



Open Source Used In Crosswork Situation Manager Software 8.0

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1.2 apr-util 1.5.4

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c,
file_io/unix/mktemp.c, strings/apr_strings.c:

```
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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c,
include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.

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From
strings/apr_sprintf.c:

```
*  
* cvt - IEEE floating point formatting routines.  
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*
```

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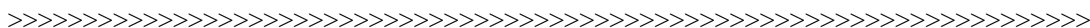
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1.7 bouncy-castle 1.54

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```
/**
 * Poly1305 message authentication code, designed by D. J. Bernstein.
 * <p>
 * Poly1305 computes a 128-bit (16 bytes) authenticator, using a 128 bit nonce and a 256 bit key
 * consisting of a 128 bit key applied to an underlying cipher, and a 128 bit key (with 106
 * effective key bits) used in the authenticator.
 * <p>
 * The polynomial calculation in this implementation is adapted from the public domain <a
 * href="https://github.com/floodyberry/poly1305-donna">poly1305-donna-unrolled</a> C implementation
 * by Andrew M (@floodyberry).
 * @see Poly1305KeyGenerator
 */
```

Found in path(s):

```
* /opt/cola/permits/198041299_1651084270.72/0/bcprov-jdk15on-1-54-sources-
jar/org/bouncycastle/crypto/mac/Poly1305.java
```

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```
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 */
```

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* /opt/cola/permits/198041299_1651084270.72/0/bcprov-jdk15on-1-54-sources-jar/org/bouncycastle/pqc/math/ntru/euclid/test/IntEuclideanTest.java

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public DomainParameters(BigInteger p, BigInteger g, BigInteger q, BigInteger j,

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* /opt/cola/permits/198041299_1651084270.72/0/bcprov-jdk15on-1-54-sources-jar/org/bouncycastle/asn1/x9/DomainParameters.java

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* /opt/cola/permits/198041299_1651084270.72/0/bcprov-jdk15on-1-54-sources-jar/org/bouncycastle/pqc/crypto/gmss/GMSSPrivateKeyParameters.java

1.8 commons-collections 4.4

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1.9 zlib 1.2.8

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017
```

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1.10 snake-yaml 1.17

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jar/org/glassfish/hk2/osgiresourcelocator/ResourceFinderImpl.java
* /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
jar/org/glassfish/hk2/osgiresourcelocator/ServiceLoaderImpl.java
* /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
jar/org/glassfish/hk2/osgiresourcelocator/Activator.java
* /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
jar/org/glassfish/hk2/osgiresourcelocator/ServiceLoader.java
* /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
jar/org/glassfish/hk2/osgiresourcelocator/ResourceFinder.java

1.12 classmate 1.3.4

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

1.13 stax-api 1.0-2

1.14 hdrhistogram 2.1.9

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```

Found in path(s):

```
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SingleWriterRecorder.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/HistogramLogProcessor.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/EncodableHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/PercentileIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleAllValuesIterator.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/IntCountsHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/HistogramLogReader.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/ConcurrentHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleHistogramIterationValue.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleRecorder.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/RecordedValuesIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AbstractHistogramLogReader.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoublePercentileIterator.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AbstractHistogramIterator.java
```

```

* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/LogarithmicIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/ZigZagEncoding.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleLinearIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/HistogramIterationValue.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/ConcurrentDoubleHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SynchronizedHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SingleWriterDoubleRecorder.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AbstractHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Recorder.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Version.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/Histogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AllValuesIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/LinearIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/ShortCountsHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AtomicHistogram.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
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 */

```

```
package org.HdrHistogram;
```

```
final class Version {
    public static final String version="$VERSION$";
    public static final String build_time="$BUILD_TIMES$";

```


}

Found in path(s):

* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Version.java.template

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1.15 json-c 0.11-4.el7_0

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1.16 giflib 4.1.6-9.el7

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1.17 libxslt 1.1.28-5.el7

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1.18 libxext 1.3.3-3.el7

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Found

in path(s):

* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/META-INF/maven/javax.websocket/javax.websocket-api/pom.xml

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```
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-  
jar/javax/websocket/PongMessage.java
```

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* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/SendHandler.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/EncodingException.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/ContainerProvider.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/OnOpen.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/WebSocketContainer.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/EndpointConfig.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/OnError.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/DecodeException.java
 *
 /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/OnClose.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/ServerEndpointConfig.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/DefaultClientEndpointConfig.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/package-info.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/PathParam.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/ServerEndpoint.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/MessageHandler.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/ClientEndpointConfig.java
 *
 /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/Decoder.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/Encoder.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/HandshakeResponse.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/RemoteEndpoint.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/OnMessage.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/package-info.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/ServerContainer.java

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* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/DeploymentException.java
*
/opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/SendResult.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/server/DefaultServerEndpointConfig.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/CloseReason.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/server/HandshakeRequest.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/Endpoint.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/ClientEndpoint.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/server/ServerApplicationConfig.java
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*/opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/Session.java

1.20 snake-yaml 1.23

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1.21 jcodings 1.0.12

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```
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/unicode/UnicodeEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/exception/JCodingsException.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/EConvFlags.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_3Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/From_UTF_16LE_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/From_UTF_32_Transcoder.java
*
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_1Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/To_UTF_32_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/exception/TranscoderException.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Eucjp_to_stateless_iso2022jp_Transcoder.java
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* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/IntHolder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/To_UTF_32LE_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/UTF16BEEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/BaseEUCJPEncoding.java
 *
 /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/UTF16LEEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/CaseInsensitiveBytesHash.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Cp50220_decoder_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/UTF32BEEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/EUCTWEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/From_UTF8_MAC_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/CodeRange.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/Transcoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/From_UTF_32BE_Transcoder.java
 *
 /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/BaseBIG5Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/To_UTF_16_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/ASCIIEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/GB18030Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/To_UTF_16LE_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/BytesHash.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Iso2022jp_decoder_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/GBKEncoding.java
 *
 /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/ObjHash.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/From_GB18030_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Cp50220_encoder_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-

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jar/org/jcodings/specific/BaseSJISEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/MultiByteEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_5Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/Big5HKSCSEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/ArrayReader.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/UTF8Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/CaseFoldCodeItem.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/To_UTF_16BE_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/EUCJPEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_13Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/exception/EncodingException.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/ISOEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/EncodingList.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Stateless_iso2022jp_to_eucjp_Transcoder.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/NonStrictEUCJPEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_9Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/exception/IllegalCharacterException.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/EConv.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Iso2022jp_kddi_encoder_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Iso2022jp_encoder_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/AsciiCompatibility.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Cp50221_encoder_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_10Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/Ptr.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_7Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/ObjPtr.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/TranscoderList.java

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* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/ISO8859_8Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/EucEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/TranscoderDB.java
 *
 /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/ascii/AsciiTables.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/NonStrictUTF8Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/AbstractEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/Big5UAOEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/ISO8859_14Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/SingleByteEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/Config.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/CP949Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/TranscodeTableSupport.java
 *
 /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/IntHash.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/From_UTF_16_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/BIG5Encoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/To_GB18030_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/SJISEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/EConvResult.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/IntArrayHash.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/constants/CharacterType.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/exception/CharacterPropertyException.java
 *
 /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/Windows_31JEncoding.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Universal_newline_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Cp50221_decoder_Transcoder.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/ApplyAllCaseFoldFunction.java
 * /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-

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jar/org/jcodings/transcode/specific/Escape_xml_attr_quote_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Iso2022jp_kddi_decoder_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/KOI8REncoding.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/BaseUTF8Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/USASCIIEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_6Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_15Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/CP1251Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/EUCKREncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/UTF32LEEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/NonStrictSJISEncoding.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/Hash.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/constants/PosixBracket.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/KOI8UEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/CaseFoldMapEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/exception/ErrorMessage.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/CanBeTrailTableEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_2Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/Buffer.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Eucjp2sjis_Transcoder.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/To_UTF_32BE_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/GenericTranscoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/KOI8Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-

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jar/org/jcodings/specific/ISO8859_16Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_11Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/ISO8859_4Encoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/util/ArrayCopy.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/From_UTF_32LE_Transcoder.java
*
/opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/exception/InternalException.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/TranscodingInstruction.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/specific/EmacsMuleEncoding.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-jar/org/jcodings/EncodingDB.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/Sjis2eucjp_Transcoder.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/transcode/specific/From_UTF_16BE_Transcoder.java
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* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/unicode/UnicodeProperties.java
* /opt/cola/permits/1000038730_1646171451.0/0/jcodings-1-0-12-sources-
jar/org/jcodings/unicode/FixedWidthUnicodeEncoding.java

1.22 compiler 0.9.3

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1.23 joni 2.1.6

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```
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/BitSet.java
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* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ScannerSupport.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/exception/ErrorMessage.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/WarnCallback.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/TokenType.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ApplyCaseFold.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Option.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ByteCodeMachine.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/OptMapInfo.java
 *
 /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/Traverse.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Syntax.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/OptExactInfo.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/CaptureTreeNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Compiler.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Regex.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/AsmCompiler.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/MatcherFactory.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/NativeMachine.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Region.java
 *
 /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/AnchorNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Analyser.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/NodeType.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ArrayCompiler.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/StackEntry.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/StringType.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/EncloseType.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/StringNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/StackMachine.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/Arguments.java
 *
 /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/AnchorType.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/exception/SyntaxException.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/exception/InternalException.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/OPCode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/AsmCompilerSupport.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/BackRefNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/OptAnchorInfo.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/NameEntry.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/CallNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Matcher.java
 *
 /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/BitStatus.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/StateNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/StackType.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/ConsAltNode.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ApplyCaseFoldArg.java
 * /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/QuantifierNode.java

```

* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/TargetInfo.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ByteCodePrinter.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Warnings.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/StackPopLevel.java
*
/opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Config.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/AsmConstants.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/SyntaxProperties.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Parser.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/exception/ValueException.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ScanEnvironment.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/MinMaxLen.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/Reduce.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/CodeRangeBuffer.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/exception/JOniException.java
*
/opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/OPSize.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/UnsetAddrList.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/NodeOptInfo.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/EncloseNode.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/CClassNode.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/CTypeNode.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/AnyCharNode.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Lexer.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/SearchAlgorithm.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/Token.java
*
/opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/MetaChar.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/constants/NodeStatus.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/OptEnvironment.java
* /opt/cola/permits/1000040816_1646171454.65/0/joni-2-1-6-sources-jar/org/joni/ast/Node.java

```

1.24 rhino 1.7R4

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```

* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/treetable/AbstractCellEditor.java
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```

```

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* @(#)TreeTableModelAdapter.java    1.2 98/10/27
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* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
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* TreeTableModel.java

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* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/treetable/TreeTableModel.java
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/**

* This interface defines a protocol for the reporting of
* errors during JavaScript translation in IDE-mode.
* If the {@link org.mozilla.javascript.Parser}'s error reporter is
* set to an instance of this interface, then this interface's
* {@link #warning} and {@link #error} methods are called instead
* of the {@link org.mozilla.javascript.ErrorReporter} versions. <p>

*

* These methods take a source char offset and a length. The
* rationale is that in interactive IDE-type environments, the source
* is available and the IDE will want to indicate where the error
* occurred and how much code participates in it. The start
and length
* are generally chosen to fit within a single line, for readability,
* but the client is free to use the AST to determine the affected
* node(s) from the start position and change the error or warning's
* display bounds.<p>

*

* @author Steve Yegge

*/

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* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/IdeErrorReporter.java
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// throws a special exception. This ensures execution of all pending

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```

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```

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```

```
/*
```

```
    * During the great date rewrite of 1.3, we tried to track the
    * evolving ECMA standard, which then had a definition of
    * getYear which always subtracted 1900. Which we
    * implemented, not realizing that it was incompatible with
    * the old behavior... now, rather than thrash the behavior
    * yet again, we've decided to leave it with the - 1900
    * behavior and point people to the getFullYear method. But
    * we try to protect existing scripts that have specified a
    * version...
```

```
*/
```

Found in path(s):

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jar/org/mozilla/javascript/ContextFactory.java
```

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```

```
*/
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```

```
/******
```

```
*/
```

```
* The author of this software is David M. Gay.
```

```
*/
```

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* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/v8dtoa/CachedPowers.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/v8dtoa/DiyFp.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/v8dtoa/DoubleHelper.java
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```

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```

* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/optimizer/OptRuntime.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/DefiningClassLoader.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSource.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/annotations/JSCConstructor.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/ModuleScript.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/ModuleScriptProvider.java

```

*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/tools/jsc/Main.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/xmlimpl/XmlProcessor.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/URLConnectionExpiryCalculator.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/optimizer/OptFunctionNode.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/optimizer/OptTransformer.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/optimizer/Optimizer.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/RequireBuilder.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/ParsedContentType.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/annotations/JStaticFunction.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/StrongCachingModuleScriptProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/optimizer/Block.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/UrlModuleSourceProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/ModuleScope.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/URLConnectionSecurityDomainProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/RhinoSecurityManager.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProviderBase.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/SecureCaller.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/tools/SourceReader.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/DefaultURLConnectionExpiryCalculator.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/annotations/JSetter.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/annotations/JFunction.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/MultiModuleScriptProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProvider.java
*

```
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/provider/SoftCachingModuleScriptProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/PolicySecurityController.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/annotations/JSGetter.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/provider/CachingModuleScriptProviderBase.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/Require.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ScriptStackElement.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/xmlimpl/XmlNode.java
No license file was found, but licenses were detected in source scan.
```

<!-- This Source Code Form is subject to the terms of the Mozilla Public

Found in path(s):

```
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/build.xml
No license file was found, but licenses were detected in source scan.
```

```
/* -*- Mode: java; tab-width: 4; indent-tabs-mode: 1; c-basic-offset: 4 -*-
*
* This Source Code Form is subject to the terms of the Mozilla Public
* License, v. 2.0. If a copy of the MPL was not distributed with this
* file, You can obtain one at http://mozilla.org/MPL/2.0/. */
```

Found in path(s):

```
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/SwitchGenerator.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeJSON.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/json/JsonParser.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/IdScriptableObject.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/Main.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/CodePrinter.java
*
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/FileBody.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeMath.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/IdValuePair.java
```

No license file was found, but licenses were detected in source scan.

```
/* -*- Mode: java; tab-width: 8; indent-tabs-mode: nil; c-basic-offset: 4 -*-  
*  
* This Source Code Form is subject to the terms of the Mozilla Public  
* License, v. 2.0. If a copy of the MPL was not distributed with this  
* file, You can obtain one at http://mozilla.org/MPL/2.0/. */
```

Found in path(s):

```
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Symbol.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/KeywordLiteral.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/serialize/ScriptableInputStream.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/XMLRef.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/EcmaError.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Block.java  
*  
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/regexp/NativeRegExpCtor.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/SecurityUtilities.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/RegExpLiteral.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeNumber.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeCall.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeBoolean.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/EmptyExpression.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/tools/shell/ShellLine.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/regexp/SubString.java  
*  
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/debug/DebugFrame.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/xmlimpl/XMLCtor.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/jdk13/VMBridge_jdk13.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/InterfaceAdapter.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ImporterTopLevel.java  
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/GeneratedClassLoader.java
```

```

* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/debug/DebuggableObject.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ContextAction.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Context.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ScriptRuntime.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/shell/SecurityProxy.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/TopLevel.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/shell/Global.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/classfile/ByteCode.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Node.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ForLoop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/shell/JavaPolicySecurity.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/NativeJavaClass.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ThrowStatement.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/xmlimpl/Namespace.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Comment.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/NativeJavaArray.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeString.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/ScopeProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/ToolErrorReporter.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ElementGet.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/xmlimpl/XMLObjectImpl.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ContinuationPending.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/Dim.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/XMLLiteral.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/SwitchStatement.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Interpreter.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-

```

```

jar/org/mozilla/javascript/ast/ForInLoop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/NewExpression.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/SourceProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/regexp/RegExpImpl.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Scriptable.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Icode.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/AstRoot.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/VariableDeclaration.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/shell/JSConsole.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/BreakStatement.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/XmlExpression.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/NodeTransformer.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeScript.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/IdFunctionObject.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/Main.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/RhinoException.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ErrorNode.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/IRFactory.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/optimizer/Codegen.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/EmptyStatement.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/Assignment.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/NativeJavaTopPackage.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/shell/ShellContextFactory.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Scope.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Callable.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/UintMap.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Token.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/MemberBox.java

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*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ArrayComprehensionLoop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/InterpreterData.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/WhileLoop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/classfile/ClassFileWriter.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/DestructuringForm.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/IdFunctionCall.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/InterpretedFunction.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/GeneratorExpression.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Name.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Synchronizer.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/DoLoop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/NativeJavaObject.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/InfixExpression.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/JavaScriptException.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ScriptNode.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/GeneratorExpressionLoop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeWith.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/xml/XMLLib.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeIterator.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ErrorCollector.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeArray.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Loop.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/NativeJavaConstructor.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ast/ObjectLiteral.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/BaseFunction.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/xmlimpl/XML.java
*

```


/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/LetNode.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/XmlMemberGet.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeContinuation.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/EvaluatorException.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/VMBridge.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/tools/shell/QuitAction.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/SecurityController.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ParenthesizedExpression.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ContextListener.java
 *
 /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Script.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Delegator.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/XmlFragment.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeFunction.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/JavaMembers.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ConditionalExpression.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/CatchClause.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/SwitchCase.java
 *
 /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeObject.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/StringLiteral.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ArrayLiteral.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Function.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/Parser.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/NumberLiteral.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ArrayComprehension.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/FunctionCall.java
 * /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/xmlimpl/XMLWithScope.java
 *

/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/tools/shell/Main.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ParseProblem.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/v8dtoa/FastDtoaBuilder.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/tools/shell/ConsoleTextArea.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/SpecialRef.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/jdk15/VMBridge_jdk15.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/CompilerEnvirons.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeJavaPackage.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/UnaryExpression.java
*
/opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/RegExpProxy.java
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1.25 velocity 1.7

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1.26 jts 1.15.0

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1.27 jasypt 1.9.2

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1.28 txw2 2.3.1

1.29 log4cxx 0.10.0

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--><html xmlns="http://www.w3.org/1999/xhtml">
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License</title>
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    @import url("../css/maven-theme.css");
    @import url("../css/site.css");
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    </a>
    <div class="clear">
  <hr/>
</div>
</div>
<div id="breadcrumbs">
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```
  <div class="xleft">
    Last Published: 2008-03-31
    |
    <a href="http://www.apache.org/" class="externalLink">Apache</a>
```

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Logging Services
>

log4cxx

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<div class="clear">

<hr/>

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<h5>Get log4cxx</h5>

<li class="none">

Download

<li class="none">

Changes

<li class="none">

License

<h5>About log4cxx</h5>


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</li>

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  </li>

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  </li>
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<div id="contentBox">

<div class="section"><h2>Overview</h2>

<p>Typically the licenses listed for the project are that of the project itself, and not of dependencies.</p>

</div>

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<div class="section"><h3>Apache License, Version 2.0</h3>

<div class="source"><pre>

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1.30 cryptacular 1.2.0

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1.34 pcre 8.41

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1.35 geronimojmspec 1.1.1

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1.40 streambuffer 1.5.7

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1.43 pac4j-core 2.0.0

1.44 om-aspects 1.2.20

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1.45 lanterna 2.1.3

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1.46 twilio 7.11.0

1.47 pac4j-saml 2.0.0

1.48 pfl-tf-tools 4.0.1

1.49 jblas 1.2.4

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1.52 jacorb-omgapi 3.9

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1.56 awsjavasdkec 1.11.511

1.57 pfl-asm 4.0.1

1.58 pfl-basic 4.0.1

1.59 jjwt 0.4

1.60 pfl-dynamic 4.0.1

1.61 xml-utils 1.2.20

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1.66 jakarta xml bind api 2.3.2

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1.69 jakarta activation api 1.2.1

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*

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jar/org/jline/reader/impl/completer/EnumCompleter.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/history/package-info.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Widget.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/EndOfFileException.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Reference.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Parser.java
*
/opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Macro.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/completer/AggregateCompleter.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/package-info.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Highlighter.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/completer/package-info.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Expander.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/keymap/KeyMap.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Binding.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/completer/StringsCompleter.java
*
/opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/UserInterruptException.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/ReaderUtils.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/UndoTree.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/completer/NullCompleter.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/DefaultExpander.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/DefaultHighlighter.java
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jar/org/jline/reader/CompletingParsedLine.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Candidate.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/DefaultParser.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/LineReaderBuilder.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/History.java
*
/opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/history/DefaultHistory.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/LineReader.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/completer/FileNameCompleter.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/completer/ArgumentCompleter.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/impl/KillRing.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/Completer.java
* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-
jar/org/jline/reader/MaskingCallback.java
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* /opt/cola/permits/1000716196_1646171482.81/0/jline-reader-3-10-0-sources-jar/org/jline/reader/impl/BufferImpl.java

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* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/OSUtils.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/MouseEvent.java
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* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/Signals.java
*
/opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/DiffHelper.java
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* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/DumbTerminal.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/Status.java

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/Curses.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/LineDisciplineTerminal.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/Colors.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/ExternalTerminal.java
*
/opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlockingInputStream.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/Display.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlocking.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/AbstractTerminal.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/Terminal.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/AttributedStringBuilder.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/Size.java
*
/opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/StyleResolver.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlockingReaderImpl.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlockingInputStreamImpl.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/AttributedStyle.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/PosixSysTerminal.java
* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlockingReader.java

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* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/AnsiWriter.java

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* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/WriterOutputStream.java

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/PumpReader.java

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlockingPumpReader.java

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/NonBlockingPumpInputStream.java

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* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/META-INF/maven/org.jline/jline-terminal/pom.xml

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#

black
maroon
green
olive
navy
purple
teal
silver
grey
red
lime
yellow
blue
fuchsia
aqua
white
grey0
navyblue
darkblue
blue3
blue3a
blue1
darkgreen
deepskyblue4
deepskyblue4a
deepskyblue4b
dodgerblue3
dodgerblue2
green4
springgreen4
turquoise4
deepskyblue3
deepskyblue3a
dodgerblue1
green3
springgreen3
darkcyan
lightseagreen
deepskyblue2
deepskyblue1
green3a
springgreen3a
springgreen2
cyan3
darkturquoise
turquoise2

green1
springgreen2a
springgreen1
mediumspringgreen
cyan2
cyan1
darkred
deeppink4
purple4
purple4a
purple3
blueviolet
orange4
grey37
mediumpurple4
slateblue3
slateblue3a
royalblue1
chartreuse4
darkseagreen4
paleturquoise4
steelblue
steelblue3
cornflowerblue
chartreuse3
darkseagreen4a
cadetblue
cadetbluea
skyblue3
steelblue1
chartreuse3a
palegreen3
seagreen3
aquamarine3
mediumturquoise
steelblue1a
chartreuse2
seagreen2
seagreen1
seagreen1a
aquamarine1
darkslategray2
darkreda
deeppink4a
darkmagenta
darkmagentaa
darkviolet
purplea

orange4a
lightpink4
plum4
mediumpurple3
mediumpurple3a
slateblue1
yellow4
wheat4
grey53
lightslategrey
mediumpurple
lightslateblue
yellow4a
darkolivegreen3
darkseagreen
lightskyblue3
lightskyblue3a
skyblue2
chartreuse2a
darkolivegreen3a
palegreen3a
darkseagreen3
darkslategray3
skyblue1
chartreuse1
lightgreen
lightgreena
palegreen1
aquamarine1a
darkslategray1
red3
deeppink4b
mediumvioletred
magenta3
darkvioleta
purpleb
darkorange3
indianred
hotpink3
mediumorchid3
mediumorchid
mediumpurple2
darkgoldenrod
lightsalmon3
rosybrown
grey63
mediumpurple2a
mediumpurple1

gold3
darkkhaki
navajowhite3
grey69
lightsteelblue3
lightsteelblue
yellow3
darkolivegreen3b
darkseagreen3a
darkseagreen2
lightcyan3
lightskyblue1
greenyellow
darkolivegreen2
palegreen1a
darkseagreen2a
darkseagreen1
paleturquoise1
red3a
deeppink3
deeppink3a
magenta3a
magenta3b
magenta2
darkorange3a
indianreda
hotpink3a
hotpink2
orchid
mediumorchid1
orange3
lightsalmon3a
lightpink3
pink3
plum3
violet
gold3a
lightgoldenrod3
tan
mistyrose3
thistle3
plum2
yellow3a
khaki3
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lightsteelblue1

yellow2
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darkolivegreen1a
darkseagreen1a
honeydew2
lightcyan1
red1
deeppink2
deeppink1
deeppink1a
magenta2a
magenta1
orangered1
indianred1
indianred1a
hotpink
hotpinka
mediumorchid1a
darkorange
salmon1
lightcoral
palevioletred1
orchid2
orchid1
orange1
sandybrown
lightsalmon1
lightpink1
pink1
plum1
gold1
lightgoldenrod2a
lightgoldenrod2b
navajowhite1
mistyrose1
thistle1
yellow1
lightgoldenrod1
khaki1
wheat1
cornsilk1
grey100
grey3
grey7
grey11
grey15
grey19
grey23

grey27
grey30
grey35
grey39
grey42
grey46
grey50
grey54
grey58
grey62
grey66
grey70
grey74
grey78
grey82
grey85
grey89
grey93

Found

in path(s):

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/colors.txt

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#

auto_left_margin, bw, bw

auto_right_margin, am, am

back_color_erase, bce, ut

can_change, ccc, cc

ceol_standout_glitch, xhp, xs

col_addr_glitch, xhpa, YA

cpi_changes_res, cpix, YF

cr_cancels_micro_mode, crxm, YB

dest_tabs_magic_sms0, xt, xt

eat_newline_glitch, xenl, xn

erase_overstrike, eo, eo

generic_type, gn, gn

hard_copy, hc, hc

hard_cursor, chts, HC

has_meta_key, km, km

has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
memory_above, da, da
memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
needs_xon_xoff, nxon, nx
no_esc_ctlc, xsb, xb
no_pad_char, npc,
NP
non_dest_scroll_region, ndscr, ND
non_rev_rmcup, nrrmc, NR
over_strike, os, os
prtr_silent, mc5i, 5i
row_addr_glitch, xvpa, YD
semi_auto_right_margin, sam, YE
status_line_esc_ok, eslok, es
tilde_glitch, hz, hz
transparent_underline, ul, ul
xon_xoff, xon, xo
columns, cols, co
init_tabs, it, it
label_height, lh, lh
label_width, lw, lw
lines, lines, li
lines_of_memory, lm, lm
magic_cookie_glitch, xmc, sg
max_attributes, ma, ma
max_colors, colors, Co
max_pairs, pairs, pa
maximum_windows, wnum, MW
no_color_video, ncv, NC
num_labels, nlab, Nl
padding_baud_rate, pb, pb
virtual_terminal, vt, vt
width_status_line, wsl, ws
bit_image_entwining, bitwin, Yo
bit_image_type, bitype, Yp
buffer_capacity, bufisz, Ya
buttons, btns, BT
dot_horz_spacing, spinh, Yc
dot_vert_spacing, spinv, Yb
max_micro_address, maddr, Yd
max_micro_jump, mjump, Ye
micro_col_size, mcs, Yf

micro_line_size, mls, Yg
number_of_pins, npins, Yh
output_res_char, orc, Yi
output_res_horz_inch, orhi, Yk
output_res_line, orl, Yj
output_res_vert_inch,
orvi, Yl
print_rate, cps, Ym
wide_char_size, widcs, Yn
acs_chars, acsc, ac
back_tab, cbt, bt
bell, bel, bl
carriage_return, cr, cr
change_char_pitch, cpi, ZA
change_line_pitch, lpi, ZB
change_res_horz, chr, ZC
change_res_vert, cvr, ZD
change_scroll_region, csr, cs
char_padding, rmp, rP
clear_all_tabs, tbc, ct
clear_margins, mgc, MC
clear_screen, clear, cl
clr_bol, e1l, cb
clr_eol, el, ce
clr_eos, ed, cd
column_address, hpa, ch
command_character, cmdch, CC
create_window, cwin, CW
cursor_address, cup, cm
cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cuf1, nd
cursor_to_ll, ll, ll
cursor_up, cuu1, up
cursor_visible, cvvis, vs
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
dial_phone, dial, DI
dis_status_line, dsl, ds
display_clock, dclk, DK
down_half_line, hd, hd
ena_acs, enacs, eA
enter_alt_charset_mode, smacs, as

enter_am_mode, smam,
SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrmq, ZL
enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
enter_xon_mode, smxon, SX
erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
exit_ca_mode, rmcup, te
exit_delete_mode, rmdc, ed
exit_doublewide_mode, rwidm, ZQ
exit_insert_mode, rmir, ei
exit_italics_mode, ritm, ZR
exit_leftward_mode, rlm, ZS
exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm,
ZU
exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
fixed_pause, pause, PA
flash_hook, hook, fh
flash_screen, flash, vb
form_feed, ff, ff

from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
init_1string, is1, i1
init_2string, is2, is
init_3string, is3, i3
init_file, if, if
init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
key_a1, ka1, K1
key_a3, ka3, K3
key_b2, kb2, K2
key_backspace, kbs, kb
key_beg, kbeg, @1
key_btab, kcbt, kB
key_c1, kc1, K4
key_c3, kc3, K5
key_cancel, kcan, @2
key_catab, ktbc, ka
key_clear, kclr, kC
key_close, kclo, @3
key_command, kcmd, @4
key_copy, kcpy, @5
key_create, kcrt, @6
key_ctab, kctab, kt
key_dc, kdch1, kD
key_dl, kdl1, kL
key_down, kcud1, kd
key_eic, krmir, kM
key_end, kend, @7
key_enter, kent, @8
key_eol, kel, kE
key_eos,
ked, kS
key_exit, kext, @9
key_f0, kf0, k0
key_f1, kf1, k1
key_f10, kf10, k;
key_f11, kf11, F1
key_f12, kf12, F2
key_f13, kf13, F3
key_f14, kf14, F4
key_f15, kf15, F5
key_f16, kf16, F6

key_f17, kf17, F7
key_f18, kf18, F8
key_f19, kf19, F9
key_f2, kf2, k2
key_f20, kf20, FA
key_f21, kf21, FB
key_f22, kf22, FC
key_f23, kf23, FD
key_f24, kf24, FE
key_f25, kf25, FF
key_f26, kf26, FG
key_f27, kf27, FH
key_f28, kf28, FI
key_f29, kf29, FJ
key_f3, kf3, k3
key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
key_f33, kf33, FN
key_f34, kf34, FO
key_f35, kf35, FP
key_f36, kf36, FQ
key_f37, kf37, FR
key_f38, kf38, FS
key_f39, kf39, FT
key_f4, kf4, k4
key_f40, kf40, FU
key_f41, kf41, FV
key_f42, kf42, FW
key_f43, kf43, FX
key_f44, kf44, FY
key_f45, kf45, FZ
key_f46, kf46, Fa
key_f47, kf47, Fb
key_f48, kf48, Fc
key_f49, kf49, Fd
key_f5, kf5, k5
key_f50, kf50, Fe
key_f51, kf51, Ff
key_f52, kf52, Fg
key_f53, kf53, Fh
key_f54, kf54, Fi
key_f55, kf55, Fj
key_f56, kf56, Fk
key_f57, kf57, Fl
key_f58, kf58,
Fm
key_f59, kf59, Fn

key_f6, kf6, k6
key_f60, kf60, Fo
key_f61, kf61, Fp
key_f62, kf62, Fq
key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kil1, kA
key_left, kcub1, kI
key_ll, kll, kH
key_mark, kmrk, %2
key_message, kmsg, %3
key_move, kmov, %4
key_next, knxt, %5
key_npage, knp, kN
key_open, kopn, %6
key_options, kopt, %7
key_ppage, kpp, kP
key_previous, kprv, %8
key_print, kpri, %9
key_redo, krdo, %0
key_reference, kref, &1
key_refresh, krfr, &2
key_replace, krpl, &3
key_restart, krst, &4
key_resume, kres, &5
key_right, kcuf1, kr
key_save, ksav, &6
key_sbeg, kBEG, &9
key_scancel, kCAN, &0
key_scommand, kCMD, *1
key_scopy, kCPY, *2
key_screate, kCRT, *3
key_sdc, kDC, *4
key_sdl, kDL, *5
key_select, kslt, *6
key_send, kEND, *7
key_seol, kEOL, *8
key_sexit, kEXT, *9
key_sf, kind, kF
key_sfind, kFND, *0
key_shelp, kHLP, #1
key_shome, kHOM, #2

key_sic, kIC, #3
key_sleft, kLFT, #4
key_smessage,
kMSG, %a
key_smove, kMOV, %b
key_snext, kNXT, %c
key_soptions, kOPT, %d
key_sprevious, kPRV, %e
key_sprint, kPRT, %f
key_sr, kri, kR
key_sredo, kRDO, %g
key_sreplace, kRPL, %h
key_sright, kRIT, %i
key_srsume, kRES, %j
key_ssave, kSAV, !1
key_ssuspend, kSPD, !2
key_stab, khts, kT
key_sundo, kUND, !3
key_suspend, kspd, &7
key_undo, kund, &8
key_up, kcuu1, ku
keypad_local, rmkx, ke
keypad_xmit, smkx, ks
lab_f0, lf0, l0
lab_f1, lf1, l1
lab_f10, lf10, la
lab_f2, lf2, l2
lab_f3, lf3, l3
lab_f4, lf4, l4
lab_f5, lf5, l5
lab_f6, lf6, l6
lab_f7, lf7, l7
lab_f8, lf8, l8
lab_f9, lf9, l9
label_format, fln, Lf
label_off, rmln, LF
label_on, smln, LO
meta_off, rmm, mo
meta_on, smm, mm
micro_column_address, mhpa, ZY
micro_down, mcud1, ZZ
micro_left, mcub1, Za
micro_right, mcuf1, Zb
micro_row_address, mvpa, Zc
micro_up, mcuu1, Zd
newline, nel, nw
order_of_pins, porder, Ze
orig_colors, oc, oc

orig_pair, op, op
pad_char, pad, pc
parm_dch, dch, DC
parm_delete_line, dl, DL
parm_down_cursor, cud, DO
parm_down_micro,
 mcud, Zf
parm_ich, ich, IC
parm_index, indn, SF
parm_insert_line, il, AL
parm_left_cursor, cub, LE
parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR
parm_up_cursor, cuu, UP
parm_up_micro, mcuu, Zi
pkey_key, pfkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfx, px
plab_norm, pln, pn
print_screen, mc0, ps
prtr_non, mc5p, pO
prtr_off, mc4, pf
prtr_on, mc5, po
pulse, pulse, PU
quick_dial, qdial, QD
remove_clock, rmclk, RC
repeat_char, rep, rp
req_for_input, rfi, RF
reset_1string, rs1, r1
reset_2string, rs2, r2
reset_3string, rs3, r3
reset_file, rf, rf
restore_cursor, rc, rc
row_address, vpa, cv
save_cursor, sc, sc
scroll_forward, ind, sf
scroll_reverse, ri, sr
select_char_set, scs, Zj
set_attributes, sgr, sa
set_background, setb, Sb
set_bottom_margin, smgb, Zk
set_bottom_margin_parm, smgbp, Zl
set_clock, sclk, SC
set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML

set_left_margin_parm, smglp, Zm
set_right_margin,
smgr, MR
set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
start_char_set_def, scsd, Zr
stop_bit_image, rbim, Zs
stop_char_set_def, rcsd, Zt
subscript_characters, subcs, Zu
superscript_characters, supcs, Zv
tab, ht, ta
these_cause_cr, dochr, Zw
to_status_line, tsl, ts
tone, tone, TO
underline_char, uc, uc
up_half_line, hu, hu
user0, u0, u0
user1, u1, u1
user2, u2, u2
user3, u3, u3
user4, u4, u4
user5, u5, u5
user6, u6, u6
user7, u7, u7
user8, u8, u8
user9, u9, u9
wait_tone, wait, WA
xoff_character, xoffc, XF
xon_character, xonc, XN
zero_motion, zerom, Zx
alt_scancode_esc, scesa, S8
bit_image_carriage_return, bicr, Yv
bit_image_newline, binel, Zz
bit_image_repeat, birep, Xy
char_set_names, csnm, Zy
code_set_init, csin, ci
color_names, colorm, Yw
define_bit_image_region, defbi, Yx
device_type, devt, dv
display_pc_char, dispc, S1
end_bit_image_region, endbi, Yy
enter_pc_charset_mode,
smpch, S2
enter_scancode_mode, smsc, S4

exit_pc_charset_mode, rmpch, S3
exit_scancode_mode, rmisc, S5
get_mouse, getm, Gm
key_mouse, kmous, Km
mouse_info, minfo, Mi
pc_term_options, pctrm, S6
pkey_plab, pfxl, xl
req_mouse_pos, reqmp, RQ
scancode_escape, scesc, S7
set0_des_seq, s0ds, s0
set1_des_seq, s1ds, s1
set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhl, Xh
enter_left_hl_mode, elhl, Xl
enter_low_hl_mode, elohl, Xo
enter_right_hl_mode, erhl, Xr
enter_top_hl_mode, ethl, Xt
enter_vertical_hl_mode, evhl, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

Found in path(s):

* /opt/cola/permits/1000716586_1646171482.91/0/jline-terminal-3-10-0-sources-jar/org/jline/Utils/capabilities.txt

1.72 jline-terminal-jna 3.10.0

1.72.1 Available under license :

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* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-

jar/org/jline/terminal/impl/jna/win/Kernel32.java

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* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/osx/CLibrary.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/JnaNativePty.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java

*

/opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/linux/CLibrary.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/linux/LinuxNativePty.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/win/WindowsAnsiWriter.java

* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/solaris/CLibrary.java

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* /opt/cola/permits/1000716568_1646171483.34/0/jline-terminal-jna-3-10-0-sources-jar/org/jline/terminal/impl/jna/win/JnaWinSysTerminal.java

1.73 jline-style 3.10.0

1.73.1 Available under license :

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* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyleExpression.java

* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyleFactory.java

* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyleSource.java

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Found in path(s):

```
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyledWriter.java
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyleBundle.java
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-
jar/org/jline/style/MemoryStyleSource.java
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-
jar/org/jline/style/StyleBundleInvocationHandler.java
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-
jar/org/jline/style/InterpolationHelper.java
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-
jar/org/jline/style/NopStyleSource.java
*
```

```
/opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyleColor.java
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/org/jline/style/StyleResolver.java
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```
* /opt/cola/permits/1000716407_1646171485.58/0/jline-style-3-10-0-sources-jar/META-INF/maven/org.jline/jline-
style/pom.xml
```

1.74 jboss-logging 3.3.2

1.74.1 Available under license :

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1.75 httpcomponents-core 4.4.4

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1.76 javax-inject 1

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1.77 jackson-dataformat-yaml 2.8.11

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1.78 commons-logging 1.2

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* /opt/cola/permits/1000738121_1607117695.13/0/reactive-streams-1-0-2-sources-3-jar/org/reactivestreams/Subscriber.java
* /opt/cola/permits/1000738121_1607117695.13/0/reactive-streams-1-0-2-sources-3-jar/org/reactivestreams/Processor.java
*
/opt/cola/permits/1000738121_1607117695.13/0/reactive-streams-1-0-2-sources-3-jar/org/reactivestreams/Subscription.java
* /opt/cola/permits/1000738121_1607117695.13/0/reactive-streams-1-0-2-sources-3-jar/org/reactivestreams/Publisher.java

1.80 httpclient-cache 4.5.2

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1.81 jackson-dataformat-cbor 2.8.11

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* /opt/cola/permits/1000738076_1646205635.63/0/jackson-dataformats-binary-jackson-dataformats-binary-2-8-11-tar-gz/jackson-dataformats-binary-jackson-dataformats-binary-2.8.11/protobuf/README.md

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com.fasterxml.jackson.dataformat.protobuf.ProtobufFactory

Found in path(s):

* /opt/cola/permits/1000738076_1646205635.63/0/jackson-dataformats-binary-jackson-dataformats-binary-2-8-11-tar-gz/jackson-dataformats-binary-jackson-dataformats-binary-2.8.11/protobuf/src/main/resources/META-INF/services/com.fasterxml.jackson.core.JsonFactory

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com.fasterxml.jackson.dataformat.smile.SmileFactory

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* /opt/cola/permits/1000738076_1646205635.63/0/jackson-dataformats-binary-jackson-dataformats-binary-2-8-11-tar-gz/jackson-dataformats-binary-jackson-dataformats-binary-2.8.11/src/main/resources/META-

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Overview

This is a multi-module umbrella project for [Jackson](../../jackson) standard binary dataformat backends.

Currently included are:

* [Avro](avro/)

* [CBOR](cbor/)

* [Protobuf](protobuf/)

* [Smile](smile/)

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More

See [Wiki](../../wiki) for more information (javadocs).

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1.82 jctools-core 2.1.1

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1.83 gson 2.8.5

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Found in path(s):

```
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/ConstructorConstructor.java  
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/bind/TreeTypeAdapter.java  
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/bind/DateTypeAdapter.java  
*  
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/bind/TimeTypeAdapter.java  
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/LazilyParsedNumber.java  
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
```

jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/UnsafeAllocator.java
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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/GsonBuildConfig.java
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jar/com/google/gson/internal/\$Gson\$Types.java
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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/JsonScope.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/MalformedJsonException.java
*
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/JsonReader.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/JsonWriter.java
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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/Since.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonSerializationContext.java
*

/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonElement.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonParseException.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonObject.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/SerializedName.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonPrimitive.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonNull.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/ObjectConstructor.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonArray.java
*
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonDeserializer.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/FieldNamingPolicy.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/reflect/TypeToken.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/Primitives.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/\$Gson\$Preconditions.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonSerializer.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/InstanceCreator.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonIOException.java
*
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/DefaultDateTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/Gson.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/Until.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/Excluder.java
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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/TypeAdapters.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/TypeAdapter.java
*
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/JsonTreeWriter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/JsonTreeReader.java
*
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-

jar/com/google/gson/internal/LinkedTreeMap.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/LinkedHashMap.java
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jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/Streams.java
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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonParser.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/FieldAttributes.java
*

/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/LongSerializationPolicy.java

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jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-

jar/com/google/gson/annotations/JsonAdapter.java

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* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-

jar/com/google/gson/internal/reflect/UnsafeReflectionAccessor.java

* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-

jar/com/google/gson/internal/reflect/PreJava9ReflectionAccessor.java


```
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/JavaVersion.java  
*  
/opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/reflect/ReflectionAccessor.java  
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-  
jar/com/google/gson/internal/PreJava9DateFormatProvider.java
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1.84 commons-codec 1.10

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1.87 hk2-utils 2.5.0

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- * /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-jar/org/jvnet/tiger_types/TypeVisitor.java
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1.89 asm 5.1

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- */
- /**
- * Creates a new { @link AnalyzerAdapter}. *Subclasses must not use this constructor*. Instead, they must use the

```

* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
*
* @param owner
*
*     the owner's class name.
* @param access
*     the method's access flags (see {@link Opcodes}).
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see {@link Type Type}).
* @param mv
*     the method visitor to which this adapter delegates calls. May
*     be <tt>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

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* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
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*/

/**

* Constructs a new {[@link ClassNode](#)}. *<i>*Subclasses must not use this
* constructor*</i>*. Instead, they must use the {[@link #ClassNode\(int\)](#)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):

* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/ClassNode.java

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```

*/
/**
 * Creates a new { @link GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param mv
 *     the
method visitor to which this adapter delegates calls.
 * @param access
 *     the method's access flags (see { @link Opcodes}).
 * @param name
 *     the method's name.
 * @param desc
 *     the method's descriptor (see { @link Type Type}).
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/cola/permits/1000738706_1646171494.0/asm-5-1-sources-
jar/org/objectweb/asm/commons/GeneratorAdapter.java

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*/

/**

* Constructs a new {@link Textifier}. *Subclasses must not use this
* constructor*. Instead, they must use the {@link #Textifier(int)}
* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /opt/cola/permits/1000738706_1646171494.0/asm-5-1-sources-jar/org/objectweb/asm/util/Textifier.java

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*/

/**

* Constructs a new {@link LocalVariableAnnotationNode}. *<i>*Subclasses must

* not use this constructor*</i>*. Instead, they must use the

* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}

* version.

*

* @param typeRef

* a reference to the annotated type. See {@link TypeReference}.

* @param typePath

* the path to the annotated type argument, wildcard bound, array

* element type, or static inner type within 'typeRef'. May be

* `<tt>null</tt>` if the annotation targets 'typeRef' as a whole.

* @param start

```
*      the first instructions corresponding to the continuous ranges
*      that make the scope of this local variable (inclusive).
* @param end
*      the last instructions corresponding to the continuous ranges
*      that make the scope of this local variable (exclusive). This
*      array must have the same size as the 'start' array.
* @param index
*      the local variable's index in each range. This array must have
*      the same size as the 'start' array.
* @param desc
*      the class descriptor of
the annotation class.
*/
```

Found in path(s):

```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
```

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```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-
writer.properties
```

```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink.properties
```

```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-
signatures.properties
```

```
*
```

```
/opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-
frames.properties
```

```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-
annotations.properties
```

```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-
resize.properties
```

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```
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```

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- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/IncInsnNode.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
- *
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Item.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/InsnNode.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Attribute.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-

jar/org/objectweb/asm/commons/FieldRemapper.java
*
/opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Handle.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Type.java
*
/opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/ClassRemapper.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/MethodNode.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/Printer.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
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/opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java

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 /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/LabelNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/Method.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/CheckFieldAdapter.java
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 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
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 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/ClassVisitor.java
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 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/AnnotationWriter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/NameMapping.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/Interpreter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/SimpleRemapper.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/TraceFieldVisitor.java
 *
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 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/AdviceAdapter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/SignatureRemapper.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/signature/SignatureReader.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/Constant.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/ParameterNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/LineNumberNode.java
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/opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/FieldWriter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/CheckMethodAdapter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/ConstantPool.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Opcodes.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/InnerClassNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/AnnotationVisitor.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
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 /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/InsnList.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/LocalVariableNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/Value.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Frame.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/MethodVisitor.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Edge.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java
 *
 /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/InstructionAdapter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/MethodRemapper.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/JarOptimizer.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
 * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
 *
 /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java

```
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/tree/AbstractInsnNode.java
*
/opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-
jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Context.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/Handler.java
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```
/**
```

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/**

* Creates a new JSRInliner. *<i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}*
* version.
*
* @param mv
*
the `MethodVisitor` to send the resulting inlined
* method code to (use `null` for none).
* @param access
* the method's access flags (see { @link Opcodes}). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
* the method's descriptor (see { @link Type}).
* @param signature
* the method's signature. May be `null`.
* @param exceptions
* the internal names of the method's exception classes (see
* { @link Type#getInternalName() getInternalName}). May be
* `null`.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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* /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/Textifiable.java
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jar/org/objectweb/asm/xml/SAXFieldAdapter.java

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jar/org/objectweb/asm/xml/SAXClassAdapter.java

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jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

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jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/commons/package.html
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/analysis/package.html
- *
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/tree/package.html
- * /opt/cola/permits/1000738706_1646171494.0/0/asm-5-1-sources-jar/org/objectweb/asm/util/package.html

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.173.1898&rep=rep1&type=pdf>

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The initial commit of the class "org.apache.commons.math3.special.BesselJ" is an adapted version of code translated from the netlib Fortran program, rjbesl <http://www.netlib.org/specfun/rjbesl> by R.J. Cody at Argonne National Laboratory (USA). There is no license or copyright statement included with the original Fortran sources.

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1.91 hk2-locator 2.5.0

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jar/org/opensaml/soap/wstrust/RequestSecurityTokenCollection.java
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* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wstrust/KeyWrapAlgorithm.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wssecurity/SignatureConfirmation.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wssecurity/EncryptedHeader.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wspolicy/WSPolicyObjectBuilder.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wssecurity/EncodedString.java
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/opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wssecurity/IdBearing.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wstrust/Reason.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wsfed/EndPointReference.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wstrust/Entropy.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wstrust/KeySize.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wssecurity/SecurityTokenReference.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/wspolicy/All.java
* /opt/cola/permits/1000740278_1646171514.99/0/opensaml-soap-api-3-3-0-sources-jar/org/opensaml/soap/messaging/AbstractHeaderGeneratingMessageHandler.java
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1.94 slf4j 1.7.25

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 * /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-jar/org/slf4j/LoggerFactory.java
 * /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-
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 * /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-
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 *
 /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java
 * /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-jar/org/slf4j/impl/StaticMDCBinder.java
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 * /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-jar/org/slf4j/helpers/Util.java
 * /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-
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* /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-jar/org/slf4j/spi/MDCAdapter.java
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* /opt/cola/permits/1000740126_1646171518.5/0/slf4j-api-1-7-25-sources-jar/org/slf4j/ILoggerFactory.java

```

1.95 opensaml-messaging-api 3.3.0

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/opt/cola/permits/1000740286_1646171488.95/opensaml-messaging-api-3-3-0-sources-jar/org/opensaml/messaging/context/navigate/RecursiveTypedParentContextLookup.java

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* /opt/cola/permits/1000740286_1646171488.95/opensaml-messaging-api-3-3-0-sources-jar/org/opensaml/messaging/pipeline/httpclient/package-info.java

* /opt/cola/permits/1000740286_1646171488.95/opensaml-messaging-api-3-3-0-sources-jar/org/opensaml/messaging/encoder/servlet/BaseHttpServletResponseXMLMessageEncoder.java

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* /opt/cola/permits/1000740286_1646171488.95/0/opensaml-messaging-api-3-3-0-sources-jar/org/opensaml/messaging/decoder/AbstractMessageDecoder.java
* /opt/cola/permits/1000740286_1646171488.95/0/opensaml-messaging-api-3-3-0-sources-jar/org/opensaml/messaging/context/navigate/RootContextLookup.java
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* /opt/cola/permits/1000740286_1646171488.95/0/opensaml-messaging-api-3-3-0-sources-jar/org/opensaml/messaging/context/navigate/MessageLookup.java
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*/
/**
* A subcontext which carries information about whether the message channel in use is
* considered
* to have the active properties of confidentiality and integrity.
*
* <p>
* This data is typically used to determine whether additional application- or protocol-specific signing
* and/or encryption operations are necessary.
* </p>
*/
/** Message channel confidentiality flag. */
/**
* Get whether message channel confidentiality is active.
*
* @return Returns the confidentialityActive.
*/
/**
* Set whether message channel confidentiality is active.
*
* @param flag The confidentialityActive to set.
*/

```

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* /opt/cola/permits/1000740286_1646171488.95/0/opensaml-messaging-api-3-3-0-sources-
jar/org/opensaml/messaging/context/MessageChannelSecurityContext.java

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1.96 opensaml-security-impl 3.3.0

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- *
- /opt/cola/permits/1000740227_1646171526.13/0/opensaml-security-impl-3-3-0-sources-jar/org/opensaml/security/trust/impl/ChainingTrustEngine.java
- * /opt/cola/permits/1000740227_1646171526.13/0/opensaml-security-impl-3-3-0-sources-jar/org/opensaml/security/messaging/impl/BaseClientCertAuthSecurityHandler.java
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- * /opt/cola/permits/1000740227_1646171526.13/0/opensaml-security-impl-3-3-0-sources-jar/org/opensaml/security/credential/criteria/impl/EvaluableX509DigestCredentialCriterion.java
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- /opt/cola/permits/1000740227_1646171526.13/0/opensaml-security-impl-3-3-0-sources-jar/org/opensaml/security/x509/impl/BasicX509CredentialNameEvaluator.java
- * /opt/cola/permits/1000740227_1646171526.13/0/opensaml-security-impl-3-3-0-sources-jar/org/opensaml/security/credential/criteria/impl/EvaluableX509SubjectKeyIdentifierCredentialCriterion.java
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1.97 opensaml-xmlsec-api 3.3.0

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Schema for XML Signatures

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*

/opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/algorithm/AlgorithmRegistry.java

* /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/algorithm/descriptors/DigestSHA512.java

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/opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/X509IssuerName.java

* /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/keyinfo/KeyInfoGenerator.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/signature/package-info.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/ReferenceList.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/support/ChainingEncryptedKeyResolver.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/WhitelistBlacklistConfiguration.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/signature/support/SignatureException.java
 *
 /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/signature/Modulus.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/algorithm/descriptors/HMACMD5.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/EncryptionConfiguration.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/algorithm/descriptors/BlockEncryptionDESede.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/KANonce.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/PgenCounter.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/package-info.java
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 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/signature/MgmtData.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/signature/Exponent.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/algorithm/descriptors/SignatureRSASHA224.java
 * /opt/cola/permits/1000740405_1646171489.23/0/opensaml-xmlsec-api-3-3-0-sources-jar/org/opensaml/xmlsec/algorithm/descriptors/HMACSHA1.java
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1.98 opensaml-profile-api 3.3.0

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*/

/**

* A predicate implementation that indicates whether the message channel does
* **NOT**
* support confidentiality end-to-end.
*
*

Typically but not exclusively used as a predicate for whether to encrypt something.

*/

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* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/NoConfidentialityMessageChannelPredicate.java

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*

/opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/MessageContextPredicateAdapter.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/context/navigate/CurrentOrPreviousEventLookup.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/action/AbstractConditionalProfileAction.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/context/navigate/package-info.java

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/opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/NoIntegrityMessageChannelPredicate.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/IPRangePredicate.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/action/package-info.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/action/AbstractProfileAction.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/ProfileIdPredicate.java

* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/context/PreviousEventContext.java

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*

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* /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/action/EventException.java

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- * /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/context/navigate/OutboundMessageContextLookup.java
- * /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/BrowserProfilePredicate.java
- * /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/logic/PredicateAccessControl.java
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- * /opt/cola/permits/1000740435_1646171490.52/0/opensaml-profile-api-3-3-0-sources-jar/org/opensaml/profile/context/MetricContext.java
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1.99 opensaml-saml-api 3.3.0

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SAML v2.0 Metadata Profile for Algorithm Support Version 1.0

Committee Specification 01

21 February 2011

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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/EntropyImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/RequestKETImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/SaltBuilder.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/PolicyReferenceMarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/ValidateTargetImpl.java
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
 jar/org/opensaml/soap/wstrust/impl/RequestTypeBuilder.java
 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/ExactlyOneUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/IssuerImpl.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/TimestampUnmarshaller.java
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 /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/PolicyReferenceImpl.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/soap11/impl/FaultBuilder.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/AddressBuilder.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/RequestedTokenCancelledUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/AppliesToBuilder.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/CanonicalizationAlgorithmMarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/KeySizeMarshaller.java
 *
 /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/PolicyAttachmentMarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/BinarySecretImpl.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/AllImpl.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/AllMarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/soap11/impl/FaultUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsfed/impl/EndPointReferenceBuilder.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/ExactlyOneMarshaller.java
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 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/soap11/impl/HeaderUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/KeyWrapAlgorithmUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/EntropyUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-

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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/RequestTypeMarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/MetadataUnmarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/BinarySecurityTokenMarshaller.java
 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/BinarySecretUnmarshaller.java
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/OperatorContentTypeMarshaller.java
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 * /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/EncryptWithImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/AddressMarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/DelegatableMarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/CodeBuilder.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/EncryptedHeaderBuilder.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/ProblemActionBuilder.java
*
/opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/ProblemActionImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/AddressImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/RenewTargetImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/EndpointReferenceImpl.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/AbstractWSSecurityObjectMarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/AbstractWSAddressingObject.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-

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jar/org/opensaml/soap/wsaddressing/impl/RetryAfterImpl.java
*
/opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
jar/org/opensaml/soap/soap11/impl/FaultCodeBuilder.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
jar/org/opensaml/soap/wsaddressing/impl/MessageIDUnmarshaller.java
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/opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/ValidateTargetUnmarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/RequestSecurityTokenCollectionMarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/AttributedUnsignedLongMarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/BinaryExchangeMarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/ExpiresUnmarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsaddressing/impl/AddressUnmarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/ComputedKeyUnmarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/PolicyReferenceBuilder.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/soap11/impl/FaultStringBuilder.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/SaltUnmarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/UseKeyBuilder.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/SignChallengeTypeUnmarshaller.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/package-info.java
* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wstrust/impl/IssuedTokensMarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/AttributedStringMarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-

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jar/org/opensaml/soap/wsfed/impl/AddressUnmarshaller.java
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-
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* /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wsfed/impl/AppliesToMarshaller.java

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* /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/BinarySecurityTokenUnmarshaller.java

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* /opt/cola/permits/1000740379_1646171491.53/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/soap11/impl/FaultCodeImpl.java

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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wssecurity/impl/NonceMarshaller.java

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* /opt/cola/permits/1000740379_1646171491.53/0/opensaml-soap-impl-3-3-0-sources-jar/org/opensaml/soap/wspolicy/impl/AppliesToImpl.java

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jar/org/opensaml/soap/wsaddressing/impl/EndpointReferenceMarshaller.java

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1.101 java-support 7.3.0

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- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/logic/AnyMatchPredicate.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/collection/ValueTypeIndexedMap.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/logic/ConstraintViolationException.java
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- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/collection/ClassToInstanceMultiMap.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/AccessControl.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/xml/BasicParserPool.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/Duration.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/resolver/ResolverSupport.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/collection/LazyList.java
- *
- /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/logic/TransformAndCheckFunction.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/xml/XMLParserException.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/service/ServiceableComponent.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/BasicKeystoreKeyStrategyTool.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/httpclient/InMemoryCachingHttpClientBuilder.java
- * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/velocity/SLF4JLogChute.java

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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/component/DestroyedComponentException.java
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jar/net/shibboleth/utilities/java/support/httpclient/IdleConnectionSweeper.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/collection/LockableClassToInstanceMultiMap.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/xml/NamespaceSupport.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/net/IPRange.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/resolver/CriterionPredicateRegistry.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/logic/PredicateSupport.java
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/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/service/ReloadableService.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/security/DataSealer.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/net/CookieManager.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/primitive/LangBearingString.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/annotation/constraint/NonnullAfterInit.java
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/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/scripting/package-info.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/collection/CollectionSupport.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/service/ServiceException.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/service/AbstractReloadableService.java
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/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-

jar/net/shibboleth/utilities/java/support/security/DelegatingAccessControlService.java
 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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 * /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/Positive.java

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/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/Negative.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/logic/Constraint.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/component/AbstractIdentifiedInitializableComponent.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/Type4UUIDIdentifierGenerationStrategy.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/service/package-info.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/net/URLBuilder.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/xml/package-info.java

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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/xml/AttributeSupport.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/resource/Resource.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/net/ThreadLocalHttpServletRequestProxy.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/xml/DOMTypeSupport.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/package-info.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/BasicAccessControlService.java

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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/xml/LoggingErrorHandler.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/DataSealerException.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/net/HttpServletSupport.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/net/HttpServletRequestResponseContext.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/net/MediaTypeSupport.java

* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/NotLive.java

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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/collection/IterableSupport.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/logic/AllMatchPredicate.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/component/DestructableComponent.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/primitive/StringSupport.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/resource/package-info.java
*
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/httpclient/FileCachingHttpClientBuilder.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/scripting/EvaluableScript.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/ThreadSafeAfterInit.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/resolver/package-info.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/codec/Base64Support.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/NotEmpty.java
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/package-info.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/NonPositive.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/component/ComponentSupport.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/resolver/ResolverException.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/security/IdentifierGenerationStrategy.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/annotation/constraint/package-info.java
*
/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/primitive/LazilyFormattedString.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-jar/net/shibboleth/utilities/java/support/component/UnmodifiableComponentException.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-

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jar/net/shibboleth/utilities/java/support/logic/AbstractTriStatePredicate.java
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* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/component/UninitializedComponentException.java
*
/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/net/URIComparator.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/net/BasicURLComparator.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/annotation/constraint/Live.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/component/UnmodifiableComponent.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/xml/ParserPool.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/logic/CaseInsensitiveStringMatchPredicate.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/net/URIException.java
*
/opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/xml/ClasspathResolver.java
* /opt/cola/permits/1000740444_1646171493.64/0/java-support-7-3-0-sources-
jar/net/shibboleth/utilities/java/support/httpclient/TLSSocketFactoryBuilder.java

```

1.102 opensaml-storage-api 3.3.0

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Found in path(s):

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/VersionMismatchException.java

*

/opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/ReplayCache.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/RequestScopedStorageService.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/annotation/Key.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/StorageService.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/annotation/Expiration.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/AbstractMapBackedStorageService.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/StorageCapabilitiesEx.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/StorageRecord.java

*

/opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/annotation/AnnotationSupport.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/package-info.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/StorageCapabilities.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/MutableStorageRecord.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/annotation/Value.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/annotation/package-info.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/StorageSerializer.java

*

/opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/annotation/Context.java

* /opt/cola/permits/1000740485_1646171533.33/opensaml-storage-api-3-3-0-sources-jar/org/opensaml/storage/AbstractStorageService.java

1.103 opensaml-java 3.3.0

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1.104 jcl-over-slf4j 1.7.25

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* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/LogFactory.java

* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/Log.java

* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/impl/SLF4JLogFactory.java

*

```
/opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/impl/SLF4JLocationAwareLog.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/LogConfigurationException.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/impl/SLF4JLog.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
jar/org/apache/commons/logging/impl/SimpleLog.java
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1.105 opensaml-security-api 3.3.0

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jar/org/opensaml/security/credential/CredentialSupport.java
*
/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/criteria/PublicKeyCriterion.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/PKIXValidationInformationResolver.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/crypto/KeySupport.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/PKIXTrustEngine.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/crypto/SigningUtil.java
```

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/criteria/UsageCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/messaging/ClientTLSSecurityParametersContext.java

*

/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/x509/PKIXTrustEvaluator.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/httpclient/package-info.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/credential/UsageType.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/httpclient/HttpClientSecurityParameters.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/criteria/KeyNameCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/x509/TrustedNamesCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/credential/Credential.java

*

/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/credential/BasicCredential.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/messaging/HttpClientSecurityContext.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/credential/CredentialResolver.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/httpclient/HttpClientSecuritySupport.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/x509/X509IssuerSerialCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/criteria/PeerEntityIDCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/x509/tls/CertificateNameOptions.java

*

/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/x509/PKIXValidationOptions.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/messaging/package-info.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/x509/X509SubjectKeyIdentifierCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/trust/TrustedCredentialTrustEngine.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/credential/CredentialContext.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-jar/org/opensaml/security/criteria/KeyLengthCriterion.java

* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-

jar/org/opensaml/security/httpclient/HttpClientSecurityConstants.java
*
/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/tls/ClientTLSValidationConfiguration.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/BasicX509Credential.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/tls/ClientTLSValidationParameters.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/credential/MutableCredential.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/crypto/package-info.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
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jar/org/opensaml/security/criteria/KeyAlgorithmCriterion.java
*
/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/trust/TrustEngine.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/tls/ClientTLSValidationConfigurationCriterion.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/messaging/ServletRequestX509CredentialAdapter.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/credential/AbstractCredential.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/trust/package-info.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/package-info.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/InternalX500DNHandler.java
*
/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/X509Credential.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/X509DigestCriterion.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/credential/CredentialContextSet.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
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* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/X509SubjectNameCriterion.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/X500DNHandler.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/criteria/package-info.java
*

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/opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/SecurityException.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/package-info.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/credential/package-info.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/PKIXValidationInformation.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/tls/package-info.java
* /opt/cola/permits/1000740233_1646171494.51/0/opensaml-security-api-3-3-0-sources-
jar/org/opensaml/security/x509/X509Support.java
```

1.106 opensaml-xmlsec-impl 3.3.0

1.106.1 Available under license :

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```
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Found in path(s):

```
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/keyinfo/impl/StaticKeyInfoGenerator.java
*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/PGPDDataBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/CipherValueBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/OriginatorKeyInfoUnmarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/X509SKIBuilder.java
```


* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/impl/BasicSignatureValidationConfiguration.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/RecipientKeyInfoBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/AlgorithmIdentifierTypeUnmarshaller.java
 *
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/RecipientKeyInfoImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/KeyInfoReferenceMarshaller.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/EncryptedTypeImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/KeyInfoMarshaller.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/PBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/CipherDataBuilder.java
 *
 /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/config/DefaultSecurityConfigurationBootstrap.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/ExponentImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/X509SubjectNameBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/keyinfo/impl/KeyInfoProvider.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/support/provider/ApacheSantuarioSignerProviderImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/X509SKIIImpl.java
 *
 /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/PublicImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/EncryptionMethodImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/JIImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-

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jar/org/opensaml/xmlsec/keyinfo/impl/KeyInfoCredentialContext.java
*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/CryptoBinaryMarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/OAEPparamsBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/GImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/EncryptionMethodUnmarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/EncryptedKeyImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/CarriedKeyNameImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/keyinfo/impl/BasicProviderKeyInfoCredentialResolver.java
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/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/impl/StaticEncryptionParametersResolver.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/DSAKeyValueUnmarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/GeneratorBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/config/GlobalSecurityConfigurationInitializer.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/TransformUnmarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/TransformsImpl.java
*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/KeySizeBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-

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jar/org/opensaml/xmlsec/encryption/impl/MGFBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/TransformsImpl.java
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 jar/org/opensaml/xmlsec/encryption/impl/ReferenceListBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/AgreementMethodMarshaller.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/ModulusImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/JBuilder.java
 *
 /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 jar/org/opensaml/xmlsec/signature/impl/DigestMethodUnmarshaller.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/PGPKeyIDImpl.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/QBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/RetrievalMethodBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/signature/impl/PgenCounterImpl.java

* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/SignatureBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/MgmtDataBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/impl/CipherReferenceUnmarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/DEREncodedKeyValueUnmarshaller.java
*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/impl/MGFMarshallers.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/impl/BlacklistPredicate.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/X509SubjectNameImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/DigestMethodImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/RetrievalMethodMarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/impl/AbstractSecurityParametersResolver.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/DSAKeyValueMarshaller.java
*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/impl/EncryptedDataImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/impl/BasicSignatureSigningConfiguration.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/support/impl/SignatureAlgorithmValidator.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/impl/PgenCounterBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/ExponentBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/impl/BasicWhitelistBlacklistConfiguration.java
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/PublicKeyImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/keyinfo/impl/package-info.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/PGPKeyIDBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-

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jar/org/opensaml/xmlsec/signature/impl/X509CertificateImpl.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/signature/impl/PgenCounterBuilder.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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*
/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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*
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
jar/org/opensaml/xmlsec/encryption/impl/OriginatorKeyInfoImpl.java
*

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/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/encryption/impl/DataReferenceMarshaller.java
* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/SPKIDataBuilder.java
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* /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-jar/org/opensaml/xmlsec/signature/impl/X509DigestBuilder.java
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/opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
 jar/org/opensaml/xmlsec/encryption/impl/DHKeyValueBuilder.java
 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 * /opt/cola/permits/1000740185_1646171536.18/0/opensaml-xmlsec-impl-3-3-0-sources-
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 jar/org/opensaml/xmlsec/encryption/impl/DataReferenceBuilder.java

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1.107 javax-ws-rs-api 2.0.1

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* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/PUT.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/Cookie.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/Variant.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/Consumes.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/client/FactoryFinder.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/HttpHeaders.java
*
/opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/FormParam.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/EntityTag.java

```

```
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-  
jar/javax/ws/rs/Produces.java
```

1.108 asm 5.0.4

1.108.1 Available under license :

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```
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 */  
/**  
 * Constructs a new { @link ClassNode}. <i>Subclasses must not use this  
 * constructor</i>. Instead, they must use the { @link #ClassNode(int)}  
 * version.  
 *  
 * @throws IllegalStateException  
 * If a subclass calls this constructor.  
 */
```

Found in path(s):

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/ClassNode.java

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- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/TypePath.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/TypeReference.java

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jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/package.html
* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/package.html
*
/opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/package.html
* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/package.html
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* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/ASMifiable.java
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*/

/**

* Creates a new JSRInliner. *<i>Subclasses must not use this*

* constructor*</i>*. Instead, they must use the

* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}

* version.

*

* @param mv

*

the `MethodVisitor` to send the resulting inlined

* method code to (use `null` for none).

* @param access

* the method's access flags (see { @link Opcodes}). This

* parameter also indicates if the method is synthetic and/or

* deprecated.

* @param name

- * the method's name.
- * @param desc
- * the method's descriptor (see { @link Type}).
- * @param signature
- * the method's signature. May be <tt>null</tt>.
- * @param exceptions
- * the internal names of the method's exception classes (see
- * { @link Type#getInternalName() getInternalName}). May be
- * <tt>null</tt>.
- * @throws IllegalStateException
- * If a subclass calls this constructor.
- */

Found in path(s):

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/FrameNode.java
- *
- /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
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- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
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- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/SimpleRemapper.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Attribute.java
- *
- /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
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- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/CheckFieldAdapter.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/FieldVisitor.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
- *
- /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/LabelNode.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/AdviceAdapter.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Value.java
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/ASMifier.java
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 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/TraceFieldVisitor.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/Constant.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/AnnotationVisitor.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/MethodVisitor.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/Method.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Frame.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/MethodNode.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/ParameterNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Type.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/TraceSignatureVisitor.java

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/NameMapping.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Context.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/CheckMethodAdapter.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/ClassWriter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Item.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/ConstantPool.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Handler.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/JarOptimizer.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Label.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/ByteVector.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/signature/SignatureReader.java
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 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Handle.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/InsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/TraceClassVisitor.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/FieldNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/AnnotationWriter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-

jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/analysis/Interpreter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/LocalVariableNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/InsnList.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/analysis/Frame.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/commons/Remapper.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/Printer.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/AbstractInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/optimizer/Shrinker.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/InsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/commons/InstructionAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/ClassVisitor.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/LineNumberNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/MethodWriter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/commons/LocalVariablesSorter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/ClassReader.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Edge.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/Opcodes.java
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*/

/**

* Constructs a new {@link LocalVariableAnnotationNode}. *Subclasses must*
* not use this constructor. Instead, they must use the
* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
* version.

*

* @param typeRef
* a reference to the annotated type. See {@link TypeReference}.

* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* `null` if the annotation targets 'typeRef' as a whole.

* @param start
* the first instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).

* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.

* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.

* @param desc
* the class descriptor of

the annotation class.

*/

Found in path(s):

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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 */

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* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/xml/Processor.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/xml/SAXFieldAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/xml/ASMContentHandler.java
 *
 /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/xml/SAXClassAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/xml/SAXCodeAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/xml/SAXAdapter.java
 * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
 jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
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*/
/**
 * Creates a new { @link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *
 *     the owner's class name.
 * @param access
 *     the method's access flags (see { @link Opcodes}).
 * @param name
 *     the method's name.
 * @param desc
 *     the method's descriptor (see { @link Type Type}).
 * @param mv
 *     the method visitor to which this adapter delegates calls. May
 *     be <tt>null</tt>.
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java

```

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*/
```

/**

```
* Constructs a new {@link Textifier}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #Textifier(int)}
* version.
*
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/util/Textifier.java
```

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- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-resize.properties
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink.properties
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
- *
- /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-writer.properties
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-frames.properties
- * /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-annotations.properties

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*/

/**

* Creates a new { @link GeneratorAdapter}. *Subclasses must not use this
* constructor*. Instead, they must use the

* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}

* version.

*

* @param mv

* the

method visitor to which this adapter delegates calls.

* @param access

* the method's access flags (see { @link Opcodes}).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see { @link Type Type}).

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /opt/cola/permits/1000741800_1646171538.12/0/asm-5-0-4-sources-
jar/org/objectweb/asm/commons/GeneratorAdapter.java

1.109 javax-el 3.0.0

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1.111 antlr 2.7.7

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1.112 geronimo-annotation-spec 1.1.1

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1.116 compress-lzf 1.0.3

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- * Cedrik Lime: parallel LZF implementation

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1.117 jaxb-api 2.3.0

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1.121 commons-beanutils 1.8.3

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1.124 cglib 2.2

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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/TinyBitSet.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/ParallelSorterEmitter.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/LazyLoader.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/NamingPolicy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ClassNameReader.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Block.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/ParallelSorter.java
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jar/net/sf/cglib/transform/impl/AddPropertyTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/impl/UndeclaredThrowableStrategy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/reflect/ConstructorDelegate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-

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jar/net/sf/cglib/transform/impl/FieldProviderTransformer.java
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jar/net/sf/cglib/transform/TransformingClassLoader.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ClassEmitter.java
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/opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOp.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanGenerator.java
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jar/net/sf/cglib/transform/impl/InterceptFieldEnabled.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/ClassTransformerTee.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/impl/InterceptFieldCallback.java
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jar/net/sf/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-

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jar/net/sf/cglib/core/DefaultGeneratorStrategy.java
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jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/FixedKeySet.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/DuplicatesPredicate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/MethodVisitorTee.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/MethodFilterTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/AbstractProcessTask.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/impl/InterceptFieldTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassFilter.java
*
/opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Callback.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/AbstractClassTransformer.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastMethod.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/MethodDelegate.java
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/opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanCopier.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MethodProxy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/core/DebuggingClassWriter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/proxy/InvocationHandlerGenerator.java

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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
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jar/net/sf/cglib/transform/ClassTransformerChain.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
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*
/opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/FixedValueGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOpGenerator.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/TypeUtils.java
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/opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/CodeEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/ImmutableBean.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackFilter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/EmitUtils.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/MulticastDelegate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanMap.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Proxy.java
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jar/net/sf/cglib/proxy/LazyLoaderGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ReflectUtils.java
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- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/MethodInfo.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractClassFilterTransformer.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AbstractInterceptFieldCallback.java
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- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackInfo.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/MethodInfoTransformer.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/RejectModifierPredicate.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinEverythingEmitter.java
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1.126 asm-tree 5.0.4

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*/

/**

* Creates a new { @link AnalyzerAdapter}. *Subclasses must not use this
* constructor*. Instead, they must use the
* { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.

*

* @param owner

*

the owner's class name.

* @param access

the method's access flags (see { @link Opcodes}).

* @param name

the method's name.

* @param desc

the method's descriptor (see { @link Type Type}).

* @param mv

the method visitor to which this adapter delegates calls. May

be `<tt>null</tt>`.

* @throws IllegalStateException

If a subclass calls this constructor.

*/

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*/
/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

`/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/Textifier.java`

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```

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*/
/**
 * Constructs a new { @link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * { @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *     a reference to the annotated type. See { @link TypeReference}.
 * @param typePath
 *     the path to the annotated type argument, wildcard bound, array
 *     element type, or static inner type within 'typeRef'. May be
 *     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *     the first instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (inclusive).
 * @param end
 *     the last instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (exclusive). This
 *     array must have the same size as the 'start' array.
 * @param index
 *     the local variable's index in each range. This array must have
 *     the same size as the 'start' array.
 * @param desc
 *     the class descriptor of
the annotation class.
*/

```

Found in path(s):

* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/ASMifiable.java

* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/Textifiable.java

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*/
/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/ClassNode.java

```

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- * /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/SAXAdapter.java
- * /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/Processor.java
- * /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
- *
 - /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
 - * /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
 - * /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/ASMContentHandler.java
 - * /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/xml/SAXClassAdapter.java

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jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/util/TraceClassVisitor.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/FieldNode.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Context.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/BasicValue.java
*

/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/IncInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Handler.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/Printer.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/Shrinker.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Edge.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/ConstantPool.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-

jar/org/objectweb/asm/util/TraceSignatureVisitor.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Item.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/MethodNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Type.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-

jar/org/objectweb/asm/tree/ParameterNode.java
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* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/AnnotationNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/util/ASMifier.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
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* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/SimpleRemapper.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/Interpreter.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Handle.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-

jar/org/objectweb/asm/commons/InstructionAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/Frame.java
*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/Remapper.java
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* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/commons/package.html
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/package.html

*
/opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/package.html
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* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-jar/org/objectweb/asm/TypeReference.java
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 */
 /**
 * Creates a new JSRInliner. *<i>Subclasses must not use this
 * constructor</i>*. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 *
 the `MethodVisitor` to send the resulting inlined
 * method code to (use `null` for none).
 * @param access
 * the method's access flags (see { @link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see { @link Type}).
 * @param signature
 * the method's signature. May be `null`.
 * @param exceptions
 * the internal names of the method's exception classes (see


```
*      { @link Type#getInternalName() getInternalName }). May be
*      <tt>null</tt>.
* @throws IllegalStateException
*      If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
```

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```
/**
```

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```

```
*/
```

```
/**
```

```
* Creates a new { @link GeneratorAdapter}. Subclasses must not use this
* constructor. Instead, they must use the
* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
*
* @param mv
```

```

*      the
method visitor to which this adapter delegates calls.
* @param access
*      the method's access flags (see { @link Opcodes}).
* @param name
*      the method's name.
* @param desc
*      the method's descriptor (see { @link Type Type}).
* @throws IllegalStateException
*      If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/cola/permits/1000772141_1646171509.25/0/asm-tree-5-0-4-sources-
jar/org/objectweb/asm/commons/GeneratorAdapter.java

```

1.127 asm-debug-all 5.1

1.127.1 Available under license :

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*/

/**

* Constructs a new {@link LocalVariableAnnotationNode}. *Subclasses must*

* not use this constructor. Instead, they must use the

* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}

* version.

*

* @param typeRef

* a reference to the annotated type. See {@link TypeReference}.

* @param typePath

* the path to the annotated type argument, wildcard bound, array

- * element type, or static inner type within 'typeRef'. May be
- * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
- * @param start
- * the first instructions corresponding to the continuous ranges
- * that make the scope of this local variable (inclusive).
- * @param end
- * the last instructions corresponding to the continuous ranges
- * that make the scope of this local variable (exclusive). This
- * array must have the same size as the 'start' array.
- * @param index
- * the local variable's index in each range. This array must have
- * the same size as the 'start' array.
- * @param desc
- * the class descriptor of

the annotation class.

*/

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* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Handler.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/Printer.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Edge.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/JarOptimizer.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

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jar/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Type.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Item.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java

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* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Label.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/SignatureRemapper.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/SimpleRemapper.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/Frame.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/InsnList.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
 *
 /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/FieldWriter.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/MethodRemapper.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/InstructionAdapter.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Frame.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/AdviceAdapter.java
 *
 /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Handle.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
 * /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/MethodNode.java
 *

/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/Shrinker.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/AnnotationRemapper.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/ConstantPool.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/FieldNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Context.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/NameMapping.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/FieldRemapper.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-


```
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/ClassRemapper.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/JumpInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/ASMifier.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
*
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/MethodWriter.java
```

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```

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*/

/**

* Constructs a new {@link ClassNode}. *Subclasses must not use this
* constructor*. Instead, they must use the {@link #ClassNode(int)}
* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/tree/ClassNode.java

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* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/TypeReference.java

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*/

/**

* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this*

```

* constructor</i>. Instead, they must use the
* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
*
* @param mv
*     the
method visitor to which this adapter delegates calls.
* @param access
*     the method's access flags (see {@link Opcodes}).
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see {@link Type Type}).
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/GeneratorAdapter.java

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* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/package.html

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/package.html

*

/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/package.html

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/package.html

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/package.html

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```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/Textifiable.java
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/ASMifiable.java
```

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*/
/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/util/Textifier.java

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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 *
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>>null</code> for none).
 * @param access
 * the method's access flags (see { @link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see { @link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * { @link Type#getInternalName() getInternalName}). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
```


jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

jar/org/objectweb/asm/xml/SAXClassAdapter.java

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

jar/org/objectweb/asm/xml/ASMContentHandler.java

*

/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

jar/org/objectweb/asm/xml/Processor.java

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

jar/org/objectweb/asm/xml/SAXCodeAdapter.java

* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-

jar/org/objectweb/asm/xml/SAXAdapter.java

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-  
jar/org/objectweb/asm/xml/SAXFieldAdapter.java
```

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```
*/
```

```
/**
```

```
 * Creates a new {@link AnalyzerAdapter}. Subclasses must not use this
```

```
 * constructor. Instead, they must use the
```

```
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
```

```
 * version.
```

```
*
```

```
 * @param owner
```

```
*
```

```
 * the owner's class name.
```

```
 * @param access
```

```
 * the method's access flags (see {@link Opcodes}).
```

```
 * @param name
```

```
 * the method's name.
```

```
 * @param desc
```

```
*      the method's descriptor (see { @link Type Type}).
* @param mv
*      the method visitor to which this adapter delegates calls. May
*      be <tt>null</tt>.
* @throws IllegalStateException
*      If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink.properties
```

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink-annotations.properties
```

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink-signatures.properties
```

```
*
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```
/opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink-resize.properties
```

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink-writer.properties
```

```
* /opt/cola/permits/1000772246_1646171509.45/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink-frames.properties
```

1.128 antlr-runtime 4.5.1-1

1.129 asm-commons 5.0.4

1.129.1 Available under license :

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```
*/
```

```
/**
```

```
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```

```
* constructor. Instead, they must use the
```

```
* {AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
```

```
* version.
```

```
*
```

```
* @param owner
```

```
*
```

```
the owner's class name.
```

```
* @param access
```

```
* the method's access flags (see {Opcodes}).
```

```
* @param name
```

```
*      the method's name.
* @param desc
*      the method's descriptor (see { @link Type Type}).
* @param mv
*      the method visitor to which this adapter delegates calls. May
*      be <tt>null</tt>.
* @throws IllegalStateException
*      If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java
```

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* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
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* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/Printer.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
*
/opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-

```

jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Edge.java
*
/opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/TryCatchBlockNode.java
*
/opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Item.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
*
/opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/Context.java

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* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/Constant.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/IncInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/SimpleRemapper.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/FieldNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/InnerClassNode.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/AnnotationVisitor.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/NameMapping.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/AnnotationWriter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/ASMifier.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/InsnList.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/Method.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/FrameNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Handle.java

* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/TraceClassVisitor.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Interpreter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/MethodWriter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Type.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/FieldVisitor.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/InsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Frame.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/ClassVisitor.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/ConstantPool.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Attribute.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/LineNumberNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/InstructionAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Label.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/Shrinker.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java

* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/Remapper.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/Handler.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SmallSet.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/MethodNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/ParameterNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/LocalVariableNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/Frame.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
 *
 /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/signature/SignatureReader.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/AbstractInsnNode.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/FieldWriter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
 * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java

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*/

/**

* Creates a new JSRInliner. *<i>Subclasses must not use this*

* constructor*</i>. Instead, they must use the*

* `{ @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}`

* version.

*

* @param mv

*

the `MethodVisitor` to send the resulting inlined

* method code to (use `null` for none).

* @param access

* the method's access flags (see `{ @link Opcodes}`). This

* parameter also indicates if the method is synthetic and/or

* deprecated.

* @param name

* the method's name.

```
* @param desc
*     the method's descriptor (see {@link Type}).
* @param signature
*     the method's signature. May be <tt>null</tt>.
* @param exceptions
*     the internal names of the method's exception classes (see
*     {@link Type#getInternalName() getInternalName}). May be
*     <tt>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
```

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Found in path(s):

```
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/xml/asm-
xml.dtd
```

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*/

/**

* Constructs a new {@link ClassNode}. *Subclasses must not use this*
* constructor*.* Instead, they must use the {@link #ClassNode(int)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):

* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/ClassNode.java

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jar/org/objectweb/asm/package.html
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/commons/package.html
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/package.html
*
/opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/tree/analysis/package.html
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/signature/package.html

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 */
 /**
 * Constructs a new { @link LocalVariableAnnotationNode }. <i>Subclasses must not use this constructor</i>. Instead, they must use the
 * { @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String) }
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See { @link TypeReference }.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the first instructions corresponding to the continuous ranges that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges that make the scope of this local variable (exclusive). This array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have the same size as the 'start' array.
 * @param desc
 * the class descriptor of

the annotation class.

*/

Found in path(s):

* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/util/Textifiable.java

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- * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
- * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink.properties
- * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-resize.properties
- *
- /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
- * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-frames.properties
- * /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-jar/org/objectweb/asm/optimizer/shrink-writer.properties

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* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/TypePath.java

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*/

/**

* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this*

```

* constructor</i>. Instead, they must use the
* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
*
* @param mv
*     the
method visitor to which this adapter delegates calls.
* @param access
*     the method's access flags (see {@link Opcodes}).
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see {@link Type Type}).
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
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```

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```

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```

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jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/xml/SAXCodeAdapter.java
*

/opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/xml/SAXClassAdapter.java

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/**
 * Constructs a new {@link Textifier}. Subclasses must not use this
 * constructor. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/cola/permits/1000772350_1646171572.49/0/asm-commons-5-0-4-sources-
jar/org/objectweb/asm/util/Textifier.java

```

1.130 jaxb-core 2.2.11

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1.131 hawtbuf 1.11

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* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/AbstractVarIntSupport.java

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*

/opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/AsciiBuffer.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/ObjectCodec.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/Buffer.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/BufferEditor.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/LongCodec.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/ByteArrayOutputStream.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/HexSupport.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/Codec.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/UTF8Buffer.java

*

/opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/VarSignedLongCodec.java

* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-

```
jar/org/fusesource/hawtbuf/DataByteArrayOutputStream.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/BufferInputStream.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/BufferCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/DataByteArrayInputStream.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/VarLongCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/VariableCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/IntegerCodec.java
*
/opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/ByteArrayInputStream.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/StringCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/UTF8BufferCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/AsciiBufferCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/VarIntegerCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/VarSignedIntegerCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/BufferOutputStream.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/AbstractBufferCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-
jar/org/fusesource/hawtbuf/codec/FixedBufferCodec.java
```

1.132 jackson-dataformat-smile 2.8.11

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```
com.fasterxml.jackson.dataformat.smile.SmileFactory
```

Found in path(s):

```
* /opt/cola/permits/1000808141_1646171509.52/0/jackson-dataformat-smile-2-8-11-sources-jar/META-  
INF/services/com.fasterxml.jackson.core.JsonFactory
```

1.133 dom4j 2.1.1

1.134 jackson 2.8.11

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```
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```

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1.135 javax-el-api 3.0.0

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1.137 jna 4.5.1

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1.138 log4j-api 2.11.0

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- * /opt/cola/permits/1000864524_1646171528.06/0/t-digest-3-2-sources-jar/com/tdunning/math/stats/FloatHistogram.java
- * /opt/cola/permits/1000864524_1646171528.06/0/t-digest-3-2-sources-jar/com/tdunning/math/stats/AVLTreeDigest.java
- *
- /opt/cola/permits/1000864524_1646171528.06/0/t-digest-3-2-sources-jar/com/tdunning/math/stats/MergingDigest.java
- * /opt/cola/permits/1000864524_1646171528.06/0/t-digest-3-2-sources-jar/com/tdunning/math/stats/IntAVLTree.java
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- * /opt/cola/permits/1000864524_1646171528.06/0/t-digest-3-2-sources-jar/com/tdunning/math/stats/Sort.java
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- * /opt/cola/permits/1000864524_1646171528.06/0/t-digest-3-2-sources-jar/com/tdunning/math/stats/Centroid.java

1.140 lucene-memory 7.7.0

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* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/ShapeDeserializer.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/GeoJSONReader.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/PackageVersion.java.in
*
/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/ShapesAsGeoJSONModule.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/PackageVersion.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/ShapeAsWKTSerializer.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/GeometryAsWKTSerializer.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/ShapesAsWKTModule.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/GeometryDeserializer.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jackson/GeometryAsGeoJSONSerializer.java
*
/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
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* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/package-info.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/distance/DistanceCalculator.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/package-
info.java
*
/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/ShapeCollection.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
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jar/org/locationtech/spatial4j/context/jts/JtsSpatialContextFactory.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/package-
info.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/RectangleImpl.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/GeoCircle.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/SpatialRelation.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/distance/package-info.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/ShapeFactoryImpl.java
*
/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/jts/JtsGeometry.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/exception/InvalidShapeException.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/context/jts/JtsSpatialContext.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/Point.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/Shape.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/context/SpatialContext.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/LegacyShapeReader.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/Rectangle.java
*
/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/jts/JtsShapeFactory.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/jts/JtsPoint.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/distance/CartesianDistCalc.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jts/JtsWKTReaderShapeParser.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/distance/GeodesicSphereDistCalc.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/PointImpl.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/Circle.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/CircleImpl.java
*

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/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/context/package-info.java

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* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/jts/JtsWKTWriter.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/ShapeReader.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/ShapeIO.java
*

/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/WKTWriter.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/GeoJSONWriter.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/ShapeWriter.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/SupportedFormats.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/jts/JtsGeoJSONWriter.java

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jar/org/locationtech/spatial4j/shape/impl/BufferedLine.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/BufferedLineString.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/BinaryCodec.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jts/JtsBinaryCodec.java
*
  /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/shape/impl/Range.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/context/jts/DatelineRule.java
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jar/org/locationtech/spatial4j/shape/impl/InfBufLine.java
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\*

/opt/cola/permits/1000876689\_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/SpatialPredicate.java

\* /opt/cola/permits/1000876689\_1646171537.77/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/exception/UnsupportedSpatialPredicate.java

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*
/opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/jts/JtsPolyshapeWriter.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/ParseUtils.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/io/PolyshapeReader.java
* /opt/cola/permits/1000876689_1646171537.77/0/spatial4j-0-7-sources-
jar/org/locationtech/spatial4j/distance/DistanceUtils.java
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`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish  
light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
Ljiljana Dolamic. These files reside in:  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`

analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The

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The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in `stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt`. See <http://project.carrot2.org/license.html>.

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## 1.146 netty-resolver 4.1.32

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
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Nori Korean Morphological Analyzer - Apache Lucene Integration

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This software includes a binary and/or source version of data from

mecab-ko-dic-2.0.3-20170922

which can be obtained from

<https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz>

## 1.150 antlr-runtime 4.5.3

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\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/ErrorInfo.java

\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/DecisionEventInfo.java

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* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-
jar/org/antlr/v4/runtime/atn/ContextSensitivityInfo.java
* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-
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jar/org/antlr/v4/runtime/atn/ParseInfo.java
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\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/misc/Predicate.java

\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/ProxyParserErrorListener.java

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/opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/RuleVersion.java

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* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-  
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*  
/opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-  
jar/org/antlr/v4/runtime/dfa/SparseEdgeMap.java  
* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-  
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* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-
jar/org/antlr/v4/runtime/atn/RuleStartState.java
* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-
jar/org/antlr/v4/runtime/tree/TerminalNode.java
* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-
jar/org/antlr/v4/runtime/dfa/DFA.java
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jar/org/antlr/v4/runtime/atn/SetTransition.java  
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* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-  
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* /opt/cola/permits/1000876358_1646171538.93/0/antlr4-runtime-4-5-3-sources-  
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\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/ATNSimulator.java  
\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/LexerPushModeAction.java  
\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/ATNDeserializer.java  
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\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/ProfilingATNSimulator.java  
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/opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/LexerSkipAction.java  
\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/LexerChannelAction.java  
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\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/LexerActionType.java  
\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/LexerActionExecutor.java  
\* /opt/cola/permits/1000876358\_1646171538.93/0/antlr4-runtime-4-5-3-sources-jar/org/antlr/v4/runtime/atn/LexerCustomAction.java

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`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish  
light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
Ljiljana Dolamic. These files reside in:  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`

analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The

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## 1.155 geo-ip 2.9.0

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public DomainResponse(

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\* /opt/cola/permits/1000876345\_1646171592.18/0/geoip2-2-9-0-sources-jar/com/maxmind/geoip2/model/DomainResponse.java

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public DomainResponse domain(InetAddress ipAddress) throws IOException,

Found in path(s):

\* /opt/cola/permits/1000876345\_1646171592.18/0/geoip2-2-9-0-sources-jar/com/maxmind/geoip2/DatabaseReader.java

## 1.156 maxmind-db 1.2.2

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## 1.157 lucene-join 7.7.0

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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,  
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
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jar/org/bouncycastle/apache/bzip2/CBZip2InputStream.java
*
 /opt/cola/permits/1000876274_1646171594.64/0/bcpjg-jdk15on-1-61-sources-
jar/org/bouncycastle/apache/bzip2/CRC.java
* /opt/cola/permits/1000876274_1646171594.64/0/bcpjg-jdk15on-1-61-sources-
jar/org/bouncycastle/apache/bzip2/BZip2Constants.java
* /opt/cola/permits/1000876274_1646171594.64/0/bcpjg-jdk15on-1-61-sources-
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
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# 1.165 Lucene-misc 7.7.0

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jar/org/opensaml/messaging/handler/impl/package-info.java
*
/opt/cola/permits/1001042957_1646171616.99/0/opensaml-messaging-impl-3-3-0-sources-
jar/org/opensaml/messaging/handler/impl/MessageHandlerErrorStrategyAdapter.java
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jar/org/opensaml/messaging/handler/impl/CheckMandatoryAuthentication.java
* /opt/cola/permits/1001042957_1646171616.99/0/opensaml-messaging-impl-3-3-0-sources-
jar/org/opensaml/messaging/handler/impl/CheckMandatoryIssuer.java
* /opt/cola/permits/1001042957_1646171616.99/0/opensaml-messaging-impl-3-3-0-sources-
jar/org/opensaml/messaging/handler/impl/HTTPRequestValidationHandler.java
* /opt/cola/permits/1001042957_1646171616.99/0/opensaml-messaging-impl-3-3-0-sources-
jar/org/opensaml/messaging/handler/impl/SchemaValidateXMLMessage.java
* /opt/cola/permits/1001042957_1646171616.99/0/opensaml-messaging-impl-3-3-0-sources-
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jar/org/owasp/html/package-info.java
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* /opt/cola/permits/1001043402_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-
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jar/org/owasp/html/examples/EbayPolicyExample.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlChangeListener.java  
\*  
/opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/ElementAndAttributePolicies.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/Trie.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlSanitizer.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlStreamEventReceiver.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/StandardUrlAttributePolicy.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/TokenStream.java  
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jar/org/owasp/html/HtmlStreamRenderer.java  
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jar/org/owasp/html/CssTokens.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlEntities.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/FilterUrlByProtocolAttributePolicy.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlPolicyBuilder.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/StylingPolicy.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlTokenType.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
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\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/TCB.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/CssSchema.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/examples/SlashdotPolicyExample.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/HtmlToken.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-  
jar/org/owasp/html/TagBalancingHtmlStreamEventReceiver.java

\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/examples/UrlTextExample.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/Encoding.java  
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/opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/ElementAndAttributePolicyBasedSanitizerPolicy.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/HtmlTextEscapingMode.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/Sanitizers.java  
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\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/HtmlChangeReporter.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/Handler.java  
\* /opt/cola/permits/1001043402\_1646171570.21/0/owasp-java-html-sanitizer-r239-sources-jar/org/owasp/html/ElementPolicy.java

## 1.173 joda-time 2.8.2

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```

Found in path(s):

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* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/cellprocessor/ParseEnum.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/io/AbstractCsvReader.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/exception/SuperCsvReflectionException.java
*
/opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/quote/NormalQuoteMode.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/exception/package-
info.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/cellprocessor/HashMapMapper.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/cellprocessor/constraint/StrMinMax.java
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jar/org/supercsv/cellprocessor/ParseBool.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/cellprocessor/Token.java
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 \* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/io/ICsvMapWriter.java  
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jar/org/supercsv/exception/SuperCsvConstraintViolationException.java  
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/opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/constraint/package-info.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ift/CellProcessor.java

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\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ift/DoubleCellProcessor.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/io/CsvListReader.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/encoder/package-info.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ift/LongCellProcessor.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/util/ReflectionUtils.java

\*

/opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/StrReplace.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/io/ITokenizer.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ift/package-info.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/constraint/LMinMax.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ConvertNullTo.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ParseDouble.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/exception/SuperCsvCellProcessorException.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/Truncate.java

\*

/opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/encoder/DefaultCsvEncoder.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/constraint/StrRegEx.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/ParseBigDecimal.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/util/package-info.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/constraint/RequireSubStr.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/cellprocessor/constraint/ForbidSubStr.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/prefs/package-info.java

\* /opt/cola/permits/1001043329\_1646171575.62/0/super-csv-2-4-0-sources-

```
jar/org/supercsv/cellprocessor/Optional.java
*
/opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/comment/CommentMatcher.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/util/TwoDHashMap.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/io/CsvResultSetWriter.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-
jar/org/supercsv/cellprocessor/constraint/StrNotNullOrEmpty.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/util/CsvContext.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/quote/package-
info.java
* /opt/cola/permits/1001043329_1646171575.62/0/super-csv-2-4-0-sources-jar/org/supercsv/io/package-info.java
```

# 1.175 opensaml-profile-impl 3.3.0

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```
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/CheckAccess.java
*
/opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/PopulateMetricContext.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/PopulateDecryptionParameters.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/PopulateSignatureValidationParameters.java
```

```
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/EncodeMessage.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/SetProfileId.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/package-info.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/AbstractMessageChannelSecurity.java
*
/opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/DecodeMessage.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/LogEvent.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/PopulateClientTLSValidationParameters.java
* /opt/cola/permits/1001043353_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-
jar/org/opensaml/profile/action/impl/HttpServletRequestMessageChannelSecurity.java
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*/
/** Message channel confidentiality flag. */
/**
* Get whether message channel confidentiality
is active.
*
* @return Returns the confidentialityActive.
*/
/**
* Set whether message channel confidentiality is active.
*
* @param flag The confidentialityActive to set.
*/
```

Found in path(s):

\* /opt/cola/permits/1001043353\_1646171620.81/0/opensaml-profile-impl-3-3-0-sources-jar/org/opensaml/profile/action/impl/StaticMessageChannelSecurity.java

# 1.176 opensaml-storage-impl 3.3.0

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\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/client/ClientStorageServiceOperation.java

\*

/opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/client/ClientStorageLoadContext.java

\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/memcached/package-info.java

\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/memcached/StringTranscoder.java

\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/client/ClientStorageService.java

\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/client/ClientStorageSaveContext.java

\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/memcached/StorageRecordTranscoder.java

\* /opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/client/SaveCookieBackedClientStorageServices.java

\*

/opt/cola/permits/1001043367\_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-jar/org/opensaml/storage/impl/JPAStorageService.java



```

* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/client/PopulateClientStorageSaveContext.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/MemoryStorageService.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/JPAStorageRecord.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/memcached/MemcachedStorageService.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/client/package-info.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/memcached/MemcachedStorageRecord.java
*
/opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/client/PopulateClientStorageLoadContext.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/memcached/MemcachedStorageCapabilities.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/package-info.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/client/LogLocalStorageSaveResults.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/ServletRequestScopedStorageService.java
* /opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/LDAPStorageService.java
*
/opt/cola/permits/1001043367_1646171583.79/0/opensaml-storage-impl-3-3-0-sources-
jar/org/opensaml/storage/impl/client/LoadClientStorageServices.java

```

## 1.177 pcsc-lite 1.8.8-8.e17

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## 1.178 commons-io 1.2

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## 1.179 jaxb-api 2.2.12

## 1.180 javax-xml-soap-api 1.4.0

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## 1.184 commons-pool 2.2

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## 1.186 xbean-spring 4.2

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
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Nori Korean Morphological Analyzer - Apache Lucene Integration

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```

```
*/
```

```
package com.amazonaws.services.s3.model;
```

```
/**
```

```
* Specifies constants defining an access permission,
* as granted to grantees in an
* {@link AccessControlList}. Only a limited set of permission are available;
* each one is represented as a value in this enumeration.
```

```
*/
```

```
public enum Permission {
```

```
    /**
```

```
     * Provides READ, WRITE, READ_ACP, and WRITE_ACP permissions.
```

```
     * <p>
```

```
     * It does not convey additional
rights and is provided only for
```

```
     * convenience.
```

```
     * </p>
```

```
    */
```

```
    FullControl("FULL_CONTROL", "x-amz-grant-full-control"),
```

```
    /**
```

```
     * Grants permission to list the bucket when applied to a bucket.
```

```
     * Grants permission to read object data
```

```
     * and/or metadata when applied to an object.
```

```
    */
```

```
    Read("READ", "x-amz-grant-read"),
```

```
    /**
```

```
     * Grants permission to create, overwrite, and
```

```
     * delete any objects in the bucket.
```

```
     * <p>
```

```
     * This permission is not supported for objects.
```

```
     * </p>
```

```
    */
```

```
    Write("WRITE", "x-amz-grant-write"),
```

```
    /**
```

```
     * Grants permission to read the ACL for the applicable bucket or object.
```

```
     * <p>
```

```
     * The owner of a bucket or object always implicitly has this permission.
```

```
     * </p>
```

```
    */
```

```

ReadAcp("READ_ACP", "x-amz-grant-read-acp"),

/**
 * Gives permission to overwrite the ACP for the applicable bucket or
 * object.
 * <p>
 * The owner of a bucket or object always has this permission
implicitly.
 * </p>
 * <p>
 * Granting this permission is equivalent to granting <code>FULL_CONTROL</code>because
 * the grant recipient can make any changes to the ACP.
 * </p>
 */
WriteAcp("WRITE_ACP", "x-amz-grant-write-acp");

private String permissionString;
private String headerName;

private Permission(String permissionString, String headerName) {
    this.permissionString = permissionString;
    this.headerName = headerName;
}

/**
 * Returns the name of the header used to grant this permission.
 */
public String getHeaderName() {
    return headerName;
}

/**
 * Gets the string representation of this permission object as defined by
 * Amazon S3, eg. <code>FULL_CONTROL</code>.
 *
 * @return The string representation of this permission object as defined by
 *         Amazon S3, eg. <code>FULL_CONTROL</code>.
 */
public String toString() {
    return permissionString;
}

/**
 * Returns the {@link Permission} enumeration value representing the specified Amazon
 * S3 Region ID string. If specified string doesn't map to a known Amazon S3
 * Region, returns <code>null</code>.
 *
 * @param str

```

```

*      A string representation of an Amazon S3 permission, eg.
*      <code>FULL_CONTROL</code>
*
* @return The {@link Permission} object represented by the given permission string,
*      Returns <code>null</code> if the string isn't a valid representation
*      of an Amazon S3
*      permission.
*/
public static Permission parsePermission(String str) {
    for (Permission permission : Permission.values()) {
        if (permission.permissionString.equals(str)) {
            return permission;
        }
    }

    return null;
}
}

```

# 1.200 json-java 20180130

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=====  
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# 1.201 aws-java-sdk-sts 1.11.511

# 1.202 checker-qual 2.7.0

# 1.203 jgrapht-core 0.9.1

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\*

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# 1.205 amqp-client 5.6.0

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## ## Source Code

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- \* <https://github.com/eclipse-ee4j/metro-xmlstreambuffer>
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- \* License: W3C
- \* Project: <https://www.w3.org/Submission/ws-addressing/>
- \* Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

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mex.xsd Version: 2004/09 (n/a)

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\* Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

\*

Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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stax2-api (4.1)

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\* Project: <https://github.com/FasterXML/stax2-api>

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<http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

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woodstox-core-asl (4.4.1)

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ws-addr.wsd (1.0)

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\* Project: <https://www.w3.org/2005/08/addressing/>

\* Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

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\* Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

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\* Project: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06>

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\* Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wstrm.xsd>; <http://schemas.xmlsoap.org/ws/2005/02/rm/wstrm-policy.xsd>

wstrm.xsd (1.2)

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xmlsec (1.5.8)

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\* Project: <http://santuario.apache.org/>

\* Source:

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\*

/opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/DecodingException.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/Data.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/Chunk.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MIMEConfig.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MIMEEvent.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/UUDecoderStream.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MemoryData.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/FactoryFinder.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/BASE64DecoderStream.java

\*

/opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MIMEMessage.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MIMEParser.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/PropUtil.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/Header.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/DataHead.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/CleanUpExecutorFactory.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/DataFile.java

\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MIMEPart.java  
\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/ASCIIUtility.java  
\*  
/opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/InternetHeaders.java  
\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MIMEParsingException.java  
\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/LineInputStream.java  
\* /opt/cola/permits/1001158872\_1646171600.32/0/mimepull-1-9-11-sources-jar/org/jvnet/mimepull/MimeUtility.java

# 1.214 commons-csv 1.5

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# 1.215 aws-java-sdk 1.11.511

## 1.215.1 Available under license :

```
{  
  "version": "2.0",  
  "metadata": {
```

```

"apiVersion":"2018-08-01",
"endpointPrefix":"license-manager",
"jsonVersion":"1.1",
"protocol":"json",
"serviceFullName":"AWS License Manager",
"serviceId":"License Manager",
"signatureVersion":"v4",
"targetPrefix":"AWSLicenseManager",
"uid":"license-manager-2018-08-01"
},
"operations":{
  "CreateLicenseConfiguration":{
    "name":"CreateLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"CreateLicenseConfigurationRequest"},
    "output":{"shape":"CreateLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Creates a new license configuration
object. A license configuration is an abstraction of a customer license agreement that can be consumed and enforced
by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or
VCPU), tenancy (shared tenancy, Amazon EC2 Dedicated Instance, Amazon EC2 Dedicated Host, or any of these),
host affinity (how long a VM must be associated with a host), the number of licenses purchased and used.</p>"
  },
  "DeleteLicenseConfiguration":{
    "name":"DeleteLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteLicenseConfigurationRequest"},
    "output":{"shape":"DeleteLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],

```

```

    "documentation": "<p>Deletes an existing license configuration. This action fails if the configuration is in
use.</p>"
  },
  "GetLicenseConfiguration": {
    "name": "GetLicenseConfiguration",
    "http": {
      "method": "POST",
      "requestUri": "/"
    },
    "input": { "shape": "GetLicenseConfigurationRequest" },
    "output": { "shape": "GetLicenseConfigurationResponse" },
    "errors": [
      { "shape": "InvalidParameterValueException" },
      { "shape": "ServerInternalException" },
      { "shape": "AuthorizationException" },
      { "shape": "AccessDeniedException" },
      { "shape": "RateLimitExceededException" }
    ],
    "documentation": "<p>Returns a detailed description of a license configuration.</p>"
  },
  "GetServiceSettings": {
    "name": "GetServiceSettings",
    "http": {
      "method": "POST",
      "requestUri": "/"
    },
    "input": { "shape": "GetServiceSettingsRequest" },
    "output": { "shape": "GetServiceSettingsResponse" },
    "errors": [
      { "shape": "ServerInternalException" },
      { "shape": "AuthorizationException" },
      { "shape": "AccessDeniedException" },
      { "shape": "RateLimitExceededException" }
    ],
    "documentation": "<p>Gets License Manager settings for a region. Exposes the configured S3 bucket, SNS topic,
etc., for inspection. </p>"
  },
  "ListAssociationsForLicenseConfiguration": {
    "name": "ListAssociationsForLicenseConfiguration",
    "http": {
      "method": "POST",
      "requestUri": "/"
    },
    "input": { "shape": "ListAssociationsForLicenseConfigurationRequest" },
    "output": { "shape": "ListAssociationsForLicenseConfigurationResponse" },
    "errors": [
      { "shape": "InvalidParameterValueException" },
      { "shape": "FilterLimitExceededException" },

```



```

    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists
the resource associations for a license configuration. Resource associations need not consume licenses from a
license configuration. For example, an AMI or a stopped instance may not consume a license (depending on the
license rules). Use this operation to find all resources associated with a license configuration.</p>"
},
"ListLicenseConfigurations":{
  "name":"ListLicenseConfigurations",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseConfigurationsRequest"},
  "output":{"shape":"ListLicenseConfigurationsResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists license configuration objects for an account,
each containing the name, description, license type, and other license terms modeled from a license
agreement.</p>"
},
"ListLicenseSpecificationsForResource":{
  "name":"ListLicenseSpecificationsForResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseSpecificationsForResourceRequest"},
  "output":{"shape":"ListLicenseSpecificationsForResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Returns the license configuration for a resource.</p>"
},
"ListResourceInventory":{

```

```

"name":"ListResourceInventory",
"http":{
  "method":"POST",
  "requestUri":"/"
},
"input":{"shape":"ListResourceInventoryRequest"},
"output":{"shape":"ListResourceInventoryResponse"},
"errors":[
  {"shape":"InvalidParameterValueException"},
  {"shape":"ServerInternalException"},
  {"shape":"FilterLimitExceededException"},
  {"shape":"FailedDependencyException"},
  {"shape":"AuthorizationException"},
  {"shape":"AccessDeniedException"},
  {"shape":"RateLimitExceededException"}
],
"documentation":"<p>Returns a detailed list of resources.</p>"
},
"ListTagsForResource":{
  "name":"ListTagsForResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListTagsForResourceRequest"},
  "output":{"shape":"ListTagsForResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists
tags attached to a resource.</p>"
},
"ListUsageForLicenseConfiguration":{
  "name":"ListUsageForLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListUsageForLicenseConfigurationRequest"},
  "output":{"shape":"ListUsageForLicenseConfigurationResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"ServerInternalException"},

```

```

    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists all license usage records for a license configuration, displaying license consumption
  details by resource at a selected point in time. Use this action to audit the current license consumption for any
  license inventory and configuration.</p>"
},
"TagResource":{
  "name":"TagResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"TagResourceRequest"},
  "output":{"shape":"TagResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Attach one of more tags to any resource.</p>"
},
"UntagResource":{
  "name":"UntagResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UntagResourceRequest"},
  "output":{"shape":"UntagResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Remove
  tags from a resource.</p>"
},
"UpdateLicenseConfiguration":{
  "name":"UpdateLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  }
}

```

```

    },
    "input": {"shape": "UpdateLicenseConfigurationRequest"},
    "output": {"shape": "UpdateLicenseConfigurationResponse"},
    "errors": [
      {"shape": "InvalidParameterValueException"},
      {"shape": "ServerInternalException"},
      {"shape": "AuthorizationException"},
      {"shape": "AccessDeniedException"},
      {"shape": "RateLimitExceededException"}
    ],

```

"documentation": "<p>Modifies the attributes of an existing license configuration object. A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (Instances, cores, sockets, VCPUs), tenancy (shared or Dedicated Host), host affinity (how long a VM is associated with a host), the number of licenses purchased and used.</p>"

```

  },
  "UpdateLicenseSpecificationsForResource": {
    "name": "UpdateLicenseSpecificationsForResource",
    "http": {
      "method": "POST",
      "requestUri": "/"
    },
  },
  "input": {"shape": "UpdateLicenseSpecificationsForResourceRequest"},
  "output": {"shape": "UpdateLicenseSpecificationsForResourceResponse"},
  "errors": [
    {"shape": "InvalidParameterValueException"},
    {"shape": "InvalidResourceStateException"},
    {"shape": "LicenseUsageException"},
    {"shape": "ServerInternalException"},
    {"shape": "AuthorizationException"},
    {"shape": "AccessDeniedException"},
    {"shape": "RateLimitExceededException"}
  ],

```

"documentation": "<p>Adds or removes license configurations for a specified AWS resource. This operation currently supports updating the license specifications of AMIs, instances, and hosts. Launch templates and AWS CloudFormation templates are not managed from this operation as those resources send the license configurations directly to a resource creation operation, such as <code>RunInstances</code>.</p>"

```

  },
  "UpdateServiceSettings": {
    "name": "UpdateServiceSettings",
    "http": {
      "method": "POST",
      "requestUri": "/"
    },
  },
  "input": {"shape": "UpdateServiceSettingsRequest"},
  "output": {"shape": "UpdateServiceSettingsResponse"},
  "errors": [
    {"shape": "InvalidParameterValueException"},

```

```

    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Updates License Manager service settings.</p>"
}
},
"shapes":{
  "AccessDeniedException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>Access to resource denied.</p>",
    "exception":true
  },
  "AuthorizationException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
    "exception":true
  },
  "Boolean":{"type":"boolean"},
  "BoxBoolean":{"type":"boolean"},
  "BoxInteger":{"type":"integer"},
  "BoxLong":{"type":"long"},
  "ConsumedLicenseSummary":{
    "type":"structure",
    "members":{
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>"
      },
      "ConsumedLicenses":{
        "shape":"BoxLong",
        "documentation":"<p>Number of licenses consumed by a resource.</p>"
      }
    },
    "documentation":"<p>Details about license consumption.</p>"
  },
  "ConsumedLicenseSummaryList":{
    "type":"list",
    "member":{"shape":"ConsumedLicenseSummary"}
  },
}

```

```

"CreateLicenseConfigurationRequest":{
  "type":"structure",
  "required":[
    "Name",
    "LicenseCountingType"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Name of the license configuration.</p>"
    },
    "Description":{
      "shape":"String",
      "documentation":"<p>Human-friendly description of the license configuration.</p>"
    },
    "LicenseCountingType":{
      "shape":"LicenseCountingType",
      "documentation":"<p>Dimension to use to track the license inventory.</p>"
    },
    "LicenseCount":{
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses managed by the license configuration.</p>"
    },
    "LicenseCountHardLimit":{
      "shape":"BoxBoolean",
      "documentation":"<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.</p>"
    },
    "LicenseRules":{
      "shape":"StringList",
      "documentation":"<p>Array of configured License Manager rules.</p>"
    },
    "Tags":{
      "shape":"TagList",
      "documentation":"<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>"
    }
  },
  "CreateLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>ARN of the license configuration object after its creation.</p>"
      }
    }
  }
}

```

```

    }
  },
  "DateTime":{"type":"timestamp"},
  "DeleteLicenseConfigurationRequest":{"
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{"
      "LicenseConfigurationArn":{"
        "shape":"String",
        "documentation":"<p>Unique ID of the configuration object to delete.</p>"
      }
    }
  },
  "DeleteLicenseConfigurationResponse":{"
    "type":"structure",
    "members":{"
    }
  },
  "FailedDependencyException":{"
    "type":"structure",
    "members":{"
      "Message":{"shape":"Message"}
    }
  },
  "documentation":"<p>A dependency required to run the API is missing.</p>",
  "exception":true,
  "fault":true
},
"Filter":{"
  "type":"structure",
  "members":{"
    "Name":{"
      "shape":"FilterName",
      "documentation":"<p>Name of the filter. Filter names are case-sensitive.</p>"
    },
    "Values":{"
      "shape":"FilterValues",
      "documentation":"<p>One or more filter values. Filter values are case-sensitive.</p>"
    }
  }
},
"documentation":"<p>A filter name and value pair that is used to return a more specific list of results from a describe operation.
Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs. The filters supported by a <code>Describe</code> operation are documented with the <code>Describe</code> operation.</p>"
},
"FilterLimitExceededException":{"
  "type":"structure",

```

```

"members":{
  "Message":{"shape":"Message"}
},
"documentation":"<p>The request uses too many filters or too many filter values.</p>",
"exception":true
},
"FilterName":{"type":"string"},
"FilterValue":{"type":"string"},
"FilterValues":{
  "type":"list",
  "member":{"shape":"FilterValue"}
},
"Filters":{
  "type":"list",
  "member":{"shape":"Filter"}
},
"GetLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>ARN of the license configuration being requested.</p>"
    }
  }
},
"GetLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurationId":{
      "shape":"String",
      "documentation":"<p>Unique ID for the license configuration.</p>"
    },
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>ARN of the license configuration requested.</p>"
    },
    "Name":{
      "shape":"String",
      "documentation":"<p>Name of the license configuration.</p>"
    },
    "Description":{
      "shape":"String",
      "documentation":"<p>Description of the license configuration.</p>"
    },
    "LicenseCountingType":{
      "shape":"LicenseCountingType",
      "documentation":"<p>Dimension on which the licenses are counted (for example, instances, cores, sockets, or

```



```

VCPUs).</p>"
  },
  "LicenseRules":{
    "shape":"StringList",
    "documentation":"<p>List of flexible
text strings designating license rules.</p>"
  },
  "LicenseCount":{
    "shape":"BoxLong",
    "documentation":"<p>Number of available licenses.</p>"
  },
  "LicenseCountHardLimit":{
    "shape":"BoxBoolean",
    "documentation":"<p>Sets the number of available licenses as a hard limit.</p>"
  },
  "ConsumedLicenses":{
    "shape":"BoxLong",
    "documentation":"<p>Number of licenses assigned to resources.</p>"
  },
  "Status":{
    "shape":"String",
    "documentation":"<p>License configuration status (active, etc.).</p>"
  },
  "OwnerAccountId":{
    "shape":"String",
    "documentation":"<p>Owner account ID for the license configuration.</p>"
  },
  "ConsumedLicenseSummaryList":{
    "shape":"ConsumedLicenseSummaryList",
    "documentation":"<p>List of summaries for consumed licenses used by various resources.</p>"
  },
  "ManagedResourceSummaryList":{
    "shape":"ManagedResourceSummaryList",
    "documentation":"<p>List of summaries of managed resources.</p>"
  },
  "Tags":{
    "shape":"TagList",
    "documentation":"<p>List of tags attached to the license configuration.</p>"
  }
}
},
"GetServiceSettingsRequest":{
  "type":"structure",
  "members":{
  }
},
"GetServiceSettingsResponse":{
  "type":"structure",

```

```

"members":{
  "S3BucketArn":{
    "shape":"String",
    "documentation":"<p>Regional S3 bucket path for storing reports, license trail event data, discovery data,
etc.</p>"
  },
  "SnsTopicArn":{
    "shape":"String",
    "documentation":"<p>SNS topic configured to receive notifications from License Manager.</p>"
  },
  "OrganizationConfiguration":{
    "shape":"OrganizationConfiguration",
    "documentation":"<p>Indicates whether AWS Organizations has
been integrated with License Manager for cross-account discovery.</p>"
  },
  "EnableCrossAccountsDiscovery":{
    "shape":"BoxBoolean",
    "documentation":"<p>Indicates whether cross-account discovery has been enabled.</p>"
  }
}
},
"InvalidParameterValueException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>One or more parameter values are not valid.</p>",
  "exception":true,
  "synthetic":true
},
"InvalidResourceStateException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>License Manager cannot allocate a license to a resource because of its state. </p> <p>For
example, you cannot allocate a license to an instance in the process of shutting down.</p>",
  "exception":true
},
"InventoryFilter":{
  "type":"structure",
  "required":[
    "Name",
    "Condition"
  ],
  "members":{
    "Name":{
      "shape":"String",

```

```

    "documentation": "<p>The name of the filter.</p>"
  },
  "Condition": {
    "shape": "InventoryFilterCondition",
    "documentation": "<p>The condition of the filter.</p>"
  },
  "Value": {
    "shape": "String",
    "documentation": "<p>Value of the filter.</p>"
  }
},
"documentation": "<p>An inventory filter object.</p>"
},
"InventoryFilterCondition": {
  "type": "string",
  "enum": [
    "EQUALS",
    "NOT_EQUALS",
    "BEGINS_WITH",
    "CONTAINS"
  ]
},
"InventoryFilterList": {
  "type": "list",
  "member": { "shape": "InventoryFilter" }
},
"LicenseConfiguration": {
  "type": "structure",
  "members": {
    "LicenseConfigurationId": {
      "shape": "String",
      "documentation": "<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>"
    },
    "LicenseConfigurationArn": {
      "shape": "String",
      "documentation": "<p>ARN of the <code>LicenseConfiguration</code> object.</p>"
    },
    "Name": {
      "shape": "String",
      "documentation": "<p>Name of the license configuration.</p>"
    },
    "Description": {
      "shape": "String",
      "documentation": "<p>Description of the license configuration.</p>"
    },
    "LicenseCountingType": {
      "shape": "LicenseCountingType",
      "documentation": "<p>Dimension to use to track license inventory.</p>"
    }
  }
}

```

```

    },
    "LicenseRules":{
      "shape":"StringList",
      "documentation":"<p>Array of configured License Manager rules.</p>"
    },
    "LicenseCount":{
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses managed by the license configuration.</p>"
    },
    "LicenseCountHardLimit":{
      "shape":"BoxBoolean",
      "documentation":"<p>Sets the number of available
licenses as a hard limit.</p>"
    },
    "ConsumedLicenses":{
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses consumed. </p>"
    },
    "Status":{
      "shape":"String",
      "documentation":"<p>Status of the license configuration.</p>"
    },
    "OwnerAccountId":{
      "shape":"String",
      "documentation":"<p>Account ID of the license configuration's owner.</p>"
    },
    "ConsumedLicenseSummaryList":{
      "shape":"ConsumedLicenseSummaryList",
      "documentation":"<p>List of summaries for licenses consumed by various resources.</p>"
    },
    "ManagedResourceSummaryList":{
      "shape":"ManagedResourceSummaryList",
      "documentation":"<p>List of summaries for managed resources.</p>"
    }
  },
  "documentation":"<p>A license configuration is an abstraction of a customer license agreement that can be
consumed and enforced by License Manager. Components
include specifications for the license type (licensing by instance, socket, CPU, or VCPU), tenancy (shared tenancy,
Amazon EC2 Dedicated Instance, Amazon EC2 Dedicated Host, or any of these), host affinity (how long a VM
must be associated with a host), the number of licenses purchased and used.</p>"
},
"LicenseConfigurationAssociation":{
  "type":"structure",
  "members":{
    "ResourceArn":{
      "shape":"String",
      "documentation":"<p>ARN of the resource associated with the license configuration.</p>"
    }
  }
},

```

```

"ResourceType":{
  "shape":"ResourceType",
  "documentation":"<p>Type of server resource.</p>"
},
"ResourceOwnerId":{
  "shape":"String",
  "documentation":"<p>ID of the AWS account that owns the resource consuming licenses.</p>"
},
"AssociationTime":{
  "shape":"DateTime",
  "documentation":"<p>Time when the license configuration was associated with
the resource.</p>"
}
},
"documentation":"<p>Describes a server resource that is associated with a license configuration.</p>"
},
"LicenseConfigurationAssociations":{
  "type":"list",
  "member":{"shape":"LicenseConfigurationAssociation"}
},
"LicenseConfigurationStatus":{
  "type":"string",
  "enum":[
    "AVAILABLE",
    "DISABLED"
  ]
},
"LicenseConfigurationUsage":{
  "type":"structure",
  "members":{
    "ResourceArn":{
      "shape":"String",
      "documentation":"<p>ARN of the resource associated with a license configuration.</p>"
    },
    "ResourceType":{
      "shape":"ResourceType",
      "documentation":"<p>Type of resource associated with a the license configuration.</p>"
    },
    "ResourceStatus":{
      "shape":"String",
      "documentation":"<p>Status of a resource associated with the license configuration.</p>"
    },
    "ResourceOwnerId":{
      "shape":"String",
      "documentation":"<p>ID of the account that owns a resource that is associated with the license
configuration.</p>"
    },
    "AssociationTime":{

```

```

    "shape": "DateTime",
    "documentation": "<p>Time when the license configuration was initially associated with a resource.</p>"
  },
  "ConsumedLicenses": {
    "shape": "BoxLong",
    "documentation": "<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>"
  }
},
"documentation": "<p>Contains details of the usage of each resource from the license pool.</p>"
},
"LicenseConfigurationUsageList": {
  "type": "list",
  "member": { "shape": "LicenseConfigurationUsage" }
},
"LicenseConfigurations": {
  "type": "list",
  "member": { "shape": "LicenseConfiguration" }
},
"LicenseCountingType": {
  "type": "string",
  "enum": [
    "vCPU",
    "Instance",
    "Core",
    "Socket"
  ]
},
"LicenseSpecification": {
  "type": "structure",
  "required": ["LicenseConfigurationArn"],
  "members": {
    "LicenseConfigurationArn": {
      "shape": "String",
      "documentation": "<p>ARN of the <code>LicenseConfiguration</code> object.</p>"
    }
  }
},
"documentation": "<p>Object used for associating a license configuration with a resource.</p>"
},
"LicenseSpecifications": {
  "type": "list",
  "member": { "shape": "LicenseSpecification" }
},
"LicenseUsageException": {
  "type": "structure",
  "members": {
    "Message": { "shape": "Message" }
  }
},

```

```

"documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
"exception": true
},
"ListAssociationsForLicenseConfigurationRequest": {
  "type": "structure",
  "required": ["LicenseConfigurationArn"],
  "members": {
    "LicenseConfigurationArn": {
      "shape": "String",
      "documentation": "<p>ARN of a <code>LicenseConfiguration</code> object.</p>"
    },
    "MaxResults": {
      "shape": "BoxInteger",
      "documentation": "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>"
    },
    "NextToken": {
      "shape": "String",
      "documentation": "<p>Token for the next set of results.</p>"
    }
  }
},
"ListAssociationsForLicenseConfigurationResponse": {
  "type": "structure",
  "members": {
    "LicenseConfigurationAssociations": {
      "shape": "LicenseConfigurationAssociations",
      "documentation": "<p>Lists association objects for the license configuration, each containing the association
time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size,
and resource type.</p>"
    },
    "NextToken": {
      "shape": "String",
      "documentation": "<p>Token for the next set of results.</p>"
    }
  }
},
"ListLicenseConfigurationsRequest": {
  "type": "structure",
  "members": {
    "LicenseConfigurationArns": {
      "shape": "StringList",
      "documentation": "<p>An array of ARNs for the calling accounts license configurations.</p>"
    },
    "MaxResults": {
      "shape": "BoxInteger",
      "documentation": "<p>Maximum number of results to return in a single call. To retrieve the remaining results,

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make another call with the returned `NextToken` value.

```
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    },
    "Filters":{
      "shape":"Filters",
      "documentation":"<p>One or more filters.</p>"
    }
  }
},
"ListLicenseConfigurationsResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurations":{
      "shape":"LicenseConfigurations",
      "documentation":"<p>Array of license configuration objects.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListLicenseSpecificationsForResourceRequest":{
  "type":"structure",
  "required":["ResourceArn"],
  "members":{
    "ResourceArn":{
      "shape":"String",
      "documentation":"<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>"
    },
    "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned NextToken value.</p>"
    }
  }
},
"ListLicenseSpecificationsForResourceResponse":{
  "type":"structure",
```



```

"members":{
  "LicenseSpecifications":{
    "shape":"LicenseSpecifications",
    "documentation":"<p>License configurations associated with a resource.</p>"
  },
  "NextToken":{
    "shape":"String",
    "documentation":"<p>Token for the next set of results.</p>"
  }
}
},
"ListResourceInventoryRequest":{
  "type":"structure",
  "members":{
    "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    },
    "Filters":{
      "shape":"InventoryFilterList",
      "documentation":"<p>One or more filters.</p>"
    }
  }
},
"ListResourceInventoryResponse":{
  "type":"structure",
  "members":{
    "ResourceInventoryList":{
      "shape":"ResourceInventoryList",
      "documentation":"<p>The detailed list of resources.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListTagsForResourceRequest":{
  "type":"structure",
  "required":["ResourceArn"],
  "members":{
    "ResourceArn":{
      "shape":"String",

```

```

    "documentation": "<p>ARN for the resource.</p>"
  }
}
},
"ListTagsForResourceResponse": {
  "type": "structure",
  "members": {
    "Tags": {
      "shape": "TagList",
      "documentation": "<p>List of tags attached to the resource.</p>"
    }
  }
},
"ListUsageForLicenseConfigurationRequest": {
  "type": "structure",
  "required": ["LicenseConfigurationArn"],
  "members": {
    "LicenseConfigurationArn": {
      "shape": "String",
      "documentation": "<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>"
    },
    "MaxResults": {
      "shape": "BoxInteger",
      "documentation": "<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>"
    },
    "NextToken": {
      "shape": "String",
      "documentation": "<p>Token for the next set of results.</p>"
    },
    "Filters": {
      "shape": "Filters",
      "documentation": "<p>List of filters to apply.</p>"
    }
  }
},
"ListUsageForLicenseConfigurationResponse": {
  "type": "structure",
  "members": {
    "LicenseConfigurationUsageList": {
      "shape": "LicenseConfigurationUsageList",
      "documentation": "<p>An array of <code>LicenseConfigurationUsage</code> objects.</p>"
    },
    "NextToken": {
      "shape": "String",
      "documentation": "<p>Token for the next set of results.</p>"
    }
  }
}

```

```

    }
  },
  "ManagedResourceSummary":{
    "type":"structure",
    "members":{
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of resource associated with a license (instance, host, or AMI).</p>"
      },
      "AssociationCount":{
        "shape":"BoxLong",
        "documentation":"<p>Number of resources associated with licenses.</p>"
      }
    }
  },
  "documentation":"<p>Summary for a resource.</p>"
},
"ManagedResourceSummaryList":{
  "type":"list",
  "member":{"shape":"ManagedResourceSummary"}
},
"Message":{"type":"string"},
"OrganizationConfiguration":{
  "type":"structure",
  "required":["EnableIntegration"],
  "members":{
    "EnableIntegration":{
      "shape":"Boolean",
      "documentation":"<p>Flag to activate AWS Organization
integration.</p>"
    }
  }
},
"documentation":"<p>Object containing configuration information for AWS Organizations.</p>"
},
"RateLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  }
},
"documentation":"<p>Too many requests have been submitted. Try again after a brief wait.</p>",
"exception":true
},
"ResourceInventory":{
  "type":"structure",
  "members":{
    "ResourceId":{
      "shape":"String",
      "documentation":"<p>Unique ID of the resource.</p>"
    }
  }
},

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```

"ResourceType":{
  "shape":"ResourceType",
  "documentation":"<p>The type of resource.</p>"
},
"ResourceArn":{
  "shape":"String",
  "documentation":"<p>The ARN of the resource.</p>"
},
"Platform":{
  "shape":"String",
  "documentation":"<p>The platform of the resource.</p>"
},
"PlatformVersion":{
  "shape":"String",
  "documentation":"<p>Platform version of the resource in the inventory.</p>"
},
"ResourceOwningAccountId":{
  "shape":"String",
  "documentation":"<p>Unique ID of the account that owns the resource.</p>"
}
},
"documentation":"<p>A set of attributes that describe a resource.</p>"
},
"ResourceInventoryList":{
  "type":"list",
  "member":{"shape":"ResourceInventory"}
},
"ResourceLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>Your resource limits have been exceeded.</p>",
  "exception":true
},
"ResourceType":{
  "type":"string",
  "enum":[
    "EC2_INSTANCE",
    "EC2_HOST",
    "EC2_AMI"
  ]
},
"ServerInternalException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
}

```

```

"documentation": "<p>The
server experienced an internal error. Try again.</p>",
"exception": true,
"fault": true
},
"String": { "type": "string" },
"StringList": {
"type": "list",
"member": { "shape": "String" }
},
"Tag": {
"type": "structure",
"members": {
"Key": {
"shape": "String",
"documentation": "<p>Key for the resource tag.</p>"
},
"Value": {
"shape": "String",
"documentation": "<p>Value for the resource tag.</p>"
}
}
},
"documentation": "<p>Tag for a resource in a key-value format.</p>"
},
"TagKeyList": {
"type": "list",
"member": { "shape": "String" }
},
"TagList": {
"type": "list",
"member": { "shape": "Tag" }
},
"TagResourceRequest": {
"type": "structure",
"required": [
"ResourceArn",
"Tags"
],
"members": {
"ResourceArn": {
"shape": "String",
"documentation": "<p>Resource of the ARN to
be tagged.</p>"
},
"Tags": {
"shape": "TagList",
"documentation": "<p>Names of the tags to attach to the resource.</p>"
}
}
}

```

```

    }
  },
  "TagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UntagResourceRequest":{
    "type":"structure",
    "required":[
      "ResourceArn",
      "TagKeys"
    ],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>ARN of the resource.</p>"
      },
      "TagKeys":{
        "shape":"TagKeyList",
        "documentation":"<p>List keys identifying tags to remove.</p>"
      }
    }
  },
  "UntagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UpdateLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>ARN for
a license configuration.</p>"
      },
      "LicenseConfigurationStatus":{
        "shape":"LicenseConfigurationStatus",
        "documentation":"<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>"
      },
      "LicenseRules":{
        "shape":"StringList",
        "documentation":"<p>List of flexible text strings designating license rules.</p>"
      },
      "LicenseCount":{

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    "shape": "BoxLong",
    "documentation": "<p>New number of licenses managed by the license configuration.</p>"
  },
  "LicenseCountHardLimit": {
    "shape": "BoxBoolean",
    "documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
  },
  "Name": {
    "shape": "String",
    "documentation": "<p>New name of the license configuration.</p>"
  },
  "Description": {
    "shape": "String",
    "documentation": "<p>New human-friendly description of the
license configuration.</p>"
  }
},
"UpdateLicenseConfigurationResponse": {
  "type": "structure",
  "members": {
  }
},
"UpdateLicenseSpecificationsForResourceRequest": {
  "type": "structure",
  "required": ["ResourceArn"],
  "members": {
    "ResourceArn": {
      "shape": "String",
      "documentation": "<p>ARN for an AWS server resource.</p>"
    },
    "AddLicenseSpecifications": {
      "shape": "LicenseSpecifications",
      "documentation": "<p>License configuration ARNs to be added to a resource.</p>"
    },
    "RemoveLicenseSpecifications": {
      "shape": "LicenseSpecifications",
      "documentation": "<p>License configuration ARNs to be removed from a resource.</p>"
    }
  }
},
"UpdateLicenseSpecificationsForResourceResponse": {
  "type": "structure",
  "members": {
  }
},
"UpdateServiceSettingsRequest": {
  "type": "structure",

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```

"members":{

"S3BucketArn":{
  "shape":"String",
  "documentation":"<p>ARN of the Amazon S3 bucket where License Manager information is stored.</p>"
},
"SnsTopicArn":{
  "shape":"String",
  "documentation":"<p>ARN of the Amazon SNS topic used for License Manager alerts.</p>"
},
"OrganizationConfiguration":{
  "shape":"OrganizationConfiguration",
  "documentation":"<p>Integrates AWS Organizations with License Manager for cross-account discovery.</p>"
},
"EnableCrossAccountsDiscovery":{
  "shape":"BoxBoolean",
  "documentation":"<p>Activates cross-account discovery.</p>"
}
},
"UpdateServiceSettingsResponse":{
  "type":"structure",
  "members":{
  }
},
"documentation":"<fullname> AWS License Manager </fullname> <p> <i>This is the AWS License Manager API Reference.</i> It provides descriptions, syntax, and usage examples for each of the actions and data types for License Manager. The topic for each action shows the Query API request parameters and the XML response. You can also view the XML request elements in the WSDL. </p> <p> Alternatively, you can use one of the AWS SDKs to access an API that's tailored to the programming language or platform that you're using. For more information, see <a href=\"http://aws.amazon.com/tools/#SDKs\">AWS SDKs</a>. </p>"
}
{
"customizationConfig" : {
"additionalShapeConstructors" : null,
"authPolicyActions" : {
"actionPrefix" : null,
"additionalOperations" : null,
"fileNamePrefix" : null,
"skip" : true
},
"calculateCRC32FromCompressedData" : false,
"contentTypeOverride" : null,
"convenienceTypeOverloads" : [ ],
"customClientConfigFactory" : null,
"customCodeTemplates" : null,
"customErrorCodeFieldName" : null,

```



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"customExceptionUnmarshallerImpl" : null,
"customFileHeader" : null,
"customResponseHandlerFqcn" : null,
"customResponseMetadataClassName" : null,
"customServiceMetadata" : null,
"customServiceNameForRequest" : null,
"customSignerProvider" : null,
"deprecatedSuppressions" : [ "ClientMutationMethods", "ClientConstructors", "EnumSetterOverload" ],
"emitLegacyEnumSetterFor" : null,
"operationModifiers" : null,
"operationsWithResponseStreamContentLengthValidation" : null,
"presignersFqcn" : null,
"renameShapes" : null,
"requestMetrics" : null,
"requiredParamValidationEnabled" : false,
"sdkModeledExceptionBaseClassName" : null,
"sendEmptyAutoConstructedListAsEmptyList" : null,
"sendExplicitlyEmptyListsForQuery" : false,
"serviceClientHoldInputStream" : false,
"shapeModifiers" : null,
"shapeSubstitutions" : null,
"simpleMethods" : null,
"skipClientMethodForOperations" : [ ],
"skipInterfaceAdditions" : false,
"skipSmokeTests" : true,
"transformDirectory" : "transform",
"useAutoConstructList" : false,
"useAutoConstructMap" : false,
"useUIdAsFilePrefix" : true
},
"metadata" : {
  "apiVersion" : "2018-08-01",
  "asyncClient" : "AWSLicenseManagerAsyncClient",
  "asyncClientBuilderClassName" : "AWSLicenseManagerAsyncClientBuilder",
  "asyncInterface" : "AWSLicenseManagerAsync",
  "cborProtocol" : false,
  "checksumFormat" : null,
  "contentType" : null,
  "cucumberModuleInjectorClassName" : "AWSLicenseManagerModuleInjector",
  "defaultEndpoint" : "license-manager.us-east-1.amazonaws.com",
  "defaultEndpointWithoutHttpProtocol" : "license-manager.us-east-1.amazonaws.com",
  "defaultRegion" : null,
  "documentation" : "<fullname> AWS License Manager </fullname> <p> <i>This is the AWS License Manager API Reference.</i> It provides descriptions, syntax, and usage examples for each of the actions and data types for License Manager. The topic for each action shows the Query API request parameters and the XML response. You can also view the XML request elements in the WSDL. </p> <p> Alternatively, you can use one of the AWS SDKs to access an API that's tailored to the programming language or platform that you're using. For more information, see <a href=\"http://aws.amazon.com/tools/#SDKs\">AWS SDKs</a>. </p>",

```

```

"endpointPrefix" : "license-manager",
"hasApiWithStreamInput" : false,
"ionProtocol" : false,
"jsonProtocol" : true,
"jsonVersion" : "1.1",
"packageName"
: "com.amazonaws.services.licensemanager",
"packagePath" : "com/amazonaws/services/licensemanager",
"protocol" : "json",
"protocolDefaultExceptionUnmarshallerImpl" : null,
"protocolFactory" : "com.amazonaws.protocol.json.SdkJsonProtocolFactory",
"requestBaseFqn" : "com.amazonaws.AmazonWebServiceRequest",
"requiresApiKey" : false,
"requiresIamSigners" : false,
"serviceAbbreviation" : null,
"serviceFullName" : "AWS License Manager",
"serviceId" : "License Manager",
"serviceName" : "AWS License Manager",
"signingName" : "license-manager",
"smokeTestsPackageName" : "com.amazonaws.services.licensemanager.smoketests",
"syncClient" : "AWSLicenseManagerClient",
"syncClientBuilderClassName" : "AWSLicenseManagerClientBuilder",
"syncInterface" : "AWSLicenseManager",
"uid" : "license-manager-2018-08-01",
"unmarshallerClassSuffix" : "JsonUnmarshaller",
"unmarshallerContextClassName" : "JsonUnmarshallerContext",

"xmlProtocol" : false
},
"operations" : {
  "CreateLicenseConfiguration" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CreateLicenseConfigurationResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CreateLicenseConfigurationResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateLicenseConfigurationRequest,
CreateLicenseConfigurationResult>",
    "asyncReturnType" : "CreateLicenseConfigurationResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Creates a new license configuration object. A license configuration is an abstraction of a
customer license agreement that can be consumed and enforced by License Manager. Components include
specifications for the license type (licensing by instance, socket, CPU, or VCPU), tenancy (shared tenancy, Amazon
EC2 Dedicated Instance, Amazon EC2 Dedicated Host, or any of these), host affinity (how long a VM must be
associated with a host), the number
of licenses purchased and used.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [ {

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"exceptionName" : "InvalidParameterValueException",
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"documentation" : "<p>The server experienced an internal error. Try again.</p>",
"httpStatusCode" : null
}, {
"exceptionName" : "ResourceLimitExceededException",
"documentation" : "<p>Your resource limits have been exceeded.</p>",
"httpStatusCode" : null
}, {
"exceptionName" : "AuthorizationException",
"documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
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"documentation" : "<p>Access to resource denied.</p>",
"httpStatusCode" : null
}, {
"exceptionName" : "RateLimitExceededException",
"documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
"httpStatusCode" : null
}
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"variableSetterType" : "CreateLicenseConfigurationRequest"
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"inputStreamPropertyName" : null,
"methodName" : "createLicenseConfiguration",
"operationName" : "CreateLicenseConfiguration",
"returnType" : {
"returnType"
: "CreateLicenseConfigurationResult",
"documentation" : null
},
"syncReturnType" : "CreateLicenseConfigurationResult"
},
"DeleteLicenseConfiguration" : {
"asyncCallableType" : "java.util.concurrent.Callable<DeleteLicenseConfigurationResult>",

```

```

"asyncFutureType" : "java.util.concurrent.Future<DeleteLicenseConfigurationResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteLicenseConfigurationRequest,
DeleteLicenseConfigurationResult>",
"asyncReturnType" : "DeleteLicenseConfigurationResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes an existing license configuration. This action fails if the configuration is in
use.</p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
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  "statusCode" : null
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  "documentation" : "<p>The server experienced an internal error. Try again.</p>",
  "statusCode" : null
}, {
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  "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "AccessDeniedException",
  "documentation" : "<p>Access to resource denied.</p>",
  "statusCode" : null
}, {
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  "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
  "statusCode" : null
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  "variableType" : "DeleteLicenseConfigurationRequest",
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  "variableSetterType" : "DeleteLicenseConfigurationRequest"
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"methodName" : "deleteLicenseConfiguration",

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"operationName" : "DeleteLicenseConfiguration",
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  "documentation" : null
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"syncReturnType" : "DeleteLicenseConfigurationResult"
},
"GetLicenseConfiguration" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetLicenseConfigurationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetLicenseConfigurationResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetLicenseConfigurationRequest,
GetLicenseConfigurationResult>",
  "asyncReturnType" : "GetLicenseConfigurationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns a detailed description of a license configuration.</p>",
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  "endpointOperation" : false,
  "endpointTrait" : null,
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    "httpStatusCode" : null
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    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
    "httpStatusCode" : null
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    "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
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    "documentation" : "<p>Access to resource denied.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "RateLimitExceededException",
    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
    "httpStatusCode" : null
  }
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  "input" : {
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    "variableName" : "getLicenseConfigurationRequest",

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    "variableSetterType" : "GetLicenseConfigurationRequest"
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  "operationName" : "GetLicenseConfiguration",
  "returnType" : {
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    "GetLicenseConfigurationResult",
    "documentation" : null
  },
  "syncReturnType" : "GetLicenseConfigurationResult"
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"GetServiceSettings" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetServiceSettingsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetServiceSettingsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetServiceSettingsRequest,
GetServiceSettingsResult>",
  "asyncReturnType" : "GetServiceSettingsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Gets License Manager settings for a region. Exposes the configured S3 bucket, SNS
topic, etc., for inspection. </p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
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    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
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: null
  }, {
    "exceptionName" : "AuthorizationException",
    "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "AccessDeniedException",
    "documentation" : "<p>Access to resource denied.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "RateLimitExceededException",
    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
    "httpStatusCode" : null
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  "variableSetterType" : "GetServiceSettingsRequest"
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  "documentation" : null
},
"syncReturnType" : "GetServiceSettingsResult"
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  "asyncCallableType" : "java.util.concurrent.Callable<ListAssociationsForLicenseConfigurationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ListAssociationsForLicenseConfigurationResult>",
  "asyncHandlerType" :
"com.amazonaws.handlers.AsyncHandler<ListAssociationsForLicenseConfigurationRequest,
ListAssociationsForLicenseConfigurationResult>",
  "asyncReturnType" : "ListAssociationsForLicenseConfigurationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Lists the resource associations
for a license configuration. Resource associations need not consume licenses from a license configuration. For
example, an AMI or a stopped instance may not consume a license (depending on the license rules). Use this
operation to find all resources associated with a license configuration.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
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    "documentation" : "<p>One or more parameter values are not valid.</p>",
    "httpStatusCode" : null
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    "exceptionName" : "FilterLimitExceededException",
    "documentation" : "<p>The request uses too many filters or too many filter values.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ServerInternalException",
    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
    "httpStatusCode" : null
  }, {

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    "exceptionName"
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policy associated with this account.</p>",
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    "documentation" : "<p>Access to resource denied.</p>",
    "statusCode" : null
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    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
    "statusCode" : null
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    "variableName" : "listAssociationsForLicenseConfigurationRequest",
    "variableType" : "ListAssociationsForLicenseConfigurationRequest",
    "documentation" : "",

"simpleType" : "ListAssociationsForLicenseConfigurationRequest",
    "variableSetterType" : "ListAssociationsForLicenseConfigurationRequest"
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"methodName" : "listAssociationsForLicenseConfiguration",
"operationName" : "ListAssociationsForLicenseConfiguration",
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    "documentation" : null
},
"syncReturnType" : "ListAssociationsForLicenseConfigurationResult"
},
"ListLicenseConfigurations" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ListLicenseConfigurationsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ListLicenseConfigurationsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ListLicenseConfigurationsRequest,
ListLicenseConfigurationsResult>",
    "asyncReturnType" : "ListLicenseConfigurationsResult",
    "authenticated" : true,
    "deprecated"
: false,
    "documentation" : "<p>Lists license configuration objects for an account, each containing the name, description,
license type, and other license terms modeled from a license agreement.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,

```



```

"endpointTrait" : null,
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  "documentation" : "<p>The server experienced an internal error. Try again.</p>",
  "statusCode" : null
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  "documentation" : "<p>The request uses too many filters or too many filter values.</p>",
  "statusCode" : null
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  "documentation" : "<p>The AWS user account
does not have permission to perform the action. Check the IAM policy associated with this account.</p>",
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  "documentation" : "<p>Access to resource denied.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "RateLimitExceededException",
  "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
  "statusCode" : null
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  "variableType" : "ListLicenseConfigurationsRequest",
  "documentation" : "",
  "simpleType" : "ListLicenseConfigurationsRequest",
  "variableSetterType" : "ListLicenseConfigurationsRequest"
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"inputStreamPropertyName" : null,
"methodName" : "listLicenseConfigurations",
"operationName" : "ListLicenseConfigurations",
"returnType" : {
  "returnType" : "ListLicenseConfigurationsResult",
  "documentation" : null
},
"syncReturnType" : "ListLicenseConfigurationsResult"
},
"ListLicenseSpecificationsForResource" : {

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```

"asyncCallableType" : "java.util.concurrent.Callable<ListLicenseSpecificationsForResourceResult>",
"asyncFutureType" : "java.util.concurrent.Future<ListLicenseSpecificationsForResourceResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ListLicenseSpecificationsForResourceRequest,
ListLicenseSpecificationsForResourceResult>",
"asyncReturnType" : "ListLicenseSpecificationsForResourceResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Returns the license configuration for a resource.</p>",
"endpointDiscovery" : null,
"endpointOperation"
: false,
"endpointTrait" : null,
"exceptions" : [ {
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  "documentation" : "<p>The server experienced an internal error. Try again.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "AuthorizationException",
  "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
  "statusCode" : null
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  "exceptionName" : "AccessDeniedException",
  "documentation" : "<p>Access to resource denied.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "RateLimitExceededException",
  "documentation" : "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
  "statusCode" : null
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"input" : {
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  "documentation" : "",
  "simpleType" : "ListLicenseSpecificationsForResourceRequest",
  "variableSetterType" : "ListLicenseSpecificationsForResourceRequest"
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"methodName" : "listLicenseSpecificationsForResource",

```

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"operationName" : "ListLicenseSpecificationsForResource",
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  "documentation" : null
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"syncReturnType" : "ListLicenseSpecificationsForResourceResult"
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: {
  "asyncCallableType" : "java.util.concurrent.Callable<ListResourceInventoryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ListResourceInventoryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ListResourceInventoryRequest,
ListResourceInventoryResult>",
  "asyncReturnType" : "ListResourceInventoryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns a detailed list of resources.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "InvalidParameterValueException",
    "documentation" : "<p>One or more parameter values are not valid.</p>",
    "statusCode" : null
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    "exceptionName" : "ServerInternalException",
    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
    "statusCode" : null
  }, {
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: "FilterLimitExceededException",
    "documentation" : "<p>The request uses too many filters or too many filter values.</p>",
    "statusCode" : null
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    "exceptionName" : "FailedDependencyException",
    "documentation" : "<p>A dependency required to run the API is missing.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "AuthorizationException",
    "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
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    "exceptionName" : "AccessDeniedException",
    "documentation" : "<p>Access to resource denied.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "RateLimitExceededException",

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```

    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
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    "variableType" : "ListResourceInventoryRequest",
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    "simpleType" : "ListResourceInventoryRequest",
    "variableSetterType" : "ListResourceInventoryRequest"
  },
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  "methodName" : "listResourceInventory",
  "operationName" : "ListResourceInventory",
  "returnType" : {
    "returnType" : "ListResourceInventoryResult",
    "documentation" : null
  },
  "syncReturnType" : "ListResourceInventoryResult"
},
"ListTagsForResource" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ListTagsForResourceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ListTagsForResourceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ListTagsForResourceRequest,
ListTagsForResourceResult>",
  "asyncReturnType" : "ListTagsForResourceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Lists tags attached to a resource.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
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    "documentation" : "<p>One or more parameter values are not valid.</p>",
    "statusCode" : null
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    "exceptionName" : "ServerInternalException",
    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "AuthorizationException",
    "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",

```

```

    "statusCode" : null
  }, {
    "exceptionName" : "AccessDeniedException",
    "documentation" : "<p>Access to resource denied.</p>",
    "statusCode" : null
  }, {
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    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
    "statusCode" : null
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  "hostPrefixProcessor" : null,
  "input" : {
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    "variableType" : "ListTagsForResourceRequest",
    "documentation" : "",
    "simpleType" : "ListTagsForResourceRequest",
    "variableSetterType" : "ListTagsForResourceRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "listTagsForResource",
  "operationName" : "ListTagsForResource",
  "returnType" : {
    "returnType" : "ListTagsForResourceResult",
    "documentation" : null
  },
  "syncReturnType" : "ListTagsForResourceResult"
},
"ListUsageForLicenseConfiguration" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ListUsageForLicenseConfigurationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ListUsageForLicenseConfigurationResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ListUsageForLicenseConfigurationRequest,
ListUsageForLicenseConfigurationResult>",
  "asyncReturnType" : "ListUsageForLicenseConfigurationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Lists all license usage records for a license configuration, displaying license consumption
details by resource at a selected point in time. Use this action to audit the current license consumption for any
license inventory and configuration.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait"
: null,
  "exceptions" : [ {
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```

```

    "documentation" : "<p>One or more parameter values are not valid.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "FilterLimitExceededException",
    "documentation" : "<p>The request uses too many filters or too many filter values.</p>",
    "statusCode" : null
  }, {
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    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "AuthorizationException",
    "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
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    "documentation" : "<p>Access to resource denied.</p>",
    "statusCode" :
null
  }, {
    "exceptionName" : "RateLimitExceededException",
    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
    "statusCode" : null
  } ],
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  "hostPrefixProcessor" : null,
  "input" : {
    "timestampFormat" : null,
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    "variableName" : "listUsageForLicenseConfigurationRequest",
    "variableType" : "ListUsageForLicenseConfigurationRequest",
    "documentation" : "",
    "simpleType" : "ListUsageForLicenseConfigurationRequest",
    "variableSetterType" : "ListUsageForLicenseConfigurationRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "listUsageForLicenseConfiguration",
  "operationName" : "ListUsageForLicenseConfiguration",
  "returnType" : {
    "returnType" : "ListUsageForLicenseConfigurationResult",
    "documentation"
: null
  },
  "syncReturnType" : "ListUsageForLicenseConfigurationResult"
},
"TagResource" : {
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```

```

"asyncFutureType" : "java.util.concurrent.Future<TagResourceResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<TagResourceRequest, TagResourceResult>",
"asyncReturnType" : "TagResourceResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Attach one of more tags to any resource.</p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
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  "documentation" : "<p>One or more parameter values are not valid.</p>",
  "statusCode" : null
}, {
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  "documentation" : "<p>The server experienced an internal error. Try again.</p>",
  "statusCode" : null
}, {
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  "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
  "statusCode" : null
}, {
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  "documentation" : "<p>Access to resource denied.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "RateLimitExceededException",
  "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
  "statusCode" : null
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  "documentation" : "",
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  "variableSetterType" : "TagResourceRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "tagResource",
"operationName" : "TagResource",
"returnType" : {
  "returnType" : "TagResourceResult",

```

```

    "documentation" : null
  },
  "syncReturnType" : "TagResourceResult"
},
"UntagResource" : {
  "asyncCallableType" : "java.util.concurrent.Callable<UntagResourceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<UntagResourceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UntagResourceRequest,
UntagResourceResult>",
  "asyncReturnType" : "UntagResourceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Remove tags from a resource.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "InvalidParameterValueException",
    "documentation" : "<p>One or more parameter values are not valid.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "ServerInternalException",
    "documentation" : "<p>The server experienced an internal error. Try again.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "AuthorizationException",
    "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "AccessDeniedException",
    "documentation" : "<p>Access to resource denied.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "RateLimitExceededException",
    "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
    "statusCode" : null
  }
  ],
  "hasBlobMemberAsPayload" : false,
  "hostPrefixProcessor" : null,
  "input" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "UntagResourceRequest",
    "variableName" : "untagResourceRequest",
    "variableType" : "UntagResourceRequest",
    "documentation" : "",
    "simpleType" : "UntagResourceRequest",
    "variableSetterType" : "UntagResourceRequest"
  }
}

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    },
    "inputStreamPropertyName" : null,
    "methodName" : "untagResource",
    "operationName" : "UntagResource",
    "returnType" : {
        "returnType" : "UntagResourceResult",
        "documentation" : null
    },
    "syncReturnType" : "UntagResourceResult"
},
"UpdateLicenseConfiguration" : {
    "asyncCallableType" : "java.util.concurrent.Callable<UpdateLicenseConfigurationResult>",
    "asyncFutureType" : "java.util.concurrent.Future<UpdateLicenseConfigurationResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UpdateLicenseConfigurationRequest,
UpdateLicenseConfigurationResult>",
    "asyncReturnType"
: "UpdateLicenseConfigurationResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Modifies the attributes of an existing license configuration object. A license
configuration is an abstraction of a customer license agreement that can be consumed and enforced by License
Manager. Components include specifications for the license type (Instances, cores, sockets, VCPUs), tenancy
(shared or Dedicated Host), host affinity (how long a VM is associated with a host), the number of licenses
purchased and used.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [ {
        "exceptionName" : "InvalidParameterValueException",
        "documentation" : "<p>One or more parameter values are not valid.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "ServerInternalException",
        "documentation" : "<p>The server experienced an internal error.
Try again.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "AuthorizationException",
        "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "AccessDeniedException",
        "documentation" : "<p>Access to resource denied.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "RateLimitExceededException",
        "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",

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    "statusCode" : null
  } ],
  "hasBlobMemberAsPayload" : false,
  "hostPrefixProcessor" : null,
  "input" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "UpdateLicenseConfigurationRequest",
    "variableName" : "updateLicenseConfigurationRequest",
    "variableType" : "UpdateLicenseConfigurationRequest",

    "documentation" : "",
    "simpleType" : "UpdateLicenseConfigurationRequest",
    "variableSetterType" : "UpdateLicenseConfigurationRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "updateLicenseConfiguration",
  "operationName" : "UpdateLicenseConfiguration",
  "returnType" : {
    "returnType" : "UpdateLicenseConfigurationResult",
    "documentation" : null
  },
  "syncReturnType" : "UpdateLicenseConfigurationResult"
},
"UpdateLicenseSpecificationsForResource" : {
  "asyncCallableType" : "java.util.concurrent.Callable<UpdateLicenseSpecificationsForResourceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<UpdateLicenseSpecificationsForResourceResult>",
  "asyncHandlerType" :
"com.amazonaws.handlers.AsyncHandler<UpdateLicenseSpecificationsForResourceRequest,
UpdateLicenseSpecificationsForResourceResult>",
  "asyncReturnType" : "UpdateLicenseSpecificationsForResourceResult",
  "authenticated"
: true,
  "deprecated" : false,
  "documentation" : "<p>Adds or removes license configurations for a specified AWS resource. This operation
currently supports updating the license specifications of AMIs, instances, and hosts. Launch templates and AWS
CloudFormation templates are not managed from this operation as those resources send the license configurations
directly to a resource creation operation, such as <code>RunInstances</code>.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "InvalidParameterValueException",
    "documentation" : "<p>One or more parameter values are not valid.</p>",
    "statusCode" : null
  }, {
    "exceptionName" : "InvalidResourceStateException",
    "documentation" : "<p>License Manager cannot allocate a license to a resource because of its state. </p>
<p>For example, you cannot allocate a license to an instance

```

```

in the process of shutting down.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "LicenseUsageException",
  "documentation" : "<p>You do not have enough licenses available to support a new resource launch.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "ServerInternalException",
  "documentation" : "<p>The server experienced an internal error. Try again.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "AuthorizationException",
  "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "AccessDeniedException",
  "documentation" : "<p>Access to resource denied.</p>",
  "statusCode" : null
}, {
  "exceptionName" : "RateLimitExceededException",
  "documentation" : "<p>Too many requests have been
submitted. Try again after a brief wait.</p>",
  "statusCode" : null
} ],
"hasBlobMemberAsPayload" : false,
"hostPrefixProcessor" : null,
"input" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateLicenseSpecificationsForResourceRequest",
  "variableName" : "updateLicenseSpecificationsForResourceRequest",
  "variableType" : "UpdateLicenseSpecificationsForResourceRequest",
  "documentation" : "",
  "simpleType" : "UpdateLicenseSpecificationsForResourceRequest",
  "variableSetterType" : "UpdateLicenseSpecificationsForResourceRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "updateLicenseSpecificationsForResource",
"operationName" : "UpdateLicenseSpecificationsForResource",
"returnType" : {
  "returnType" : "UpdateLicenseSpecificationsForResourceResult",
  "documentation" : null
},
"syncReturnType" : "UpdateLicenseSpecificationsForResourceResult"
},
"UpdateServiceSettings" : {
  "asyncCallableType" : "java.util.concurrent.Callable<UpdateServiceSettingsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<UpdateServiceSettingsResult>",

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"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UpdateServiceSettingsRequest,
UpdateServiceSettingsResult>",
"asyncReturnType" : "UpdateServiceSettingsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Updates License Manager service settings.</p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
  "exceptionName" : "InvalidParameterValueException",
  "documentation" : "<p>One or more parameter values are not valid.</p>",
  "httpStatusCode" : null
}, {
  "exceptionName" : "ServerInternalException",
  "documentation" : "<p>The server experienced an internal error. Try again.</p>",

  "httpStatusCode" : null
}, {
  "exceptionName" : "AuthorizationException",
  "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
  "httpStatusCode" : null
}, {
  "exceptionName" : "AccessDeniedException",
  "documentation" : "<p>Access to resource denied.</p>",
  "httpStatusCode" : null
}, {
  "exceptionName" : "RateLimitExceededException",
  "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
  "httpStatusCode" : null
} ],
"hasBlobMemberAsPayload" : false,
"hostPrefixProcessor" : null,
"input" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateServiceSettingsRequest",
  "variableName" : "updateServiceSettingsRequest",
  "variableType" : "UpdateServiceSettingsRequest",
  "documentation" : "",

"simpleType" : "UpdateServiceSettingsRequest",
  "variableSetterType" : "UpdateServiceSettingsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "updateServiceSettings",
"operationName" : "UpdateServiceSettings",
"returnType" : {

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    "returnType" : "UpdateServiceSettingsResult",
    "documentation" : null
  },
  "syncReturnType" : "UpdateServiceSettingsResult"
}
},
"shapes" : {
  "AccessDeniedException" : {
    "c2jName" : "AccessDeniedException",
    "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Access to resource denied.</p>",
    "enums" : null,
    "errorCode" : "AccessDeniedException",
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,

    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ ],
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqn" : null,
    "required" : null,
    "shapeName" : "AccessDeniedException",
    "signerAware" : false,
    "signerType" : null,
    "unmarshaller" : null,
    "variable" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "AccessDeniedException",
      "variableName" : "accessDeniedException",
      "variableType" : "AccessDeniedException",
      "documentation" : null,
      "simpleType" : "AccessDeniedException",
      "variableSetterType" : "AccessDeniedException"
    },
    "wrapper" : false
  },
  "AuthorizationException" : {
    "c2jName" : "AuthorizationException",
    "customization" : {

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    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller"
: false
  },
  "deprecated" : false,
  "documentation" : "<p>The AWS user account does not have permission to perform the action. Check the IAM
policy associated with this account.</p>",
  "enums" : null,
  "errorCode" : "AuthorizationException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "AuthorizationException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "AuthorizationException",
    "variableName" : "authorizationException",
    "variableType" : "AuthorizationException",
    "documentation" : null,
    "simpleType" : "AuthorizationException",
    "variableSetterType" : "AuthorizationException"
  },
  "wrapper" : false
},
"ConsumedLicenseSummary" : {
  "c2jName" : "ConsumedLicenseSummary",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Details about license consumption.</p>",
  "enums" : null,
  "errorCode" : null,

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```

"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>",
  "enumType" : "ResourceType",
  "fluentSetterDocumentation"
: "/*<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>\n@param resourceType
Resource type of the resource consuming a license (instance, host, or AMI).\n@return Returns a reference to this
object so that method calls can be chained together.\n@see ResourceType*/",
  "fluentSetterMethodName" : "withResourceType",
  "getterDocumentation" : "/*<p>Resource type of the resource consuming a license (instance, host, or
AMI).</p>\n@return Resource type of the resource consuming a license (instance, host, or AMI).\n@see
ResourceType*/",
  "getterMethodName" : "getResourceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming"
: false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,

```

```

    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "ResourceType",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>\n@param resourceType Resource type of the resource consuming a license (instance, host, or AMI).\n@see ResourceType*/",
    "setterMethodName" : "setResourceType",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType"
: "String",
        "variableName" : "resourceType",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>\n@param resourceType Resource type of the resource consuming a license (instance, host, or AMI).\n@return Returns a reference to this object so that method calls can be chained together.\n@see ResourceType*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceType",
        "variableType" : "String",
        "documentation" : "<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>",
        "simpleType" :
"String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "ConsumedLicenses",
    "c2jShape" : "BoxLong",
    "deprecated" : false,
    "documentation" : "<p>Number of licenses consumed by a resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@param consumedLicenses Number of licenses consumed by a resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withConsumedLicenses",
    "getterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@return Number of licenses consumed by a resource.*/",

```



```

"getterMethodName" : "getConsumedLicenses",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ConsumedLicenses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ConsumedLicenses",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "ConsumedLicenses",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@param
consumedLicenses Number of licenses consumed by a resource.*/",
"setterMethodName" : "setConsumedLicenses",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "consumedLicenses",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,

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```

"varargSetterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@param
consumedLicenses Number of licenses consumed by a resource.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "consumedLicenses",
  "variableType" : "Long",
  "documentation" : "<p>Number of licenses consumed by a resource.</p>",
  "simpleType" : "Long",

"variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "ConsumedLicenses" : {
    "c2jName" : "ConsumedLicenses",
    "c2jShape" : "BoxLong",
    "deprecated" : false,
    "documentation" : "<p>Number of licenses consumed by a resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@param
consumedLicenses Number of licenses consumed by a resource.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withConsumedLicenses",
    "getterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@return Number of
licenses consumed by a resource.*/",
    "getterMethodName" : "getConsumedLicenses",
    "getterModel" : {
      "returnType" : "Long",
      "documentation" : null
    },
    "http"
: {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ConsumedLicenses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ConsumedLicenses",

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    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Long",
  "marshallingType" : "LONG",
  "name" : "ConsumedLicenses",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Number of licenses consumed by a
resource.</p>\n@param consumedLicenses Number of licenses consumed by a resource.*/",
  "setterMethodName" : "setConsumedLicenses",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "consumedLicenses",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Number of licenses consumed by a resource.</p>\n@param
consumedLicenses Number of licenses consumed by a resource.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "consumedLicenses",

"variableType" : "Long",
    "documentation" : "<p>Number of licenses consumed by a resource.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNamespaceUri" : null
},
"ResourceType" : {
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>",

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    "enumType" : "ResourceType",
    "fluentSetterDocumentation" : "/*<p>Resource type of the resource consuming a license (instance, host, or
AMI).</p>\n@param resourceType Resource type of the resource consuming a license (instance, host, or
AMI).\n@return Returns a reference to this object so that method calls can be chained together.\n@see
ResourceType*/",
    "fluentSetterMethodName" : "withResourceType",
    "getterDocumentation" : "/*<p>Resource type of the resource
consuming a license (instance, host, or AMI).</p>\n@return Resource type of the resource consuming a license
(instance, host, or AMI).\n@see ResourceType*/",
    "getterMethodName" : "getResourceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ResourceType",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ResourceType",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,

    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "ResourceType",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Resource type of the resource consuming a license (instance, host, or
AMI).</p>\n@param resourceType Resource type of the resource consuming a license (instance, host, or
AMI).\n@see ResourceType*/",
    "setterMethodName" : "setResourceType",
    "setterModel" : {
        "timestampFormat" : null,

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    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation"
: "/*<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>\n@param resourceType
Resource type of the resource consuming a license (instance, host, or AMI).\n@return Returns a reference to this
object so that method calls can be chained together.\n@see ResourceType*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>Resource type of the resource consuming a license (instance, host, or AMI).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ConsumedLicenseSummary",
"signerAware" : false,
"signerType" : null,
"unmarshaller"
: {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ConsumedLicenseSummary",
  "variableName" : "consumedLicenseSummary",
  "variableType" : "ConsumedLicenseSummary",
  "documentation" : null,
  "simpleType" : "ConsumedLicenseSummary",
  "variableSetterType" : "ConsumedLicenseSummary"
},
"wrapper" : false
},

```

```

"CreateLicenseConfigurationRequest" : {
  "c2jName" : "CreateLicenseConfigurationRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,

  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateLicenseConfiguration",
    "locationName" : null,
    "requestUri" : "/",
    "target" : "AWSLicenseManager.CreateLicenseConfiguration",
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "Name",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Name of the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/*<p>Name of the license configuration.</p>\n@return Name of the license
configuration.*/",
    "getterMethodName" : "getName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,

```

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    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Name",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name
of the license configuration.*/",
  "setterMethodName" : "setName",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "<p>Name of the license configuration.</p>",
    "simpleType" : "String",

    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null

```

```

}, {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Human-friendly description of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Human-friendly description of the license configuration.</p>\n@param
description Human-friendly description of the license configuration.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/*<p>Human-friendly description of the license configuration.</p>\n@return
Human-friendly description of the license configuration.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath"
: null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Description",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Description",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Human-friendly description of the license configuration.</p>\n@param
description Human-friendly description of the license

```



```

configuration.*"/,
  "setterMethodName" : "setDescription",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Human-friendly description of the license configuration.</p>\n@param
description Human-friendly description of the license configuration.\n@return Returns a reference to this object so
that method calls can be chained together.*"/,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>Human-friendly description
of the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "LicenseCountingType",
  "c2jShape" : "LicenseCountingType",
  "deprecated" : false,
  "documentation" : "<p>Dimension to use to track the license inventory.</p>",
  "enumType" : "LicenseCountingType",
  "fluentSetterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@param
licenseCountingType Dimension to use to track the license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
  "fluentSetterMethodName" : "withLicenseCountingType",
  "getterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@return Dimension to
use to track the license inventory.\n@see LicenseCountingType*/",
  "getterMethodName" : "getLicenseCountingType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

```

```

    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCountingType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCountingType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseCountingType",
  "sensitive"
: false,
  "setterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@param
licenseCountingType Dimension to use to track the license inventory.\n@see LicenseCountingType*/",
  "setterMethodName" : "setLicenseCountingType",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseCountingType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@param
licenseCountingType Dimension to use to track the license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
  "variable"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseCountingType",

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```

    "variableType" : "String",
    "documentation" : "<p>Dimension to use to track the license inventory.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "LicenseCount",
  "c2jShape" : "BoxLong",
  "deprecated" : false,
  "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*",
  "fluentSetterMethodName" : "withLicenseCount",
  "getterDocumentation" : "/*<p>Number of
licenses managed by the license configuration.</p>\n@return Number of licenses managed by the license
configuration.*",
  "getterMethodName" : "getLicenseCount",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCount",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel"

```

```

: null,
  "marshallingTargetClass" : "Long",
  "marshallingType" : "LONG",
  "name" : "LicenseCount",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@param
licenseCount Number of licenses managed by the license configuration.*"/,
  "setterMethodName" : "setLicenseCount",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference
to this object so that method calls can be chained together.*"/,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "LicenseCountHardLimit",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit
results in the blocked deployment of new instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used.
Exceeding a hard limit results in the blocked deployment of new instances.</p>\n@param licenseCountHardLimit
Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked
deployment of new instances.\n@return Returns a reference to this object so that method calls can be chained
together.*"/,
  "fluentSetterMethodName" : "withLicenseCountHardLimit",
  "getterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a

```

hard limit results in the blocked deployment of new instances.</p>\n@return Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.\*/",

```
"getterMethodName" : "getLicenseCountHardLimit",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCountHardLimit",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCountHardLimit",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "LicenseCountHardLimit",
"sensitive" : false,
```

"setterDocumentation" : "/\*<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.</p>\n@param licenseCountHardLimit Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.\*/",

```
"setterMethodName" : "setLicenseCountHardLimit",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "licenseCountHardLimit",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
```

```

"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.</p>\n@param licenseCountHardLimit Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "licenseCountHardLimit",
  "variableType" : "Boolean",
  "documentation" : "<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "LicenseRules",
  "c2jShape" : "StringList",
  "deprecated" : false,
  "documentation" : "<p>Array of configured License Manager rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@param licenseRules Array of configured License Manager rules.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName"
: "withLicenseRules",
  "getterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@return Array of configured License Manager rules.*/",
  "getterMethodName" : "getLicenseRules",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseRules",

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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseRules",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload"
    }
  }
: false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,

```

```

    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",

"variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath"
: null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},

```



```

"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseRules",
"sensitive" : false,
"setterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@param licenseRules Array
of configured License Manager rules.*/",
"setterMethodName" : "setLicenseRules",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseRules",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link #setLicenseRules(java.util.Collection)} or
{ @link #withLicenseRules(java.util.Collection)} if you want to override the existing values.</p>\n@param
licenseRules Array of configured License Manager rules.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseRules",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Array of configured License Manager rules.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>The tags to apply to the resources during launch. You can only tag instances and
volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag
a resource after it has been created, see CreateTags .</p> <p/>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The tags to apply to the resources during launch. You can only tag
instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during
launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n@param tags The tags to apply to the
resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all

```

instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>\n@return Returns a reference to this object so that method calls can be chained together.\*/"

```
"fluentSetterMethodName" : "withTags",
```

"getterDocumentation" : "/\*<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n@return The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>\*/",

```
"getterMethodName" : "getTags",
```

```
"getterModel" : {
```

```
  "returnType" : "java.util.List<Tag>",
```

```
  "documentation" : null
```

```
},
```

```
"http" : {
```

```
  "additionalMarshallingPath" : null,
```

```
  "additionalUnmarshallingPath" : null,
```

```
  "flattened" : false,
```

```
  "greedy" : false,
```

```
  "header" : false,
```

```
  "isPayload" : false,
```

```
  "isStreaming" : false,
```

```
  "location" : null,
```

```
  "marshallLocation" : "PAYLOAD",
```

```
  "marshallLocationName" : "Tags",
```

```
  "queryString" : false,
```

```
  "statusCode" : false,
```

```
  "unmarshallLocationName" : "Tags",
```

```
  "uri" : false
```

```
},
```

```
"idempotencyToken" : false,
```

```
"isBinary" : false,
```

```
"jsonValue" : false,
```

```
"list" : true,
```

```
"listModel" : {
```

```
  "implType" : "java.util.ArrayList",
```

```
  "interfaceType" : "java.util.List",
```

```
  "listMemberModel" : {
```

```
    "c2jName" : "member",
```

```
    "c2jShape" : "Tag",
```

```
    "deprecated" : false,
```

```
    "documentation" : "",
```

```
    "enumType" : null,
```

```
    "fluentSetterDocumentation" : "/**\n@param member
```

```
\n@return Returns a reference to this object so that method calls can be chained together.*/"
```

```
    "fluentSetterMethodName" : "withMember",
```

```
    "getterDocumentation" : "/**\n@return */",
```

```
    "getterMethodName" : "getMember",
```

```

"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference
to this object so that method calls can be chained together.*/",
"variable" : {

```

```

    "timestampFormat" : null,
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass"
: "List",
  "marshallingType" : "LIST",
  "name" : "Tags",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The tags to apply to the resources during launch. You can only tag instances
and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To
tag a resource after it has been created, see CreateTags .</p> <p/>\n@param tags The tags to apply to the resources
during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or
volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>*/",
  "setterMethodName" : "setTags",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",

    "variableSetterType" : "java.util.Collection<Tag>"
  },
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,

```

"varargSetterDocumentation" : "/\*<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p>\n@param tags The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>\n@return Returns a reference to this object so that method calls can be chained together.\*/",

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNamespaceUri" : null
} ],
```

```
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Human-friendly description of the license configuration.</p>",
    "enumType" : null,
```

"fluentSetterDocumentation" : "/\*<p>Human-friendly description of the license configuration.</p>\n@param description Human-friendly description of the license configuration.\n@return Returns a reference to this object so that method calls can be chained together.\*/",

```
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/*<p>Human-friendly description of the license configuration.</p>\n@return Human-friendly description of the license configuration.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
```

```

    "isStreaming" : false,
    "location" : null,
    "marshallLocation"
: "PAYLOAD",
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Description",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Description",
"sensitive" : false,
"setterDocumentation" : "/*<p>Human-friendly description of the license configuration.</p>\n@param
description Human-friendly description of the license configuration.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType"
: "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Human-friendly description of the license
configuration.</p>\n@param description Human-friendly description of the license configuration.\n@return Returns
a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>Human-friendly description of the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"

```

```

    },
    "xmlNamespaceUri" : null
  },
  "LicenseCount"
: {
  "c2jName" : "LicenseCount",
  "c2jShape" : "BoxLong",
  "deprecated" : false,
  "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseCount",
  "getterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@return
Number of licenses managed by the license configuration.*/",
  "getterMethodName" : "getLicenseCount",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath"
: null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCount",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Long",
  "marshallingType" : "LONG",
  "name" : "LicenseCount",

```

```

"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@param
licenseCount Number of licenses managed by the license configuration.*/",
"setterMethodName" : "setLicenseCount",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "licenseCount",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "licenseCount",
  "variableType" : "Long",
  "documentation"
: "<p>Number of licenses managed by the license configuration.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
},
"LicenseCountHardLimit" : {
  "c2jName" : "LicenseCountHardLimit",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard
limit results in the blocked deployment of new instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used.
Exceeding a hard limit results in the blocked deployment of new instances.</p>\n@param licenseCountHardLimit
Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked
deployment of new instances.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withLicenseCountHardLimit",
  "getterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a
hard limit results in the blocked deployment of new instances.</p>\n@return Flag indicating whether hard or soft
license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.*/",
  "getterMethodName" : "getLicenseCountHardLimit",

```



```

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCountHardLimit",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCountHardLimit",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "LicenseCountHardLimit",
"sensitive" : false,
"setterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a
hard limit results in the blocked deployment of new instances.</p>\n@param licenseCountHardLimit Flag
indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked
deployment of new instances.*/",
"setterMethodName" : "setLicenseCountHardLimit",
"setterModel"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "licenseCountHardLimit",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,

```

```

    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.</p>\n@param licenseCountHardLimit Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Boolean",
        "variableName" : "licenseCountHardLimit",
        "variableType" : "Boolean",
        "documentation" : "<p>Flag indicating whether hard or soft license enforcement is used. Exceeding a hard limit results in the blocked deployment of new instances.</p>",
        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
    },
    "xmlNamespaceUri" : null
},
"LicenseCountingType" : {
    "c2jName" : "LicenseCountingType",
    "c2jShape" : "LicenseCountingType",
    "deprecated" : false,
    "documentation" : "<p>Dimension to use to track the license inventory.</p>",
    "enumType" : "LicenseCountingType",
    "fluentSetterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@param licenseCountingType Dimension to use to track the license inventory.\n@return Returns a reference to this object so that method calls can be chained together.\n@see LicenseCountingType*/",
    "fluentSetterMethodName" : "withLicenseCountingType",
    "getterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@return Dimension to use to track the license inventory.\n@see LicenseCountingType*/",
    "getterMethodName" : "getLicenseCountingType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCountingType",
    "queryString" : false,
    "statusCode" : false,

```

```

    "unmarshallLocationName" : "LicenseCountingType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseCountingType",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@param
licenseCountingType Dimension to use to track the license inventory.\n@see LicenseCountingType*/",
  "setterMethodName" : "setLicenseCountingType",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseCountingType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter"
: false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Dimension to use to track the license inventory.</p>\n@param
licenseCountingType Dimension to use to track the license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseCountingType",
    "variableType" : "String",
    "documentation" : "<p>Dimension to use to track the license inventory.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"LicenseRules" : {
  "c2jName" : "LicenseRules",
  "c2jShape" : "StringList",
  "deprecated" : false,

```

```

"documentation" : "<p>Array of configured
License Manager rules.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@param
licenseRules Array of configured License Manager rules.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseRules",
"getterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@return Array of
configured License Manager rules.*/",
"getterMethodName" : "getLicenseRules",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseRules",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseRules",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",

```

```

"getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,

"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that

```

```

method calls can be chained together.*/",
    "variable" : {
        "timestampFormat"
: null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" :
"LIST",
    "name" : "LicenseRules",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@param licenseRules
Array of configured License Manager rules.*/",
    "setterMethodName" : "setLicenseRules",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<String>",
        "variableName" : "licenseRules",
        "variableType" : "java.util.List<String>",
        "documentation" : "",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n<p><b>NOTE:</b>

```

This method appends the values to the existing list (if any). Use { @link #setLicenseRules(java.util.Collection)} or { @link #withLicenseRules(java.util.Collection)} if you want to override the existing values.</p>\n@param licenseRules Array of configured License Manager rules.\n@return Returns a reference to this object so that method calls can be chained together.\*"/

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseRules",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Array of configured License Manager rules.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNamespaceUri" : null
```

```
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Name of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" :
```

"/\*\*<p>Name of the license configuration.</p>\n@param name Name of the license configuration.\n@return Returns a reference to this object so that method calls can be chained together.\*"/

```
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>Name of the license configuration.</p>\n@return Name of the license configuration.*"/
```

```
"getterMethodName" : "getName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Name",
  "queryString" : false,
  "statusCode" : false,
```

```
"unmarshallLocationName" : "Name",
"uri" : false
```

```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Name",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the license
configuration.*/",
    "setterMethodName" : "setName",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "name",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "name",
        "variableType" : "String",
        "documentation" : "<p>Name of the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    },
    "xmlNamespaceUri" : null
    },
    "Tags" : {
        "c2jName" : "Tags",
        "c2jShape" : "TagList",
        "deprecated" : false,
        "documentation" : "<p>The tags to apply to the resources during launch. You can only tag instances and
volumes on launch. The specified tags are applied to all instances or volumes that are created during launch.
To tag a resource after it has been created, see CreateTags .</p> <p/>",
        "enumType" : null,

```



"fluentSetterDocumentation" : "/\*<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n@param tags The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>\n@return Returns a reference to this object so that method calls can be chained together.\*/",

"fluentSetterMethodName" : "withTags",

"getterDocumentation" : "/\*<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n@return The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>\*/",

"getterMethodName" : "getTags",

"getterModel" : {

"returnType" : "java.util.List<Tag>",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "Tags",

"queryString" :

false,

"statusCode" : false,

"unmarshallLocationName" : "Tags",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {

"implType" : "java.util.ArrayList",

"interfaceType" : "java.util.List",

"listMemberModel" : {

"c2jName" : "member",

"c2jShape" : "Tag",

"deprecated" : false,

"documentation" : "",

"enumType" : null,

```

    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "Tag",
        "documentation"
: null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",

"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"

```

```

    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Tag",
        "variableName" : "member",
        "variableType"
: "Tag",
        "documentation" : "",
        "simpleType" : "Tag",
        "variableSetterType" : "Tag"
    },
    "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Tags",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>The tags to apply to the resources during launch. You can
only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created
during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n@param tags The tags to
apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are
applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see
CreateTags .</p>*/",
"setterMethodName" : "setTags",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",

```

```

    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p>\n@param tags The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags .</p> <p/>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Name", "LicenseCountingType" ],
"shapeName" : "CreateLicenseConfigurationRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "CreateLicenseConfigurationRequest",
  "variableName" : "createLicenseConfigurationRequest",
  "variableType" : "CreateLicenseConfigurationRequest",
  "documentation" : null,
  "simpleType" : "CreateLicenseConfigurationRequest",
  "variableSetterType" : "CreateLicenseConfigurationRequest"
},
"wrapper" : false
},
"CreateLicenseConfigurationResult" : {

```

```

"c2jName" : "CreateLicenseConfigurationResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the license configuration object after its creation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the license configuration object after its creation.</p>\n@param
licenseConfigurationArn ARN of the license configuration object after its creation.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurationArn",
  "getterDocumentation" : "/*<p>ARN of the license configuration object after its creation.</p>\n@return ARN
of the license configuration object after its creation.*/",
  "getterMethodName" : "getLicenseConfigurationArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurationArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationArn",
  "uri" : false
}

```

```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of the license configuration object after its creation.</p>\n@param
licenseConfigurationArn ARN of the license configuration object after its creation.*/",
    "setterMethodName" : "setLicenseConfigurationArn",

    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>ARN of the license configuration object after its
creation.</p>\n@param licenseConfigurationArn ARN of the license configuration object after its
creation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "<p>ARN of the license configuration object after its
creation.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    },
    "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
    "LicenseConfigurationArn" : {
        "c2jName" : "LicenseConfigurationArn",
        "c2jShape" : "String",
        "deprecated" : false,

```

```

"documentation" : "<p>ARN of the license configuration object after its creation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>ARN of the license configuration object after its
creation.</p>\n@param licenseConfigurationArn ARN of the license configuration object after its
creation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseConfigurationArn",
"getterDocumentation" : "/*<p>ARN of the license configuration object after its creation.</p>\n@return
ARN of the license configuration object after its creation.*/",

"getterMethodName" : "getLicenseConfigurationArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurationArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass"
: "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the license configuration object after its creation.</p>\n@param
licenseConfigurationArn ARN of the license configuration object after its creation.*/",
"setterMethodName" : "setLicenseConfigurationArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",

```

```

    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the license configuration object after its
creation.</p>\n@param licenseConfigurationArn ARN of
the license configuration object after its creation.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the license configuration object after its creation.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateLicenseConfigurationResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" :
"CreateLicenseConfigurationResult",
  "variableName" : "createLicenseConfigurationResult",
  "variableType" : "CreateLicenseConfigurationResult",
  "documentation" : null,
  "simpleType" : "CreateLicenseConfigurationResult",
  "variableSetterType" : "CreateLicenseConfigurationResult"
},
"wrapper" : false
},
"DeleteLicenseConfigurationRequest" : {

```



```

"c2jName" : "DeleteLicenseConfigurationRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteLicenseConfiguration",
  "locationName"
: null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.DeleteLicenseConfiguration",
  "verb" : "POST",
  "xmlNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique ID of the configuration object to delete.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Unique ID of the configuration object to delete.</p>\n@param
licenseConfigurationArn Unique ID of the configuration object to delete.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurationArn",
  "getterDocumentation" : "/*<p>Unique ID of the configuration object to delete.</p>\n@return Unique ID of
the configuration object to delete.*/",
  "getterMethodName" : "getLicenseConfigurationArn",
  "getterModel" : {

"returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,

```

```

    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationArn",
  "sensitive" : false,
  "setterDocumentation"
: "/*<p>Unique ID of the configuration object to delete.</p>\n@param licenseConfigurationArn Unique ID of the
configuration object to delete.*/",
  "setterMethodName" : "setLicenseConfigurationArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Unique ID of the configuration object to delete.</p>\n@param
licenseConfigurationArn Unique ID of the configuration object to delete.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType"
: "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>Unique ID of the configuration object to delete.</p>",
    "simpleType" : "String",

```

```

    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "LicenseConfigurationArn" : {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique ID of the configuration object to delete.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Unique ID of the configuration object to delete.</p>\n@param
licenseConfigurationArn Unique ID of the configuration object to delete.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation"
: "/*<p>Unique ID of the configuration object to delete.</p>\n@return Unique ID of the configuration object to
delete.*/",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "LicenseConfigurationArn",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "LicenseConfigurationArn",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,

    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",

```

```

    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Unique ID of the configuration object to delete.</p>\n@param
licenseConfigurationArn Unique ID of the configuration object to delete.*/",
    "setterMethodName" : "setLicenseConfigurationArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation"
: "/*<p>Unique ID of the configuration object to delete.</p>\n@param licenseConfigurationArn Unique ID of the
configuration object to delete.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "<p>Unique ID of the configuration object to delete.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "LicenseConfigurationArn" ],
"shapeName" : "DeleteLicenseConfigurationRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "DeleteLicenseConfigurationRequest",
    "variableName" : "deleteLicenseConfigurationRequest",
    "variableType" : "DeleteLicenseConfigurationRequest",
    "documentation" : null,
    "simpleType" : "DeleteLicenseConfigurationRequest",

```

```

    "variableSetterType" : "DeleteLicenseConfigurationRequest"
  },
  "wrapper" : false
},
"DeleteLicenseConfigurationResult" : {
  "c2jName" : "DeleteLicenseConfigurationResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeleteLicenseConfigurationResult",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "DeleteLicenseConfigurationResult",
    "variableName" : "deleteLicenseConfigurationResult",
    "variableType" : "DeleteLicenseConfigurationResult",
    "documentation" : null,
    "simpleType" : "DeleteLicenseConfigurationResult",
    "variableSetterType" : "DeleteLicenseConfigurationResult"
  },
  "wrapper" : false
},
"FailedDependencyException" : {
  "c2jName" : "FailedDependencyException",
  "customization" : {
    "artificialResultWrapper" : null,

```

```

    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass"
: false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>A dependency required to run the API is missing.</p>",
  "enums" : null,
  "errorCode" : "FailedDependencyException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "FailedDependencyException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "FailedDependencyException",
    "variableName" : "failedDependencyException",
    "variableType" : "FailedDependencyException",
    "documentation" : null,
    "simpleType" : "FailedDependencyException",
    "variableSetterType" : "FailedDependencyException"
  },
  "wrapper" : false
},
"Filter" : {
  "c2jName" : "Filter",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>A filter name and value pair that is used to return a more specific list of results from a
describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.
The filters supported by a <code>Describe</code> operation are documented with the <code>Describe</code>
operation.</p>",
  "enums" : null,

```

```

"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members"
: [ {
  "c2jName" : "Name",
  "c2jShape" : "FilterName",
  "deprecated" : false,
  "documentation" : "<p>Name of the filter. Filter names are case-sensitive.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@param name
Name of the filter. Filter names are case-sensitive.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@return Name of the
filter. Filter names are case-sensitive.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",

```

```

"marshallingType" : "STRING",
"name" : "Name",
"sensitive" : false,
"setterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@param name Name
of the filter. Filter names are case-sensitive.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@param name
Name of the filter. Filter names are case-sensitive.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>Name of the filter. Filter names are case-sensitive.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Values",

  "c2jShape" : "FilterValues",
  "deprecated" : false,
  "documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more filter values. Filter values are case-sensitive.</p>\n@param
values One or more filter values. Filter values are case-sensitive.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withValues",
  "getterDocumentation" : "/*<p>One or more filter values. Filter values are case-sensitive.</p>\n@return One
or more filter values. Filter values are case-sensitive.*/",
  "getterMethodName" : "getValues",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null

```



```

    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Values",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Values",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "FilterValue",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName"
: "withMember",
            "getterDocumentation" : "/**\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
        },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,

```

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        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel"
: null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat"
: null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},

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"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Values",
"sensitive"
: false,
"setterDocumentation" : "/*<p>One or more filter values. Filter values are case-sensitive.</p>\n@param
values One or more filter values. Filter values are case-sensitive.*/",
"setterMethodName" : "setValues",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>One or more filter values. Filter values are case-
sensitive.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setValues(java.util.Collection)} or { @link #withValues(java.util.Collection)} if you want to
override the existing values.</p>\n@param values One or more filter values. Filter values are case-
sensitive.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},

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    "xmlNamespaceUri" : null
  } ],
  "membersAsMap" : {
    "Name" : {
      "c2jName" : "Name",
      "c2jShape" : "FilterName",
      "deprecated" : false,
      "documentation" : "<p>Name of the filter. Filter names are case-sensitive.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*<p>Name of the filter.
Filter names are case-sensitive.</p>\n@param name Name of the filter. Filter names are case-sensitive.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withName",
      "getterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@return Name of
the filter. Filter names are case-sensitive.*/",
      "getterMethodName" : "getName",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "Name",
      "queryString" :
false,
      "statusCode" : false,
      "unmarshallLocationName" : "Name",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Name",
    "sensitive" : false,

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"setterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@param name Name
of the filter. Filter names are case-sensitive.*/",
"setterMethodName" : "setName",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Name of the filter. Filter names are case-sensitive.</p>\n@param
name Name of the filter. Filter names are case-sensitive.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "<p>Name of the filter. Filter names are case-sensitive.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"Values" : {
    "c2jName" : "Values",
    "c2jShape" : "FilterValues",
    "deprecated" : false,
    "documentation" : "<p>One or more filter values. Filter
values are case-sensitive.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>One or more filter values. Filter values are case-
sensitive.</p>\n@param values One or more filter values. Filter values are case-sensitive.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withValues",
    "getterDocumentation" : "/*<p>One or more filter values. Filter values are case-sensitive.</p>\n@return One
or more filter values. Filter values are case-sensitive.*/",
    "getterMethodName" : "getValues",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    }
},

```

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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,

"isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Values",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Values",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "FilterValue",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation"
: "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,

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        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel"
: null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",

    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},

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"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass"
: "List",
"marshallingType" : "LIST",
"name" : "Values",
"sensitive" : false,
"setterDocumentation" : "/*<p>One or more filter values. Filter values are case-sensitive.</p>\n@param
values One or more filter values. Filter values are case-sensitive.*/",
"setterMethodName" : "setValues",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>One or more filter values. Filter values are case-
sensitive.</p>\n<p><b>NOTE:</b> This method appends the values
to the existing list (if any). Use { @link #setValues(java.util.Collection)} or { @link
#withValues(java.util.Collection)} if you want to override the existing values.</p>\n@param values One or more
filter values. Filter values are case-sensitive.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
}

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    },
    "xmlNamespaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Filter",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Filter",
  "variableName" : "filter",
  "variableType" : "Filter",
  "documentation" : null,
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"wrapper" : false
},
"FilterLimitExceededException" : {
  "c2jName" : "FilterLimitExceededException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>The request uses too many filters or too many filter values.</p>",
  "enums" : null,
  "errorCode" : "FilterLimitExceededException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "FilterLimitExceededException",

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```

"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "FilterLimitExceededException",
  "variableName" : "filterLimitExceededException",
  "variableType" : "FilterLimitExceededException",
  "documentation" : null,
  "simpleType" : "FilterLimitExceededException",
  "variableSetterType" : "FilterLimitExceededException"
},
"wrapper" : false
},
"GetLicenseConfigurationRequest" : {
  "c2jName" : "GetLicenseConfigurationRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller"
: false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "GetLicenseConfiguration",
    "locationName" : null,
    "requestUri" : "/",
    "target" : "AWSLicenseManager.GetLicenseConfiguration",
    "verb" : "POST",
    "xmlNamespaceUri" : null
  },
  "members" : [ {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the license configuration being requested.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@param
licenseConfigurationArn ARN of

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the license configuration being requested.\n@return Returns a reference to this object so that method calls can be
chained together."/>,
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@return ARN of the
license configuration being requested."/>,
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationArn",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName"
: "LicenseConfigurationArn",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration being requested."/>,
    "setterMethodName" : "setLicenseConfigurationArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",

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    "variableSetterType" : "String"
  },

  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration being requested.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the license configuration being requested.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "LicenseConfigurationArn" : {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" :
"<p>ARN of the license configuration being requested.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration being requested.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@return ARN of the
license configuration being requested.*/",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload"
: false,
      "isStreaming" : false,

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"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LicenseConfigurationArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LicenseConfigurationArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration being requested.*/",
"setterMethodName" : "setLicenseConfigurationArn",
"setterModel" :
{
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationArn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the license configuration being requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration being requested.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationArn",
"variableType" : "String",
"documentation" : "<p>ARN of the license configuration being requested.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null

```

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    }
  },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : [ "LicenseConfigurationArn" ],
  "shapeName" : "GetLicenseConfigurationRequest",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "GetLicenseConfigurationRequest",
    "variableName" : "getLicenseConfigurationRequest",
    "variableType" : "GetLicenseConfigurationRequest",
    "documentation" : null,
    "simpleType" : "GetLicenseConfigurationRequest",
    "variableSetterType" : "GetLicenseConfigurationRequest"
  },
  "wrapper" : false
},
"GetLicenseConfigurationResult" : {
  "c2jName" : "GetLicenseConfigurationResponse",
  "customization" : {
    "artificialResultWrapper"
  }
} : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "LicenseConfigurationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique ID for the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@param
licenseConfigurationId Unique ID for the license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurationId",

```

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"getterDocumentation"
: "/*<p>Unique ID for the license configuration.</p>\n@return Unique ID for the license configuration.*/",
"getterMethodName" : "getLicenseConfigurationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationId",
"sensitive" : false,
"setterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@param licenseConfigurationId
Unique ID for the license configuration.*/",
"setterMethodName" : "setLicenseConfigurationId",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,

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"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@param
licenseConfigurationId Unique ID for the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationId",
  "variableType" : "String",
  "documentation" : "<p>Unique ID for the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the license configuration requested.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration requested.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName"
: "withLicenseConfigurationArn",
  "getterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@return ARN of the license
configuration requested.*/",
  "getterMethodName" : "getLicenseConfigurationArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
}

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration requested.*/",
"setterMethodName" : "setLicenseConfigurationArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration requested.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the license configuration requested.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Name of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",

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    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/*<p>Name of the license configuration.</p>\n@return Name of the license
configuration.*/",
    "getterMethodName" : "getName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Name",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Name",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map"
: false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Name",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the license
configuration.*/",
    "setterMethodName" : "setName",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "name",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
}

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"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>Name of the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Description of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/*<p>Description of the license configuration.</p>\n@return Description of the
license configuration.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
}

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    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Description",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.*/",
    "setterMethodName" : "setDescription",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "<p>Description of the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "LicenseCountingType",
    "c2jShape" : "LicenseCountingType",
    "deprecated" : false,
    "documentation" : "<p>Dimension on which the licenses are counted (for example, instances, cores, sockets, or
VCPU(s)).</p>",
    "enumType" : "LicenseCountingType",
    "fluentSetterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances,

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cores, sockets, or VCPUs).</p>\n@param licenseCountingType Dimension on which the licenses are counted (for example, instances, cores, sockets, or VCPUs).\n@return Returns a reference to this object so that method calls can be chained together.\n@see LicenseCountingType\*/",

```
"fluentSetterMethodName"
: "withLicenseCountingType",
"getterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances, cores, sockets, or VCPUs).</p>\n@return Dimension on which the licenses are counted (for example, instances, cores, sockets, or VCPUs).\n@see LicenseCountingType*/",
"getterMethodName" : "getLicenseCountingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCountingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCountingType",

"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseCountingType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances, cores, sockets, or VCPUs).</p>\n@param licenseCountingType Dimension on which the licenses are counted (for example, instances, cores, sockets, or VCPUs).\n@see LicenseCountingType*/",
"setterMethodName" : "setLicenseCountingType",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
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    "variableName" : "licenseCountingType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType"
: "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances,
cores, sockets, or VCPUs).</p>\n@param licenseCountingType Dimension on which the licenses are counted (for
example, instances, cores, sockets, or VCPUs).\n@return Returns a reference to this object so that method calls can
be chained together.\n@see LicenseCountingType*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseCountingType",
    "variableType" : "String",
    "documentation" : "<p>Dimension on which the licenses are counted (for example, instances, cores, sockets,
or VCPUs).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  },
  "xmlNamespaceUri" : null
}, {

"c2jName" : "LicenseRules",
  "c2jShape" : "StringList",
  "deprecated" : false,
  "documentation" : "<p>List of flexible text strings designating license rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@param
licenseRules List of flexible text strings designating license rules.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseRules",
  "getterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@return List of
flexible text strings designating license rules.*/",
  "getterMethodName" : "getLicenseRules",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,

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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LicenseRules",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LicenseRules",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that
method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",

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    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list"
: false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,

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    "sendEmptyQueryString" : false,
    "simple" : true,
    "simpleType" : "String",
    "templateImplType" : "java.util.ArrayList<String>",
    "templateType" : "java.util.List<String>"
  },
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "List",
  "marshallingType" : "LIST",
  "name"
: "LicenseRules",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@param
licenseRules List of flexible text strings designating license rules.*/",
  "setterMethodName" : "setLicenseRules",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "licenseRules",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>List of flexible text strings designating license
rules.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseRules(java.util.Collection)} or { @link
#withLicenseRules(java.util.Collection)} if you want to override the existing values.</p>\n@param licenseRules
List of flexible text strings designating license rules.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "licenseRules",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>List of flexible text strings designating license rules.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "LicenseCount",
  "c2jShape" : "BoxLong",
  "deprecated" : false,

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"documentation" : "<p>Number of available licenses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Number of available licenses.</p>\n@param
licenseCount Number of available licenses.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withLicenseCount",
"getterDocumentation" : "/*<p>Number of available licenses.</p>\n@return Number of available licenses.*/",
"getterMethodName" : "getLicenseCount",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCount",
  "uri" :
false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "LicenseCount",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of available licenses.</p>\n@param licenseCount Number of
available licenses.*/",
"setterMethodName" : "setLicenseCount",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "licenseCount",
  "variableType" : "Long",

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    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Number of available
licenses.</p>\n@param licenseCount Number of available licenses.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "<p>Number of available licenses.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "LicenseCountHardLimit",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object
so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseCountHardLimit",
  "getterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@return Sets the
number of available licenses as a hard limit.*/",
  "getterMethodName" : "getLicenseCountHardLimit",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",

```

```

    "marshallLocationName" : "LicenseCountHardLimit",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCountHardLimit",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Boolean",
  "marshallingType" : "BOOLEAN",
  "name" : "LicenseCountHardLimit",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.*/",
  "setterMethodName" : "setLicenseCountHardLimit",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType"
: null,
  "varargSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "ConsumedLicenses",

```

```

"c2jShape" : "BoxLong",
"deprecated" : false,
"documentation" : "<p>Number of licenses assigned to resources.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Number of licenses
assigned to resources.</p>\n@param consumedLicenses Number of licenses assigned to resources.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withConsumedLicenses",
"getterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@return Number of licenses
assigned to resources.*/",
"getterMethodName" : "getConsumedLicenses",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ConsumedLicenses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ConsumedLicenses",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "ConsumedLicenses",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@param consumedLicenses
Number of licenses assigned to resources.*/",
"setterMethodName" : "setConsumedLicenses",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",

```

```

    "variableName" : "consumedLicenses",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,

  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@param
consumedLicenses Number of licenses assigned to resources.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "consumedLicenses",
    "variableType" : "Long",
    "documentation" : "<p>Number of licenses assigned to resources.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>License configuration status (active, etc.).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>License configuration status (active, etc.).</p>\n@param
status License configuration status (active, etc.).\n@return Returns a reference to this object so that method calls
can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/*<p>License configuration status (active, etc.).</p>\n@return License
configuration status (active, etc.).*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,

```

```

    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri"
: false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Status",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>License configuration status (active, etc.)</p>\n@param status License
configuration status (active, etc.)*/",
  "setterMethodName" : "setStatus",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>License
configuration status (active, etc.)</p>\n@param status License configuration status (active, etc.)\n@return Returns
a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "<p>License configuration status (active, etc.)</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null

```

```

}, {
  "c2jName" : "OwnerAccountId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Owner account ID for the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@param
ownerAccountId Owner account ID for the license configuration.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOwnerAccountId",
  "getterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@return Owner account
ID for the license configuration.*/",
  "getterMethodName" : "getOwnerAccountId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "OwnerAccountId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "OwnerAccountId",
    "uri" : false
  },
  "idempotencyToken"
: false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "OwnerAccountId",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@param
ownerAccountId Owner account ID for the license configuration.*/",
  "setterMethodName" : "setOwnerAccountId",

```



```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "ownerAccountId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Owner
account ID for the license configuration.</p>\n@param ownerAccountId Owner account ID for the license
configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "ownerAccountId",
  "variableType" : "String",
  "documentation" : "<p>Owner account ID for the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "ConsumedLicenseSummaryList",
  "c2jShape" : "ConsumedLicenseSummaryList",
  "deprecated" : false,
  "documentation" : "<p>List of summaries for consumed licenses used by various resources.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n@param
consumedLicenseSummaryList List of summaries for consumed licenses used by various resources.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withConsumedLicenseSummaryList",
  "getterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n@return List of summaries for consumed licenses used by various resources.*/",
  "getterMethodName" : "getConsumedLicenseSummaryList",
  "getterModel" : {
    "returnType" : "java.util.List<ConsumedLicenseSummary>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,

```

```

    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",

    "marshallLocationName" : "ConsumedLicenseSummaryList",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ConsumedLicenseSummaryList",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ConsumedLicenseSummary",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel"
    }
  }
: {
  "returnType" : "ConsumedLicenseSummary",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,

```

```

    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",

  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ConsumedLicenseSummary",
    "variableName" : "member",
    "variableType" : "ConsumedLicenseSummary",
    "documentation" : "",
    "simpleType" : "ConsumedLicenseSummary",
    "variableSetterType" : "ConsumedLicenseSummary"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ConsumedLicenseSummary",
    "variableName" : "member",
    "variableType" : "ConsumedLicenseSummary",
    "documentation" : "",
    "simpleType" : "ConsumedLicenseSummary",
    "variableSetterType" : "ConsumedLicenseSummary"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ConsumedLicenseSummary",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,

```

```

    "sendEmptyQueryString" : false,
    "simple" : false,
    "simpleType" : "ConsumedLicenseSummary",
    "templateImplType" : "java.util.ArrayList<ConsumedLicenseSummary>",
    "templateType" : "java.util.List<ConsumedLicenseSummary>"
  },
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "List",
  "marshallingType"
: "LIST",
  "name" : "ConsumedLicenseSummaryList",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n@param consumedLicenseSummaryList List of summaries for consumed licenses used by various
resources.*/",
  "setterMethodName" : "setConsumedLicenseSummaryList",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
    "variableName" : "consumedLicenseSummaryList",
    "variableType" : "java.util.List<ConsumedLicenseSummary>",
    "documentation" : "",
    "simpleType" : "List<ConsumedLicenseSummary>",
    "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>List of summaries
for consumed licenses used by various resources.</p>\n<p><b>NOTE:</b> This method appends the values to the
existing list (if any). Use { @link #setConsumedLicenseSummaryList(java.util.Collection) } or { @link
#withConsumedLicenseSummaryList(java.util.Collection) } if you want to override the existing
values.</p>\n@param consumedLicenseSummaryList List of summaries for consumed licenses used by various
resources.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
    "variableName" : "consumedLicenseSummaryList",
    "variableType" : "java.util.List<ConsumedLicenseSummary>",
    "documentation" : "<p>List of summaries for consumed licenses used by various resources.</p>",
    "simpleType" : "List<ConsumedLicenseSummary>",
    "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "ManagedResourceSummaryList",
  "c2jShape" : "ManagedResourceSummaryList",

```

```

"deprecated" : false,
"documentation" : "<p>List of summaries of managed resources.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n@param
managedResourceSummaryList List of summaries of managed resources.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withManagedResourceSummaryList",
"getterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n@return List of summaries of
managed resources.*/",
"getterMethodName" : "getManagedResourceSummaryList",
"getterModel" : {
  "returnType" : "java.util.List<ManagedResourceSummary>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath"
: null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ManagedResourceSummaryList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ManagedResourceSummaryList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ManagedResourceSummary",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation"
: "/*<n>\n@param member \n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withMember",

```

```

"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "ManagedResourceSummary",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ManagedResourceSummary",
  "variableName" : "member",
  "variableType" : "ManagedResourceSummary",
  "documentation" : "",
  "simpleType" : "ManagedResourceSummary",
  "variableSetterType" : "ManagedResourceSummary"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that

```

```

method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "ManagedResourceSummary",
        "variableName" : "member",
        "variableType" : "ManagedResourceSummary",
        "documentation" : "",
        "simpleType" : "ManagedResourceSummary",
        "variableSetterType" : "ManagedResourceSummary"
    },
    "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ManagedResourceSummary",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,

"simpleType" : "ManagedResourceSummary",
"templateImplType" : "java.util.ArrayList<ManagedResourceSummary>",
"templateType" : "java.util.List<ManagedResourceSummary>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "ManagedResourceSummaryList",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n@param
managedResourceSummaryList List of summaries of managed resources.*/",
"setterMethodName" : "setManagedResourceSummaryList",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
    "variableName" : "managedResourceSummaryList",
    "variableType" : "java.util.List<ManagedResourceSummary>",
    "documentation" : "",
    "simpleType" : "List<ManagedResourceSummary>",

"variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n<p><b>NOTE:</b>"

```

This method appends the values to the existing list (if any). Use { @link #setManagedResourceSummaryList(java.util.Collection)} or { @link #withManagedResourceSummaryList(java.util.Collection)} if you want to override the existing values.

@param managedResourceSummaryList List of summaries of managed resources.  
 @return Returns a reference to this object so that method calls can be chained together.\*"/

```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
  "variableName" : "managedResourceSummaryList",
  "variableType" : "java.util.List<ManagedResourceSummary>",
  "documentation" : "<p>List
of summaries of managed resources.</p>",
  "simpleType" : "List<ManagedResourceSummary>",
  "variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>List of tags attached to the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of tags attached to the license configuration.</p>\n@param tags List
of tags attached to the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*"/,
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/*<p>List of tags attached to the license configuration.</p>\n@return List of tags
attached to the license configuration.*"/,
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType"
: "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Tags",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Tags",

```



```

    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
    },
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,

```

```

"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,

"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method
calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",

```

```

"name" : "Tags",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of tags attached to the license configuration.</p>\n@param tags List of
tags attached to the license configuration.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of tags attached to the license
configuration.</p>\n<p><b>NOTE:</b> This method appends the values to the
existing list (if any). Use { @link #setTags(java.util.Collection) } or { @link #withTags(java.util.Collection) } if you
want to override the existing values.</p>\n@param tags List of tags attached to the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>List of tags attached to the license configuration.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "ConsumedLicenseSummaryList" : {
    "c2jName" : "ConsumedLicenseSummaryList",
    "c2jShape" : "ConsumedLicenseSummaryList",
    "deprecated" : false,
    "documentation" :
      "<p>List of summaries for consumed licenses used by various resources.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n@param consumedLicenseSummaryList List of summaries for consumed licenses used by various
resources.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withConsumedLicenseSummaryList",
    "getterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n@return List of summaries for consumed licenses used by various resources.*/",
    "getterMethodName" : "getConsumedLicenseSummaryList",

```

```

"getterModel" : {
  "returnType" : "java.util.List<ConsumedLicenseSummary>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath"
: null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ConsumedLicenseSummaryList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ConsumedLicenseSummaryList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ConsumedLicenseSummary",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation"
: "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained
together.*",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ConsumedLicenseSummary",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,

```

```

    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ConsumedLicenseSummary",
    "variableName" : "member",
    "variableType" : "ConsumedLicenseSummary",
    "documentation" : "",
    "simpleType" : "ConsumedLicenseSummary",
    "variableSetterType" : "ConsumedLicenseSummary"
  },

  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ConsumedLicenseSummary",
    "variableName" : "member",
    "variableType" : "ConsumedLicenseSummary",
    "documentation" : "",
    "simpleType" : "ConsumedLicenseSummary",
    "variableSetterType" : "ConsumedLicenseSummary"
  }

```

```

    },
    "xmlNamespaceUri" : null
  },
  "memberLocationName" : null,
  "memberType" : "ConsumedLicenseSummary",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,

  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "ConsumedLicenseSummary",
  "templateImplType" : "java.util.ArrayList<ConsumedLicenseSummary>",
  "templateType" : "java.util.List<ConsumedLicenseSummary>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "ConsumedLicenseSummaryList",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n@param consumedLicenseSummaryList List of summaries for consumed licenses used by various
resources.*/",
"setterMethodName" : "setConsumedLicenseSummaryList",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
  "variableName"
: "consumedLicenseSummaryList",
  "variableType" : "java.util.List<ConsumedLicenseSummary>",
  "documentation" : "",
  "simpleType" : "List<ConsumedLicenseSummary>",
  "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of summaries for consumed licenses used by various
resources.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setConsumedLicenseSummaryList(java.util.Collection)} or { @link
#withConsumedLicenseSummaryList(java.util.Collection)} if you want to override the existing
values.</p>\n@param consumedLicenseSummaryList List of summaries for consumed licenses used by various
resources.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable"
: {
  "timestampFormat" : null,

```

```

"variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
"variableName" : "consumedLicenseSummaryList",
"variableType" : "java.util.List<ConsumedLicenseSummary>",
"documentation" : "<p>List of summaries for consumed licenses used by various resources.</p>",
"simpleType" : "List<ConsumedLicenseSummary>",
"variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
},
"xmlNamespaceUri" : null
},
"ConsumedLicenses" : {
"c2jName" : "ConsumedLicenses",
"c2jShape" : "BoxLong",
"deprecated" : false,
"documentation" : "<p>Number of licenses assigned to resources.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@param
consumedLicenses Number of licenses assigned to resources.\n@return Returns a reference
to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withConsumedLicenses",
"getterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@return Number of licenses
assigned to resources.*",
"getterMethodName" : "getConsumedLicenses",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
},
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ConsumedLicenses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ConsumedLicenses",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,

```

```

"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "ConsumedLicenses",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@param consumedLicenses
Number of licenses assigned to resources.*/",
"setterMethodName" : "setConsumedLicenses",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "consumedLicenses",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,

"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses assigned to resources.</p>\n@param
consumedLicenses Number of licenses assigned to resources.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "consumedLicenses",
  "variableType" : "Long",
  "documentation" : "<p>Number of licenses assigned to resources.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Description of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Description of the
license configuration.</p>\n@param description Description of the license configuration.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/*<p>Description of the license configuration.</p>\n@return Description of the
license configuration.*/",
  "getterMethodName" : "getDescription",

```



```

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode"
: false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Description",
"sensitive" : false,
"setterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,

```

```

"varargSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>Description of the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"LicenseConfigurationArn" : {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the license configuration
requested.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration requested.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurationArn",
  "getterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@return ARN of the
license configuration requested.*/",
  "getterMethodName" : "getLicenseConfigurationArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location"
: null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurationArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationArn",
  "uri" : false

```

```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration requested.*/",
    "setterMethodName" : "setLicenseConfigurationArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" :
"String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>ARN of the license configuration requested.</p>\n@param
licenseConfigurationArn ARN of the license configuration requested.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "<p>ARN of the license configuration requested.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    },
    "xmlNamespaceUri" : null
},
"LicenseConfigurationId" : {
    "c2jName" : "LicenseConfigurationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique ID for the license configuration.</p>",

```

```

    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@param
licenseConfigurationId Unique ID for the license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationId",
    "getterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@return Unique ID for the
license configuration.*/",
    "getterMethodName" : "getLicenseConfigurationId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath"
: null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationId",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@param
licenseConfigurationId
Unique ID for the license configuration.*/",
    "setterMethodName" : "setLicenseConfigurationId",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationId",

```

```

    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Unique ID for the license configuration.</p>\n@param
licenseConfigurationId Unique ID for the license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationId",
    "variableType" : "String",
    "documentation" : "<p>Unique ID for the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"LicenseCount" : {
  "c2jName" : "LicenseCount",
  "c2jShape" : "BoxLong",
  "deprecated" : false,
  "documentation" : "<p>Number of available licenses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of available licenses.</p>\n@param licenseCount Number of
available licenses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseCount",
  "getterDocumentation" : "/*<p>Number of available licenses.</p>\n@return Number of available
licenses.*/",
  "getterMethodName" : "getLicenseCount",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",

```

```

    "marshallLocationName" : "LicenseCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCount",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Long",
  "marshallingType" : "LONG",
  "name" : "LicenseCount",
  "sensitive" : false,
  "setterDocumentation"
: "/*<p>Number of available licenses.</p>\n@param licenseCount Number of available licenses.*/",
  "setterMethodName" : "setLicenseCount",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Number of available licenses.</p>\n@param licenseCount Number of
available licenses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType"
: "Long",
    "documentation" : "<p>Number of available licenses.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  },
  "xmlNamespaceUri" : null
},
"LicenseCountHardLimit" : {
  "c2jName" : "LicenseCountHardLimit",

```

```

    "c2jShape" : "BoxBoolean",
    "deprecated" : false,
    "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseCountHardLimit",
    "getterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@return Sets the
number of available licenses as a hard
limit.*/",
    "getterMethodName" : "getLicenseCountHardLimit",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseCountHardLimit",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseCountHardLimit",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass"
: "Boolean",
    "marshallingType" : "BOOLEAN",
    "name" : "LicenseCountHardLimit",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.*/",
    "setterMethodName" : "setLicenseCountHardLimit",
    "setterModel" : {

```

```

    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number
of available licenses as a hard limit.\n@return Returns a reference to this object so that method calls can be chained
together.*"/,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNamespaceUri" : null
},
"LicenseCountingType" : {
  "c2jName" : "LicenseCountingType",
  "c2jShape" : "LicenseCountingType",
  "deprecated" : false,
  "documentation" : "<p>Dimension on which the licenses are counted (for example, instances, cores, sockets,
or VCPUs).</p>",
  "enumType" : "LicenseCountingType",
  "fluentSetterDocumentation" : "/*<p>Dimension on which the licenses are counted
(for example, instances, cores, sockets, or VCPUs).</p>\n@param licenseCountingType Dimension on which the
licenses are counted (for example, instances, cores, sockets, or VCPUs).\n@return Returns a reference to this object
so that method calls can be chained together.\n@see LicenseCountingType*/",
  "fluentSetterMethodName" : "withLicenseCountingType",
  "getterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances, cores,
sockets, or VCPUs).</p>\n@return Dimension on which the licenses are counted (for example, instances, cores,
sockets, or VCPUs).\n@see LicenseCountingType*/",
  "getterMethodName" : "getLicenseCountingType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,

```



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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LicenseCountingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LicenseCountingType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseCountingType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances, cores,
sockets, or VCPUs).</p>\n@param licenseCountingType Dimension on which the licenses are counted (for
example, instances,
cores, sockets, or VCPUs).\n@see LicenseCountingType*/",
"setterMethodName" : "setLicenseCountingType",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseCountingType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Dimension on which the licenses are counted (for example, instances,
cores, sockets, or VCPUs).</p>\n@param licenseCountingType Dimension on which the licenses are counted (for
example, instances, cores, sockets, or VCPUs).\n@return Returns a reference to this object so that method calls can
be chained together.\n@see LicenseCountingType*/",
"variable" : {
"timestampFormat"

```

```

: null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseCountingType",
  "variableType" : "String",
  "documentation" : "<p>Dimension on which the licenses are counted (for example, instances, cores, sockets,
or VCPUs).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"LicenseRules" : {
  "c2jName" : "LicenseRules",
  "c2jShape" : "StringList",
  "deprecated" : false,
  "documentation" : "<p>List of flexible text strings designating license rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@param
licenseRules List of flexible text strings designating license rules.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName"
: "withLicenseRules",
  "getterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@return List of
flexible text strings designating license rules.*/",
  "getterMethodName" : "getLicenseRules",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseRules",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseRules",
    "uri" : false
  },
  "idempotencyToken" : false,

```

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"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Member",

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"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseRules",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>List of flexible text strings designating license rules.</p>\n@param

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licenseRules List of flexible text strings designating license rules.*/",
    "setterMethodName" : "setLicenseRules",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<String>",
        "variableName" : "licenseRules",
        "variableType" : "java.util.List<String>",
        "documentation" : "",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>List of flexible text strings designating license
rules.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseRules(java.util.Collection)} or { @link #withLicenseRules(java.util.Collection)} if you want to override
the existing values.</p>\n@param licenseRules List of flexible text strings designating license rules.\n@return
Returns a reference to this object so that method calls can be chained
together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<String>",
        "variableName" : "licenseRules",
        "variableType" : "java.util.List<String>",
        "documentation" : "<p>List of flexible text strings designating license rules.</p>",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>"
    },
    "xmlNamespaceUri" : null
},
"ManagedResourceSummaryList" : {
    "c2jName" : "ManagedResourceSummaryList",
    "c2jShape" : "ManagedResourceSummaryList",
    "deprecated" : false,
    "documentation" : "<p>List of summaries of managed resources.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n@param
managedResourceSummaryList List of summaries of managed resources.\n@return Returns a reference to this
object
so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withManagedResourceSummaryList",
    "getterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n@return List of summaries of
managed resources.*/",
    "getterMethodName" : "getManagedResourceSummaryList",
    "getterModel" : {
        "returnType" : "java.util.List<ManagedResourceSummary>",
        "documentation" : null
    }
}

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    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ManagedResourceSummaryList",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName"
: "ManagedResourceSummaryList",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "ManagedResourceSummary",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "ManagedResourceSummary",
                "documentation" : null
            }
        },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,

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    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ManagedResourceSummary",
    "variableName" : "member",
    "variableType" : "ManagedResourceSummary",
    "documentation" : "",
    "simpleType" : "ManagedResourceSummary",
    "variableSetterType" : "ManagedResourceSummary"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ManagedResourceSummary",
    "variableName" : "member",
    "variableType" : "ManagedResourceSummary",
    "documentation" : "",
    "simpleType" : "ManagedResourceSummary",
    "variableSetterType" : "ManagedResourceSummary"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,

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"memberType" : "ManagedResourceSummary",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ManagedResourceSummary",
"templateImplType" : "java.util.ArrayList<ManagedResourceSummary>",
"templateType" : "java.util.List<ManagedResourceSummary>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass"
: "List",
"marshallingType" : "LIST",
"name" : "ManagedResourceSummaryList",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of summaries of managed resources.</p>\n@param
managedResourceSummaryList List of summaries of managed resources.*'",
"setterMethodName" : "setManagedResourceSummaryList",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
"variableName" : "managedResourceSummaryList",
"variableType" : "java.util.List<ManagedResourceSummary>",
"documentation" : "",
"simpleType" : "List<ManagedResourceSummary>",
"variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of summaries
of managed resources.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{@link #setManagedResourceSummaryList(java.util.Collection)} or {@link
#withManagedResourceSummaryList(java.util.Collection)} if you want to override the existing
values.</p>\n@param managedResourceSummaryList List of summaries of managed resources.\n@return Returns a
reference to this object so that method calls can be chained together.*'",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
"variableName" : "managedResourceSummaryList",
"variableType" : "java.util.List<ManagedResourceSummary>",
"documentation" : "<p>List of summaries of managed resources.</p>",
"simpleType" : "List<ManagedResourceSummary>",
"variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
},
},

```



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    "xmlNamespaceUri" : null
  },
  "Name" : {
    "c2jName" : "Name",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Name of the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/*<p>Name of the license configuration.</p>\n@return Name of the license
configuration.*/",
    "getterMethodName" : "getName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Name",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the license
configuration.*/",
  "setterMethodName" : "setName",

```

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"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",

"variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>Name of the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"OwnerAccountId" : {
  "c2jName" : "OwnerAccountId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Owner account ID for the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@param
ownerAccountId Owner account ID for the license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOwnerAccountId",
  "getterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@return Owner
account ID for the license configuration.*/",
  "getterMethodName" : "getOwnerAccountId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy"

```

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: false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "OwnerAccountId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OwnerAccountId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "OwnerAccountId",
"sensitive" : false,
"setterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@param
ownerAccountId Owner account ID for the license configuration.*/",
"setterMethodName" : "setOwnerAccountId",
"setterModel"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "ownerAccountId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Owner account ID for the license configuration.</p>\n@param
ownerAccountId Owner account ID for the license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "ownerAccountId",
  "variableType" : "String",
  "documentation" : "<p>Owner account ID for the license configuration.</p>",

```

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    "simpleType"
: "String",
    "variableSetterType" : "String"
},
    "xmlNamespaceUri" : null
},
"Status" : {
    "c2jName" : "Status",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>License configuration status (active, etc.).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>License configuration status (active, etc.).</p>\n@param status License
configuration status (active, etc.).\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withStatus",
    "getterDocumentation" : "/*<p>License configuration status (active, etc.).</p>\n@return License
configuration status (active, etc.).*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath"
: null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Status",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Status",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",

```

```

    "marshallingType" : "STRING",
    "name" : "Status",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>License configuration status (active, etc.).</p>\n@param status License
configuration
status (active, etc.).*/",
    "setterMethodName" : "setStatus",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "status",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>License configuration status (active, etc.).</p>\n@param status
License configuration status (active, etc.).\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "status",
        "variableType" : "String",
        "documentation" : "<p>License configuration
status (active, etc.).</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>List of tags attached to the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>List of tags attached to the license configuration.</p>\n@param tags
List of tags attached to the license configuration.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "/*<p>List of tags attached to the license configuration.</p>\n@return List of tags
attached to the license configuration.*/",
    "getterMethodName" : "getTags",
    "getterModel" : {

```

```

    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Tags",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Tags",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
    },
  },
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Tag",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,

```

```

    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,

"statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },

"shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },

```

```

    "xmlNamespaceUri" : null
  },
  "memberLocationName" : null,
  "memberType" : "Tag",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,

  "simple" : false,
  "simpleType" : "Tag",
  "templateImplType" : "java.util.ArrayList<Tag>",
  "templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Tags",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of tags attached to the license configuration.</p>\n@param tags List of
tags attached to the license configuration.*"/,
"setterMethodName" : "setTags",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of tags attached to the license
configuration.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing
values.</p>\n@param tags List of tags attached to the license configuration.\n@return Returns a reference to this
object so that method calls can be chained together.*"/,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>List of tags attached to the license configuration.</p>",
  "simpleType" : "List<Tag>",

```



```

    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetLicenseConfigurationResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "GetLicenseConfigurationResult",
  "variableName" : "getLicenseConfigurationResult",
  "variableType" : "GetLicenseConfigurationResult",
  "documentation" : null,
  "simpleType" : "GetLicenseConfigurationResult",
  "variableSetterType" : "GetLicenseConfigurationResult"
},
"wrapper" : false
},
"GetServiceSettingsRequest" : {
  "c2jName" : "GetServiceSettingsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "GetServiceSettings",
    "locationName" : null,
    "requestUri" : "/",
    "target" : "AWSLicenseManager.GetServiceSettings",

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```

    "verb" : "POST",
    "xmlNamespaceUri" : null
  },
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "GetServiceSettingsRequest",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "GetServiceSettingsRequest",
    "variableName" : "getServiceSettingsRequest",
    "variableType" : "GetServiceSettingsRequest",
    "documentation" : null,
    "simpleType" : "GetServiceSettingsRequest",
    "variableSetterType" : "GetServiceSettingsRequest"
  },
  "wrapper" : false
},
"GetServiceSettingsResult" : {
  "c2jName" : "GetServiceSettingsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "S3BucketArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Regional S3 bucket path for storing reports, license
trail event data, discovery data, etc.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data,

```

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discovery data, etc.</p>\n@param s3BucketArn Regional S3 bucket path for storing reports, license trail event data,
discovery data, etc.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "fluentSetterMethodName" : "withS3BucketArn",
  "getterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data, discovery
data, etc.</p>\n@return Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.*"/,
  "getterMethodName" : "getS3BucketArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened"
: false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "S3BucketArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "S3BucketArn",
  "uri" : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "S3BucketArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data, discovery
data, etc.</p>\n@param s3BucketArn Regional S3 bucket path for storing reports, license trail event data, discovery
data, etc.*"/,

  "setterMethodName" : "setS3BucketArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "s3BucketArn",
    "variableType" : "String",

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    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data, etc.</p>\n@param s3BucketArn Regional S3 bucket path for storing reports, license trail event data,
discovery data, etc.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "s3BucketArn",
    "variableType" : "String",
    "documentation"
  } : "<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}, {
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "SnsTopicArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>SNS topic configured to receive notifications from License Manager.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@param snsTopicArn SNS topic configured to receive notifications from License
Manager.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSnsTopicArn",
  "getterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@return SNS topic configured to receive notifications from
License Manager.*/",
  "getterMethodName" : "getSnsTopicArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,

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    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SnsTopicArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SnsTopicArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name"
: "SnsTopicArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@param snsTopicArn SNS topic configured to receive notifications from License Manager.*/",
  "setterMethodName" : "setSnsTopicArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "snsTopicArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@param snsTopicArn SNS topic configured to receive notifications from License
Manager.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "snsTopicArn",
    "variableType" : "String",
    "documentation" : "<p>SNS topic configured to receive notifications from License Manager.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null

```

```

}, {
  "c2jName" : "OrganizationConfiguration",
  "c2jShape" : "OrganizationConfiguration",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether AWS Organizations has been integrated with License Manager for
cross-account discovery.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Indicates whether AWS Organizations has been integrated with License
Manager for cross-account discovery.</p>\n@param organizationConfiguration Indicates whether AWS
Organizations has been integrated with License Manager
for cross-account discovery.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withOrganizationConfiguration",
  "getterDocumentation" : "/*<p>Indicates whether AWS Organizations has been integrated with License
Manager for cross-account discovery.</p>\n@return Indicates whether AWS Organizations has been integrated with
License Manager for cross-account discovery.*/",
  "getterMethodName" : "getOrganizationConfiguration",
  "getterModel" : {
    "returnType" : "OrganizationConfiguration",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName"
: "OrganizationConfiguration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "OrganizationConfiguration",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "OrganizationConfiguration",

```

```

"sensitive" : false,
"setterDocumentation" : "/*<p>Indicates whether AWS Organizations has been integrated with License
Manager for cross-account discovery.</p>\n@param organizationConfiguration Indicates whether AWS
Organizations has been integrated with License Manager for cross-account discovery.*/",
"setterMethodName" : "setOrganizationConfiguration",
"setterModel" : {
  "timestampFormat" : null,

"variableDeclarationType" : "OrganizationConfiguration",
  "variableName" : "organizationConfiguration",
  "variableType" : "OrganizationConfiguration",
  "documentation" : "",
  "simpleType" : "OrganizationConfiguration",
  "variableSetterType" : "OrganizationConfiguration"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Indicates whether AWS Organizations has been integrated with License
Manager for cross-account discovery.</p>\n@param organizationConfiguration Indicates whether AWS
Organizations has been integrated with License Manager for cross-account discovery.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "OrganizationConfiguration",
    "variableName" : "organizationConfiguration",
    "variableType" : "OrganizationConfiguration",
    "documentation" : "<p>Indicates whether AWS Organizations has been integrated with License Manager for
cross-account discovery.</p>",
    "simpleType" : "OrganizationConfiguration",
    "variableSetterType" : "OrganizationConfiguration"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "EnableCrossAccountsDiscovery",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether cross-account discovery has been enabled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Indicates whether cross-account discovery has been
enabled.</p>\n@param enableCrossAccountsDiscovery Indicates whether cross-account discovery has been
enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnableCrossAccountsDiscovery",
  "getterDocumentation"
: "/*<p>Indicates whether cross-account discovery has been enabled.</p>\n@return Indicates whether cross-
account discovery has been enabled.*/",
  "getterMethodName" : "getEnableCrossAccountsDiscovery",
  "getterModel" : {

```

```

    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EnableCrossAccountsDiscovery",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EnableCrossAccountsDiscovery",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Boolean",
  "marshallingType" : "BOOLEAN",
  "name" : "EnableCrossAccountsDiscovery",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Indicates whether cross-account discovery has been enabled.</p>\n@param
enableCrossAccountsDiscovery Indicates whether cross-account discovery has been enabled.*/",
  "setterMethodName" : "setEnabledCrossAccountsDiscovery",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "enableCrossAccountsDiscovery",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation"
: "/*<p>Indicates whether cross-account discovery has been enabled.</p>\n@param
enableCrossAccountsDiscovery Indicates whether cross-account discovery has been enabled.\n@return Returns a

```



reference to this object so that method calls can be chained together."/>

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableCrossAccountsDiscovery",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether cross-account discovery has been enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "EnableCrossAccountsDiscovery" : {
    "c2jName" : "EnableCrossAccountsDiscovery",
    "c2jShape" : "BoxBoolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether cross-account discovery has been enabled.</p>",

    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Indicates whether cross-account discovery has been
enabled.</p>\n@param enableCrossAccountsDiscovery Indicates whether cross-account discovery has been
enabled.\n@return Returns a reference to this object so that method calls can be chained together."/>,
    "fluentSetterMethodName" : "withEnableCrossAccountsDiscovery",
    "getterDocumentation" : "/*<p>Indicates whether cross-account discovery has been enabled.</p>\n@return
Indicates whether cross-account discovery has been enabled."/>,
    "getterMethodName" : "getEnableCrossAccountsDiscovery",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EnableCrossAccountsDiscovery",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EnableCrossAccountsDiscovery",
    "uri" : false
  },
  "idempotencyToken" : false,
```

```

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "EnableCrossAccountsDiscovery",
"sensitive" : false,
"setterDocumentation" : "/*<p>Indicates whether cross-account discovery has been enabled.</p>\n@param
enableCrossAccountsDiscovery Indicates whether cross-account discovery has been enabled.*/",
"setterMethodName" : "setEnabledCrossAccountsDiscovery",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableCrossAccountsDiscovery",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Indicates whether cross-account discovery has been
enabled.</p>\n@param enableCrossAccountsDiscovery Indicates whether cross-account discovery has been
enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableCrossAccountsDiscovery",
  "variableType" : "Boolean",

"documentation" : "<p>Indicates whether cross-account discovery has been enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null
},
"OrganizationConfiguration" : {
  "c2jName" : "OrganizationConfiguration",
  "c2jShape" : "OrganizationConfiguration",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether AWS Organizations has been integrated with License Manager for
cross-account discovery.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Indicates whether AWS Organizations has been integrated with License

```

Manager for cross-account discovery.

`@param organizationConfiguration` Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery.

`@return` Returns a reference to this object so that method calls can be chained together.

```

"fluentSetterMethodName"
: "withOrganizationConfiguration",
"getterDocumentation" : "Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery."
,
"getterMethodName" : "getOrganizationConfiguration",
"getterModel" : {
"returnType" : "OrganizationConfiguration",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "OrganizationConfiguration",
"queryString" : false,
"statusCode" : false,

"unmarshallLocationName" : "OrganizationConfiguration",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "OrganizationConfiguration",
"sensitive" : false,
"setterDocumentation" : "Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery."
,
"setterMethodName" : "setOrganizationConfiguration",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "OrganizationConfiguration",

```

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    "variableName"
: "organizationConfiguration",
    "variableType" : "OrganizationConfiguration",
    "documentation" : "",
    "simpleType" : "OrganizationConfiguration",
    "variableSetterType" : "OrganizationConfiguration"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery.</p>\n@param organizationConfiguration Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "OrganizationConfiguration",
    "variableName" : "organizationConfiguration",
    "variableType" : "OrganizationConfiguration",
    "documentation" : "<p>Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery.</p>",
    "simpleType" : "OrganizationConfiguration",
    "variableSetterType" : "OrganizationConfiguration"
  },
  "xmlNamespaceUri" : null
},
"S3BucketArn" : {
  "c2jName" : "S3BucketArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.</p>\n@param s3BucketArn Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName"
: "withS3BucketArn",
  "getterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.</p>\n@return Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.*/",
  "getterMethodName" : "getS3BucketArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "S3BucketArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "S3BucketArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "S3BucketArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.</p>\n@param s3BucketArn Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.*/",
  "setterMethodName" : "setS3BucketArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "s3BucketArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.</p>\n@param s3BucketArn Regional S3 bucket path for storing reports, license trail event data, discovery data, etc.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "s3BucketArn",

```

```

    "variableType" : "String",
    "documentation" : "<p>Regional S3 bucket path for storing reports, license trail event data, discovery data,
etc.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"SnsTopicArn" : {
  "c2jName" : "SnsTopicArn",

  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>SNS topic configured to receive notifications from License Manager.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@param snsTopicArn SNS topic configured to receive notifications from License
Manager.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSnsTopicArn",
  "getterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@return SNS topic configured to receive notifications from License Manager.*/",
  "getterMethodName" : "getSnsTopicArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath"
: null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SnsTopicArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SnsTopicArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,

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"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "SnsTopicArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@param snsTopicArn SNS topic configured to receive
notifications from License Manager.*/",
"setterMethodName" : "setSnsTopicArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "snsTopicArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>SNS topic configured to receive notifications from License
Manager.</p>\n@param snsTopicArn SNS topic configured to receive notifications from License
Manager.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "snsTopicArn",
  "variableType"
: "String",
  "documentation" : "<p>SNS topic configured to receive notifications from License Manager.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetServiceSettingsResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

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"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "GetServiceSettingsResult",
  "variableName" : "getServiceSettingsResult",
  "variableType" : "GetServiceSettingsResult",
  "documentation" : null,
  "simpleType" : "GetServiceSettingsResult",
  "variableSetterType" : "GetServiceSettingsResult"
},
"wrapper" : false
},
"InvalidParameterValueException"
: {
  "c2jName" : "InvalidParameterValueException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>One or more parameter values are not valid.</p>",
  "enums" : null,
  "errorCode" : "InvalidParameterValueException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "InvalidParameterValueException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType"
: "InvalidParameterValueException",
    "variableName" : "invalidParameterValueException",
    "variableType" : "InvalidParameterValueException",
    "documentation" : null,
    "simpleType" : "InvalidParameterValueException",
    "variableSetterType" : "InvalidParameterValueException"
  },

```



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"wrapper" : false
},
"InvalidResourceStateException" : {
  "c2jName" : "InvalidResourceStateException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>License Manager cannot allocate a license to a resource because of its state. </p> <p>For
example, you cannot allocate a license to an instance in the process of shutting down.</p>",
  "enums" : null,
  "errorCode" : "InvalidResourceStateException",
  "hasHeaderMember"
: false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "InvalidResourceStateException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "InvalidResourceStateException",
    "variableName" : "invalidResourceStateException",
    "variableType" : "InvalidResourceStateException",
    "documentation" : null,
    "simpleType" : "InvalidResourceStateException",
    "variableSetterType" : "InvalidResourceStateException"
  },
  "wrapper" : false
},
"InventoryFilter" : {
  "c2jName" : "InventoryFilter",
  "customization" : {
    "artificialResultWrapper" : null,

"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,

```

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    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>An inventory filter object.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Name",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the filter.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The name of the filter.</p>\n@param name The name of the
filter.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/*<p>The name of the filter.</p>\n@return The name of the filter.*/",

    "getterMethodName" : "getName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,

```

```

"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Name",
"sensitive" : false,

"setterDocumentation" : "/*<p>The name of the filter.</p>\n@param name The name of the filter.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>The name of the filter.</p>\n@param name The name of the
filter.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The name of the filter.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "Condition",
  "c2jShape" : "InventoryFilterCondition",
  "deprecated" : false,
  "documentation" : "<p>The condition of the filter.</p>",
  "enumType" : "InventoryFilterCondition",
  "fluentSetterDocumentation" : "/*<p>The condition of the filter.</p>\n@param condition The condition of the
filter.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
InventoryFilterCondition*/",
  "fluentSetterMethodName" : "withCondition",
  "getterDocumentation" : "/*<p>The condition of the filter.</p>\n@return The condition of the filter.\n@see
InventoryFilterCondition*/",
  "getterMethodName" : "getCondition",
  "getterModel" : {
    "returnType" : "String",

```

```

    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath"
: null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Condition",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Condition",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Condition",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The condition of the filter.</p>\n@param condition The condition of the
filter.\n@see InventoryFilterCondition*/",
  "setterMethodName"
: "setCondition",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "condition",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>The condition of the filter.</p>\n@param condition The condition of
the filter.\n@return Returns a reference to this object so that method calls can be chained together.\n@see

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InventoryFilterCondition*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "condition",
    "variableType" : "String",
    "documentation" : "<p>The condition of the filter.</p>",
    "simpleType" : "String",
    "variableSetterType"
: "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "Value",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Value of the filter.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Value of the filter.</p>\n@param value Value of the filter.\n@return
Returns a reference to this object so that method calls can be chained together.*",
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/*<p>Value of the filter.</p>\n@return Value of the filter.*",
  "getterMethodName" : "getValue",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Value",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,

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"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "/*<p>Value of the filter.</p>\n@param value Value of the filter.*/",
"setterMethodName" : "setValue",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType"
: "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Value of the filter.</p>\n@param value Value of the filter.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>Value of the filter.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "Condition" : {
    "c2jName" : "Condition",
    "c2jShape" : "InventoryFilterCondition",
    "deprecated" : false,
    "documentation" : "<p>The condition of the filter.</p>",
    "enumType" : "InventoryFilterCondition",
    "fluentSetterDocumentation" : "/*<p>The condition of the filter.</p>\n@param condition The condition of
the filter.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
InventoryFilterCondition*/",
    "fluentSetterMethodName" : "withCondition",
    "getterDocumentation" : "/*<p>The condition of the filter.</p>\n@return The condition of the filter.\n@see
InventoryFilterCondition*/",
    "getterMethodName" : "getCondition",

```

```

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName"
: "Condition",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Condition",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Condition",
"sensitive" : false,
"setterDocumentation" : "/*<p>The condition of the filter.</p>\n@param condition The condition of the
filter.\n@see InventoryFilterCondition*/",
"setterMethodName" : "setCondition",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "condition",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" :
"String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,

```

```

"varargSetterDocumentation" : "/*<p>The condition of the filter.</p>\n@param condition The condition of
the filter.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
InventoryFilterCondition*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "condition",
    "variableType" : "String",
    "documentation" : "<p>The condition of the filter.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the filter.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The name of the filter.</p>\n@param name The name of the
filter.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/*<p>The name of the filter.</p>\n@return The name of the filter.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,

"statusCode" : false,
  "unmarshallLocationName" : "Name",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,

```



```

"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Name",
"sensitive" : false,
"setterDocumentation" : "/*<p>The name of the filter.</p>\n@param name The name of the filter.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple"
: true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>The name of the filter.</p>\n@param name The name of the
filter.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The name of the filter.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"Value" : {
  "c2jName" : "Value",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Value of the filter.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Value of the filter.</p>\n@param value Value of the filter.\n@return
Returns a reference to this object
so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/*<p>Value of the filter.</p>\n@return Value of the filter.*/"

```

```

"getterMethodName" : "getValue",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue"
: false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "/*<p>Value of the filter.</p>\n@param value Value of the filter.*/",
"setterMethodName" : "setValue",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Value of the filter.</p>\n@param value Value of the filter.\n@return

```

Returns a reference to this object

so that method calls can be chained together.`*/`

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>Value of the filter.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Name", "Condition" ],
"shapeName" : "InventoryFilter",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "InventoryFilter",
  "variableName" : "inventoryFilter",
  "variableType" : "InventoryFilter",
  "documentation" : null,
"simpleType" : "InventoryFilter",
  "variableSetterType" : "InventoryFilter"
},
"wrapper" : false
},
"InventoryFilterCondition" : {
  "c2jName" : "InventoryFilterCondition",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "EQUALS",
```

```

    "value" : "EQUALS"
  }, {
    "name" : "NOT_EQUALS",
    "value" : "NOT_EQUALS"
  }, {
    "name" : "BEGINS_WITH",
    "value" : "BEGINS_WITH"
  }, {
    "name" : "CONTAINS",
    "value" : "CONTAINS"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap"
: { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "InventoryFilterCondition",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "InventoryFilterCondition",
    "variableName" : "inventoryFilterCondition",
    "variableType" : "InventoryFilterCondition",
    "documentation" : null,
    "simpleType" : "InventoryFilterCondition",
    "variableSetterType" : "InventoryFilterCondition"
  },
  "wrapper" : false
},
"LicenseConfiguration" : {
  "c2jName" : "LicenseConfiguration",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}

```

```

    },
    "deprecated" : false,
    "documentation" : "<p>A license configuration is an abstraction of a customer license agreement that can be
consumed and enforced by License Manager. Components include specifications for the license type (licensing by
instance, socket, CPU, or VCPU), tenancy (shared tenancy, Amazon EC2 Dedicated Instance, Amazon EC2
Dedicated Host, or any of these), host affinity (how long a VM must be associated with a host), the number of
licenses purchased and used.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "LicenseConfigurationId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>",
        "enumType" : null,
        "fluentSetterDocumentation"
: "/*<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>\n@param licenseConfigurationId
Unique ID of the <code>LicenseConfiguration</code> object.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withLicenseConfigurationId",
        "getterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>\n@return
Unique ID of the <code>LicenseConfiguration</code> object.*/",
        "getterMethodName" : "getLicenseConfigurationId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",

        "marshallLocationName" : "LicenseConfigurationId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationId",

```

```

    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationId",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationId Unique ID of the <code>LicenseConfiguration</code> object.*/",
  "setterMethodName" : "setLicenseConfigurationId",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationId",
    "variableType"
: "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationId Unique ID of the <code>LicenseConfiguration</code>
object.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationId",
    "variableType" : "String",
    "documentation" : "<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
  "enumType" : null,

```

```

    "fluentSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@return ARN
of the <code>LicenseConfiguration</code> object.*/",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened"
: false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationArn",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationArn",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.*/",
    "setterMethodName" : "setLicenseConfigurationArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : ""

```

```

    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the <code>LicenseConfiguration</code>
object.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Name of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/*<p>Name of the license configuration.</p>\n@return Name of the license
configuration.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",

```



```

    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Name",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the license
configuration.*/",
  "setterMethodName" : "setName",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType"
: "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "<p>Name of the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "Description",
  "c2jShape" : "String",

```

```

"deprecated" : false,
  "documentation" : "<p>Description of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/*<p>Description of the license configuration.</p>\n@return Description of the
license configuration.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location"
: null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Description",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Description",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.*/",
  "setterMethodName" : "setDescription",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",

```

```

    "variableName" : "description",
    "variableType" : "String",
    "documentation"
: "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "<p>Description of the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "LicenseCountingType",
    "c2jShape" : "LicenseCountingType",
    "deprecated" : false,
    "documentation" :
"<p>Dimension to use to track license inventory.</p>",
    "enumType" : "LicenseCountingType",
    "fluentSetterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@param
licenseCountingType Dimension to use to track license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
    "fluentSetterMethodName" : "withLicenseCountingType",
    "getterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@return Dimension to use
to track license inventory.\n@see LicenseCountingType*/",
    "getterMethodName" : "getLicenseCountingType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload"

```

```

: false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCountingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCountingType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseCountingType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@param
licenseCountingType Dimension to use to track license inventory.\n@see LicenseCountingType*/",
"setterMethodName" : "setLicenseCountingType",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType"
: "String",
  "variableName" : "licenseCountingType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@param
licenseCountingType Dimension to use to track license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseCountingType",
  "variableType" : "String",
  "documentation" : "<p>Dimension to use to track license inventory.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}

```

```

    },
    "xmlNamespaceUri" : null
  }, {
    "c2jName" : "LicenseRules",
    "c2jShape" : "StringList",
    "deprecated" : false,
    "documentation" : "<p>Array of configured License Manager rules.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@param licenseRules
Array of configured License Manager rules.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withLicenseRules",
    "getterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@return Array of
configured License Manager rules.*/",
    "getterMethodName" : "getLicenseRules",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened"
    }
  } : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseRules",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseRules",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : ""
    }
  }

```

```

"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,

"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",

```

```

    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {

"timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseRules",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>Array of configured License Manager rules.</p>\n@param licenseRules Array
of configured License Manager rules.*/",
"setterMethodName" : "setLicenseRules",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseRules",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}

```

```

    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link #setLicenseRules(java.util.Collection)} or
{ @link #withLicenseRules(java.util.Collection)} if you want to
override the existing values.</p>\n@param licenseRules Array of configured License Manager rules.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<String>",
        "variableName" : "licenseRules",
        "variableType" : "java.util.List<String>",
        "documentation" : "<p>Array of configured License Manager rules.</p>",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "LicenseCount",
    "c2jShape" : "BoxLong",
    "deprecated" : false,
    "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number
of licenses managed by the license configuration.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseCount",
    "getterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@return
Number of licenses managed by the license configuration.*/",
    "getterMethodName" : "getLicenseCount",
    "getterModel" : {
        "returnType" : "Long",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseCount",

```



```

    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName"
: "LicenseCount",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "LicenseCount",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@param
licenseCount Number of licenses managed by the license configuration.*/",
"setterMethodName" : "setLicenseCount",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
}, {
    "c2jName" : "LicenseCountHardLimit",
    "c2jShape" : "BoxBoolean",

```

```

"deprecated" : false,
"documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Sets
the number of available licenses as a hard limit.</p>\n@param licenseCountHardLimit Sets the number of available
licenses as a hard limit.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseCountHardLimit",
"getterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@return Sets the
number of available licenses as a hard limit.*/",
"getterMethodName" : "getLicenseCountHardLimit",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCountHardLimit",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCountHardLimit",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "LicenseCountHardLimit",
"sensitive" : false,
"setterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.*/",
"setterMethodName" : "setLicenseCountHardLimit",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "licenseCountHardLimit",

```

```

    "variableType" : "Boolean",
    "documentation"
: "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null
}, {
    "c2jName" : "ConsumedLicenses",
    "c2jShape" : "BoxLong",
    "deprecated"
: false,
    "documentation" : "<p>Number of licenses consumed. </p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@param consumedLicenses
Number of licenses consumed.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withConsumedLicenses",
    "getterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@return Number of licenses
consumed.*/",
    "getterMethodName" : "getConsumedLicenses",
    "getterModel" : {
        "returnType" : "Long",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,

```

```

"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ConsumedLicenses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ConsumedLicenses",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "ConsumedLicenses",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@param consumedLicenses Number of
licenses consumed.*/",
"setterMethodName" : "setConsumedLicenses",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "Long",
"variableName" : "consumedLicenses",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",

"variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@param consumedLicenses
Number of licenses consumed.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "Long",
"variableName" : "consumedLicenses",
"variableType" : "Long",
"documentation" : "<p>Number of licenses consumed. </p>",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNamespaceUri" : null

```

```

}, {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Status of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Status
of the license configuration.</p>\n@param status Status of the license configuration.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/*<p>Status of the license configuration.</p>\n@return Status of the license
configuration.*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Status",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Status of the license configuration.</p>\n@param status Status of the license
configuration.*/",
  "setterMethodName" : "setStatus",
  "setterModel" : {

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    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Status
of the license configuration.</p>\n@param status Status of the license configuration.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "<p>Status of the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "OwnerAccountId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Account ID of the license configuration's owner.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Account ID of the license configuration's owner.</p>\n@param
ownerAccountId Account ID of the license configuration's owner.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOwnerAccountId",
  "getterDocumentation" : "/*<p>Account ID of the license configuration's owner.</p>\n@return Account ID of
the license configuration's owner.*/",
  "getterMethodName" : "getOwnerAccountId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,

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    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "OwnerAccountId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "OwnerAccountId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "OwnerAccountId",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Account ID of the license configuration's owner.</p>\n@param
ownerAccountId Account ID of the license configuration's owner.*/",
  "setterMethodName" : "setOwnerAccountId",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "ownerAccountId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Account ID
of the license configuration's owner.</p>\n@param ownerAccountId Account ID of the license configuration's
owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "ownerAccountId",
    "variableType" : "String",
    "documentation" : "<p>Account ID of the license configuration's owner.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null

```

```

}, {
  "c2jName" : "ConsumedLicenseSummaryList",
  "c2jShape" : "ConsumedLicenseSummaryList",
  "deprecated" : false,
  "documentation" : "<p>List of summaries for licenses consumed by various resources.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of summaries for licenses consumed by various
resources.</p>\n@param consumedLicenseSummaryList
List of summaries for licenses consumed by various resources.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withConsumedLicenseSummaryList",
  "getterDocumentation" : "/*<p>List of summaries for licenses consumed by various resources.</p>\n@return
List of summaries for licenses consumed by various resources.*/",
  "getterMethodName" : "getConsumedLicenseSummaryList",
  "getterModel" : {
    "returnType" : "java.util.List<ConsumedLicenseSummary>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ConsumedLicenseSummaryList",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ConsumedLicenseSummaryList",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ConsumedLicenseSummary",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that

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```

method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType"
: "ConsumedLicenseSummary",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "ConsumedLicenseSummary",
        "variableName" : "member",
        "variableType" : "ConsumedLicenseSummary",
        "documentation" : "",
        "simpleType" : "ConsumedLicenseSummary",
        "variableSetterType" : "ConsumedLicenseSummary"
    },
    "shouldEmitLegacyEnumSetter" : false,

```

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    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "ConsumedLicenseSummary",

"variableName" : "member",
        "variableType" : "ConsumedLicenseSummary",
        "documentation" : "",
        "simpleType" : "ConsumedLicenseSummary",
        "variableSetterType" : "ConsumedLicenseSummary"
    },
    "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ConsumedLicenseSummary",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ConsumedLicenseSummary",
"templateImplType" : "java.util.ArrayList<ConsumedLicenseSummary>",
"templateType" : "java.util.List<ConsumedLicenseSummary>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name"
: "ConsumedLicenseSummaryList",
    "sensitive" : false,
    "setterDocumentation" : "/**\n<p>List of summaries for licenses consumed by various resources.</p>\n@param
consumedLicenseSummaryList List of summaries for licenses consumed by various resources.*/",
    "setterMethodName" : "setConsumedLicenseSummaryList",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
        "variableName" : "consumedLicenseSummaryList",
        "variableType" : "java.util.List<ConsumedLicenseSummary>",
        "documentation" : "",
        "simpleType" : "List<ConsumedLicenseSummary>",
        "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
    },
    "shouldEmitLegacyEnumSetter" : false,

```

```

    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>List of summaries for licenses consumed by various
resources.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link
#setConsumedLicenseSummaryList(java.util.Collection)} or { @link
#withConsumedLicenseSummaryList(java.util.Collection)} if you want to override the existing
values.</p>\n@param consumedLicenseSummaryList List of summaries for licenses consumed by various
resources.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
        "variableName" : "consumedLicenseSummaryList",
        "variableType" : "java.util.List<ConsumedLicenseSummary>",
        "documentation" : "<p>List of summaries for licenses consumed by various resources.</p>",
        "simpleType" : "List<ConsumedLicenseSummary>",
        "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
    },
    "xmlNamespaceUri" : null

}, {
    "c2jName" : "ManagedResourceSummaryList",
    "c2jShape" : "ManagedResourceSummaryList",
    "deprecated" : false,
    "documentation" : "<p>List of summaries for managed resources.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n@param
managedResourceSummaryList List of summaries for managed resources.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withManagedResourceSummaryList",
    "getterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n@return List of summaries for
managed resources.*/",
    "getterMethodName" : "getManagedResourceSummaryList",
    "getterModel" : {
        "returnType" : "java.util.List<ManagedResourceSummary>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath"
: null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",

```

```

"marshallLocationName" : "ManagedResourceSummaryList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ManagedResourceSummaryList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ManagedResourceSummary",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns
a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ManagedResourceSummary",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,

```

```

"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ManagedResourceSummary",
  "variableName" : "member",
  "variableType" : "ManagedResourceSummary",
  "documentation" : "",
  "simpleType" : "ManagedResourceSummary",
  "variableSetterType" : "ManagedResourceSummary"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation"
: "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ManagedResourceSummary",
  "variableName" : "member",
  "variableType" : "ManagedResourceSummary",
  "documentation" : "",
  "simpleType" : "ManagedResourceSummary",
  "variableSetterType" : "ManagedResourceSummary"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ManagedResourceSummary",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ManagedResourceSummary",

"templateImplType" : "java.util.ArrayList<ManagedResourceSummary>",
"templateType" : "java.util.List<ManagedResourceSummary>"
},

```

```

"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "ManagedResourceSummaryList",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n@param
managedResourceSummaryList List of summaries for managed resources.*/",
"setterMethodName" : "setManagedResourceSummaryList",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
  "variableName" : "managedResourceSummaryList",
  "variableType" : "java.util.List<ManagedResourceSummary>",
  "documentation" : "",
  "simpleType" : "List<ManagedResourceSummary>",
  "variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link
#setManagedResourceSummaryList(java.util.Collection)} or { @link
#withManagedResourceSummaryList(java.util.Collection)} if you want to override the existing
values.</p>\n@param managedResourceSummaryList List of summaries for managed resources.\n@return Returns
a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
  "variableName" : "managedResourceSummaryList",
  "variableType" : "java.util.List<ManagedResourceSummary>",
  "documentation" : "<p>List of summaries for managed resources.</p>",
  "simpleType" : "List<ManagedResourceSummary>",
  "variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "ConsumedLicenseSummaryList" : {
    "c2jName" : "ConsumedLicenseSummaryList",
    "c2jShape" : "ConsumedLicenseSummaryList",
    "deprecated" : false,
    "documentation" : "<p>List of summaries for licenses consumed by various resources.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>List of summaries for licenses consumed by various
resources.</p>\n@param consumedLicenseSummaryList List of summaries for licenses consumed by various

```

```

resources.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withConsumedLicenseSummaryList",
    "getterDocumentation" : "/*<p>List of summaries for licenses consumed by various resources.</p>\n@return
List of summaries for licenses consumed by various resources.*/",
    "getterMethodName" : "getConsumedLicenseSummaryList",
    "getterModel" : {
        "returnType" : "java.util.List<ConsumedLicenseSummary>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ConsumedLicenseSummaryList",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ConsumedLicenseSummaryList",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list"
: true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "ConsumedLicenseSummary",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*&#x0A;@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/*&#x0A;@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "ConsumedLicenseSummary",
                "documentation" : null
            },
        },
    },

```

```

    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,

"greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" :
{
      "timestampFormat" : null,
      "variableDeclarationType" : "ConsumedLicenseSummary",
      "variableName" : "member",
      "variableType" : "ConsumedLicenseSummary",
      "documentation" : "",
      "simpleType" : "ConsumedLicenseSummary",
      "variableSetterType" : "ConsumedLicenseSummary"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "ConsumedLicenseSummary",

```



```

    "variableName" : "member",
    "variableType" : "ConsumedLicenseSummary",
    "documentation" : "",
    "simpleType" : "ConsumedLicenseSummary",
    "variableSetterType" : "ConsumedLicenseSummary"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ConsumedLicenseSummary",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ConsumedLicenseSummary",
"templateImplType" : "java.util.ArrayList<ConsumedLicenseSummary>",
"templateType" : "java.util.List<ConsumedLicenseSummary>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "ConsumedLicenseSummaryList",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of summaries
for licenses consumed by various resources.</p>\n@param consumedLicenseSummaryList List of summaries for
licenses consumed by various resources.*/",
"setterMethodName" : "setConsumedLicenseSummaryList",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
  "variableName" : "consumedLicenseSummaryList",
  "variableType" : "java.util.List<ConsumedLicenseSummary>",
  "documentation" : "",
  "simpleType" : "List<ConsumedLicenseSummary>",
  "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of summaries for licenses consumed by various
resources.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setConsumedLicenseSummaryList(java.util.Collection)} or { @link
#withConsumedLicenseSummaryList(java.util.Collection)} if you want to override the existing
values.</p>\n@param consumedLicenseSummaryList List of summaries for licenses consumed by various
resources.\n@return Returns a reference to this object so that method calls can be chained together.*/",

```

```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ConsumedLicenseSummary>",
  "variableName" : "consumedLicenseSummaryList",
  "variableType" : "java.util.List<ConsumedLicenseSummary>",
  "documentation" : "<p>List of summaries for licenses consumed by various resources.</p>",
  "simpleType" : "List<ConsumedLicenseSummary>",
  "variableSetterType" : "java.util.Collection<ConsumedLicenseSummary>"
},
"xmlNamespaceUri" : null
},
"ConsumedLicenses" : {
  "c2jName" : "ConsumedLicenses",
  "c2jShape" : "BoxLong",
  "deprecated" : false,
  "documentation" : "<p>Number of licenses consumed. </p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@param consumedLicenses
Number of licenses consumed.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withConsumedLicenses",
  "getterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@return Number of licenses
consumed.*/",
  "getterMethodName" : "getConsumedLicenses",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,

"isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ConsumedLicenses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ConsumedLicenses",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,

```

```

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "ConsumedLicenses",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@param consumedLicenses Number of
licenses consumed.*/",
"setterMethodName" : "setConsumedLicenses",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",

"variableName" : "consumedLicenses",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses consumed. </p>\n@param consumedLicenses
Number of licenses consumed.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "consumedLicenses",
  "variableType" : "Long",
  "documentation" : "<p>Number of licenses consumed. </p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Description of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withDescription",

```

```

"getterDocumentation" : "/*<p>Description of the license configuration.</p>\n@return Description of the
license configuration.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Description",
"sensitive" : false,
"setterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "timestampFormat" : null,

"variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,

```

```

    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Description of the license configuration.</p>\n@param description
Description of the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "<p>Description of the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri"
: null
},
"LicenseConfigurationArn" : {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@return
ARN of the <code>LicenseConfiguration</code> object.*/",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,

```

```

    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN
of the <code>LicenseConfiguration</code> object.</p>\n@param licenseConfigurationArn ARN of the
<code>LicenseConfiguration</code> object.*'",
  "setterMethodName" : "setLicenseConfigurationArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return
Returns a reference to this object so that method calls can be chained together.*'",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"LicenseConfigurationId" : {
  "c2jName" : "LicenseConfigurationId",
  "c2jShape" : "String",
  "deprecated" : false,

```

```

    "documentation" : "<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationId Unique ID of the <code>LicenseConfiguration</code>
object.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationId",
    "getterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code>
object.</p>\n@return Unique ID of the <code>LicenseConfiguration</code> object.*/",
    "getterMethodName" : "getLicenseConfigurationId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationId",
        "uri" : false
    },
    "idempotencyToken" : false,

    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationId",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationId Unique ID of the <code>LicenseConfiguration</code> object.*/",
    "setterMethodName" : "setLicenseConfigurationId",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationId",

```

```

    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Unique ID of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationId Unique ID of the <code>LicenseConfiguration</code>
object.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationId",
    "variableType" : "String",
    "documentation" : "<p>Unique ID of the <code>LicenseConfiguration</code> object.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"LicenseCount" : {
  "c2jName" : "LicenseCount",
  "c2jShape" : "BoxLong",
  "deprecated" : false,
  "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseCount",
  "getterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@return
Number of licenses managed by the license configuration.*/",
  "getterMethodName" : "getLicenseCount",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location"

```



```

: null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "LicenseCount",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses managed by the license configuration.</p>\n@param
licenseCount Number of licenses managed by the license configuration.*/",
"setterMethodName" : "setLicenseCount",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName"
: "licenseCount",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses managed by the license
configuration.</p>\n@param licenseCount Number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "licenseCount",
  "variableType" : "Long",
  "documentation" : "<p>Number of licenses managed by the license configuration.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null

```

```

},
"LicenseCountHardLimit" : {
  "c2jName" : "LicenseCountHardLimit",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseCountHardLimit",
  "getterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@return Sets the
number of available licenses as a hard limit.*/",
  "getterMethodName" : "getLicenseCountHardLimit",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
},
"http" : {

"additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseCountHardLimit",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseCountHardLimit",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "LicenseCountHardLimit",
"sensitive" : false,
"setterDocumentation" : "/*<p>Sets the number of available

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licenses as a hard limit.</p>\n@param licenseCountHardLimit Sets the number of available licenses as a hard limit.\*/"

```
"setterMethodName" : "setLicenseCountHardLimit",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "licenseCountHardLimit",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/"
```

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType"
: "Boolean",
  "variableName" : "licenseCountHardLimit",
  "variableType" : "Boolean",
  "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null
},
"LicenseCountingType" : {
  "c2jName" : "LicenseCountingType",
  "c2jShape" : "LicenseCountingType",
  "deprecated" : false,
  "documentation" : "<p>Dimension to use to track license inventory.</p>",
  "enumType" : "LicenseCountingType",
  "fluentSetterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@param
licenseCountingType Dimension to use to track license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
  "fluentSetterMethodName" : "withLicenseCountingType",
  "getterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@return Dimension to use
to track license inventory.\n@see LicenseCountingType*/",
  "getterMethodName" : "getLicenseCountingType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
```

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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LicenseCountingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LicenseCountingType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseCountingType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@param
licenseCountingType Dimension to use to track license inventory.\n@see LicenseCountingType*/",
"setterMethodName" : "setLicenseCountingType",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseCountingType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Dimension to use to track license inventory.</p>\n@param
licenseCountingType Dimension to use to track license inventory.\n@return Returns a reference to this object so
that method calls can be chained together.\n@see LicenseCountingType*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseCountingType",

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```

    "variableType" : "String",
    "documentation" : "<p>Dimension to use to track license inventory.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"LicenseRules" : {
  "c2jName" : "LicenseRules",
  "c2jShape" : "StringList",
  "deprecated" : false,
  "documentation" : "<p>Array of configured License Manager rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation"
: "/*<p>Array of configured License Manager rules.</p>\n@param licenseRules Array of configured License
Manager rules.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseRules",
  "getterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n@return Array of
configured License Manager rules.*/",
  "getterMethodName" : "getLicenseRules",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseRules",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseRules",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {

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    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType"
: "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType"
: "STRING",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",

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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName"
: "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseRules",
"sensitive" : false,
"setterDocumentation"
: "/**\n<p>Array of configured License Manager rules.</p>\n@param licenseRules Array of configured License
Manager rules.*/",
"setterMethodName" : "setLicenseRules",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",

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    "variableName" : "licenseRules",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Array of configured License Manager rules.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link #setLicenseRules(java.util.Collection)} or
{ @link #withLicenseRules(java.util.Collection)} if you want to override the existing values.</p>\n@param
licenseRules Array of configured License Manager rules.\n@return Returns a reference to this object so that
method calls can be chained together.*"/,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "licenseRules",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Array of configured License Manager rules.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlNamespaceUri" : null
},
"ManagedResourceSummaryList" : {
  "c2jName" : "ManagedResourceSummaryList",
  "c2jShape" : "ManagedResourceSummaryList",
  "deprecated" : false,
  "documentation" : "<p>List of summaries for managed resources.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of summaries for
managed resources.</p>\n@param managedResourceSummaryList List of summaries for managed
resources.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "fluentSetterMethodName" : "withManagedResourceSummaryList",
  "getterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n@return List of summaries
for managed resources.*"/,
  "getterMethodName" : "getManagedResourceSummaryList",
  "getterModel" : {
    "returnType" : "java.util.List<ManagedResourceSummary>",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,

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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName"
: "ManagedResourceSummaryList",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ManagedResourceSummaryList",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "ManagedResourceSummary",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "ManagedResourceSummary",
            "documentation" : null
        },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false

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    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel"
: null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "ManagedResourceSummary",
        "variableName" : "member",
        "variableType" : "ManagedResourceSummary",
        "documentation" : "",
        "simpleType" : "ManagedResourceSummary",
        "variableSetterType" : "ManagedResourceSummary"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "ManagedResourceSummary",
        "variableName" : "member",
        "variableType" : "ManagedResourceSummary",
        "documentation" : "",
        "simpleType" : "ManagedResourceSummary",
        "variableSetterType" : "ManagedResourceSummary"
    },
    "xmlNamespaceUri" : null
},
    "memberLocationName" : null,
    "memberType" : "ManagedResourceSummary",
    "map" : false,
    "marshallNonAutoConstructedEmptyLists" : false,
    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,

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    "simpleType" : "ManagedResourceSummary",
    "templateImplType" : "java.util.ArrayList<ManagedResourceSummary>",
    "templateType"
: "java.util.List<ManagedResourceSummary>"
    },
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "List",
    "marshallingType" : "LIST",
    "name" : "ManagedResourceSummaryList",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n@param
managedResourceSummaryList List of summaries for managed resources.*/",
    "setterMethodName" : "setManagedResourceSummaryList",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
        "variableName" : "managedResourceSummaryList",
        "variableType" : "java.util.List<ManagedResourceSummary>",
        "documentation" : "",
        "simpleType" : "List<ManagedResourceSummary>",
        "variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
    },
    "shouldEmitLegacyEnumSetter"
: false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>List of summaries for managed resources.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link
#setManagedResourceSummaryList(java.util.Collection)} or { @link
#withManagedResourceSummaryList(java.util.Collection)} if you want to override the existing
values.</p>\n@param managedResourceSummaryList List of summaries for managed resources.\n@return Returns
a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<ManagedResourceSummary>",
        "variableName" : "managedResourceSummaryList",
        "variableType" : "java.util.List<ManagedResourceSummary>",
        "documentation" : "<p>List of summaries for managed resources.</p>",
        "simpleType" : "List<ManagedResourceSummary>",
        "variableSetterType" : "java.util.Collection<ManagedResourceSummary>"
    },
    "xmlNamespaceUri" : null
},
"Name" : {
    "c2jName" : "Name",
    "c2jShape" : "String",
    "deprecated" : false,

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    "documentation" : "<p>Name of the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/*<p>Name of the license configuration.</p>\n@return Name of the license
configuration.*/",
    "getterMethodName" : "getName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" :
null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Name",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Name",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Name",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the license
configuration.*/",
    "setterMethodName"
: "setName",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "name",

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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Name of the license configuration.</p>\n@param name Name of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "<p>Name of the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType"
: "String"
  },
  "xmlNamespaceUri" : null
},
"OwnerAccountId" : {
  "c2jName" : "OwnerAccountId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Account ID of the license configuration's owner.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Account ID of the license configuration's owner.</p>\n@param
ownerAccountId Account ID of the license configuration's owner.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOwnerAccountId",
  "getterDocumentation" : "/*<p>Account ID of the license configuration's owner.</p>\n@return Account ID
of the license configuration's owner.*/",
  "getterMethodName" : "getOwnerAccountId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" :
{
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,

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"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "OwnerAccountId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OwnerAccountId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "OwnerAccountId",
"sensitive" : false,
"setterDocumentation" : "/*<p>Account ID of the license configuration's
owner.</p>\n@param ownerAccountId Account ID of the license configuration's owner.*/",
"setterMethodName" : "setOwnerAccountId",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "ownerAccountId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Account ID of the license configuration's owner.</p>\n@param
ownerAccountId Account ID of the license configuration's owner.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "ownerAccountId",
  "variableType" : "String",
  "documentation" : "<p>Account ID of the license configuration's owner.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},

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```

"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Status of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Status of the license configuration.</p>\n@param status Status of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/*<p>Status of the license configuration.</p>\n@return Status of the license
configuration.*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {

"returnType" : "String",
  "documentation" : null
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Status",
  "sensitive" : false,

"setterDocumentation" : "/*<p>Status of the license configuration.</p>\n@param status Status of the license
configuration.*/",
  "setterMethodName" : "setStatus",

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"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Status of the license configuration.</p>\n@param status Status of the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "status",

"variableType" : "String",
  "documentation" : "<p>Status of the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LicenseConfiguration",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfiguration",
  "variableName" : "licenseConfiguration",
  "variableType" : "LicenseConfiguration",
  "documentation" : null,
  "simpleType" : "LicenseConfiguration",
  "variableSetterType" : "LicenseConfiguration"
},
"wrapper" : false
},

```



```

"LicenseConfigurationAssociation" : {
  "c2jName" : "LicenseConfigurationAssociation",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a server resource that is associated with a license configuration.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ResourceArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the resource associated with the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the resource associated with the license
configuration.</p>\n@param resourceArn ARN of the resource associated
with the license configuration.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withResourceArn",
    "getterDocumentation" : "/*<p>ARN of the resource associated with the license configuration.</p>\n@return
ARN of the resource associated with the license configuration.*/",
    "getterMethodName" : "getResourceArn",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceArn",
    "queryString" : false,
    "statusCode" : false,

```

```

    "unmarshallLocationName"
: "ResourceArn",
    "uri" : false
},
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "ResourceArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of the resource associated with the license configuration.</p>\n@param
resourceArn ARN of the resource associated with the license configuration.*/",
    "setterMethodName" : "setResourceArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple"
: true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>ARN of the resource associated with the license
configuration.</p>\n@param resourceArn ARN of the resource associated with the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceArn",
        "variableType" : "String",
        "documentation" : "<p>ARN of the resource associated with the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "ResourceType",
    "c2jShape" : "ResourceType",
    "deprecated" : false,

```

```

"documentation" : "<p>Type of server resource.</p>",
"enumType" : "ResourceType",
"fluentSetterDocumentation" : "/*<p>Type
of server resource.</p>\n@param resourceType Type of server resource.\n@return Returns a reference to this
object so that method calls can be chained together.\n@see ResourceType*/",
"fluentSetterMethodName" : "withResourceType",
"getterDocumentation" : "/*<p>Type of server resource.</p>\n@return Type of server resource.\n@see
ResourceType*/",
"getterMethodName" : "getResourceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName"
: "ResourceType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Type of server resource.</p>\n@param resourceType Type of server
resource.\n@see ResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",

```

```

    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Type of server resource.</p>\n@param resourceType Type of server
resource.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
ResourceType*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>Type of server resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "ResourceOwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ID of the AWS account that owns the resource consuming licenses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@param resourceOwnerId ID of the AWS
account that owns the resource consuming licenses.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
  "fluentSetterMethodName" : "withResourceOwnerId",
  "getterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@return ID of the AWS account that owns the resource consuming licenses.*/",
  "getterMethodName" : "getResourceOwnerId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,

```

```

    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceOwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceOwnerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceOwnerId",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@param resourceOwnerId ID of the AWS account that owns the resource consuming licenses.*/",
  "setterMethodName" : "setResourceOwnerId",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceOwnerId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@param resourceOwnerId ID of the AWS account that owns the resource consuming
licenses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceOwnerId",
    "variableType" : "String",
    "documentation" : "<p>ID of the AWS account that owns the resource consuming licenses.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {

```

```

    "c2jName" : "AssociationTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>Time when the license configuration was associated
with the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@param associationTime Time when the license configuration was associated with the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationTime",
    "getterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@return Time when the license configuration was associated with the resource.*/",
    "getterMethodName" : "getAssociationTime",
    "getterModel" : {
        "returnType" : "java.util.Date",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload"
: false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "AssociationTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "AssociationTime",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "java.util.Date",
    "marshallingType" : "DATE",
    "name" : "AssociationTime",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@param associationTime Time when the license configuration was associated with the resource.*/",
    "setterMethodName" : "setAssociationTime",

```

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "associationTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@param associationTime Time when the license configuration was associated with the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : "unixTimestamp",
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "associationTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>Time when the license configuration was associated with the
resource.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "AssociationTime" : {
    "c2jName" : "AssociationTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>Time when the license configuration was associated with the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@param associationTime Time when the license configuration was associated with the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationTime",
    "getterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@return Time when the license configuration was associated with
the resource.*/",
    "getterMethodName" : "getAssociationTime",
    "getterModel" : {
      "returnType" : "java.util.Date",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,

```

```

"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AssociationTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationTime",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass"
: "java.util.Date",
"marshallingType" : "DATE",
"name" : "AssociationTime",
"sensitive" : false,
"setterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@param associationTime Time when the license configuration was associated with the resource.*/",
"setterMethodName" : "setAssociationTime",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.Date",
"variableName" : "associationTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Time when the license configuration was associated with the
resource.</p>\n@param
associationTime Time when the license configuration was associated with the resource.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : "unixTimestamp",
"variableDeclarationType" : "java.util.Date",

```



```

    "variableName" : "associationTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>Time when the license configuration was associated with the resource.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNamespaceUri" : null
},
"ResourceArn" : {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the resource associated with the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the resource associated
with the license configuration.</p>\n@param resourceArn ARN of the resource associated with the license
configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN of the resource associated with the license configuration.</p>\n@return
ARN of the resource associated with the license configuration.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName"
  }
} : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,

```

```

"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the resource associated with the license configuration.</p>\n@param
resourceArn ARN of the resource associated with the license configuration.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
},
"documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the resource associated with the license
configuration.</p>\n@param resourceArn ARN of the resource associated with the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the resource associated with the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"ResourceOwnerId" : {

"c2jName" : "ResourceOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>ID of the AWS account that owns the resource consuming licenses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@param resourceOwnerId ID of the AWS account that owns the resource consuming
licenses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResourceOwnerId",
"getterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@return ID of the AWS account that owns the resource consuming licenses.*/",

```

```

"getterMethodName" : "getResourceOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath"
: null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceOwnerId",
"sensitive" : false,
"setterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@param
resourceOwnerId ID of the AWS account that owns the resource consuming licenses.*/",
"setterMethodName" : "setResourceOwnerId",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,

```

```

    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>ID of the AWS account that owns the resource consuming
licenses.</p>\n@param resourceOwnerId ID of the AWS account that owns the resource consuming
licenses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",

        "variableName" : "resourceOwnerId",
        "variableType" : "String",
        "documentation" : "<p>ID of the AWS account that owns the resource consuming licenses.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"ResourceType" : {
    "c2jName" : "ResourceType",
    "c2jShape" : "ResourceType",
    "deprecated" : false,
    "documentation" : "<p>Type of server resource.</p>",
    "enumType" : "ResourceType",
    "fluentSetterDocumentation" : "/*<p>Type of server resource.</p>\n@param resourceType Type of server
resource.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
ResourceType*/",
    "fluentSetterMethodName" : "withResourceType",
    "getterDocumentation" : "/*<p>Type of server resource.</p>\n@return Type of server resource.\n@see
ResourceType*/",
    "getterMethodName"
: "getResourceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",

```

```

    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType"
: "STRING",
  "name" : "ResourceType",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Type of server resource.</p>\n@param resourceType Type of server
resource.\n@see ResourceType*/",
  "setterMethodName" : "setResourceType",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Type of server resource.</p>\n@param resourceType Type of server
resource.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
ResourceType*/",
  "variable" : {
    "timestampFormat"
: null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>Type of server resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,

```

```

"shapeName" : "LicenseConfigurationAssociation",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfigurationAssociation",
  "variableName" : "licenseConfigurationAssociation",
  "variableType" : "LicenseConfigurationAssociation",
  "documentation" : null,
  "simpleType" : "LicenseConfigurationAssociation",
  "variableSetterType" : "LicenseConfigurationAssociation"
},
"wrapper" : false
},
"LicenseConfigurationStatus" : {
  "c2jName" : "LicenseConfigurationStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "AVAILABLE",
    "value" : "AVAILABLE"
  }, {
    "name" : "DISABLED",
    "value" : "DISABLED"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
  "shapeName" : "LicenseConfigurationStatus",

```

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"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfigurationStatus",
  "variableName" : "licenseConfigurationStatus",
  "variableType" : "LicenseConfigurationStatus",
  "documentation" : null,
  "simpleType" : "LicenseConfigurationStatus",
  "variableSetterType" : "LicenseConfigurationStatus"
},
"wrapper" : false
},
"LicenseConfigurationUsage" : {
  "c2jName" : "LicenseConfigurationUsage",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains details of the usage of each resource from the license pool.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ResourceArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the resource associated with a license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the resource associated with a license
configuration.</p>\n@param resourceArn ARN of the resource associated with a license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withResourceArn",
    "getterDocumentation" : "/*<p>ARN of the resource associated with a license configuration.</p>\n@return
ARN of the resource associated with a license configuration.*/",
    "getterMethodName"

```

```

: "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of the resource associated with a license configuration.</p>\n@param
resourceArn ARN of the resource associated with a license configuration.*/",
  "setterMethodName" : "setResourceArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the resource associated with a license

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configuration.</p>\n@param resourceArn ARN of the resource associated with a license configuration.\n@return Returns a reference to this object so that method calls can be chained together.\*"/

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the resource associated with a license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>Type of resource associated with the license configuration.</p>",
  "enumType" : "ResourceType",
  "fluentSetterDocumentation" : "/*<p>Type of resource associated with the license
configuration.</p>\n@param resourceType Type of resource associated with the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.\n@see ResourceType*/",
  "fluentSetterMethodName" : "withResourceType",
  "getterDocumentation" : "/*<p>Type of
resource associated with the license configuration.</p>\n@return Type of resource associated with the license
configuration.\n@see ResourceType*/",
  "getterMethodName" : "getResourceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
```

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    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map"
: false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "ResourceType",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Type of resource associated with athe license configuration.</p>\n@param
resourceType Type of resource associated with athe license configuration.\n@see ResourceType*/",
    "setterMethodName" : "setResourceType",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceType",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Type of resource associated with athe license
configuration.</p>\n@param resourceType Type of resource
associated with athe license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.\n@see ResourceType*/",
    "variable" : {
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        "variableDeclarationType" : "String",
        "variableName" : "resourceType",
        "variableType" : "String",
        "documentation" : "<p>Type of resource associated with athe license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "ResourceStatus",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Status of a resource associated with the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Status of a resource associated with the license
configuration.</p>\n@param resourceStatus Status of a resource associated with the license configuration.\n@return

```

```

Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withResourceStatus",
    "getterDocumentation" : "/*<p>Status of a resource associated with the license configuration.</p>\n@return
Status of a resource associated with the license configuration.*/",
    "getterMethodName" : "getResourceStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ResourceStatus",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ResourceStatus",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "ResourceStatus",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Status of a resource associated with the license configuration.</p>\n@param
resourceStatus Status of a resource associated with the license configuration.*/",
    "setterMethodName" : "setResourceStatus",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceStatus",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
}

```

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    "shouldEmitLegacyEnumSetter" : false,
    "simple"
: true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Status of a resource associated with the license
configuration.</p>\n@param resourceStatus Status of a resource associated with the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceStatus",
        "variableType" : "String",
        "documentation" : "<p>Status of a resource associated with the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "ResourceOwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ID of the account that owns a resource that is associated with the license
configuration.</p>",
    "enumType"
: null,
    "fluentSetterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the license
configuration.</p>\n@param resourceOwnerId ID of the account that owns a resource that is associated with the
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withResourceOwnerId",
    "getterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the license
configuration.</p>\n@return ID of the account that owns a resource that is associated with the license
configuration.*/",
    "getterMethodName" : "getResourceOwnerId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header"
: false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",

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    "marshallLocationName" : "ResourceOwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceOwnerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceOwnerId",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the license configuration.</p>\n@param resourceOwnerId ID of the account that owns a resource that is associated with the license configuration.*/",
  "setterMethodName" : "setResourceOwnerId",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceOwnerId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the license configuration.</p>\n@param resourceOwnerId ID of the account that owns a resource that is associated with the license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceOwnerId",
    "variableType" : "String",
    "documentation" : "<p>ID of
the account that owns a resource that is associated with the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {

```

```

"c2jName" : "AssociationTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>Time when the license configuration was initially associated with a resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@param associationTime Time when the license configuration was initially associated with a
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationTime",
"getterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@return Time when the license configuration
was initially associated with a resource.*/",
"getterMethodName" : "getAssociationTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AssociationTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociationTime",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "java.util.Date",
"marshallingType" : "DATE",
"name" : "AssociationTime",
"sensitive" : false,
"setterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@param associationTime Time when the license configuration was initially associated with a
resource.*/",
"setterMethodName" : "setAssociationTime",

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"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "associationTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@param associationTime Time when the
license configuration was initially associated with a resource.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : "unixTimestamp",
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "associationTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>Time when the license configuration was initially associated with a resource.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "ConsumedLicenses",
  "c2jShape" : "BoxLong",
  "deprecated" : false,
  "documentation" : "<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>\n@param
consumedLicenses Number of licenses consumed out of the total provisioned in the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withConsumedLicenses",
  "getterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>\n@return Number of licenses consumed out of the total provisioned in the license
configuration.*/",
  "getterMethodName" : "getConsumedLicenses",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,

```

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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ConsumedLicenses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ConsumedLicenses",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "ConsumedLicenses",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the license configuration.</p>\n@param consumedLicenses Number of licenses consumed out of the total provisioned in the license configuration.*/",
"setterMethodName" : "setConsumedLicenses",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "Long",
"variableName" : "consumedLicenses",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the license configuration.</p>\n@param consumedLicenses Number of licenses consumed out of the total provisioned in the license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "Long",
"variableName" : "consumedLicenses",

```



```

    "variableType" : "Long",
    "documentation" : "<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
"AssociationTime" : {
    "c2jName" : "AssociationTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>Time when the license configuration was initially associated with a resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@param associationTime Time when the license configuration was initially associated with a
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationTime",
    "getterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@return Time when the license configuration was initially associated with a resource.*/",
    "getterMethodName" : "getAssociationTime",
    "getterModel" : {
        "returnType" : "java.util.Date",
        "documentation" : null
    },
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AssociationTime",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AssociationTime",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,

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"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "java.util.Date",
"marshallingType" :
"DATE",
"name" : "AssociationTime",
"sensitive" : false,
"setterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@param associationTime Time when the license configuration was initially associated with a
resource.*/",
"setterMethodName" : "setAssociationTime",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.Date",
"variableName" : "associationTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Time when the license configuration was initially associated with a
resource.</p>\n@param associationTime Time when the license
configuration was initially associated with a resource.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
"timestampFormat" : "unixTimestamp",
"variableDeclarationType" : "java.util.Date",
"variableName" : "associationTime",
"variableType" : "java.util.Date",
"documentation" : "<p>Time when the license configuration was initially associated with a resource.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNamespaceUri" : null
},
"ConsumedLicenses" : {
"c2jName" : "ConsumedLicenses",
"c2jShape" : "BoxLong",
"deprecated" : false,
"documentation" : "<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Number of licenses
consumed out of the total provisioned in the license configuration.</p>\n@param consumedLicenses Number of
licenses consumed out of the total provisioned in the license configuration.\n@return Returns a reference to this

```

```

object so that method calls can be chained together."/>,
    "fluentSetterMethodName" : "withConsumedLicenses",
    "getterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>\n@return Number of licenses consumed out of the total provisioned in the license
configuration."/>,
    "getterMethodName" : "getConsumedLicenses",
    "getterModel" : {
        "returnType" : "Long",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming"
: false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ConsumedLicenses",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ConsumedLicenses",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "Long",
    "marshallingType" : "LONG",
    "name" : "ConsumedLicenses",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the license
configuration.</p>\n@param consumedLicenses Number of licenses consumed out of the total provisioned in the
license configuration."/>,
    "setterMethodName" : "setConsumedLicenses",
    "setterModel"
: {
        "timestampFormat" : null,
        "variableDeclarationType" : "Long",
        "variableName" : "consumedLicenses",
        "variableType" : "Long",

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    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Number of licenses consumed out of the total provisioned in the
license configuration.</p>\n@param consumedLicenses Number of licenses consumed out of the total provisioned
in the license configuration.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "consumedLicenses",
    "variableType" : "Long",
    "documentation" : "<p>Number of
licenses consumed out of the total provisioned in the license configuration.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNamespaceUri" : null
},
"ResourceArn" : {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the resource associated with a license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the resource associated with a license
configuration.</p>\n@param resourceArn ARN of the resource associated with a license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN of the resource associated with a license configuration.</p>\n@return
ARN of the resource associated with a license configuration.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,

```

```

"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ResourceArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResourceArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType"
: "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the resource associated with a license configuration.</p>\n@param
resourceArn ARN of the resource associated with a license configuration.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "resourceArn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the resource associated with a license
configuration.</p>\n@param resourceArn ARN of the resource associated with a license configuration.\n@return
Returns a reference to this
object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "resourceArn",
"variableType" : "String",
"documentation" : "<p>ARN of the resource associated with a license configuration.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},

```

```

    "xmlNamespaceUri" : null
  },
  "ResourceOwnerId" : {
    "c2jName" : "ResourceOwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ID of the account that owns a resource that is associated with the license
configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the
license configuration.</p>\n@param resourceOwnerId ID of the account that owns a resource that is
associated with the license configuration.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withResourceOwnerId",
    "getterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the license
configuration.</p>\n@return ID of the account that owns a resource that is associated with the license
configuration.*/",
    "getterMethodName" : "getResourceOwnerId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceOwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceOwnerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceOwnerId",

```

```

"sensitive" : false,
"setterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the license
configuration.</p>\n@param resourceOwnerId ID of the account that owns a resource that is associated with the
license configuration.*/",
"setterMethodName" : "setResourceOwnerId",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ID of the account that owns a resource that is associated with the
license configuration.</p>\n@param resourceOwnerId ID of the account that owns a resource that is associated with
the license configuration.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceOwnerId",
  "variableType" : "String",
  "documentation" : "<p>ID of the account that owns a resource that is associated with the license
configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"ResourceStatus" : {
  "c2jName" : "ResourceStatus",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Status of a resource associated with the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Status of a resource associated with the license
configuration.</p>\n@param resourceStatus Status of a resource associated with the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceStatus",
  "getterDocumentation" : "/*<p>Status of a resource associated with the license configuration.</p>\n@return
Status of a resource associated with the license configuration.*/",
  "getterMethodName" : "getResourceStatus",
  "getterModel" : {

```

```

    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceStatus",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceStatus",

"sensitive" : false,
  "setterDocumentation" : "/*<p>Status of a resource associated with the license configuration.</p>\n@param resourceStatus Status of a resource associated with the license configuration.*/",
  "setterMethodName" : "setResourceStatus",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceStatus",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Status of a resource associated with the license configuration.</p>\n@param resourceStatus Status of a resource associated with the license configuration.\n@return

```



Returns a reference to this object so that method calls can be chained together."/>

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceStatus",
  "variableType" : "String",
  "documentation" : "<p>Status of a resource associated with the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"ResourceType" : {
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>Type of resource associated with the license configuration.</p>",
  "enumType" : "ResourceType",
  "fluentSetterDocumentation" : "/*<p>Type of resource associated with the license
configuration.</p>\n@param resourceType Type of resource associated with the license configuration.\n@return
Returns a reference to this object so that method calls can be chained
together.\n@see ResourceType*/",
  "fluentSetterMethodName" : "withResourceType",
  "getterDocumentation" : "/*<p>Type of resource associated with the license configuration.</p>\n@return
Type of resource associated with the license configuration.\n@see ResourceType*/",
  "getterMethodName" : "getResourceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceType",

"uri" : false
},
"idempotencyToken" : false,
```

```

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Type of resource associated with athe license configuration.</p>\n@param
resourceType Type of resource associated with athe license configuration.\n@see ResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter"
: false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Type of resource associated with athe license
configuration.</p>\n@param resourceType Type of resource associated with athe license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.\n@see ResourceType*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>Type of resource associated with athe license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LicenseConfigurationUsage",
"signerAware"
: false,
"signerType" : null,

```

```

"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfigurationUsage",
  "variableName" : "licenseConfigurationUsage",
  "variableType" : "LicenseConfigurationUsage",
  "documentation" : null,
  "simpleType" : "LicenseConfigurationUsage",
  "variableSetterType" : "LicenseConfigurationUsage"
},
"wrapper" : false
},
"LicenseCountingType" : {
  "c2jName" : "LicenseCountingType",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "VCPU",
    "value" : "vCPU"
  }, {
    "name" : "Instance",
    "value" : "Instance"
  }, {
    "name" : "Core",
    "value" : "Core"
  }, {
    "name" : "Socket",
    "value" : "Socket"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,

```

```

"required" : null,
"shapeName" : "LicenseCountingType",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseCountingType",
  "variableName" : "licenseCountingType",
  "variableType" : "LicenseCountingType",
  "documentation" : null,
  "simpleType" : "LicenseCountingType",

"variableSetterType" : "LicenseCountingType"
},
"wrapper" : false
},
"LicenseSpecification" : {
  "c2jName" : "LicenseSpecification",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Object used for associating a license configuration with a resource.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN
of the <code>LicenseConfiguration</code> object.</p>\n@param licenseConfigurationArn ARN of the
<code>LicenseConfiguration</code> object.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",

```

```

"getterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@return ARN
of the <code>LicenseConfiguration</code> object.*/",
"getterMethodName" : "getLicenseConfigurationArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName"
: "LicenseConfigurationArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.*/",
"setterMethodName" : "setLicenseConfigurationArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationArn",
  "variableType" : "String",

"documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```

"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return Returns a reference to
this object so that method calls can be chained together.*"/,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "LicenseConfigurationArn" : {
    "c2jName"
: "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return
Returns a reference to this object so that method calls can be chained together.*"/,
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@return
ARN of the <code>LicenseConfiguration</code> object.*"/,
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath"
: null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "LicenseConfigurationArn",

```

```

    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn
ARN of the <code>LicenseConfiguration</code> object.*"/,
  "setterMethodName" : "setLicenseConfigurationArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the <code>LicenseConfiguration</code> object.\n@return
Returns a reference to this object so that method calls can be chained together.*"/,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the <code>LicenseConfiguration</code> object.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,

```

```

"requestSignerClassFqcn" : null,
"required" : [ "LicenseConfigurationArn" ],
"shapeName" : "LicenseSpecification",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "licenseSpecification",
  "variableType" : "LicenseSpecification",
  "documentation" : null,
  "simpleType" : "LicenseSpecification",
  "variableSetterType" : "LicenseSpecification"
},
"wrapper" : false
},
"LicenseUsageException" : {
  "c2jName" : "LicenseUsageException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>You do not have enough licenses available to support a new resource launch.</p>",
  "enums" : null,
  "errorCode" : "LicenseUsageException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "LicenseUsageException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,

```



```

    "variableDeclarationType" : "LicenseUsageException",
    "variableName" : "licenseUsageException",
    "variableType" : "LicenseUsageException",
    "documentation" : null,
    "simpleType" : "LicenseUsageException",
    "variableSetterType" : "LicenseUsageException"
  },
  "wrapper" : false
},
"ListAssociationsForLicenseConfigurationRequest" : {
  "c2jName" : "ListAssociationsForLicenseConfigurationRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ListAssociationsForLicenseConfiguration",
    "locationName" : null,
    "requestUri" : "/",
    "target" : "AWSLicenseManager.ListAssociationsForLicenseConfiguration",
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of a <code>LicenseConfiguration</code> object.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code> object.</p>\n@param licenseConfigurationArn ARN of a <code>LicenseConfiguration</code> object.\n@return Returns a reference to this object so that method calls can be chained together.*</p>",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code> object.</p>\n@return ARN of a <code>LicenseConfiguration</code> object.*</p>",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
      "returnType" : "String",

```

```

    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of a <code>LicenseConfiguration</code> object.*/",
  "setterMethodName" : "setLicenseConfigurationArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of a <code>LicenseConfiguration</code> object.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
  "variable" : {

```

```

"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationArn",
"variableType" : "String",
"documentation" : "<p>ARN of a <code>LicenseConfiguration</code> object.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
"c2jName" : "MaxResults",
"c2jShape" : "BoxInteger",
"deprecated" : false,
"documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming"
: false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false

```

```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "Integer",
    "marshallingType" : "INTEGER",
    "name" : "MaxResults",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.*/",
    "setterMethodName" : "setMaxResults",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Integer",
        "variableName" : "maxResults",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Integer",
        "variableName" : "maxResults",
        "variableType" : "Integer",
        "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "NextToken",
    "c2jShape" : "String",

```

```

"deprecated" : false,
"documentation" : "<p>Token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return
Token for the next set of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType"
: "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",

```

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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "LicenseConfigurationArn" : {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of a <code>LicenseConfiguration</code> object.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of a <code>LicenseConfiguration</code> object.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code>
object.</p>\n@return ARN of a <code>LicenseConfiguration</code> object.*/",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
  }
}

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    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel"
: null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code> object.</p>\n@param
licenseConfigurationArn ARN of a <code>LicenseConfiguration</code> object.*/",
  "setterMethodName" : "setLicenseConfigurationArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of a <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of a <code>LicenseConfiguration</code> object.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of a <code>LicenseConfiguration</code> object.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},

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"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "BoxInteger",
  "deprecated" : false,
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
  "enumType" : null,

  "fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Integer",
  "marshallingType" : "INTEGER",

```



```

    "name" : "MaxResults",
    "sensitive" : false,
    "setterDocumentation"
: "/*<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call
with the returned <code>NextToken</code> value.</p>\n@param maxResults Maximum number of results to
return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
    "setterMethodName" : "setMaxResults",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Integer",
        "variableName" : "maxResults",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another
call with the returned <code>NextToken</code> value.</p>\n@param maxResults Maximum number of results to
return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Integer",
        "variableName" : "maxResults",
        "variableType" : "Integer",
        "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value.</p>",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "xmlNamespaceUri" : null
},
    "NextToken" : {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation"
: "<p>Token for the next set of results.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withNextToken",

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"getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation"
: "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,

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    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>Token for the next set of results.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "LicenseConfigurationArn" ],
"shapeName"
: "ListAssociationsForLicenseConfigurationRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ListAssociationsForLicenseConfigurationRequest",
    "variableName" : "listAssociationsForLicenseConfigurationRequest",
    "variableType" : "ListAssociationsForLicenseConfigurationRequest",
    "documentation" : null,
    "simpleType" : "ListAssociationsForLicenseConfigurationRequest",
    "variableSetterType" : "ListAssociationsForLicenseConfigurationRequest"
},
"wrapper" : false
},
"ListAssociationsForLicenseConfigurationResult" : {
    "c2jName" : "ListAssociationsForLicenseConfigurationResponse",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated"
: false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,

```

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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "LicenseConfigurationAssociations",
  "c2jShape" : "LicenseConfigurationAssociations",
  "deprecated" : false,
  "documentation" : "<p>Lists association objects for the license configuration, each containing the association
time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size,
and resource type.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Lists association objects for the license configuration, each containing
the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource,
resource size, and resource type.</p>\n@param licenseConfigurationAssociations
Lists association objects for the license configuration, each containing the association time, number of consumed
licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurationAssociations",
  "getterDocumentation" : "/*<p>Lists association objects for the license configuration, each containing the
association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource,
resource size, and resource type.</p>\n@return Lists association objects for the license configuration, each
containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the
resource, resource size, and resource type.*/",
  "getterMethodName" : "getLicenseConfigurationAssociations",
  "getterModel" : {
    "returnType" : "java.util.List<LicenseConfigurationAssociation>",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurationAssociations",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationAssociations",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,

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"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",

    "c2jShape" : "LicenseConfigurationAssociation",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LicenseConfigurationAssociation",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",

      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",

```

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"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfigurationAssociation",
  "variableName" : "member",
  "variableType" : "LicenseConfigurationAssociation",
  "documentation" : "",

"simpleType" : "LicenseConfigurationAssociation",
  "variableSetterType" : "LicenseConfigurationAssociation"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfigurationAssociation",
  "variableName" : "member",
  "variableType" : "LicenseConfigurationAssociation",
  "documentation" : "",
  "simpleType" : "LicenseConfigurationAssociation",
  "variableSetterType" : "LicenseConfigurationAssociation"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseConfigurationAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseConfigurationAssociation",
"templateImplType" : "java.util.ArrayList<LicenseConfigurationAssociation>",
"templateType" : "java.util.List<LicenseConfigurationAssociation>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurationAssociations",
"sensitive" : false,
"setterDocumentation" : "/**<p>Lists association objects for the license configuration, each containing the

```

association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.

Lists association objects for the license configuration, each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.

```
"setterMethodName" : "setLicenseConfigurationAssociations",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<LicenseConfigurationAssociation>",
  "variableName" : "licenseConfigurationAssociations",
  "variableType" : "java.util.List<LicenseConfigurationAssociation>",
  "documentation" : "",
  "simpleType" : "List<LicenseConfigurationAssociation>",
  "variableSetterType" : "java.util.Collection<LicenseConfigurationAssociation>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Lists association objects for the license configuration,
each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that
owns the resource, resource size, and resource type.</p>\n<p><b>NOTE:</b> This method appends the values to
the existing list (if any). Use { @link #setLicenseConfigurationAssociations(java.util.Collection) } or { @link
#withLicenseConfigurationAssociations(java.util.Collection) } if you want to override the existing
values.</p>\n@param licenseConfigurationAssociations Lists association objects for the license configuration, each
containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the
resource, resource size, and resource type.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<LicenseConfigurationAssociation>",
  "variableName" : "licenseConfigurationAssociations",
  "variableType" : "java.util.List<LicenseConfigurationAssociation>",
  "documentation" : "<p>Lists association objects for the license configuration, each containing the association
time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size,
and resource type.</p>",
  "simpleType" : "List<LicenseConfigurationAssociation>",
  "variableSetterType" : "java.util.Collection<LicenseConfigurationAssociation>"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName"
```

```

: "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,

```



```

"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Token for the next set of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
"LicenseConfigurationAssociations" : {
"c2jName" : "LicenseConfigurationAssociations",
"c2jShape" : "LicenseConfigurationAssociations",
"deprecated" : false,
"documentation" : "<p>Lists association objects for the license configuration, each containing the association
time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size,
and resource type.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Lists association objects for the license configuration,
each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that
owns the resource, resource size, and resource type.</p>\n@param licenseConfigurationAssociations Lists
association objects for the license configuration, each containing the association time, number of consumed licenses,
resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseConfigurationAssociations",
"getterDocumentation" : "/*<p>Lists association objects for the license configuration, each containing the
association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource,
resource size, and resource type.</p>\n@return Lists association objects for the license configuration, each
containing the association time, number of consumed licenses, resource
ARN, resource ID, account ID that owns the resource, resource size, and resource type.*/",
"getterMethodName" : "getLicenseConfigurationAssociations",
"getterModel" : {
"returnType" : "java.util.List<LicenseConfigurationAssociation>",
"documentation" : null
},
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,

```

```

    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationAssociations",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationAssociations",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "LicenseConfigurationAssociation",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "LicenseConfigurationAssociation",
        "documentation" : null
      },
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath"
: null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
  },

```

```

    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",

"setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "LicenseConfigurationAssociation",
        "variableName" : "member",
        "variableType" : "LicenseConfigurationAssociation",
        "documentation" : "",
        "simpleType" : "LicenseConfigurationAssociation",
        "variableSetterType" : "LicenseConfigurationAssociation"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "LicenseConfigurationAssociation",
        "variableName" : "member",
        "variableType"
: "LicenseConfigurationAssociation",
        "documentation" : "",
        "simpleType" : "LicenseConfigurationAssociation",
        "variableSetterType" : "LicenseConfigurationAssociation"
    },
    "xmlNameSpaceUri" : null
},
    "memberLocationName" : null,
    "memberType" : "LicenseConfigurationAssociation",
    "map" : false,
    "marshallNonAutoConstructedEmptyLists" : false,
    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,

```

```

"simpleType" : "LicenseConfigurationAssociation",
"templateImplType" : "java.util.ArrayList<LicenseConfigurationAssociation>",
"templateType" : "java.util.List<LicenseConfigurationAssociation>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurationAssociations",
"sensitive" : false,
"setterDocumentation" : "/*<p>Lists association objects for the license configuration, each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.</p>\n@param licenseConfigurationAssociations Lists association objects for the license configuration, each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.*/",
"setterMethodName" : "setLicenseConfigurationAssociations",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<LicenseConfigurationAssociation>",
"variableName" : "licenseConfigurationAssociations",
"variableType" : "java.util.List<LicenseConfigurationAssociation>",
"documentation" : "",
"simpleType" : "List<LicenseConfigurationAssociation>",
"variableSetterType" : "java.util.Collection<LicenseConfigurationAssociation>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Lists association objects for the license configuration, each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setLicenseConfigurationAssociations(java.util.Collection) } or { @link #withLicenseConfigurationAssociations(java.util.Collection) } if you want to override the existing values.</p>\n@param licenseConfigurationAssociations Lists association objects for the license configuration, each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<LicenseConfigurationAssociation>",
"variableName" : "licenseConfigurationAssociations",
"variableType" : "java.util.List<LicenseConfigurationAssociation>",
"documentation" : "<p>Lists association objects for the license configuration, each containing the association time, number of consumed licenses, resource ARN, resource ID, account ID that owns the resource, resource size, and resource type.</p>",
"simpleType" : "List<LicenseConfigurationAssociation>",
"variableSetterType" : "java.util.Collection<LicenseConfigurationAssociation>"
}

```

```

    },
    "xmlNamespaceUri"
: null
    },
    "NextToken" : {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>Token for the next set of results.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withNextToken",
        "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
        "getterMethodName" : "getNextToken",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next

```

```

set of results.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "timestampFormat" : null,

    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListAssociationsForLicenseConfigurationResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ListAssociationsForLicenseConfigurationResult",
  "variableName" : "listAssociationsForLicenseConfigurationResult",
  "variableType" : "ListAssociationsForLicenseConfigurationResult",
  "documentation" : null,
  "simpleType" : "ListAssociationsForLicenseConfigurationResult",
  "variableSetterType" : "ListAssociationsForLicenseConfigurationResult"
},

```

```

"wrapper" : false
},
"ListLicenseConfigurationsRequest" : {
  "c2jName" : "ListLicenseConfigurationsRequest",
  "customization" : {
    "artificialResultWrapper"
: null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ListLicenseConfigurations",
    "locationName" : null,
    "requestUri" : "/",
    "target" : "AWSLicenseManager.ListLicenseConfigurations",
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "LicenseConfigurationArns",
    "c2jShape" : "StringList",
    "deprecated" : false,
    "documentation" : "<p>An array of ARNs for the calling accounts license configurations.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>An array of ARNs for the calling
accounts license configurations.</p>\n@param licenseConfigurationArns An array of ARNs for the calling
accounts license configurations.\n@return Returns a reference to this object so that method calls can be chained
together.*",
    "fluentSetterMethodName" : "withLicenseConfigurationArns",
    "getterDocumentation" : "/*<p>An array of ARNs for the calling accounts license
configurations.</p>\n@return An array of ARNs for the calling accounts license configurations.*",
    "getterMethodName" : "getLicenseConfigurationArns",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

```

```

    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArms",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArms",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel"
    }
  }
: {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,

```



```

    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",

"documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,

```

```

"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurationArns",
"sensitive" : false,
"setterDocumentation" : "/*<p>An array of ARNs for the calling accounts license
configurations.</p>\n@param licenseConfigurationArns
An array of ARNs for the calling accounts license configurations.*'",
"setterMethodName" : "setLicenseConfigurationArns",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "licenseConfigurationArns",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>An array of ARNs for the calling accounts license
configurations.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseConfigurationArns(java.util.Collection)} or { @link
#withLicenseConfigurationArns(java.util.Collection)} if you want to override the existing values.</p>\n@param
licenseConfigurationArns An array of ARNs for the calling accounts license configurations.\n@return Returns a
reference to this object so that method calls can be chained together.*'",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "licenseConfigurationArns",
"variableType" : "java.util.List<String>",
"documentation" : "<p>An array of ARNs for the calling accounts license configurations.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNamespaceUri" : null
}, {
"c2jName" : "MaxResults",
"c2jShape" : "BoxInteger",

```

```

    "deprecated" : false,
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
    "enumType" :
    null,
    "fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withMaxResults",
    "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
    "getterMethodName" : "getMaxResults",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "MaxResults",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "MaxResults",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "Integer",
    "marshallingType" : "INTEGER",
    "name" : "MaxResults",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Maximum number of results to return

```

in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

`@param maxResults` Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

```
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
```

```

    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation"
: "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next set of results.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {

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    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "Filters",
  "c2jShape" : "Filters",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more filters.</p>\n@param filters One or more filters.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" :
"withFilters",
  "getterDocumentation" : "/*<p>One or more filters.</p>\n@return One or more filters.*/",
  "getterMethodName" : "getFilters",
  "getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Filters",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filters",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",

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"interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "Filter",

```

```

    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",

    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath"
: null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "java.util.ArrayList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Filters",
"sensitive" : false,
"setterDocumentation" : "/**<p>One or more filters.</p>\n@param filters One or more filters.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Filter>",
  "variableName" : "filters",

```



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    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>One or more filters.</p>\n<p><b>NOTE:</b> This method appends the
values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link
#withFilters(java.util.Collection)} if you want to override the existing values.</p>\n@param filters One or more
filters.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p>",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",

    "c2jShape" : "Filters",
    "deprecated" : false,
    "documentation" : "<p>One or more filters.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>One or more filters.</p>\n@param filters One or more filters.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFilters",
    "getterDocumentation" : "/*<p>One or more filters.</p>\n@return One or more filters.*/",
    "getterMethodName" : "getFilters",
    "getterModel" : {
      "returnType" : "java.util.List<Filter>",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,

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"location" : null,

"marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Filters",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filters",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName"
: "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
  },

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    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" :
null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Filter",
        "variableName" : "member",
        "variableType" : "Filter",
        "documentation" : "",
        "simpleType" : "Filter",
        "variableSetterType" : "Filter"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" :
null,
        "variableDeclarationType" : "Filter",
        "variableName" : "member",
        "variableType" : "Filter",
        "documentation" : "",
        "simpleType" : "Filter",
        "variableSetterType" : "Filter"
    },
    "xmlNamespaceUri" : null
},
    "memberLocationName" : null,
    "memberType" : "Filter",
    "map" : false,
    "marshallNonAutoConstructedEmptyLists" : false,
    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,

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    "simpleType" : "Filter",
    "templateImplType" : "java.util.ArrayList<Filter>",
    "templateType" : "java.util.List<Filter>"
  },
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "List",
  "marshallingType" : "LIST",

  "name" : "Filters",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>One or more filters.</p>\n@param filters One or more filters.*/",
  "setterMethodName" : "setFilters",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>One or more filters.</p>\n<p><b>NOTE:</b> This method appends
the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.</p>\n@param
filters One or more filters.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p>",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "xmlNamespaceUri" : null
},
"LicenseConfigurationArns" : {
  "c2jName" : "LicenseConfigurationArns",
  "c2jShape" : "StringList",
  "deprecated" : false,
  "documentation" : "<p>An array of ARNs for the calling accounts license configurations.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>An array of ARNs for the calling accounts license

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configurations.</p>\n@param
licenseConfigurationArns An array of ARNs for the calling accounts license configurations.\n@return Returns a
reference to this object so that method calls can be chained together.*"/,
    "fluentSetterMethodName" : "withLicenseConfigurationArns",
    "getterDocumentation" : "/*<p>An array of ARNs for the calling accounts license
configurations.</p>\n@return An array of ARNs for the calling accounts license configurations.*"/,
    "getterMethodName" : "getLicenseConfigurationArns",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",

"marshallLocationName" : "LicenseConfigurationArns",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationArns",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*&#92;\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*"/,
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/*&#92;\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",

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    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,

  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,

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    "variableDeclarationType"
: "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurationArns",
"sensitive" : false,
"setterDocumentation" : "/*<p>An array of ARNs for the calling accounts license
configurations.</p>\n@param licenseConfigurationArns An array of ARNs for the calling accounts license
configurations.*/",
"setterMethodName" : "setLicenseConfigurationArns",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseConfigurationArns",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>An array of ARNs for the calling accounts license
configurations.</p>\n<p><b>NOTE:</b> This method appends the
values to the existing list (if any). Use { @link #setLicenseConfigurationArns(java.util.Collection)} or { @link
#withLicenseConfigurationArns(java.util.Collection)} if you want to override the existing values.</p>\n@param

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licenseConfigurationArns An array of ARNs for the calling accounts license configurations.\n@return Returns a reference to this object so that method calls can be chained together.\*/",

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseConfigurationArns",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>An array of ARNs for the calling accounts license configurations.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNamespaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape"
: "BoxInteger",
  "deprecated" : false,
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,

  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Integer",
  "marshallingType" : "INTEGER",
  "name" : "MaxResults",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.*/",
  "setterMethodName" : "setMaxResults",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  }

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    },
    "xmlNamespaceUri" : null
  },
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Token for the next set of results.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of results.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath"
: null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next

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set of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>Token for the next set of results.</p>",
        "simpleType"
: "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListLicenseConfigurationsRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ListLicenseConfigurationsRequest",
    "variableName" : "listLicenseConfigurationsRequest",
    "variableType" : "ListLicenseConfigurationsRequest",
    "documentation" : null,
    "simpleType" : "ListLicenseConfigurationsRequest",
    "variableSetterType" : "ListLicenseConfigurationsRequest"
},
"wrapper" : false
},
"ListLicenseConfigurationsResult" : {

```

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"c2jName" : "ListLicenseConfigurationsResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller"
: false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "LicenseConfigurations",
  "c2jShape" : "LicenseConfigurations",
  "deprecated" : false,
  "documentation" : "<p>Array of license configuration objects.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Array of license configuration objects.</p>\n@param
licenseConfigurations Array of license configuration objects.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurations",
  "getterDocumentation" : "/*<p>Array
of license configuration objects.</p>\n@return Array of license configuration objects.*/",
  "getterMethodName" : "getLicenseConfigurations",
  "getterModel" : {
    "returnType" : "java.util.List<LicenseConfiguration>",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurations",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurations",

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```

    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType"
: "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "LicenseConfiguration",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "LicenseConfiguration",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
      },
      "idempotencyToken" : false,
      "isBinary" : false,
      "jsonValue" : false,
      "list" : false,
      "listModel" : null,
      "map" : false,
      "mapModel" : null,

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"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfiguration",
  "variableName" : "member",
  "variableType" : "LicenseConfiguration",
  "documentation" : "",
  "simpleType" : "LicenseConfiguration",
  "variableSetterType" : "LicenseConfiguration"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfiguration",
  "variableName" : "member",
  "variableType" : "LicenseConfiguration",
  "documentation" : "",
  "simpleType" : "LicenseConfiguration",
  "variableSetterType" : "LicenseConfiguration"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType"
: "LicenseConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseConfiguration",
"templateImplType" : "java.util.ArrayList<LicenseConfiguration>",
"templateType" : "java.util.List<LicenseConfiguration>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",

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"name" : "LicenseConfigurations",
"sensitive" : false,
"setterDocumentation" : "/*<p>Array of license configuration objects.</p>\n@param licenseConfigurations
Array of license configuration objects.*/",
"setterMethodName" : "setLicenseConfigurations",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType"
: "java.util.List<LicenseConfiguration>",
"variableName" : "licenseConfigurations",
"variableType" : "java.util.List<LicenseConfiguration>",
"documentation" : "",
"simpleType" : "List<LicenseConfiguration>",
"variableSetterType" : "java.util.Collection<LicenseConfiguration>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Array of license configuration objects.</p>\n<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setLicenseConfigurations(java.util.Collection) }
or { @link #withLicenseConfigurations(java.util.Collection) } if you want to override the existing
values.</p>\n@param licenseConfigurations Array of license configuration objects.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat"
: null,
"variableDeclarationType" : "java.util.List<LicenseConfiguration>",
"variableName" : "licenseConfigurations",
"variableType" : "java.util.List<LicenseConfiguration>",
"documentation" : "<p>Array of license configuration objects.</p>",
"simpleType" : "List<LicenseConfiguration>",
"variableSetterType" : "java.util.Collection<LicenseConfiguration>"
},
"xmlNamespaceUri" : null
}, {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/*<p>Token for the
next set of results.</p>\n@return Token for the next set of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",

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    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",

  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {

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    "timestampFormat" : null,
    "variableDeclarationType"
: "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "LicenseConfigurations" : {
    "c2jName" : "LicenseConfigurations",
    "c2jShape" : "LicenseConfigurations",
    "deprecated" : false,
    "documentation" : "<p>Array of license configuration objects.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Array of license configuration objects.</p>\n@param
licenseConfigurations Array of license configuration objects.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurations",
    "getterDocumentation" : "/*<p>Array of license configuration objects.</p>\n@return
Array of license configuration objects.*/",
    "getterMethodName" : "getLicenseConfigurations",
    "getterModel" : {
      "returnType" : "java.util.List<LicenseConfiguration>",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurations",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurations",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,

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"list" : true,
"listModel" :
{
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LicenseConfiguration",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LicenseConfiguration",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
    },
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,

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"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" :
null,
  "variableDeclarationType" : "LicenseConfiguration",
  "variableName" : "member",
  "variableType" : "LicenseConfiguration",
  "documentation" : "",
  "simpleType" : "LicenseConfiguration",
  "variableSetterType" : "LicenseConfiguration"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseConfiguration",
  "variableName" : "member",
  "variableType" : "LicenseConfiguration",
  "documentation" : "",
  "simpleType" : "LicenseConfiguration",
  "variableSetterType"
: "LicenseConfiguration"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseConfiguration",
"templateImplType" : "java.util.ArrayList<LicenseConfiguration>",
"templateType" : "java.util.List<LicenseConfiguration>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurations",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>Array of license configuration objects.</p>\n@param licenseConfigurations

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Array

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of license configuration objects."/>,
  "setterMethodName" : "setLicenseConfigurations",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseConfiguration>",
    "variableName" : "licenseConfigurations",
    "variableType" : "java.util.List<LicenseConfiguration>",
    "documentation" : "",
    "simpleType" : "List<LicenseConfiguration>",
    "variableSetterType" : "java.util.Collection<LicenseConfiguration>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Array of license configuration objects.</p>\n<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setLicenseConfigurations(java.util.Collection) }
or { @link #withLicenseConfigurations(java.util.Collection) } if you want to override the existing
values.</p>\n@param
licenseConfigurations Array of license configuration objects.\n@return Returns a reference to this object so that
method calls can be chained together."/>,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseConfiguration>",
    "variableName" : "licenseConfigurations",
    "variableType" : "java.util.List<LicenseConfiguration>",
    "documentation" : "<p>Array of license configuration objects.</p>",
    "simpleType" : "List<LicenseConfiguration>",
    "variableSetterType" : "java.util.Collection<LicenseConfiguration>"
  },
  "xmlNamespaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next
set of results.</p>\n@param nextToken Token for the next set of results.\n@return Returns a reference to this
object so that method calls can be chained together."/>,
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results."/>,
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
```

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    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName"
: "NextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,

    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {

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    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListLicenseConfigurationsResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" :
null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ListLicenseConfigurationsResult",
  "variableName" : "listLicenseConfigurationsResult",
  "variableType" : "ListLicenseConfigurationsResult",
  "documentation" : null,
  "simpleType" : "ListLicenseConfigurationsResult",
  "variableSetterType" : "ListLicenseConfigurationsResult"
},
"wrapper" : false
},
"ListLicenseSpecificationsForResourceRequest" : {
  "c2jName" : "ListLicenseSpecificationsForResourceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,

```

```

"hasStreamingMember"
: false,
"marshaller" : {
  "action" : "ListLicenseSpecificationsForResource",
  "locationName" : null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.ListLicenseSpecificationsForResource",
  "verb" : "POST",
  "xmlNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>\n@param resourceArn ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN
of an AMI or Amazon EC2 instance that has an associated license configuration.</p>\n@return ARN of an AMI or
Amazon EC2 instance that has an associated license configuration.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,

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    "list" : false,
    "listModel"
: null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "ResourceArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>\n@param resourceArn ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.*/",
    "setterMethodName" : "setResourceArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an
associated license configuration.</p>\n@param resourceArn ARN of an AMI or Amazon EC2 instance that has an
associated license configuration.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceArn",
        "variableType" : "String",
        "documentation" : "<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "MaxResults",
    "c2jShape" : "BoxInteger",
    "deprecated" : false,
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
    "enumType" : null,
    "fluentSetterDocumentation"

```



: `/**<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value.\n@return Returns a reference to this object so that method calls can be chained together.*/`,

`"fluentSetterMethodName" : "withMaxResults",`

`"getterDocumentation" : /**<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value.</p>\n@return Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value.*/,`

`"getterMethodName" : "getMaxResults",`

`"getterModel" : {`

`"returnType" : "Integer",`

`"documentation" : null`

`},`

`"http" : {`

`"additionalMarshallingPath" : null,`

`"additionalUnmarshallingPath" : null,`

`"flattened" : false,`

`"greedy" : false,`

`"header" : false,`

`"isPayload" : false,`

`"isStreaming" : false,`

`"location" : null,`

`"marshallLocation" : "PAYLOAD",`

`"marshallLocationName" : "MaxResults",`

`"queryString" : false,`

`"statusCode" : false,`

`"unmarshallLocationName" : "MaxResults",`

`"uri" : false`

`},`

`"idempotencyToken" : false,`

`"isBinary" : false,`

`"jsonValue" : false,`

`"list" : false,`

`"listModel" : null,`

`"map" : false,`

`"mapModel" : null,`

`"marshallingTargetClass" : "Integer",`

`"marshallingType" : "INTEGER",`

`"name" : "MaxResults",`

`"sensitive" : false,`

`"setterDocumentation" : /**<p>Maximum number of results to return in a single call.`

`To retrieve the remaining results, make another call with the returned NextToken value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining`

`results, make another call with the returned NextToken value.*/`,

`"setterMethodName" : "setMaxResults",`

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to
return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param
nextToken Token for the next set of results.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,

```

```

    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri"
: false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Token
for the next set of results.</p>\n@param nextToken Token for the next set of results.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",

```

```

    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "BoxInteger",
    "deprecated" : false,
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.</p>\n@param maxResults Maximum number of results to return in a single call.
To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMaxResults",
    "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
    "getterMethodName" : "getMaxResults",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
  },
  "idempotencyToken" : false,

```

```

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Integer",
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "/*<p>Maximum number of results

```

to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.\*"/

```

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,

```

"varargSetterDocumentation" : "/\*<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.\n@return Returns a reference to this object so that method calls can be chained together.\*"/

```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned NextToken value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

```

```

"xmlNamespaceUri" : null
},

```

```

"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,

```

```

"documentation" : "<p>Token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName"
: "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",

```

```

    "documentation" : "",
    "simpleType" : "String",

    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for the next set of results.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},
"ResourceArn" : {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of an AMI or Amazon EC2 instance that
has an associated license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>\n@param resourceArn ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>\n@return ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,

```

```

"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ResourceArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResourceArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>\n@param resourceArn ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "resourceArn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of an AMI or Amazon EC2 instance that has an associated
license configuration.</p>\n@param resourceArn ARN of an AMI or Amazon EC2 instance that has an associated
license configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "resourceArn",

"variableType" : "String",
"documentation" : "<p>ARN of an AMI or Amazon EC2 instance that has an associated license
configuration.</p>",
"simpleType" : "String",
"variableSetterType" : "String"

```



```

    },
    "xmlNamespaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceArn" ],
"shapeName" : "ListLicenseSpecificationsForResourceRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ListLicenseSpecificationsForResourceRequest",
  "variableName" : "listLicenseSpecificationsForResourceRequest",
  "variableType" : "ListLicenseSpecificationsForResourceRequest",
  "documentation" : null,
  "simpleType" : "ListLicenseSpecificationsForResourceRequest",
  "variableSetterType" : "ListLicenseSpecificationsForResourceRequest"
},
"wrapper" : false
},
>ListLicenseSpecificationsForResourceResult" : {
  "c2jName" : "ListLicenseSpecificationsForResourceResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "LicenseSpecifications",
    "c2jShape" : "LicenseSpecifications",
    "deprecated" : false,
    "documentation" : "<p>License configurations associated with a resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>License configurations associated
with a resource.</p>\n@param licenseSpecifications License configurations associated with a resource.\n@return
Returns a reference to this object so that method calls can be chained together.*/"

```

```

    "fluentSetterMethodName" : "withLicenseSpecifications",
    "getterDocumentation" : "/*<p>License configurations associated with a resource.</p>\n@return License
configurations associated with a resource.*/",
    "getterMethodName" : "getLicenseSpecifications",
    "getterModel" : {
        "returnType" : "java.util.List<LicenseSpecification>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseSpecifications",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseSpecifications",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "LicenseSpecification",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/*\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "LicenseSpecification",
                "documentation" : null
            }
        },
        "http" : {
            "additionalMarshallingPath" : null,

```

```

    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name"
: "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseSpecification",
    "variableName" : "member",
    "variableType" : "LicenseSpecification",
    "documentation" : "",
    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseSpecification",
    "variableName" : "member",
    "variableType" : "LicenseSpecification",
    "documentation" : "",

```

```

    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseSpecification",
"templateImplType" : "java.util.ArrayList<LicenseSpecification>",
"templateType" : "java.util.List<LicenseSpecification>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseSpecifications",
"sensitive"
: false,
  "setterDocumentation" : "/*<p>License configurations associated with a resource.</p>\n@param
licenseSpecifications License configurations associated with a resource.*/",
  "setterMethodName" : "setLicenseSpecifications",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseSpecification>",
    "variableName" : "licenseSpecifications",
    "variableType" : "java.util.List<LicenseSpecification>",
    "documentation" : "",
    "simpleType" : "List<LicenseSpecification>",
    "variableSetterType" : "java.util.Collection<LicenseSpecification>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>License configurations associated with a
resource.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseSpecifications(java.util.Collection)}
or { @link #withLicenseSpecifications(java.util.Collection)} if you want to override the existing
values.</p>\n@param licenseSpecifications License configurations associated with a resource.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseSpecification>",

```

```

    "variableName" : "licenseSpecifications",
    "variableType" : "java.util.List<LicenseSpecification>",
    "documentation" : "<p>License configurations associated with a resource.</p>",
    "simpleType" : "List<LicenseSpecification>",
    "variableSetterType" : "java.util.Collection<LicenseSpecification>"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set
of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString"
  },
  "uri" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,

```

```

"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" :
false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "LicenseSpecifications" : {
    "c2jName" : "LicenseSpecifications",
    "c2jShape" : "LicenseSpecifications",
    "deprecated" : false,
    "documentation" : "<p>License configurations associated with a resource.</p>",
    "enumType" : null,

    "fluentSetterDocumentation" : "/*<p>License configurations associated with a resource.</p>\n@param
licenseSpecifications License configurations associated with a resource.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseSpecifications",
    "getterDocumentation" : "/*<p>License configurations associated with a resource.</p>\n@return License
configurations associated with a resource.*/",
    "getterMethodName" : "getLicenseSpecifications",

```

```

"getterModel" : {
  "returnType" : "java.util.List<LicenseSpecification>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location"
: null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseSpecifications",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseSpecifications",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LicenseSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation"
: "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LicenseSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,

```

```

    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,

  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseSpecification",
    "variableName" : "member",
    "variableType" : "LicenseSpecification",
    "documentation" : "",
    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseSpecification",
    "variableName" : "member",
    "variableType" : "LicenseSpecification",
    "documentation" : "",
    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  }

```



```

    },
    "xmlNamespaceUri" : null
  },
  "memberLocationName" : null,
  "memberType" : "LicenseSpecification",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "LicenseSpecification",
  "templateImplType" : "java.util.ArrayList<LicenseSpecification>",
  "templateType" : "java.util.List<LicenseSpecification>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseSpecifications",
"sensitive" : false,
"setterDocumentation" : "/*<p>License configurations associated with a resource.</p>\n@param
licenseSpecifications License configurations associated with a resource.*/",
"setterMethodName" : "setLicenseSpecifications",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<LicenseSpecification>",
  "variableName" : "licenseSpecifications",
  "variableType" : "java.util.List<LicenseSpecification>",
  "documentation" : "",
  "simpleType" : "List<LicenseSpecification>",
  "variableSetterType" : "java.util.Collection<LicenseSpecification>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>License configurations associated with a
resource.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseSpecifications(java.util.Collection)} or { @link #withLicenseSpecifications(java.util.Collection)} if you
want to override the existing values.</p>\n@param licenseSpecifications License configurations associated with a
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<LicenseSpecification>",
  "variableName" : "licenseSpecifications",
  "variableType" : "java.util.List<LicenseSpecification>",
  "documentation" : "<p>License configurations associated with a resource.</p>",

```

```

    "simpleType" : "List<LicenseSpecification>",
    "variableSetterType" : "java.util.Collection<LicenseSpecification>"
  },
  "xmlNamespaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",

```

```

"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param
nextToken Token for the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation"
: "<p>Token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListLicenseSpecificationsForResourceResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ListLicenseSpecificationsForResourceResult",
  "variableName" : "listLicenseSpecificationsForResourceResult",
  "variableType" : "ListLicenseSpecificationsForResourceResult",
  "documentation" : null,
  "simpleType" : "ListLicenseSpecificationsForResourceResult",

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```

    "variableSetterType" : "ListLicenseSpecificationsForResourceResult"
  },
  "wrapper" : false
},
"ListResourceInventoryRequest" : {
  "c2jName" : "ListResourceInventoryRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ListResourceInventory",
    "locationName" : null,
    "requestUri" : "/",
    "target" : "AWSLicenseManager.ListResourceInventory",
    "verb" : "POST",
    "xmlNamespaceUri" : null
  },
  "members" : [ {
    "c2jName" : "MaxResults",
    "c2jShape" : "BoxInteger",
    "deprecated" : false,
    "documentation" : "<p>Maximum number of results to return in
a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code>
value.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withMaxResults",
    "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
    "getterMethodName" : "getMaxResults",
    "getterModel" : {

```

```

    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Integer",
  "marshallingType" : "INTEGER",
  "name" : "MaxResults",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
  "setterMethodName" : "setMaxResults",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single

```

call. To retrieve the remaining results, make another call with the returned `NextToken` value.

`@param maxResults` Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

`@return` Returns a reference to this object so that method calls can be chained together.

```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation"
: "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName"
: "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false

```

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    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>Token for the next set of results.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "Filters",
    "c2jShape" : "InventoryFilterList",
    "deprecated" : false,
    "documentation" : "<p>One or more filters.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>One or more filters.</p>\n@param filters
One or more filters.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFilters",

```

```

"getterDocumentation" : "/*<p>One or more filters.</p>\n@return One or more filters.*/",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<InventoryFilter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Filters",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filters",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InventoryFilter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<n>\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*<n>\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InventoryFilter",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened"

```



```

: false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat"
: null,
  "variableDeclarationType" : "InventoryFilter",
  "variableName" : "member",
  "variableType" : "InventoryFilter",
  "documentation" : "",
  "simpleType" : "InventoryFilter",
  "variableSetterType" : "InventoryFilter"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "InventoryFilter",
  "variableName" : "member",
  "variableType" : "InventoryFilter",
  "documentation" : "",
  "simpleType" : "InventoryFilter",

```

```

    "variableSetterType" : "InventoryFilter"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "InventoryFilter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InventoryFilter",
"templateImplType" : "java.util.ArrayList<InventoryFilter>",
"templateType" : "java.util.List<InventoryFilter>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Filters",
"sensitive" : false,
"setterDocumentation" : "/*<p>One or more filters.</p>\n@param filters One or more filters.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<InventoryFilter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<InventoryFilter>",
  "documentation" : "",
  "simpleType" : "List<InventoryFilter>",
  "variableSetterType" : "java.util.Collection<InventoryFilter>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>One or more filters.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>\n@param filters One or more filters.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<InventoryFilter>",
  "variableName" : "filters",
  "variableType"
: "java.util.List<InventoryFilter>",
  "documentation" : "<p>One or more filters.</p>",
  "simpleType" : "List<InventoryFilter>",

```

```

    "variableSetterType" : "java.util.Collection<InventoryFilter>"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "InventoryFilterList",
    "deprecated" : false,
    "documentation" : "<p>One or more filters.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>One or more filters.</p>\n@param filters One or more filters.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFilters",
    "getterDocumentation" : "/*<p>One or more filters.</p>\n@return One or more filters.*/",
    "getterMethodName" : "getFilters",
    "getterModel" : {
      "returnType" : "java.util.List<InventoryFilter>",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Filters",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filters",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "InventoryFilter",
      "deprecated"

```

```

: false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "InventoryFilter",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",

"queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "InventoryFilter",
    "variableName" : "member",
    "variableType" : "InventoryFilter",
    "documentation" : "",

```

```

    "simpleType" : "InventoryFilter",
    "variableSetterType" : "InventoryFilter"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "InventoryFilter",
    "variableName" : "member",
    "variableType" : "InventoryFilter",
    "documentation" : "",
    "simpleType" : "InventoryFilter",
    "variableSetterType" : "InventoryFilter"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "InventoryFilter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,

"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InventoryFilter",
"templateImplType" : "java.util.ArrayList<InventoryFilter>",
"templateType" : "java.util.List<InventoryFilter>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Filters",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>One or more filters.</p>\n@param filters One or more filters.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<InventoryFilter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<InventoryFilter>",
  "documentation" : ""
}

```

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    "simpleType" : "List<InventoryFilter>",
    "variableSetterType" : "java.util.Collection<InventoryFilter>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>One or more filters.</p>\n<p><b>NOTE:</b> This method appends
the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.</p>\n@param filters One or more
filters.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<InventoryFilter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<InventoryFilter>",
    "documentation" : "<p>One or more filters.</p>",
    "simpleType"
  }
: "List<InventoryFilter>",
  "variableSetterType" : "java.util.Collection<InventoryFilter>"
},
"xmlNamespaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "BoxInteger",
  "deprecated" : false,
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",

  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum
number of results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

```

```

    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "MaxResults",
    "queryString"
: false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
},
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "Integer",
    "marshallingType" : "INTEGER",
    "name" : "MaxResults",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.*/",
    "setterMethodName" : "setMaxResults",
    "setterModel" : {
        "timestampFormat" : null,

    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",

```

```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNamespaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next
set of results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,

```



```

"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat"
: null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ListResourceInventoryRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ListResourceInventoryRequest",
  "variableName" : "listResourceInventoryRequest",

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    "variableType" : "ListResourceInventoryRequest",
    "documentation" : null,
    "simpleType" : "ListResourceInventoryRequest",
    "variableSetterType" : "ListResourceInventoryRequest"
  },
  "wrapper" : false
},
"ListResourceInventoryResult" : {
  "c2jName" : "ListResourceInventoryResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ResourceInventoryList",
    "c2jShape" : "ResourceInventoryList",
    "deprecated" : false,
    "documentation" : "<p>The detailed list of resources.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The detailed list of resources.</p>\n@param resourceInventoryList The
detailed list of resources.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withResourceInventoryList",
    "getterDocumentation" : "/*<p>The detailed list of resources.</p>\n@return The detailed list of resources.*/",
    "getterMethodName" : "getResourceInventoryList",
    "getterModel" : {
      "returnType" : "java.util.List<ResourceInventory>",
      "documentation" : null
    }
  } ],
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,

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"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ResourceInventoryList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResourceInventoryList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ResourceInventory",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ResourceInventory",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath"
: null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,

```

```

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ResourceInventory",
  "variableName" : "member",
  "variableType" : "ResourceInventory",
  "documentation" : "",
  "simpleType" : "ResourceInventory",
  "variableSetterType" : "ResourceInventory"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ResourceInventory",
  "variableName" : "member",
  "variableType" : "ResourceInventory",
  "documentation" : "",
  "simpleType" : "ResourceInventory",
  "variableSetterType" : "ResourceInventory"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ResourceInventory",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ResourceInventory",
"templateImplType" : "java.util.ArrayList<ResourceInventory>",

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    "templateType" : "java.util.List<ResourceInventory>"
  },
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "List",
  "marshallingType" : "LIST",
  "name" : "ResourceInventoryList",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The detailed list of resources.</p>\n@param resourceInventoryList The
detailed list of resources.*/",
  "setterMethodName" : "setResourceInventoryList",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<ResourceInventory>",
    "variableName" : "resourceInventoryList",
    "variableType" : "java.util.List<ResourceInventory>",
    "documentation" : "",
    "simpleType" : "List<ResourceInventory>",
    "variableSetterType" : "java.util.Collection<ResourceInventory>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>The detailed list of resources.</p>\n<p><b>NOTE:</b> This method
appends the values to the existing list (if any). Use { @link #setResourceInventoryList(java.util.Collection) } or
{ @link #withResourceInventoryList(java.util.Collection) } if you want to override the existing
values.</p>\n@param resourceInventoryList The detailed list of resources.\n@return Returns a reference to this
object so that method calls
can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<ResourceInventory>",
    "variableName" : "resourceInventoryList",
    "variableType" : "java.util.List<ResourceInventory>",
    "documentation" : "<p>The detailed list of resources.</p>",
    "simpleType" : "List<ResourceInventory>",
    "variableSetterType" : "java.util.Collection<ResourceInventory>"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",

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"getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel"
: null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,

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"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}],
"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Token for the next set of results.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token
for the next set of results.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  }
}

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```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass"
: "String",
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>Token for the next set of results.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    },
    "xmlNamespaceUri" : null
},
"ResourceInventoryList" : {
    "c2jName" : "ResourceInventoryList",
    "c2jShape" : "ResourceInventoryList",
    "deprecated" : false,
    "documentation" : "<p>The detailed list of resources.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The detailed list of resources.</p>\n@param resourceInventoryList The

```



detailed list of resources.\n@return Returns a reference to this object so that method calls can be chained together.\*/",

```
"fluentSetterMethodName" : "withResourceInventoryList",  
"getterDocumentation" : "/*<p>The detailed
```

list of resources.</p>\n@return The detailed list of resources.\*/",

```
"getterMethodName" : "getResourceInventoryList",  
"getterModel" : {  
  "returnType" : "java.util.List<ResourceInventory>",  
  "documentation" : null  
},
```

```
"http" : {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocation" : "PAYLOAD",  
  "marshallLocationName" : "ResourceInventoryList",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "ResourceInventoryList",  
  "uri" : false  
},
```

```
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : true,  
"listModel"
```

```
: {
```

```
  "implType" : "java.util.ArrayList",  
  "interfaceType" : "java.util.List",  
  "listMemberModel" : {  
    "c2jName" : "member",  
    "c2jShape" : "ResourceInventory",  
    "deprecated" : false,  
    "documentation" : "",  
    "enumType" : null,
```

"fluentSetterDocumentation" : "/\*&#92;\n@param member \n@return Returns a reference to this object so that method calls can be chained together.\*/",

```
  "fluentSetterMethodName" : "withMember",  
  "getterDocumentation" : "/*&#92;\n@return */",  
  "getterMethodName" : "getMember",  
  "getterModel" : {  
    "returnType" : "ResourceInventory",  
    "documentation" : null
```

```

    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,

"header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat"
: null,
        "variableDeclarationType" : "ResourceInventory",
        "variableName" : "member",
        "variableType" : "ResourceInventory",
        "documentation" : "",
        "simpleType" : "ResourceInventory",
        "variableSetterType" : "ResourceInventory"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,

```

```

    "variableDeclarationType" : "ResourceInventory",
    "variableName" : "member",
    "variableType" : "ResourceInventory",
    "documentation" : "",
    "simpleType" : "ResourceInventory",
    "variableSetterType" : "ResourceInventory"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ResourceInventory",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ResourceInventory",
"templateImplType" : "java.util.ArrayList<ResourceInventory>",
"templateType" : "java.util.List<ResourceInventory>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "ResourceInventoryList",
"sensitive" : false,
"setterDocumentation" : "/*<p>The detailed list of resources.</p>\n@param resourceInventoryList The
detailed list of resources.*/",

"setterMethodName" : "setResourceInventoryList",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ResourceInventory>",
  "variableName" : "resourceInventoryList",
  "variableType" : "java.util.List<ResourceInventory>",
  "documentation" : "",
  "simpleType" : "List<ResourceInventory>",
  "variableSetterType" : "java.util.Collection<ResourceInventory>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>The detailed list of resources.</p>\n<p><b>NOTE:</b> This method
appends the values to the existing list (if any). Use { @link #setResourceInventoryList(java.util.Collection) } or
{ @link #withResourceInventoryList(java.util.Collection) } if you want to override the existing
values.</p>\n@param resourceInventoryList The detailed list of resources.\n@return

```

Returns a reference to this object so that method calls can be chained together.\*/",

```
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<ResourceInventory>",
  "variableName" : "resourceInventoryList",
  "variableType" : "java.util.List<ResourceInventory>",
  "documentation" : "<p>The detailed list of resources.</p>",
  "simpleType" : "List<ResourceInventory>",
  "variableSetterType" : "java.util.Collection<ResourceInventory>"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListResourceInventoryResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType"
: "ListResourceInventoryResult",
  "variableName" : "listResourceInventoryResult",
  "variableType" : "ListResourceInventoryResult",
  "documentation" : null,
  "simpleType" : "ListResourceInventoryResult",
  "variableSetterType" : "ListResourceInventoryResult"
},
"wrapper" : false
},
"ListTagsForResourceRequest" : {
  "c2jName" : "ListTagsForResourceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
```

```

"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "ListTagsForResource",
  "locationName" : null,
  "requestUri"
: "/",
  "target" : "AWSLicenseManager.ListTagsForResource",
  "verb" : "POST",
  "xmlNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN for the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN for the resource.</p>\n@param resourceArn ARN for the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN for the resource.</p>\n@return ARN for the resource.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
  }
},
"greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,

```

```

"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN for the resource.</p>\n@param resourceArn ARN for the resource.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",

"variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN for the resource.</p>\n@param resourceArn ARN for the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "<p>ARN for the resource.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "ResourceArn" : {
    "c2jName" : "ResourceArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN for the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN for the resource.</p>\n@param resourceArn ARN for the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withResourceArn",
    "getterDocumentation" : "/*<p>ARN for the resource.</p>\n@return ARN for the resource.*/",
    "getterMethodName" : "getResourceArn",
    "getterModel" : {

```

```

    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" :
"PAYLOAD",
    "marshallLocationName" : "ResourceArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN for the resource.</p>\n@param resourceArn ARN for the resource.*/",
  "setterMethodName" : "setResourceArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType"
: "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN for the resource.</p>\n@param resourceArn ARN for the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",

```

```

    "variable" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "String",
      "variableName" : "resourceArn",
      "variableType" : "String",
      "documentation" : "<p>ARN for the resource.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceArn" ],
"shapeName" : "ListTagsForResourceRequest",
"signerAware" : false,

"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ListTagsForResourceRequest",
  "variableName" : "listTagsForResourceRequest",
  "variableType" : "ListTagsForResourceRequest",
  "documentation" : null,
  "simpleType" : "ListTagsForResourceRequest",
  "variableSetterType" : "ListTagsForResourceRequest"
},
"wrapper" : false
},
"ListTagsForResourceResult" : {
  "c2jName" : "ListTagsForResourceResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,

```



```

"marshaller" : null,
"members" : [ {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>List of tags attached to the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of tags attached to the resource.</p>\n@param tags List of tags
attached to the resource.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/*<p>List of tags attached to the resource.</p>\n@return List of tags attached to the
resource.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
  },
"header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Tags",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Tags",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,

```

```

"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation"
: "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel"
: null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
}

```

```

    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType"
: "Tag",
        "variableName" : "member",
        "variableType" : "Tag",
        "documentation" : "",
        "simpleType" : "Tag",
        "variableSetterType" : "Tag"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Tags",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>List of tags attached to the
resource.</p>\n@param tags List of tags attached to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},

```

```

"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of tags attached to the resource.</p>\n<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection) } or { @link
#withTags(java.util.Collection) } if you want to override the existing values.</p>\n@param tags List of tags attached
to the resource.\n@return Returns a reference to this object so that method calls can be chained
together.*"/,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>List of tags attached to the resource.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>List of tags attached to the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>List of tags attached to the resource.</p>\n@param tags List of tags
attached to the resource.\n@return Returns a reference to this object so that method calls can be chained
together.*"/,
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation"
: "/*<p>List of tags attached to the resource.</p>\n@return List of tags attached to the resource.*"/,
    "getterMethodName" : "getTags",
    "getterModel" : {
      "returnType" : "java.util.List<Tag>",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Tags",

```

```

    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Tags",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {

    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "Tag",
        "documentation" : null
      }
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload"
: false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,

```

```

    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType"
: "Tag",
        "variableName" : "member",
        "variableType" : "Tag",
        "documentation" : "",
        "simpleType" : "Tag",
        "variableSetterType" : "Tag"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Tag",
        "variableName" : "member",
        "variableType" : "Tag",
        "documentation" : "",
        "simpleType" : "Tag",
        "variableSetterType" : "Tag"
    },
    "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",

"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"

```

```

    },
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "List",
    "marshallingType" : "LIST",
    "name" : "Tags",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>List of tags attached to the resource.</p>\n@param tags List of tags attached
to the resource.*/",
    "setterMethodName" : "setTags",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<Tag>",
        "variableName" : "tags",
        "variableType" : "java.util.List<Tag>",
        "documentation" : "",
        "simpleType" : "List<Tag>",
        "variableSetterType" : "java.util.Collection<Tag>"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>List of tags attached to the resource.</p>\n<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection) } or { @link
#withTags(java.util.Collection) } if you want to override the existing values.</p>\n@param tags List of tags attached
to the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<Tag>",
        "variableName" : "tags",
        "variableType" : "java.util.List<Tag>",
        "documentation" : "<p>List of tags attached
to the resource.</p>",
        "simpleType" : "List<Tag>",
        "variableSetterType" : "java.util.Collection<Tag>"
    },
    "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListTagsForResourceResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
}

```

```

    },
    "variable" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "ListTagsForResourceResult",
      "variableName" : "listTagsForResourceResult",
      "variableType" : "ListTagsForResourceResult",
      "documentation" : null,
      "simpleType" : "ListTagsForResourceResult",
      "variableSetterType" : "ListTagsForResourceResult"
    },
    "wrapper" : false
  },
  "ListUsageForLicenseConfigurationRequest" : {
    "c2jName" : "ListUsageForLicenseConfigurationRequest",
    "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
      "action" : "ListUsageForLicenseConfiguration",
      "locationName" : null,
      "requestUri" : "/",
      "target" : "AWSLicenseManager.ListUsageForLicenseConfiguration",
      "verb" : "POST",
      "xmlNamespaceUri" : null
    },
    "members" : [ {
      "c2jName" : "LicenseConfigurationArn",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>\n@param licenseConfigurationArn ARN of the targeted <code>LicenseConfiguration</code> object.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withLicenseConfigurationArn",
      "getterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>\n@return ARN of the targeted <code>LicenseConfiguration</code> object.*/"
    }
  ]
}

```



```

"getterMethodName" : "getLicenseConfigurationArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LicenseConfigurationArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseConfigurationArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the targeted <code>LicenseConfiguration</code>
object.*/",
"setterMethodName" : "setLicenseConfigurationArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",

"variableName" : "licenseConfigurationArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,

```

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"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the targeted <code>LicenseConfiguration</code>
object.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "licenseConfigurationArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNamespaceUri" : null
}, {
  "c2jName" : "MaxResults",
  "c2jShape" : "BoxInteger",
  "deprecated" : false,
  "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining
results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum number of
results to return in a single call. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",

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    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Integer",
  "marshallingType" : "INTEGER",
  "name" : "MaxResults",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.*/",
  "setterMethodName" : "setMaxResults",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
    "simpleType" : "Integer",

```

```

    "variableSetterType" : "Integer"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/"

```

```

"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType"
: "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "Filters",
  "c2jShape" : "Filters",
  "deprecated" : false,
  "documentation" : "<p>List of filters to apply.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of filters to apply.</p>\n@param filters List of filters to
apply.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withFilters",
  "getterDocumentation" : "/*<p>List of filters to apply.</p>\n@return List of filters to apply.*/",
  "getterMethodName" : "getFilters",
  "getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,

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```

    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName"
: "Filters",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filters",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Filter",

"documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false

```

```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",

"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",

"simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,

```

```

    "simple" : false,
    "simpleType" : "Filter",
    "templateImplType" : "java.util.ArrayList<Filter>",
    "templateType" : "java.util.List<Filter>"
  },
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "List",
  "marshallingType" : "LIST",
  "name" : "Filters",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>List of filters to apply.</p>\n@param filters List of filters to apply.*/",
  "setterMethodName" : "setFilters",
  "setterModel" :
  {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>List of filters to apply.</p>\n<p><b>NOTE:</b> This method appends
the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.</p>\n@param filters List of filters to
apply.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>List of filters to apply.</p>",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "Filters",
    "deprecated" : false,
    "documentation" : "<p>List of filters to apply.</p>",
    "enumType" : null,

```



```

    "fluentSetterDocumentation" : "/*<p>List of filters to apply.</p>\n@param filters List of filters to
apply.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFilters",
    "getterDocumentation" : "/*<p>List of filters to apply.</p>\n@return List of filters to apply.*/",
    "getterMethodName" : "getFilters",
    "getterModel"
: {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Filters",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filters",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape"
: "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/*\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Filter",
            "documentation" : null

```

```

    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName"
    : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Filter",
        "variableName" : "member",
        "variableType" : "Filter",
        "documentation" : "",
        "simpleType"
    : "Filter",
        "variableSetterType" : "Filter"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,

```

```

    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,

"memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "java.util.ArrayList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Filters",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of filters to apply.</p>\n@param filters List of filters to apply.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of filters to apply.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>\n@param filters List of filters to apply.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,

```

```

    "variableDeclarationType" : "java.util.List<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>List of filters to apply.</p>",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },

  "xmlNamespaceUri" : null
},
"LicenseConfigurationArn" : {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>\n@param licenseConfigurationArn ARN of the targeted <code>LicenseConfiguration</code> object.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseConfigurationArn",
  "getterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>\n@return ARN of the targeted <code>LicenseConfiguration</code> object.*/",
  "getterMethodName" : "getLicenseConfigurationArn",
  "getterModel" : {
    "returnType" : "String",

"documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,

```

```

"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "LicenseConfigurationArn",
"sensitive" :
false,
"setterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the targeted <code>LicenseConfiguration</code>
object.*/",
"setterMethodName" : "setLicenseConfigurationArn",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationArn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the targeted <code>LicenseConfiguration</code>
object.</p>\n@param licenseConfigurationArn ARN of the targeted <code>LicenseConfiguration</code>
object.\n@return Returns a reference to this object so that method calls can
be chained together.*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationArn",
"variableType" : "String",
"documentation" : "<p>ARN of the targeted <code>LicenseConfiguration</code> object.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "BoxInteger",
"deprecated" : false,
"documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned

```

`NextToken` value.

`@param maxResults` Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

`@return` Returns a reference to this object so that method calls can be chained together.

```
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" :
null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Integer",
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults Maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "timestampFormat" : null,
```

```

    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Maximum number of results to return in a single call. To retrieve the
remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults
Maximum number of results to return in a single call. To retrieve the remaining results,
make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>Maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNamespaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param
nextToken Token for the next set of results.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,

```

```

    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName"
: "NextToken",
    "uri" : false
},
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>Token for the next set of results.</p>",
        "simpleType" : "String",

```



```

    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "LicenseConfigurationArn" ],
"shapeName" : "ListUsageForLicenseConfigurationRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat"
: null,
  "variableDeclarationType" : "ListUsageForLicenseConfigurationRequest",
  "variableName" : "listUsageForLicenseConfigurationRequest",
  "variableType" : "ListUsageForLicenseConfigurationRequest",
  "documentation" : null,
  "simpleType" : "ListUsageForLicenseConfigurationRequest",
  "variableSetterType" : "ListUsageForLicenseConfigurationRequest"
},
"wrapper" : false
},
"ListUsageForLicenseConfigurationResult" : {
  "c2jName" : "ListUsageForLicenseConfigurationResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember"
: false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "LicenseConfigurationUsageList",
    "c2jShape" : "LicenseConfigurationUsageList",
    "deprecated" : false,
    "documentation" : "<p>An array of <code>LicenseConfigurationUsage</code> objects.</p>",
    "enumType" : null,

```

```

"fluentSetterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n@param licenseConfigurationUsageList An array of <code>LicenseConfigurationUsage</code>
objects.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseConfigurationUsageList",
"getterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n@return An array of <code>LicenseConfigurationUsage</code> objects.*/",
"getterMethodName" : "getLicenseConfigurationUsageList",
"getterModel" : {
"returnType" : "java.util.List<LicenseConfigurationUsage>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LicenseConfigurationUsageList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LicenseConfigurationUsageList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "LicenseConfigurationUsage",

"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/*<n>@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/*<n>@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "LicenseConfigurationUsage",

```

```

    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString"
  : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseConfigurationUsage",
    "variableName" : "member",
    "variableType" : "LicenseConfigurationUsage",
    "documentation" : "",
    "simpleType" : "LicenseConfigurationUsage",
    "variableSetterType"
  : "LicenseConfigurationUsage"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {

```

```

        "timestampFormat" : null,
        "variableDeclarationType" : "LicenseConfigurationUsage",
        "variableName" : "member",
        "variableType" : "LicenseConfigurationUsage",
        "documentation" : "",
        "simpleType" : "LicenseConfigurationUsage",
        "variableSetterType" : "LicenseConfigurationUsage"
    },
    "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseConfigurationUsage",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath"
: null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,
    "simpleType" : "LicenseConfigurationUsage",
    "templateImplType" : "java.util.ArrayList<LicenseConfigurationUsage>",
    "templateType" : "java.util.List<LicenseConfigurationUsage>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurationUsageList",
"sensitive" : false,
"setterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n@param licenseConfigurationUsageList An array of <code>LicenseConfigurationUsage</code>
objects.*/",
"setterMethodName" : "setLicenseConfigurationUsageList",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseConfigurationUsage>",
    "variableName"
: "licenseConfigurationUsageList",
    "variableType" : "java.util.List<LicenseConfigurationUsage>",
    "documentation" : "",
    "simpleType" : "List<LicenseConfigurationUsage>",
    "variableSetterType" : "java.util.Collection<LicenseConfigurationUsage>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link

```

```

#setLicenseConfigurationUsageList(java.util.Collection) } or { @link
#withLicenseConfigurationUsageList(java.util.Collection) } if you want to override the existing
values.</p>\n@param licenseConfigurationUsageList An array of <code>LicenseConfigurationUsage</code>
objects.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "variable" : {

    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseConfigurationUsage>",
    "variableName" : "licenseConfigurationUsageList",
    "variableType" : "java.util.List<LicenseConfigurationUsage>",
    "documentation" : "<p>An array of <code>LicenseConfigurationUsage</code> objects.</p>",
    "simpleType" : "List<LicenseConfigurationUsage>",
    "variableSetterType" : "java.util.Collection<LicenseConfigurationUsage>"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the
next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "fluentSetterMethodName"
: "withNextToken",
  "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*"/,
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
}

```

```

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,

"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for the next
set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "LicenseConfigurationUsageList" : {
    "c2jName" : "LicenseConfigurationUsageList",
    "c2jShape" : "LicenseConfigurationUsageList",
    "deprecated" : false,
    "documentation" : "<p>An array of <code>LicenseConfigurationUsage</code> objects.</p>",
    "enumType" : null,

```

```

    "fluentSetterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n@param licenseConfigurationUsageList An array of <code>LicenseConfigurationUsage</code>
objects.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationUsageList",
    "getterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n@return An array of <code>LicenseConfigurationUsage</code> objects.*/",
    "getterMethodName" : "getLicenseConfigurationUsageList",
    "getterModel" : {
        "returnType" : "java.util.List<LicenseConfigurationUsage>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationUsageList",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName"
: "LicenseConfigurationUsageList",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "LicenseConfigurationUsage",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*<n>@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/*<n>@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {

```

```

        "returnType" : "LicenseConfigurationUsage",
        "documentation"
: null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "StructuredPojo",
    "marshallingType" : "STRUCTURED",
    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "LicenseConfigurationUsage",
        "variableName" : "member",
        "variableType" : "LicenseConfigurationUsage",
        "documentation" : "",
        "simpleType" : "LicenseConfigurationUsage",
        "variableSetterType" : "LicenseConfigurationUsage"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {

```



```

        "timestampFormat" : null,
        "variableDeclarationType"
: "LicenseConfigurationUsage",
        "variableName" : "member",
        "variableType" : "LicenseConfigurationUsage",
        "documentation" : "",
        "simpleType" : "LicenseConfigurationUsage",
        "variableSetterType" : "LicenseConfigurationUsage"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseConfigurationUsage",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseConfigurationUsage",
"templateImplType" : "java.util.ArrayList<LicenseConfigurationUsage>",
"templateType" : "java.util.List<LicenseConfigurationUsage>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseConfigurationUsageList",
"sensitive" : false,
"setterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n@<param> licenseConfigurationUsageList An array of <code>LicenseConfigurationUsage</code>
objects.*/",
"setterMethodName" : "setLicenseConfigurationUsageList",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseConfigurationUsage>",
    "variableName" : "licenseConfigurationUsageList",
    "variableType" : "java.util.List<LicenseConfigurationUsage>",
    "documentation" : "",
    "simpleType" : "List<LicenseConfigurationUsage>",
    "variableSetterType" : "java.util.Collection<LicenseConfigurationUsage>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseConfigurationUsageList(java.util.Collection)} or { @link

```

```

#withLicenseConfigurationUsageList(java.util.Collection)} if you want to override the existing
values.</p>\n@param licenseConfigurationUsageList An array of <code>LicenseConfigurationUsage</code>
objects.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<LicenseConfigurationUsage>",
        "variableName" : "licenseConfigurationUsageList",
        "variableType" : "java.util.List<LicenseConfigurationUsage>",
        "documentation" : "<p>An array of <code>LicenseConfigurationUsage</code>
objects.</p>",
        "simpleType" : "List<LicenseConfigurationUsage>",
        "variableSetterType" : "java.util.Collection<LicenseConfigurationUsage>"
    },
    "xmlNamespaceUri" : null
},
"NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Token for the next set of results.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/*<p>Token for the next set of results.</p>\n@return Token for the next set of
results.*"/,
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation"
: null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NextToken",
        "uri" : false
    },
}

```

```

    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Token for
the next set of results.</p>\n@param nextToken Token for the next set of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Token for the next set of results.</p>\n@param nextToken Token for
the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>Token for the next set of results.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListUsageForLicenseConfigurationResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
    "flattened" : false,

```

```

    "resultWrapper" : null
  },
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ListUsageForLicenseConfigurationResult",
    "variableName" : "listUsageForLicenseConfigurationResult",
    "variableType" : "ListUsageForLicenseConfigurationResult",
    "documentation" : null,
    "simpleType" : "ListUsageForLicenseConfigurationResult",
    "variableSetterType" : "ListUsageForLicenseConfigurationResult"
  },
  "wrapper" : false
},
"ManagedResourceSummary" : {
  "c2jName" : "ManagedResourceSummary",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Summary for a resource.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ResourceType",
    "c2jShape" : "ResourceType",
    "deprecated" : false,
    "documentation" : "<p>Type of resource associated with a license (instance, host, or AMI).</p>",
    "enumType" : "ResourceType",
    "fluentSetterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@param resourceType
Type of resource associated with a license (instance, host, or AMI).\n@return Returns a reference to this object so
that method calls can be chained together.\n@see ResourceType*/",
    "fluentSetterMethodName" : "withResourceType",
    "getterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@return Type of resource associated with a license (instance, host, or AMI).\n@see ResourceType*/",
    "getterMethodName" : "getResourceType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
],

```

```

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceType",

  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceType",
"sensitive" : false,
"setterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@param resourceType Type of resource associated with a license (instance, host, or AMI).\n@see
ResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType"
: "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@param resourceType Type of resource associated with a license (instance, host, or AMI).\n@return
Returns a reference to this object so that method calls can be chained together.\n@see ResourceType*/",

```

```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "<p>Type of resource associated with a license (instance, host, or AMI).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "AssociationCount",
  "c2jShape" : "BoxLong",

  "deprecated" : false,
  "documentation" : "<p>Number of resources associated with licenses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@param
associationCount Number of resources associated with licenses.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAssociationCount",
  "getterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@return Number of
resources associated with licenses.*/",
  "getterMethodName" : "getAssociationCount",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming"
: false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AssociationCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AssociationCount",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,

```

```

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "AssociationCount",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@param associationCount
Number of resources associated with licenses.*/",
"setterMethodName" : "setAssociationCount",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "associationCount",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@param
associationCount Number of resources associated with licenses.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "associationCount",
  "variableType" : "Long",
  "documentation" : "<p>Number of resources associated with licenses.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "AssociationCount" : {
    "c2jName"
: "AssociationCount",
    "c2jShape" : "BoxLong",
    "deprecated" : false,
    "documentation" : "<p>Number of resources associated with licenses.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@param
associationCount Number of resources associated with licenses.\n@return Returns a reference to this object so that
method calls can be chained together.*/",

```

```

"fluentSetterMethodName" : "withAssociationCount",
"getterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@return Number of
resources associated with licenses.*/",
"getterMethodName" : "getAssociationCount",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AssociationCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociationCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",
"marshallingType" : "LONG",
"name" : "AssociationCount",
"sensitive" : false,
"setterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@param
associationCount Number of resources associated with licenses.*/",
"setterMethodName" : "setAssociationCount",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Long",
  "variableName" : "associationCount",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,

```



```

    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Number of resources associated with licenses.</p>\n@param
associationCount Number of resources associated with licenses.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Long",
        "variableName" : "associationCount",
        "variableType" : "Long",
        "documentation" : "<p>Number of resources associated with licenses.</p>",

"simpleType" : "Long",
    "variableSetterType" : "Long"
    },
    "xmlNamespaceUri" : null
},
"ResourceType" : {
    "c2jName" : "ResourceType",
    "c2jShape" : "ResourceType",
    "deprecated" : false,
    "documentation" : "<p>Type of resource associated with a license (instance, host, or AMI).</p>",
    "enumType" : "ResourceType",
    "fluentSetterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@param resourceType Type of resource associated with a license (instance, host, or AMI).\n@return
Returns a reference to this object so that method calls can be chained together.\n@see ResourceType*/",
    "fluentSetterMethodName" : "withResourceType",
    "getterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@return Type of resource associated with a license (instance, host, or AMI).\n@see ResourceType*/",
    "getterMethodName" : "getResourceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",

```

```

    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",

  "marshallingType" : "STRING",
  "name" : "ResourceType",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@param resourceType Type of resource associated with a license (instance, host, or AMI).\n@see
ResourceType*/",
  "setterMethodName" : "setResourceType",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Type of resource associated with a license (instance, host, or
AMI).</p>\n@param resourceType Type of resource associated with a license
(instance, host, or AMI).\n@return Returns a reference to this object so that method calls can be chained
together.\n@see ResourceType*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>Type of resource associated with a license (instance, host, or AMI).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,

```

```

"required" : null,
"shapeName" : "ManagedResourceSummary",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "ManagedResourceSummary",
  "variableName" : "managedResourceSummary",
  "variableType" : "ManagedResourceSummary",
  "documentation" : null,
  "simpleType" : "ManagedResourceSummary",
  "variableSetterType" : "ManagedResourceSummary"
},
"wrapper" : false
},
"OrganizationConfiguration" : {
  "c2jName" : "OrganizationConfiguration",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Object containing configuration information for AWS Organizations.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "EnableIntegration",
    "c2jShape"
: "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Flag to activate AWS Organization integration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@param
enableIntegration Flag to activate AWS Organization integration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEnableIntegration",
    "getterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@return Flag to activate

```

```

AWS Organization integration.*/",
  "getterMethodName" : "getEnableIntegration",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,

"isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EnableIntegration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EnableIntegration",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "EnableIntegration",
"sensitive" : false,
"setterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@param
enableIntegration Flag to activate AWS Organization integration.*/",
  "setterMethodName" : "setEnableIntegration",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType"
: "Boolean",
    "variableName" : "enableIntegration",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,

```

```

"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@param
enableIntegration Flag to activate AWS Organization integration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableIntegration",
  "variableType" : "Boolean",
  "documentation" : "<p>Flag to activate AWS Organization integration.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null

} ],
"membersAsMap" : {
  "EnableIntegration" : {
    "c2jName" : "EnableIntegration",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Flag to activate AWS Organization integration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@param
enableIntegration Flag to activate AWS Organization integration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEnableIntegration",
    "getterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@return Flag to
activate AWS Organization integration.*/",
    "getterMethodName" : "getEnableIntegration",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" :
null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EnableIntegration",
    "queryString" : false,

```

```

    "statusCode" : false,
    "unmarshallLocationName" : "EnableIntegration",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Boolean",
  "marshallingType" : "BOOLEAN",
  "name" : "EnableIntegration",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@param
enableIntegration
Flag to activate AWS Organization integration.*/",
  "setterMethodName" : "setEnabledIntegration",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "enableIntegration",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Flag to activate AWS Organization integration.</p>\n@param
enableIntegration Flag to activate AWS Organization integration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "enableIntegration",

"variableType" : "Boolean",
    "documentation" : "<p>Flag to activate AWS Organization integration.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,

```

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"requestSignerClassFqcn" : null,
"required" : [ "EnableIntegration" ],
"shapeName" : "OrganizationConfiguration",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "OrganizationConfiguration",
  "variableName" : "organizationConfiguration",
  "variableType" : "OrganizationConfiguration",
  "documentation" : null,
  "simpleType" : "OrganizationConfiguration",
  "variableSetterType" : "OrganizationConfiguration"
},
"wrapper" : false
},

"RateLimitExceededException" : {
  "c2jName" : "RateLimitExceededException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
  "enums" : null,
  "errorCode" : "RateLimitExceededException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RateLimitExceededException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {

```

```

"timestampFormat" : null,
"variableDeclarationType" : "RateLimitExceededException",
"variableName" : "rateLimitExceededException",
"variableType" : "RateLimitExceededException",
"documentation" : null,
"simpleType" : "RateLimitExceededException",
"variableSetterType" : "RateLimitExceededException"
},
"wrapper" : false
},
"ResourceInventory" : {
"c2jName" : "ResourceInventory",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>A set of attributes that describe a resource.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName"
: "ResourceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique ID of the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@param resourceId Unique ID of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResourceId",
"getterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@return Unique ID of the resource.*/",
"getterMethodName" : "getResourceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,

```



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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,

    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceId",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@param resourceId Unique ID of the
resource.*/",
  "setterMethodName" : "setResourceId",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",

    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@param resourceId Unique ID of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
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    "documentation" : "<p>Unique ID of the resource.</p>",
    "simpleType" : "String",

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    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>The type of resource.</p>",
  "enumType" : "ResourceType",
  "fluentSetterDocumentation" : "/*<p>The type
of resource.</p>\n@param resourceType The type of resource.\n@return Returns a reference to this object so that
method calls can be chained together.\n@see ResourceType*/",
  "fluentSetterMethodName" : "withResourceType",
  "getterDocumentation" : "/*<p>The type of resource.</p>\n@return The type of resource.\n@see
ResourceType*/",
  "getterMethodName" : "getResourceType",
  "getterModel" : {
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceType",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The type of resource.</p>\n@param resourceType The type of

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resource.\n@see ResourceType*/",
  "setterMethodName" : "setResourceType",
  "setterModel" : {
    "timestampFormat" : null,
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    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation"
: "/*<p>The type of resource.</p>\n@param resourceType The type of resource.\n@return Returns a reference to
this object so that method calls can be chained together.\n@see ResourceType*/",
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    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>The type of resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ARN of the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ARN of the resource.</p>\n@param resourceArn The ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName"
: "withResourceArn",
  "getterDocumentation" : "/*<p>The ARN of the resource.</p>\n@return The ARN of the resource.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,

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    "header" : false,
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    "isStreaming" : false,
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    "marshallLocationName" : "ResourceArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The ARN of the resource.</p>\n@param resourceArn The ARN of the
resource.*/",
  "setterMethodName" : "setResourceArn",
  "setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>The ARN of the resource.</p>\n@param resourceArn The ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "<p>The ARN of the resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"

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    "deprecated" : false,
    "documentation" : "<p>The platform of the resource.</p>",
    "enumType" : null,
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the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPlatform",
    "getterDocumentation" : "/*<p>The platform of the resource.</p>\n@return The platform of the resource.*/",
    "getterMethodName" : "getPlatform",
    "getterModel" : {
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: "String",
      "documentation" : null
    },
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      "greedy" : false,
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      "isStreaming" : false,
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      "marshallLocationName" : "Platform",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Platform",
      "uri" : false
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    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
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    "marshallingType" : "STRING",
    "name" : "Platform",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>The platform of the resource.</p>\n@param
platform The platform of the resource.*/",
    "setterMethodName" : "setPlatform",

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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>The platform of the resource.</p>\n@param platform The platform of
the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The platform of the resource.</p>",
  "simpleType"
: "String",
  "variableSetterType" : "String"
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"xmlNamespaceUri" : null
}, {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Platform version of the resource in the inventory.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@param
platformVersion Platform version of the resource in the inventory.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPlatformVersion",
  "getterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@return Platform
version of the resource in the inventory.*/",
  "getterMethodName" : "getPlatformVersion",
  "getterModel" : {
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    "documentation" : null
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  "http" : {

"additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,

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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocationName" : "PlatformVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "PlatformVersion",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
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  "marshallingType" : "STRING",
  "name" : "PlatformVersion",
  "sensitive" : false,
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platformVersion Platform version of the
resource in the inventory.*/",
  "setterMethodName" : "setPlatformVersion",
  "setterModel" : {
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    "variableName" : "platformVersion",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@param
platformVersion Platform version of the resource in the inventory.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "variable" : {
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    "variableDeclarationType" : "String",
    "variableName" : "platformVersion",
    "variableType" : "String",
    "documentation" : "<p>Platform

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version of the resource in the inventory.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "ResourceOwningAccountId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique ID of the account that owns the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Unique ID of the account that owns the resource.</p>\n@param
resourceOwningAccountId Unique ID of the account that owns the resource.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceOwningAccountId",
  "getterDocumentation" : "/*<p>Unique ID of the account that owns the resource.</p>\n@return Unique ID of
the account that owns the resource.*/",
  "getterMethodName" : "getResourceOwningAccountId",
  "getterModel" : {
    "returnType"
: "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceOwningAccountId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceOwningAccountId",
    "uri" : false
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  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "marshallingType" : "STRING",

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"name" : "ResourceOwningAccountId",
"sensitive" : false,
"setterDocumentation"
: "/*<p>Unique ID of the account that owns the resource.</p>\n@param resourceOwningAccountId Unique ID of
the account that owns the resource.*/",
"setterMethodName" : "setResourceOwningAccountId",
"setterModel" : {
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"variableDeclarationType" : "String",
"variableName" : "resourceOwningAccountId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Unique ID of the account that owns the resource.</p>\n@param
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object so that method calls can be chained together.*/",
"variable" : {
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"variableDeclarationType"
: "String",
"variableName" : "resourceOwningAccountId",
"variableType" : "String",
"documentation" : "<p>Unique ID of the account that owns the resource.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
"Platform" : {
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The platform of the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The platform of the resource.</p>\n@param platform The platform of
the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/*<p>The platform of the resource.</p>\n@return The platform of the resource.*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null

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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Platform",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
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"sensitive" : false,
"setterDocumentation" : "/*<p>The platform of the resource.</p>\n@param platform The platform of the
resource.*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>The platform of the resource.</p>\n@param platform The platform of
the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,

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    "variableType" : "String",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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  "xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Platform version of the resource in the inventory.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@param
platformVersion Platform version of the resource in the inventory.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPlatformVersion",
  "getterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@return Platform
version of the resource
in the inventory.*/",
  "getterMethodName" : "getPlatformVersion",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PlatformVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PlatformVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,

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    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass"
: "String",
    "marshallingType" : "STRING",
    "name" : "PlatformVersion",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@param
platformVersion Platform version of the resource in the inventory.*"/,
    "setterMethodName" : "setPlatformVersion",
    "setterModel" : {
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        "variableDeclarationType" : "String",
        "variableName" : "platformVersion",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
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    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Platform version of the resource in the inventory.</p>\n@param
platformVersion Platform version of the resource in the inventory.\n@return Returns a reference
to this object so that method calls can be chained together.*"/,
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        "variableDeclarationType" : "String",
        "variableName" : "platformVersion",
        "variableType" : "String",
        "documentation" : "<p>Platform version of the resource in the inventory.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
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"ResourceArn" : {
    "c2jName" : "ResourceArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ARN of the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ARN of the resource.</p>\n@param resourceArn The ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
    "fluentSetterMethodName" : "withResourceArn",

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"getterDocumentation" : "/*<p>The ARN of the resource.</p>\n@return The ARN of the resource.*/",
"getterMethodName" : "getResourceArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,

"map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The ARN of the resource.</p>\n@param resourceArn The ARN of the
resource.*/",
  "setterMethodName" : "setResourceArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,

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"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>The ARN of the resource.</p>\n@param resourceArn The ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ARN of the resource.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNamespaceUri" : null
},
"ResourceId" : {
  "c2jName" : "ResourceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique ID of the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@param resourceId Unique ID of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceId",
  "getterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@return Unique
ID of the resource.*/",
  "getterMethodName" : "getResourceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "ResourceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceId",
  "uri" : false
},
"idempotencyToken" : false,

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"isBinary" : false,
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"map" : false,
"mapModel" : null,
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"marshallingType" : "STRING",
"name" : "ResourceId",
"sensitive" : false,
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resource.*/",
"setterMethodName" : "setResourceId",
"setterModel" : {
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  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Unique ID of the resource.</p>\n@param resourceId Unique ID of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "<p>Unique ID of the resource.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"ResourceOwningAccountId" : {
  "c2jName" : "ResourceOwningAccountId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique ID of the account that owns the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Unique ID of the account that owns the resource.</p>\n@param
resourceOwningAccountId Unique ID of the account that owns the resource.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceOwningAccountId",

```

```

"getterDocumentation" : "/*<p>Unique
ID of the account that owns the resource.</p>\n@return Unique ID of the account that owns the resource.*/",
"getterMethodName" : "getResourceOwningAccountId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceOwningAccountId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceOwningAccountId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceOwningAccountId",
"sensitive" : false,
"setterDocumentation" : "/*<p>Unique ID of the account that owns the resource.</p>\n@param
resourceOwningAccountId Unique ID of the account that owns the resource.*/",
"setterMethodName" : "setResourceOwningAccountId",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceOwningAccountId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,

```



```

    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Unique ID of
the account that owns the resource.</p>\n@param resourceOwningAccountId Unique ID of the account that owns
the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceOwningAccountId",
        "variableType" : "String",
        "documentation" : "<p>Unique ID of the account that owns the resource.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"ResourceType" : {
    "c2jName" : "ResourceType",
    "c2jShape" : "ResourceType",
    "deprecated" : false,
    "documentation" : "<p>The type of resource.</p>",
    "enumType" : "ResourceType",
    "fluentSetterDocumentation" : "/*<p>The type of resource.</p>\n@param resourceType The type of
resource.\n@return
Returns a reference to this object so that method calls can be chained together.\n@see ResourceType*/",
    "fluentSetterMethodName" : "withResourceType",
    "getterDocumentation" : "/*<p>The type of resource.</p>\n@return The type of resource.\n@see
ResourceType*/",
    "getterMethodName" : "getResourceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ResourceType",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ResourceType",

```

```

"uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceType",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>The type of resource.</p>\n@param resourceType The type of
resource.\n@see ResourceType*/",
  "setterMethodName" : "setResourceType",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType"
: null,
  "varargSetterDocumentation" : "/*<p>The type of resource.</p>\n@param resourceType The type of
resource.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
ResourceType*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>The type of resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResourceInventory",

```

```

"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,

  "variableDeclarationType" : "ResourceInventory",
  "variableName" : "resourceInventory",
  "variableType" : "ResourceInventory",
  "documentation" : null,
  "simpleType" : "ResourceInventory",
  "variableSetterType" : "ResourceInventory"
},
"wrapper" : false
},
"ResourceLimitExceededException" : {
  "c2jName" : "ResourceLimitExceededException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Your resource limits have been exceeded.</p>",
  "enums" : null,
  "errorCode" : "ResourceLimitExceededException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap"
: { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ResourceLimitExceededException",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ResourceLimitExceededException",

```

```

    "variableName" : "resourceLimitExceededException",
    "variableType" : "ResourceLimitExceededException",
    "documentation" : null,
    "simpleType" : "ResourceLimitExceededException",
    "variableSetterType" : "ResourceLimitExceededException"
  },
  "wrapper" : false
},
"ResourceType" : {
  "c2jName" : "ResourceType",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation"
: "",
  "enums" : [ {
    "name" : "EC2_INSTANCE",
    "value" : "EC2_INSTANCE"
  }, {
    "name" : "EC2_HOST",
    "value" : "EC2_HOST"
  }, {
    "name" : "EC2_AMI",
    "value" : "EC2_AMI"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
  "shapeName" : "ResourceType",
  "signerAware" : false,
  "signerType" : null,
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {

```

```

    "timestampFormat" : null,
    "variableDeclarationType" : "ResourceType",
    "variableName" : "resourceType",
    "variableType" : "ResourceType",
    "documentation" : null,

    "simpleType" : "ResourceType",
    "variableSetterType" : "ResourceType"
  },
  "wrapper" : false
},
"ServerInternalException" : {
  "c2jName" : "ServerInternalException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>The server experienced an internal error. Try again.</p>",
  "enums" : null,
  "errorCode" : "ServerInternalException",
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ServerInternalException",
  "signerAware" : false,
  "signerType"
: null,
  "unmarshaller" : null,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "ServerInternalException",
    "variableName" : "serverInternalException",
    "variableType" : "ServerInternalException",
    "documentation" : null,
    "simpleType" : "ServerInternalException",
    "variableSetterType" : "ServerInternalException"
  },
  "wrapper" : false

```

```

},
"Tag" : {
  "c2jName" : "Tag",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Tag for a resource in a key-value format.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller"
: null,
  "members" : [ {
    "c2jName" : "Key",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Key for the resource tag.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Key for the resource tag.</p>\n@param key Key for the resource tag.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKey",
    "getterDocumentation" : "/*<p>Key for the resource tag.</p>\n@return Key for the resource tag.*/",
    "getterMethodName" : "getKey",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location"
: null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Key",
    "queryString" : false,
    "statusCode" : false,

```

```

    "unmarshallLocationName" : "Key",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Key",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Key for the resource tag.</p>\n@param key Key for the resource tag.*/",
  "setterMethodName" : "setKey",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" :
"String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Key for the resource tag.</p>\n@param key Key for the resource
tag.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "<p>Key for the resource tag.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "Value",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Value for the resource tag.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Value for the resource tag.</p>\n@param value Value for the resource

```

```

tag.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/*<p>Value for the resource tag.</p>\n@return Value for the resource tag.*"/,
  "getterMethodName" : "getValue",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Value",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,

  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Value",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Value for the resource tag.</p>\n@param value Value for the resource tag.*"/,
  "setterMethodName" : "setValue",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,

```



```

"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Value for the resource tag.</p>\n@param value Value for the resource
tag.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>Value for the resource tag.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "Key" : {
    "c2jName" : "Key",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Key for the resource tag.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Key for the resource tag.</p>\n@param key Key for the resource
tag.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKey",
    "getterDocumentation" : "/*<p>Key for the resource tag.</p>\n@return Key for
the resource tag.*/",
    "getterMethodName" : "getKey",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Key",
    "uri" : false
  }
}

```

```

    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType"
: "STRING",
    "name" : "Key",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Key for the resource tag.</p>\n@param key Key for the resource tag.*/",
    "setterMethodName" : "setKey",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "key",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Key for the resource tag.</p>\n@param key Key for the resource
tag.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",

"variableName" : "key",
        "variableType" : "String",
        "documentation" : "<p>Key for the resource tag.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"Value" : {
    "c2jName" : "Value",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Value for the resource tag.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Value for the resource tag.</p>\n@param value Value for the resource

```

```

tag.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/*<p>Value for the resource tag.</p>\n@return Value for the resource tag.*"/,
  "getterMethodName" : "getValue",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Value",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Value",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Value for the resource tag.</p>\n@param
value Value for the resource tag.*"/,
  "setterMethodName" : "setValue",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,

```

```

    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Value for the resource tag.</p>\n@param value Value for the resource
tag.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "value",
        "variableType" : "String",
        "documentation" : "<p>Value for the resource tag.</p>",

        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Tag",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Tag",
    "variableName" : "tag",
    "variableType" : "Tag",
    "documentation" : null,
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
},
"wrapper" : false
},
"TagResourceRequest" : {
    "c2jName" : "TagResourceRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
},
"deprecated" : false,

```

```

"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "TagResource",
  "locationName" : null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.TagResource",
  "verb" : "POST",
  "xmlNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Resource of the ARN to be tagged.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@param resourceArn Resource
of the ARN to be tagged.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation"
: "/*<p>Resource of the ARN to be tagged.</p>\n@return Resource of the ARN to be tagged.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
},

```

```

    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass"
: "String",
    "marshallingType" : "STRING",
    "name" : "ResourceArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@param resourceArn Resource of
the ARN to be tagged.*/",
    "setterMethodName" : "setResourceArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@param resourceArn
Resource of the ARN to be tagged.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "variable" : {
        "timestampFormat"
: null,
        "variableDeclarationType" : "String",
        "variableName" : "resourceArn",
        "variableType" : "String",
        "documentation" : "<p>Resource of the ARN to be tagged.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>Names of the tags to attach to the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n@param tags Names

```

of the tags to attach to the resource.\n@return Returns a reference to this object so that method calls can be chained together.\*/",

```
"fluentSetterMethodName" : "withTags",  
"getterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n@return Names of the tags  
to attach to the resource.*/",
```

```
"getterMethodName"  
: "getTags",  
"getterModel" : {  
  "returnType" : "java.util.List<Tag>",  
  "documentation" : null  
},  
"http" : {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocation" : "PAYLOAD",  
  "marshallLocationName" : "Tags",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "Tags",  
  "uri" : false  
},  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : true,  
"listModel" : {  
  "implType" : "java.util.ArrayList",  
  "interfaceType" : "java.util.List",  
  "listMemberModel" : {  
    "c2jName" : "member",  
    "c2jShape" : "Tag",  
    "deprecated" : false,  
    "documentation" : "",  
    "enumType" : null,  
    "fluentSetterDocumentation" : "/*<n>\n@param member \n@return Returns a reference to this object so that  
method calls can be chained together.*/",  
    "fluentSetterMethodName" : "withMember",  
    "getterDocumentation" : "/*<n>\n@return */",  
    "getterMethodName" : "getMember",  
    "getterModel" : {  
      "returnType" : "Tag",  
      "documentation" : null
```

```

},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,

"statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"shouldEmitLegacyEnumSetter" : false,

"simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,

```



```

    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Tags",
"sensitive" : false,
"setterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n@param tags Names of the
tags to attach to the resource.*",
"setterMethodName" : "setTags",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection) } or { @link
#withTags(java.util.Collection) } if you want to override the existing values.</p>\n@param tags Names of the tags
to attach to the resource.\n@return Returns a reference to this object so that method calls can be chained
together.*",
  "variable" : {

```

```

"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Names of the tags to attach to the resource.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
"ResourceArn" : {
"c2jName" : "ResourceArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Resource
of the ARN to be tagged.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@param resourceArn
Resource of the ARN to be tagged.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withResourceArn",
"getterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@return Resource of the ARN to be
tagged.*/",
"getterMethodName" : "getResourceArn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "ResourceArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResourceArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,

```

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"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@param resourceArn Resource of
the ARN to be tagged.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "",

"simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Resource of the ARN to be tagged.</p>\n@param resourceArn
Resource of the ARN to be tagged.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "<p>Resource of the ARN to be tagged.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Names of the
tags to attach to the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n@param tags Names
of the tags to attach to the resource.\n@return Returns a reference to this object so that method calls can be chained

```

```

together.*/",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n@return Names of the tags
to attach to the resource.*/",
    "getterMethodName" : "getTags",
    "getterModel" : {
        "returnType" : "java.util.List<Tag>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,

"marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Tags",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Tags",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "Tag",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*<n>@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/*<n>@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "Tag",
                "documentation" : null
            },
}

```

```

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,

```

```

"variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "Tags",
"sensitive"
: false,
  "setterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n@param tags Names of the tags to attach to the resource.*/",
  "setterMethodName" : "setTags",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Names of the tags to attach to the resource.</p>\n<p><b>NOTE:</b></p>This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p>\n@param tags Names of the tags to attach to the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",

```

```

    "variable" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "java.util.List<Tag>",
      "variableName" : "tags",
      "variableType" : "java.util.List<Tag>",
      "documentation" : "<p>Names of the tags to attach to the resource.</p>",
      "simpleType" : "List<Tag>",
      "variableSetterType" : "java.util.Collection<Tag>"
    },
    "xmlNamespaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceArn", "Tags" ],
"shapeName" : "TagResourceRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "TagResourceRequest",
  "variableName"
: "tagResourceRequest",
  "variableType" : "TagResourceRequest",
  "documentation" : null,
  "simpleType" : "TagResourceRequest",
  "variableSetterType" : "TagResourceRequest"
},
"wrapper" : false
},
"TagResourceResult" : {
  "c2jName" : "TagResourceResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,

```

```

"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "TagResourceResult",
"signerAware"
: false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "TagResourceResult",
  "variableName" : "tagResourceResult",
  "variableType" : "TagResourceResult",
  "documentation" : null,
  "simpleType" : "TagResourceResult",
  "variableSetterType" : "TagResourceResult"
},
"wrapper" : false
},
"UntagResourceRequest" : {
  "c2jName" : "UntagResourceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,

"hasStreamingMember" : false,
"marshaller" : {
  "action" : "UntagResource",
  "locationName" : null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.UntagResource",
  "verb" : "POST",
  "xmlNamespaceUri" : null

```



```

},
"members" : [ {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the resource.</p>\n@param resourceArn ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN of the resource.</p>\n@return ARN of the resource.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
},
"http" :
{
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the resource.</p>\n@param resourceArn ARN of the resource.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
  "timestampFormat" : null,

```

```

    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the resource.</p>\n@param resourceArn ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "TagKeys",
  "c2jShape" : "TagKeyList",
  "deprecated" : false,
  "documentation" : "<p>List keys identifying tags to remove.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n@param tagKeys List keys
identifying tags to remove.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withTagKeys",
  "getterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n@return List keys identifying tags
to remove.*/",
  "getterMethodName" : "getTagKeys",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
  }
}

```

```

"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagKeys",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return
*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,

```

```

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",

"variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",

```

```

    "templateImplType" : "java.util.ArrayList<String>",
    "templateType" : "java.util.List<String>"
  },
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "List",
  "marshallingType" : "LIST",
  "name" : "TagKeys",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>List keys identifying
tags to remove.</p>\n@param tagKeys List keys identifying tags to remove.*/",
  "setterMethodName" : "setTagKeys",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "tagKeys",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setTagKeys(java.util.Collection) } or { @link
#withTagKeys(java.util.Collection) } if you want to override the existing values.</p>\n@param tagKeys List keys
identifying tags to remove.\n@return Returns a reference to this object
so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "tagKeys",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>List keys identifying tags to remove.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "ResourceArn" : {
    "c2jName" : "ResourceArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the resource.</p>\n@param resourceArn ARN of the

```

```

resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN of the resource.</p>\n@return ARN of the resource.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,

"map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "ResourceArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of the resource.</p>\n@param resourceArn ARN of the resource.*/",
  "setterMethodName" : "setResourceArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,

```

```

"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the resource.</p>\n@param resourceArn ARN of the
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the resource.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"TagKeys" : {
  "c2jName" : "TagKeys",
  "c2jShape" : "TagKeyList",
  "deprecated" : false,
  "documentation" : "<p>List keys identifying tags to remove.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n@param tagKeys List keys
identifying tags to remove.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withTagKeys",
  "getterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n@return
List keys identifying tags to remove.*/",
  "getterMethodName" : "getTagKeys",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TagKeys",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagKeys",
  "uri" : false
},

```

```

    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
      "implType" : "java.util.ArrayList",
      "interfaceType"
: "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
          "returnType" : "String",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
          "isPayload" : false,
          "isStreaming" : false,
          "location" : null,
          "marshallLocation" : "PAYLOAD",
          "marshallLocationName" : "member",
          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "member",
          "uri" : false
        },
        "idempotencyToken" : false,
        "isBinary" : false,
        "jsonValue" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "marshallingTargetClass" : "String",
        "marshallingType" : "STRING",

```



```

    "name" : "Member",
    "sensitive" : false,
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists"
: false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "TagKeys",
"sensitive" : false,

```

```

"setterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n@param tagKeys List keys
identifying tags to remove.*"/,
"setterMethodName" : "setTagKeys",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List keys identifying tags to remove.</p>\n<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setTagKeys(java.util.Collection) } or { @link
#withTagKeys(java.util.Collection) } if you want to override the existing values.</p>\n@param tagKeys List keys
identifying tags to remove.\n@return Returns a reference to this object so that method calls can be chained
together.*"/,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>List keys
identifying tags to remove.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceArn", "TagKeys" ],
"shapeName" : "UntagResourceRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UntagResourceRequest",
  "variableName" : "untagResourceRequest",
  "variableType" : "UntagResourceRequest",
  "documentation" : null,
  "simpleType" : "UntagResourceRequest",
  "variableSetterType" : "UntagResourceRequest"
}

```

```

    },
    "wrapper" : false
  },
  "UntagResourceResult" : {
    "c2jName" : "UntagResourceResponse",
    "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller"
: false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqn" : null,
    "required" : null,
    "shapeName" : "UntagResourceResult",
    "signerAware" : false,
    "signerType" : null,
    "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
    },
    "variable" : {
      "timestampFormat" : null,
      "variableDeclarationType" : "UntagResourceResult",
      "variableName" : "untagResourceResult",
      "variableType" : "UntagResourceResult",
      "documentation" : null,
      "simpleType"
: "UntagResourceResult",
      "variableSetterType" : "UntagResourceResult"
    },
    "wrapper" : false
  },
  "UpdateLicenseConfigurationRequest" : {
    "c2jName" : "UpdateLicenseConfigurationRequest",
    "customization" : {

```

```

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "UpdateLicenseConfiguration",
  "locationName" : null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.UpdateLicenseConfiguration",
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "LicenseConfigurationArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN for a license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@param
licenseConfigurationArn ARN for a license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*",
  "fluentSetterMethodName" : "withLicenseConfigurationArn",
  "getterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@return ARN for a license
configuration.*",
  "getterMethodName" : "getLicenseConfigurationArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,

  "isStreaming" : false,
  "location" : null,

```

```

    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@param licenseConfigurationArn ARN
for a license configuration.*/",
  "setterMethodName" : "setLicenseConfigurationArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",

    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@param
licenseConfigurationArn ARN for a license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationArn",
    "variableType" : "String",
    "documentation" : "<p>ARN for a license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {

```

```

    "c2jName" : "LicenseConfigurationStatus",
    "c2jShape" : "LicenseConfigurationStatus",
    "deprecated" : false,
    "documentation" : "<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>",
    "enumType" : "LicenseConfigurationStatus",
    "fluentSetterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@param licenseConfigurationStatus New status of the license configuration
(<code>ACTIVE</code> or <code>INACTIVE</code>).\n@return Returns a reference to this object so that
method calls can be chained together.\n@see LicenseConfigurationStatus*/",
    "fluentSetterMethodName" : "withLicenseConfigurationStatus",
    "getterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@return New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).\n@see LicenseConfigurationStatus*/",
    "getterMethodName"
: "getLicenseConfigurationStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationStatus",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationStatus",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",

    "name" : "LicenseConfigurationStatus",
    "sensitive" : false,

```

```

"setterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@param licenseConfigurationStatus New status of the license configuration
(<code>ACTIVE</code> or <code>INACTIVE</code>).\n@see LicenseConfigurationStatus*/",
"setterMethodName" : "setLicenseConfigurationStatus",
"setterModel" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationStatus",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@param licenseConfigurationStatus
New status of the license configuration (<code>ACTIVE</code> or <code>INACTIVE</code>).\n@return
Returns a reference to this object so that method calls can be chained together.\n@see
LicenseConfigurationStatus*/",
"variable" : {
"timestampFormat" : null,
"variableDeclarationType" : "String",
"variableName" : "licenseConfigurationStatus",
"variableType" : "String",
"documentation" : "<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "LicenseRules",
"c2jShape" : "StringList",
"deprecated" : false,
"documentation" : "<p>List of flexible text strings designating license rules.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>List of flexible text strings designating
license rules.</p>\n@param licenseRules List of flexible text strings designating license rules.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseRules",
"getterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@return List of
flexible text strings designating license rules.*/",
"getterMethodName" : "getLicenseRules",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null

```

```

    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseRules",
        "queryString"
    : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseRules",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            }
        },
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,

```



```

    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param
member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
},

```

```

"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseRules",
"sensitive" : false,
"setterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@param
licenseRules List of flexible text strings designating license rules.*/",
"setterMethodName" : "setLicenseRules",
"setterModel"
: {
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "licenseRules",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of flexible text strings designating license
rules.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseRules(java.util.Collection)} or { @link #withLicenseRules(java.util.Collection)} if you want to override
the existing values.</p>\n@param licenseRules List of flexible text strings designating license rules.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "licenseRules",
"variableType" : "java.util.List<String>",
"documentation" : "<p>List of flexible text strings designating license rules.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
}
}

```

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    },
    "xmlNamespaceUri" : null
  }, {
    "c2jName" : "LicenseCount",
    "c2jShape" : "BoxLong",
    "deprecated" : false,
    "documentation" : "<p>New number of licenses managed by the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>New number of licenses managed by the license
configuration.</p>\n@param licenseCount New number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseCount",
    "getterDocumentation" : "/*<p>New number of licenses managed by the license configuration.</p>\n@return
New number of licenses managed by the license configuration.*/",
    "getterMethodName" : "getLicenseCount",
    "getterModel" : {
      "returnType" : "Long",
      "documentation" : null
    },
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "LicenseCount",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "LicenseCount",
      "uri" : false
    },
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,

    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "Long",
    "marshallingType" : "LONG",
    "name" : "LicenseCount",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>New number of licenses managed by the license configuration.</p>\n@param

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licenseCount New number of licenses managed by the license configuration.*/",
  "setterMethodName" : "setLicenseCount",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>New number of licenses managed by the license
configuration.</p>\n@param licenseCount New number
of licenses managed by the license configuration.\n@return Returns a reference to this object so that method calls
can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "<p>New number of licenses managed by the license configuration.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "LicenseCountHardLimit",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseCountHardLimit",
  "getterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@return Sets the
number of available licenses as a hard limit.*/",
  "getterMethodName" : "getLicenseCountHardLimit",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,

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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCountHardLimit",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCountHardLimit",
    "uri" :
false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Boolean",
  "marshallingType" : "BOOLEAN",
  "name" : "LicenseCountHardLimit",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.*/",
  "setterMethodName" : "setLicenseCountHardLimit",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" :
true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",

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```

    "variableType" : "Boolean",
    "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>New name of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>New name of the
license configuration.</p>\n@param name New name of the license configuration.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/*<p>New name of the license configuration.</p>\n@return New name of the
license configuration.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri"
  } : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",

```

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"marshallingType" : "STRING",
"name" : "Name",
"sensitive" : false,
"setterDocumentation" : "/*<p>New name of the license configuration.</p>\n@param name New name of the
license configuration.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>New name of
the license configuration.</p>\n@param name New name of the license configuration.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>New name of the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
}, {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>New human-friendly description of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>New human-friendly description of the license
configuration.</p>\n@param description New human-friendly description of the license configuration.\n@return
Returns a reference
to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/*<p>New human-friendly description of the license configuration.</p>\n@return
New human-friendly description of the license configuration.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null

```

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    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Description",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Description",
        "uri" : false
    },
    "idempotencyToken"
: false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Description",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>New human-friendly description of the license configuration.</p>\n@param
description New human-friendly description of the license configuration.*/",
    "setterMethodName" : "setDescription",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation"
: "/*<p>New human-friendly description of the license configuration.</p>\n@param description New human-
friendly description of the license configuration.\n@return Returns a reference to this object so that method calls can
be chained together.*/",

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"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>New human-friendly description of the license configuration.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>New human-friendly description of the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation"
: /**<p>New human-friendly description of the license configuration.</p>\n@param description New human-
friendly description of the license configuration.\n@return Returns a reference to this object so that method calls can
be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : /**<p>New human-friendly description of the license configuration.</p>\n@return
New human-friendly description of the license configuration.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Description",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,

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    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "Description",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>New human-friendly description of the license configuration.</p>\n@param
description New human-friendly description of the license configuration.*/",
    "setterMethodName" : "setDescription",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType"
: "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>New human-friendly description of the license
configuration.</p>\n@param description New human-friendly description of the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "<p>New human-friendly description of the license configuration.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"LicenseConfigurationArn"
: {
    "c2jName" : "LicenseConfigurationArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN for a license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@param
licenseConfigurationArn ARN for a license configuration.\n@return Returns a reference to this object so that

```

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method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseConfigurationArn",
    "getterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@return ARN for a license
configuration.*/",
    "getterMethodName" : "getLicenseConfigurationArn",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,

        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "LicenseConfigurationArn",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LicenseConfigurationArn",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "LicenseConfigurationArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@param licenseConfigurationArn
ARN for a license configuration.*/",
    "setterMethodName" : "setLicenseConfigurationArn",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    }

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    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : true,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>ARN for a license configuration.</p>\n@param
licenseConfigurationArn ARN for a license configuration.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "String",
        "variableName" : "licenseConfigurationArn",
        "variableType" : "String",
        "documentation" : "<p>ARN for a license configuration.</p>",

    "simpleType" : "String",
    "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"LicenseConfigurationStatus" : {
    "c2jName" : "LicenseConfigurationStatus",
    "c2jShape" : "LicenseConfigurationStatus",
    "deprecated" : false,
    "documentation" : "<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>",
    "enumType" : "LicenseConfigurationStatus",
    "fluentSetterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@param licenseConfigurationStatus New status of the license configuration
(<code>ACTIVE</code> or <code>INACTIVE</code>).\n@return Returns a reference to this object so that
method calls can be chained together.\n@see LicenseConfigurationStatus*/",
    "fluentSetterMethodName" : "withLicenseConfigurationStatus",
    "getterDocumentation" : "/*<p>New status
of the license configuration (<code>ACTIVE</code> or <code>INACTIVE</code>).</p>\n@return New status of
the license configuration (<code>ACTIVE</code> or <code>INACTIVE</code>).\n@see
LicenseConfigurationStatus*/",
    "getterMethodName" : "getLicenseConfigurationStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,

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    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseConfigurationStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseConfigurationStatus",
    "uri" : false
  },

  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "LicenseConfigurationStatus",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@param licenseConfigurationStatus New status of the license configuration
(<code>ACTIVE</code> or <code>INACTIVE</code>).\n@see LicenseConfigurationStatus*/",
  "setterMethodName" : "setLicenseConfigurationStatus",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationStatus",
    "variableType" : "String",
    "documentation" : "",
    "simpleType"
  : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>\n@param licenseConfigurationStatus New status of the license configuration
(<code>ACTIVE</code> or <code>INACTIVE</code>).\n@return Returns a reference to this object so that
method calls can be chained together.\n@see LicenseConfigurationStatus*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "licenseConfigurationStatus",
    "variableType" : "String",
    "documentation" : "<p>New status of the license configuration (<code>ACTIVE</code> or
<code>INACTIVE</code>).</p>",

```

```

    "simpleType" : "String",
    "variableSetterType" : "String"
},
    "xmlNamespaceUri" : null
},
"LicenseCount" : {
    "c2jName" : "LicenseCount",
    "c2jShape" : "BoxLong",
    "deprecated" : false,
    "documentation" : "<p>New number of licenses managed by the license configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>New number of licenses managed by the license
configuration.</p>\n@param licenseCount New number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseCount",
    "getterDocumentation" : "/*<p>New number of licenses managed by the license configuration.</p>\n@return
New number of licenses managed by the license configuration.*/",
    "getterMethodName" : "getLicenseCount",
    "getterModel" : {
        "returnType" : "Long",
        "documentation" : null
    },
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCount",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Long",

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"marshallingType" : "LONG",
"name" : "LicenseCount",
"sensitive" : false,
"setterDocumentation" : "/*<p>New number of licenses managed by
the license configuration.</p>\n@param licenseCount New number of licenses managed by the license
configuration.*/",
"setterMethodName" : "setLicenseCount",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>New number of licenses managed by the license
configuration.</p>\n@param licenseCount New number of licenses managed by the license configuration.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Long",
    "variableName" : "licenseCount",
    "variableType" : "Long",
    "documentation" : "<p>New number of licenses managed by the license configuration.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
},
"LicenseCountHardLimit" : {
    "c2jName" : "LicenseCountHardLimit",
    "c2jShape" : "BoxBoolean",
    "deprecated" : false,
    "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLicenseCountHardLimit",
    "getterDocumentation" : "/*<p>Sets the number
of available licenses as a hard limit.</p>\n@return Sets the number of available licenses as a hard limit.*/",
    "getterMethodName" : "getLicenseCountHardLimit",
    "getterModel" : {
        "returnType" : "Boolean",

```

```

    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LicenseCountHardLimit",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LicenseCountHardLimit",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,

  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "Boolean",
  "marshallingType" : "BOOLEAN",
  "name" : "LicenseCountHardLimit",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Sets the number of available licenses as a hard limit.</p>\n@param
licenseCountHardLimit Sets the number of available licenses as a hard limit.*/",
  "setterMethodName" : "setLicenseCountHardLimit",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "licenseCountHardLimit",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Sets
the number of available licenses as a hard limit.</p>\n@param licenseCountHardLimit Sets the number of available
licenses as a hard limit.\n@return Returns a reference to this object so that method calls can be chained together.*/",

```



```

"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "licenseCountHardLimit",
  "variableType" : "Boolean",
  "documentation" : "<p>Sets the number of available licenses as a hard limit.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNamespaceUri" : null
},
"LicenseRules" : {
  "c2jName" : "LicenseRules",
  "c2jShape" : "StringList",
  "deprecated" : false,
  "documentation" : "<p>List of flexible text strings designating license rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>List of flexible
text strings designating license rules.</p>\n@param licenseRules List of flexible text strings designating license
rules.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseRules",
  "getterDocumentation" : "/*<p>List of flexible text strings designating license rules.</p>\n@return List of
flexible text strings designating license rules.*/",
  "getterMethodName" : "getLicenseRules",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName"
: "LicenseRules",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LicenseRules",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,

```

```

"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel"
: {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass"
: "String",
  "marshallingType" : "STRING",
  "name" : "Member",
  "sensitive" : false,

```

```

"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "LicenseRules",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>List of flexible text strings designating license rules.</p>\n@param
licenseRules List of flexible text strings designating license rules.*/",
"setterMethodName" : "setLicenseRules",

```

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseRules",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>List of flexible text strings designating license
rules.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setLicenseRules(java.util.Collection)} or { @link #withLicenseRules(java.util.Collection)}
if you want to override the existing values.</p>\n@param licenseRules List of flexible text strings designating
license rules.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "licenseRules",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>List of flexible text strings designating license rules.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNamespaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>New name of the license configuration.</p>",
  "enumType" : null,
  "fluentSetterDocumentation"
: "/*<p>New name of the license configuration.</p>\n@param name New name of the license
configuration.\n@return Returns a reference to this object so that method calls can be chained together.*"/,
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/*<p>New name of the license configuration.</p>\n@return New name of the
license configuration.*"/,
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,

```

```

    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode"
: false,
    "unmarshallLocationName" : "Name",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "Name",
"sensitive" : false,
"setterDocumentation" : "/*<p>New name of the license configuration.</p>\n@param name New name of
the license configuration.*/",
"setterMethodName" : "setName",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>New name of the license configuration.</p>\n@param name New
name of the license configuration.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",

```

```

    "documentation" : "<p>New name of the license configuration.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "LicenseConfigurationArn" ],
"shapeName" : "UpdateLicenseConfigurationRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable"
: {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateLicenseConfigurationRequest",
  "variableName" : "updateLicenseConfigurationRequest",
  "variableType" : "UpdateLicenseConfigurationRequest",
  "documentation" : null,
  "simpleType" : "UpdateLicenseConfigurationRequest",
  "variableSetterType" : "UpdateLicenseConfigurationRequest"
},
"wrapper" : false
},
"UpdateLicenseConfigurationResult" : {
  "c2jName" : "UpdateLicenseConfigurationResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller"
: null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,

```

```

"required" : null,
"shapeName" : "UpdateLicenseConfigurationResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateLicenseConfigurationResult",
  "variableName" : "updateLicenseConfigurationResult",
  "variableType" : "UpdateLicenseConfigurationResult",
  "documentation" : null,
  "simpleType" : "UpdateLicenseConfigurationResult",
  "variableSetterType" : "UpdateLicenseConfigurationResult"
},
"wrapper" : false
},
"UpdateLicenseSpecificationsForResourceRequest" : {
  "c2jName" : "UpdateLicenseSpecificationsForResourceRequest",
  "customization" : {
    "artificialResultWrapper"
  }
}
: null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "UpdateLicenseSpecificationsForResource",
  "locationName" : null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.UpdateLicenseSpecificationsForResource",
  "verb" : "POST",
  "xmlNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,

```

```

"documentation" : "<p>ARN for an AWS server resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@param resourceArn ARN
for an AWS server resource.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withResourceArn",
"getterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@return ARN for an AWS server
resource.*/",
"getterMethodName" : "getResourceArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ResourceArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceArn",
  "uri" : false
},
"idempotencyToken"
: false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "ResourceArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@param resourceArn ARN for an
AWS server resource.*/",
"setterMethodName" : "setResourceArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",

```



```

    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@param
resourceArn ARN for an AWS server resource.\n@return Returns a reference to this object so that method calls can
be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "<p>ARN for an AWS server resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "AddLicenseSpecifications",
  "c2jShape" : "LicenseSpecifications",
  "deprecated" : false,
  "documentation" : "<p>License configuration ARNs to be added to a resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>License configuration ARNs to be added to a resource.</p>\n@param
addLicenseSpecifications License configuration ARNs to be added to a resource.\n@return Returns a reference to
this
object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAddLicenseSpecifications",
  "getterDocumentation" : "/*<p>License configuration ARNs to be added to a resource.</p>\n@return License
configuration ARNs to be added to a resource.*/",
  "getterMethodName" : "getAddLicenseSpecifications",
  "getterModel" : {
    "returnType" : "java.util.List<LicenseSpecification>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,

```

```

"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AddLicenseSpecifications",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AddLicenseSpecifications",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LicenseSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LicenseSpecification",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath"
: null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,

```

```

"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName"
: "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "member",
  "variableType" : "LicenseSpecification",
  "documentation" : "",
  "simpleType" : "LicenseSpecification",
  "variableSetterType" : "LicenseSpecification"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "member",
  "variableType" : "LicenseSpecification",
  "documentation" : "",
  "simpleType" : "LicenseSpecification",
  "variableSetterType" : "LicenseSpecification"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseSpecification",
"templateImplType" : "java.util.ArrayList<LicenseSpecification>",
"templateType" : "java.util.List<LicenseSpecification>"

```

```

    },
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "List",
    "marshallingType" : "LIST",
    "name" : "AddLicenseSpecifications",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>License configuration ARNs to be added to a resource.</p>\n@param
addLicenseSpecifications License configuration ARNs to be added to a resource.*/",
    "setterMethodName" : "setAddLicenseSpecifications",
    "setterModel" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<LicenseSpecification>",
        "variableName" : "addLicenseSpecifications",
        "variableType" : "java.util.List<LicenseSpecification>",
        "documentation" : "",
        "simpleType" : "List<LicenseSpecification>",
        "variableSetterType" : "java.util.Collection<LicenseSpecification>"
    },
    "shouldEmitLegacyEnumSetter" : false,
    "simple" : false,
    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>License configuration ARNs to be added to a
resource.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setAddLicenseSpecifications(java.util.Collection)} or { @link
#withAddLicenseSpecifications(java.util.Collection)}
if you want to override the existing values.</p>\n@param addLicenseSpecifications License configuration ARNs to
be added to a resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "java.util.List<LicenseSpecification>",
        "variableName" : "addLicenseSpecifications",
        "variableType" : "java.util.List<LicenseSpecification>",
        "documentation" : "<p>License configuration ARNs to be added to a resource.</p>",
        "simpleType" : "List<LicenseSpecification>",
        "variableSetterType" : "java.util.Collection<LicenseSpecification>"
    },
    "xmlNamespaceUri" : null
}, {
    "c2jName" : "RemoveLicenseSpecifications",
    "c2jShape" : "LicenseSpecifications",
    "deprecated" : false,
    "documentation" : "<p>License configuration ARNs to be removed from a resource.</p>",
    "enumType"
: null,
    "fluentSetterDocumentation" : "/*<p>License configuration ARNs to be removed from a
resource.</p>\n@param removeLicenseSpecifications License configuration ARNs to be removed from a
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",

```

```

    "fluentSetterMethodName" : "withRemoveLicenseSpecifications",
    "getterDocumentation" : "/*<p>License configuration ARNs to be removed from a resource.</p>\n@return
License configuration ARNs to be removed from a resource.*/",
    "getterMethodName" : "getRemoveLicenseSpecifications",
    "getterModel" : {
        "returnType" : "java.util.List<LicenseSpecification>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming"
: false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "RemoveLicenseSpecifications",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "RemoveLicenseSpecifications",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "LicenseSpecification",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation"
: "/*\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "LicenseSpecification",
                "documentation" : null
            },
        },
    },

```

```

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,

"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "member",
  "variableType" : "LicenseSpecification",
  "documentation" : "",
  "simpleType" : "LicenseSpecification",
  "variableSetterType" : "LicenseSpecification"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "member",

```

```

    "variableType" : "LicenseSpecification",
    "documentation" : "",
    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseSpecification",
"templateImplType" : "java.util.ArrayList<LicenseSpecification>",
"templateType" : "java.util.List<LicenseSpecification>"
},
"map" : false,
"mapModel"
: null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "RemoveLicenseSpecifications",
"sensitive" : false,
"setterDocumentation" : "/*<p>License configuration ARNs to be removed from a resource.</p>\n@param
removeLicenseSpecifications License configuration ARNs to be removed from a resource.*/",
"setterMethodName" : "setRemoveLicenseSpecifications",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<LicenseSpecification>",
  "variableName" : "removeLicenseSpecifications",
  "variableType" : "java.util.List<LicenseSpecification>",
  "documentation" : "",
  "simpleType" : "List<LicenseSpecification>",
  "variableSetterType" : "java.util.Collection<LicenseSpecification>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation"
: "/*<p>License configuration ARNs to be removed from a resource.</p>\n<p><b>NOTE:</b> This method
appends the values to the existing list (if any). Use { @link #setRemoveLicenseSpecifications(java.util.Collection)}
or { @link #withRemoveLicenseSpecifications(java.util.Collection)} if you want to override the existing
values.</p>\n@param removeLicenseSpecifications License configuration ARNs to be removed from a
resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

```

```

    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseSpecification>",
    "variableName" : "removeLicenseSpecifications",
    "variableType" : "java.util.List<LicenseSpecification>",
    "documentation" : "<p>License configuration ARNs to be removed from a resource.</p>",
    "simpleType" : "List<LicenseSpecification>",
    "variableSetterType" : "java.util.Collection<LicenseSpecification>"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "AddLicenseSpecifications" : {
    "c2jName" : "AddLicenseSpecifications",
    "c2jShape" : "LicenseSpecifications",
    "deprecated" : false,
    "documentation" : "<p>License configuration ARNs to be added to a resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>License configuration ARNs to be added to a resource.</p>\n@param
addLicenseSpecifications License configuration ARNs to be added to a resource.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAddLicenseSpecifications",
    "getterDocumentation" : "/*<p>License configuration ARNs to be added to a resource.</p>\n@return
License configuration ARNs to be added to a resource.*/",
    "getterMethodName" : "getAddLicenseSpecifications",
    "getterModel"
  } : {
    "returnType" : "java.util.List<LicenseSpecification>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AddLicenseSpecifications",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AddLicenseSpecifications",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,

```



```

"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LicenseSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LicenseSpecification",
      "documentation" : null
    },
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",

```

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "member",

"variableType" : "LicenseSpecification",
  "documentation" : "",
  "simpleType" : "LicenseSpecification",
  "variableSetterType" : "LicenseSpecification"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "LicenseSpecification",
  "variableName" : "member",
  "variableType" : "LicenseSpecification",
  "documentation" : "",
  "simpleType" : "LicenseSpecification",
  "variableSetterType" : "LicenseSpecification"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LicenseSpecification",
"templateImplType" : "java.util.ArrayList<LicenseSpecification>",
"templateType" : "java.util.List<LicenseSpecification>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "AddLicenseSpecifications",
"sensitive" : false,
"setterDocumentation" : "/**\n<p>License configuration ARNs to be added to a resource.</p>\n@param
addLicenseSpecifications License configuration ARNs to be added to a resource.*/",
"setterMethodName" : "setAddLicenseSpecifications",

```

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "java.util.List<LicenseSpecification>",
  "variableName" : "addLicenseSpecifications",
  "variableType" : "java.util.List<LicenseSpecification>",
  "documentation" : "",
  "simpleType" : "List<LicenseSpecification>",
  "variableSetterType" : "java.util.Collection<LicenseSpecification>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>License configuration ARNs to be added to a
resource.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setAddLicenseSpecifications(java.util.Collection)} or { @link
#withAddLicenseSpecifications(java.util.Collection)} if you want to override the existing values.</p>\n@param
addLicenseSpecifications License configuration ARNs to be added
to a resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseSpecification>",
    "variableName" : "addLicenseSpecifications",
    "variableType" : "java.util.List<LicenseSpecification>",
    "documentation" : "<p>License configuration ARNs to be added to a resource.</p>",
    "simpleType" : "List<LicenseSpecification>",
    "variableSetterType" : "java.util.Collection<LicenseSpecification>"
  },
  "xmlNamespaceUri" : null
},
"RemoveLicenseSpecifications" : {
  "c2jName" : "RemoveLicenseSpecifications",
  "c2jShape" : "LicenseSpecifications",
  "deprecated" : false,
  "documentation" : "<p>License configuration ARNs to be removed from a resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation"
: "/*<p>License configuration ARNs to be removed from a resource.</p>\n@param removeLicenseSpecifications
License configuration ARNs to be removed from a resource.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRemoveLicenseSpecifications",
  "getterDocumentation" : "/*<p>License configuration ARNs to be removed from a resource.</p>\n@return
License configuration ARNs to be removed from a resource.*/",
  "getterMethodName" : "getRemoveLicenseSpecifications",
  "getterModel" : {
    "returnType" : "java.util.List<LicenseSpecification>",
    "documentation" : null
  },
  "http" : {

```

```

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RemoveLicenseSpecifications",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RemoveLicenseSpecifications",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LicenseSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LicenseSpecification",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",

```

```

    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,

  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "Member",
  "sensitive" : false,
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseSpecification",
    "variableName" : "member",
    "variableType" : "LicenseSpecification",
    "documentation" : "",
    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/**\n@param
member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "LicenseSpecification",
    "variableName" : "member",
    "variableType" : "LicenseSpecification",
    "documentation" : "",
    "simpleType" : "LicenseSpecification",
    "variableSetterType" : "LicenseSpecification"
  },
  "xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "LicenseSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,

```

```

    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,
    "simpleType" : "LicenseSpecification",
    "templateImplType"
: "java.util.ArrayList<LicenseSpecification>",
    "templateType" : "java.util.List<LicenseSpecification>"
},
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "List",
"marshallingType" : "LIST",
"name" : "RemoveLicenseSpecifications",
"sensitive" : false,
"setterDocumentation" : "/*<p>License configuration ARNs to be removed from a resource.</p>\n@param
removeLicenseSpecifications License configuration ARNs to be removed from a resource.*/",
"setterMethodName" : "setRemoveLicenseSpecifications",
"setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseSpecification>",
    "variableName" : "removeLicenseSpecifications",
    "variableType" : "java.util.List<LicenseSpecification>",
    "documentation" : "",
    "simpleType" : "List<LicenseSpecification>",

"variableSetterType" : "java.util.Collection<LicenseSpecification>"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>License configuration ARNs to be removed from a
resource.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setRemoveLicenseSpecifications(java.util.Collection)} or { @link
#withRemoveLicenseSpecifications(java.util.Collection)} if you want to override the existing values.</p>\n@param
removeLicenseSpecifications License configuration ARNs to be removed from a resource.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
"variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "java.util.List<LicenseSpecification>",
    "variableName" : "removeLicenseSpecifications",
    "variableType" : "java.util.List<LicenseSpecification>",
    "documentation" : "<p>License configuration ARNs to be removed from a resource.</p>",
    "simpleType" : "List<LicenseSpecification>",
    "variableSetterType" : "java.util.Collection<LicenseSpecification>"
},
"xmlNamespaceUri" : null
},

```

```

"ResourceArn" : {
  "c2jName" : "ResourceArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN for an AWS server resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@param resourceArn ARN
for an AWS server resource.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withResourceArn",
  "getterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@return ARN for an AWS server
resource.*/",
  "getterMethodName" : "getResourceArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ResourceArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name"
: "ResourceArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@param resourceArn ARN for an
AWS server resource.*/",
  "setterMethodName" : "setResourceArn",

```

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "resourceArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN for an AWS server resource.</p>\n@param resourceArn ARN
for an AWS server resource.\n@return Returns a reference to this object so that method calls can be chained
together.*"/,
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType"
: "String",
    "variableName" : "resourceArn",
    "variableType" : "String",
    "documentation" : "<p>ARN for an AWS server resource.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceArn" ],
"shapeName" : "UpdateLicenseSpecificationsForResourceRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateLicenseSpecificationsForResourceRequest",
  "variableName" : "updateLicenseSpecificationsForResourceRequest",
  "variableType" : "UpdateLicenseSpecificationsForResourceRequest",
  "documentation" : null,
  "simpleType" : "UpdateLicenseSpecificationsForResourceRequest",
  "variableSetterType"
: "UpdateLicenseSpecificationsForResourceRequest"
},
"wrapper" : false
},
"UpdateLicenseSpecificationsForResourceResult" : {

```



```

"c2jName" : "UpdateLicenseSpecificationsForResourceResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpdateLicenseSpecificationsForResourceResult",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : {

  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateLicenseSpecificationsForResourceResult",
  "variableName" : "updateLicenseSpecificationsForResourceResult",
  "variableType" : "UpdateLicenseSpecificationsForResourceResult",
  "documentation" : null,
  "simpleType" : "UpdateLicenseSpecificationsForResourceResult",
  "variableSetterType" : "UpdateLicenseSpecificationsForResourceResult"
},
"wrapper" : false
},
"UpdateServiceSettingsRequest" : {
  "c2jName" : "UpdateServiceSettingsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },

```

```

"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember"
: false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "UpdateServiceSettings",
  "locationName" : null,
  "requestUri" : "/",
  "target" : "AWSLicenseManager.UpdateServiceSettings",
  "verb" : "POST",
  "xmlNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "S3BucketArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the Amazon S3 bucket where License Manager information is stored.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information is
stored.</p>\n@param s3BucketArn ARN of the Amazon S3 bucket where License Manager information is
stored.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withS3BucketArn",
  "getterDocumentation"
: "/*<p>ARN of the Amazon S3 bucket where License Manager information is stored.</p>\n@return ARN of the
Amazon S3 bucket where License Manager information is stored.*/",
  "getterMethodName" : "getS3BucketArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "S3BucketArn",
    "queryString" : false,
    "statusCode" : false,

```

```

    "unmarshallLocationName" : "S3BucketArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,

  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "S3BucketArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information is
stored.</p>\n@param s3BucketArn ARN of the Amazon S3 bucket where License Manager information is
stored.*/",
  "setterMethodName" : "setS3BucketArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "s3BucketArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information
is stored.</p>\n@param s3BucketArn ARN of the Amazon S3 bucket where License Manager information is
stored.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "s3BucketArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the Amazon S3 bucket where License Manager information is stored.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "SnsTopicArn",
  "c2jShape" : "String",
  "deprecated" : false,

```

```

"documentation" : "<p>ARN of the Amazon SNS topic used for License Manager alerts.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@param snsTopicArn ARN of the Amazon
SNS topic used for License Manager alerts.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withSnsTopicArn",
"getterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@return ARN of the Amazon SNS topic used for License Manager alerts.*/",
"getterMethodName" : "getSnsTopicArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnsTopicArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName"
: "SnsTopicArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "String",
"marshallingType" : "STRING",
"name" : "SnsTopicArn",
"sensitive" : false,
"setterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@param snsTopicArn ARN of the Amazon SNS topic used for License Manager alerts.*/",
"setterMethodName" : "setSnsTopicArn",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",

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    "variableName" : "snsTopicArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
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  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple"
: true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager alerts.</p>\n@param snsTopicArn ARN of the Amazon SNS topic used for License Manager alerts.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "snsTopicArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the Amazon SNS topic used for License Manager alerts.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}, {
  "c2jName" : "OrganizationConfiguration",
  "c2jShape" : "OrganizationConfiguration",
  "deprecated" : false,
  "documentation" : "<p>Integrates AWS Organizations with License Manager for cross-account discovery.</p>",

  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account discovery.</p>\n@param organizationConfiguration Integrates AWS Organizations with License Manager for cross-account discovery.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOrganizationConfiguration",
  "getterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account discovery.</p>\n@return Integrates AWS Organizations with License Manager for cross-account discovery.*/",
  "getterMethodName" : "getOrganizationConfiguration",
  "getterModel" : {
    "returnType" : "OrganizationConfiguration",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,

```

```

"header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "OrganizationConfiguration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OrganizationConfiguration",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "StructuredPojo",
"marshallingType" : "STRUCTURED",
"name" : "OrganizationConfiguration",
"sensitive" : false,
"setterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>\n@param organizationConfiguration Integrates AWS Organizations with License Manager for
cross-account discovery.*/",

"setterMethodName" : "setOrganizationConfiguration",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "OrganizationConfiguration",
  "variableName" : "organizationConfiguration",
  "variableType" : "OrganizationConfiguration",
  "documentation" : "",
  "simpleType" : "OrganizationConfiguration",
  "variableSetterType" : "OrganizationConfiguration"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : false,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>\n@param organizationConfiguration Integrates AWS Organizations with License Manager for
cross-account discovery.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "OrganizationConfiguration",

```

```

    "variableName" : "organizationConfiguration",
    "variableType" : "OrganizationConfiguration",
    "documentation" : "<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>",
    "simpleType" : "OrganizationConfiguration",
    "variableSetterType" : "OrganizationConfiguration"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "EnableCrossAccountsDiscovery",
  "c2jShape" : "BoxBoolean",
  "deprecated" : false,
  "documentation" : "<p>Activates cross-account discovery.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@param
enableCrossAccountsDiscovery Activates cross-account discovery.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnableCrossAccountsDiscovery",
  "getterDocumentation" : "/*<p>Activates
cross-account discovery.</p>\n@return Activates cross-account discovery.*/",
  "getterMethodName" : "getEnableCrossAccountsDiscovery",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EnableCrossAccountsDiscovery",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EnableCrossAccountsDiscovery",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,

```

```

"mapModel" : null,
  "marshallingTargetClass" : "Boolean",
  "marshallingType" : "BOOLEAN",
  "name" : "EnableCrossAccountsDiscovery",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@param
enableCrossAccountsDiscovery Activates cross-account discovery.*/",
  "setterMethodName" : "setEnabledCrossAccountsDiscovery",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "enableCrossAccountsDiscovery",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@param
enableCrossAccountsDiscovery Activates cross-account discovery.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "Boolean",
    "variableName" : "enableCrossAccountsDiscovery",
    "variableType" : "Boolean",
    "documentation" : "<p>Activates cross-account discovery.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNamespaceUri" : null
} ],
"membersAsMap" : {
  "EnableCrossAccountsDiscovery" : {
    "c2jName" : "EnableCrossAccountsDiscovery",
    "c2jShape" : "BoxBoolean",
    "deprecated" : false,
    "documentation" : "<p>Activates cross-account discovery.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@param
enableCrossAccountsDiscovery Activates cross-account discovery.\n@return Returns a reference to this object so
that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEnableCrossAccountsDiscovery",
    "getterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@return Activates cross-account
discovery.*/"
  }
}

```



```

"getterMethodName" : "getEnableCrossAccountsDiscovery",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EnableCrossAccountsDiscovery",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EnableCrossAccountsDiscovery",

"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingTargetClass" : "Boolean",
"marshallingType" : "BOOLEAN",
"name" : "EnableCrossAccountsDiscovery",
"sensitive" : false,
"setterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@param
enableCrossAccountsDiscovery Activates cross-account discovery.*/",
"setterMethodName" : "setEnableCrossAccountsDiscovery",
"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableCrossAccountsDiscovery",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"shouldEmitLegacyEnumSetter"
: false,
"simple" : true,

```

```

    "unmarshallingType" : null,
    "varargSetterDocumentation" : "/*<p>Activates cross-account discovery.</p>\n@param
enableCrossAccountsDiscovery Activates cross-account discovery.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
    "variable" : {
        "timestampFormat" : null,
        "variableDeclarationType" : "Boolean",
        "variableName" : "enableCrossAccountsDiscovery",
        "variableType" : "Boolean",
        "documentation" : "<p>Activates cross-account discovery.</p>",
        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
    },
    "xmlNamespaceUri" : null
},
"OrganizationConfiguration" : {
    "c2jName" : "OrganizationConfiguration",
    "c2jShape" : "OrganizationConfiguration",
    "deprecated" : false,
    "documentation" : "<p>Integrates AWS Organizations
with License Manager for cross-account discovery.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>\n@param organizationConfiguration Integrates AWS Organizations with License Manager for
cross-account discovery.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withOrganizationConfiguration",
    "getterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>\n@return Integrates AWS Organizations with License Manager for cross-account discovery.*/",
    "getterMethodName" : "getOrganizationConfiguration",
    "getterModel" : {
        "returnType" : "OrganizationConfiguration",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath"
: null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "OrganizationConfiguration",
        "queryString" : false,
        "statusCode" : false,

```

```

    "unmarshallLocationName" : "OrganizationConfiguration",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "StructuredPojo",
  "marshallingType" : "STRUCTURED",
  "name" : "OrganizationConfiguration",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>\n@param organizationConfiguration Integrates AWS Organizations with License Manager for
cross-account discovery.*/",
  "setterMethodName" : "setOrganizationConfiguration",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "OrganizationConfiguration",
    "variableName" : "organizationConfiguration",
    "variableType" : "OrganizationConfiguration",
    "documentation" : "",
    "simpleType" : "OrganizationConfiguration",
    "variableSetterType" : "OrganizationConfiguration"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : false,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>Integrates AWS Organizations with License Manager for cross-
account discovery.</p>\n@param organizationConfiguration Integrates AWS Organizations with License Manager
for cross-account discovery.\n@return Returns a reference
to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "OrganizationConfiguration",
    "variableName" : "organizationConfiguration",
    "variableType" : "OrganizationConfiguration",
    "documentation" : "<p>Integrates AWS Organizations with License Manager for cross-account
discovery.</p>",
    "simpleType" : "OrganizationConfiguration",
    "variableSetterType" : "OrganizationConfiguration"
  },
  "xmlNamespaceUri" : null
},
"S3BucketArn" : {
  "c2jName" : "S3BucketArn",

```

```

    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>ARN of the Amazon S3 bucket where License Manager information is stored.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information is
stored.</p>\n@param
s3BucketArn ARN of the Amazon S3 bucket where License Manager information is stored.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withS3BucketArn",
    "getterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information is
stored.</p>\n@return ARN of the Amazon S3 bucket where License Manager information is stored.*/",
    "getterMethodName" : "getS3BucketArn",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName"
: "S3BucketArn",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "S3BucketArn",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingTargetClass" : "String",
    "marshallingType" : "STRING",
    "name" : "S3BucketArn",
    "sensitive" : false,
    "setterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information is
stored.</p>\n@param s3BucketArn ARN of the Amazon S3 bucket where License Manager information is
stored.*/",
    "setterMethodName" : "setS3BucketArn",

```

```

"setterModel" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "s3BucketArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"shouldEmitLegacyEnumSetter" : false,
"simple" : true,
"unmarshallingType" : null,
"varargSetterDocumentation" : "/*<p>ARN of the Amazon S3 bucket where License Manager information is
stored.</p>\n@param s3BucketArn ARN of the Amazon S3 bucket where License Manager information is
stored.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "String",
  "variableName" : "s3BucketArn",
  "variableType" : "String",
  "documentation" : "<p>ARN of the Amazon S3 bucket where License Manager information is stored.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"SnsTopicArn" : {
  "c2jName" : "SnsTopicArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ARN of the Amazon SNS topic used for License Manager alerts.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@param snsTopicArn ARN of the Amazon SNS topic used for License Manager alerts.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSnsTopicArn",
  "getterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@return ARN of the Amazon SNS topic used for License Manager alerts.*/",
  "getterMethodName" : "getSnsTopicArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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: null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,

```

```

    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SnsTopicArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SnsTopicArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingTargetClass" : "String",
  "marshallingType" : "STRING",
  "name" : "SnsTopicArn",
  "sensitive" : false,
  "setterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@param snsTopicArn
ARN of the Amazon SNS topic used for License Manager alerts.*/",
  "setterMethodName" : "setSnsTopicArn",
  "setterModel" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "snsTopicArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "shouldEmitLegacyEnumSetter" : false,
  "simple" : true,
  "unmarshallingType" : null,
  "varargSetterDocumentation" : "/*<p>ARN of the Amazon SNS topic used for License Manager
alerts.</p>\n@param snsTopicArn ARN of the Amazon SNS topic used for License Manager alerts.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "timestampFormat" : null,
    "variableDeclarationType" : "String",
    "variableName" : "snsTopicArn",
    "variableType" : "String",
    "documentation" : "<p>ARN of the Amazon SNS topic used for License Manager alerts.</p>",

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```

    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpdateServiceSettingsRequest",
"signerAware" : false,
"signerType" : null,
"unmarshaller" : null,
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateServiceSettingsRequest",
  "variableName" : "updateServiceSettingsRequest",
  "variableType" : "UpdateServiceSettingsRequest",
  "documentation" : null,
  "simpleType" : "UpdateServiceSettingsRequest",
  "variableSetterType" : "UpdateServiceSettingsRequest"
},
"wrapper" : false
},
"UpdateServiceSettingsResult" : {
  "c2jName" : "UpdateServiceSettingsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "UpdateServiceSettingsResult",

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```

"signerAware" : false,
"signerType" : null,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "timestampFormat" : null,
  "variableDeclarationType" : "UpdateServiceSettingsResult",
  "variableName" : "updateServiceSettingsResult",
  "variableType" : "UpdateServiceSettingsResult",
  "documentation" : null,
  "simpleType" : "UpdateServiceSettingsResult",
  "variableSetterType" : "UpdateServiceSettingsResult"
},
"wrapper" : false
}
},
"clientConfigFactory" : "ClientConfigurationFactory",
"examples" : {
  "examples" : { },
  "version" : "1.0"
},
"exceptionUnmarshallerImpl" : null,
"fileHeader" : "/*\n * Copyright 2014-2019 Amazon.com, Inc. or its affiliates. All Rights\n * Reserved.\n *\n * Licensed under the Apache License, Version 2.0 (the \"License\").\n * You may not use this file except in\n * compliance with the License.\n * A copy of the License is located at\n *\n * http://aws.amazon.com/apache2.0\n *\n * or in the \"license\" file accompanying this file. This file is distributed\n * on an \"AS IS\" BASIS, WITHOUT\n * WARRANTIES OR CONDITIONS OF ANY KIND, either\n * express or implied. See the License for\n * the specific language governing\n * permissions and limitations under the License.\n */",
"hasWaiters" : false,
"sdkBaseResponseFqcn" : "com.amazonaws.AmazonWebServiceResult<com.amazonaws.ResponseMetadata>",
"sdkModeledExceptionBaseClassName" : "AWSLicenseManagerException",
"sdkModeledExceptionBaseFqcn" :
"com.amazonaws.services.licensemanager.model.AWSLicenseManagerException",
"serviceBaseExceptionFqcn" : "com.amazonaws.AmazonServiceException",
"transformPackage" : "com.amazonaws.services.licensemanager.model.transform"
}
}
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```

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## 1.217 mariadb-java-client 2.4.0

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## 1.218 snmp-4j 2.6.2

# 1.219 shiro 1.2.6

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 */
package org.apache.shiro.authz.permission;

/**
 * Interface implemented by a component that wishes to use any application-configured
 * <tt>RolePermissionResolver</tt> that
 * might already exist
 * instead of potentially creating one itself.
 *
 * <p>This is mostly implemented by { @link org.apache.shiro.authz.Authorizer Authorizer } and
 * { @link org.apache.shiro.realm.Realm Realm } implementations since they
 * are the ones performing permission checks and need to know how to resolve Strings into
 * { @link org.apache.shiro.authz.Permission Permission } instances.
 *
 * @since 1.0
 */
public interface RolePermissionResolverAware {

    /**
     * Sets the specified <tt>RolePermissionResolver</tt> on this instance.
     *
     * @param rpr the <tt>RolePermissionResolver</tt> being set.
     */
    public void setRolePermissionResolver(RolePermissionResolver rpr);
}
```

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 */
```

```
package org.apache.shiro.authz.permission;
```

```
/**
 * Interface implemented by a component that wishes to use any application-configured PermissionResolver
 * that
 * might already exist instead
 * of potentially creating one itself.
 *
 * 

This is mostly implemented by org.apache.shiro.authz.Authorizer and
 * org.apache.shiro.realm.Realm implementations since they
 * are the ones performing permission checks and need to know how to resolve Strings into
 * org.apache.shiro.authz.Permission instances.


 *
 * @since 0.9
 */
```

```
public interface PermissionResolverAware {
```

```
    /**
     * Sets the specified PermissionResolver on this instance.
     *
     * @param pr the PermissionResolver being set.
     */
```

```
    public void setPermissionResolver(PermissionResolver pr);
}
```

```
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* KIND, either express or implied. See the License for the
* specific language governing permissions and limitations
* under the License.
*/
package org.apache.shiro.authz.permission;

import org.apache.shiro.ShiroException;

/**
 * Thrown by {@link PermissionResolver#resolvePermission(String)} when the String being parsed is not
 * valid for that resolver.
 *
 * @since 0.9
 */
public class InvalidPermissionStringException extends ShiroException
{
    private String permissionString;

    /**
     * Constructs a new exception with the given message and permission string.
     *
     * @param message the exception message.
     * @param permissionString the invalid permission string.
     */
    public InvalidPermissionStringException(String message, String permissionString) {
        super(message);
        this.permissionString = permissionString;
    }

    /**
     * Returns the permission string that was invalid and caused this exception to
     * be thrown.
     *
     * @return the permission string.
     */
    public String getPermissionString() {
        return this.permissionString;
    }
}

```

```

}
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 * specific language governing permissions and limitations
 * under the License.
 */
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

import java.util.Collection;

/**
 * A RolePermissionResolver resolves a String value and converts it into
 * a Collection of
 * { @link org.apache.shiro.authz.Permission } instances.
 * <p/>
 * In some cases a { @link org.apache.shiro.realm.Realm } may only be able to return a list of roles. This
 * component allows an application to resolve the roles into permissions.
 *
 */
public interface RolePermissionResolver {

    /**
     * Resolves a Collection of Permissions based on the given String representation.
     *
     * @param roleString the String representation of a role name to resolve.
     * @return a Collection of Permissions based on the given String representation.
     */
    Collection<Permission> resolvePermissionsInRole(String roleString);
}

```

```

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 */
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;
import org.apache.shiro.util.CollectionUtils;
import org.apache.shiro.util.StringUtils;

import java.io.Serializable;
import
    java.util.ArrayList;
import java.util.LinkedHashSet;
import java.util.List;
import java.util.Set;

/**
 * A WildcardPermission is a very flexible permission construct supporting multiple levels of
 * permission matching. However, most people will probably follow some standard conventions as explained below.
 * <p/>
 * <h3>Simple Usage</h3>
 * <p/>
 * In the simplest form, WildcardPermission can be used as a simple permission string. You could
 * grant a
 * user an "editNewsletter" permission and then check to see if the user has the editNewsletter
 * permission by calling
 * <p/>
 * subject.isPermitted("editNewsletter");
 * <p/>
 * This is (mostly) equivalent to
 * <p/>
 * subject.isPermitted( new WildcardPermission("editNewsletter") );
 * <p/>

```



\* but more on that later.

\* `<p/>`

\* The simple permission string may work for simple applications, but it requires you to have permissions like

\* `<code>&quot;viewNewsletter&quot;</code>`, `<code>&quot;deleteNewsletter&quot;</code>`,

\* `<code>&quot;createNewsletter&quot;</code>`, etc. You can also grant a user `<code>&quot;*&quot;</code>` permissions

\* using the wildcard character (giving this class its name), which means they have `<em>all</em>` permissions. But

\* using this approach there's no way to just say a user has `&quot;all newsletter permissions&quot;`.

\* `<p/>`

\* For this reason, `<code>WildcardPermission</code>` supports multiple `<em>levels</em>` of permissioning.

\* `<p/>`

\* `<h3>Multiple Levels</h3>`

\* `<p/>`

\* `<code>WildcardPermission</code>` also supports the concept of multiple `<em>levels</em>`. For example, you could

\* restructure the previous simple example by granting a user the permission `<code>&quot;newsletter:edit&quot;</code>`.

\* The colon in this example is a special character used by the `<code>WildcardPermission</code>` that delimits the

\* next token in the permission.

\* `<p/>`

\* In this example, the first token is the `<em>domain</em>` that is being operated on

\* and the second token is the `<em>action</em>` being performed. Each level can contain multiple values. So you

\* could simply grant a user the permission `<code>&quot;newsletter:view,edit,create&quot;</code>` which gives them

\* access to perform `<code>view</code>`, `<code>edit</code>`, and `<code>create</code>` actions in the `<code>newsletter</code>`

\* `<em>domain</em>`. Then you could check to see if the user has the `<code>&quot;newsletter:create&quot;</code>`

\* permission by calling

\* `<p/>`

\* `<code>subject.isPermitted(&quot;newsletter:create&quot;)</code>`

\* `<p/>`

\* (which would return true).

\* `<p/>`

\* In addition to granting multiple permissions via a single string, you can grant all permission for a particular

\* level. So if you wanted to grant a user all actions in the `<code>newsletter</code>` domain, you could simply give

\* them `<code>&quot;newsletter:*&quot;</code>`. Now, any permission check for `<code>&quot;newsletter:XXX&quot;</code>`

\* will

return `<code>true</code>`. It is also possible to use the wildcard token at the domain level (or both): so you

\* could grant a user the `<code>&quot;view&quot;</code>` action across all domains

`<code>&quot;*:view&quot;</code>`.

\* `<p/>`

\* `<h3>Instance-level Access Control</h3>`

\* `<p/>`

\* Another common usage of the `<code>WildcardPermission</code>` is to model instance-level Access Control Lists.

\* In this scenario you use three tokens - the first is the `<em>domain</em>`, the second is the `<em>action</em>`, and the third is the `<em>instance</em>` you are acting on.

\* `<p/>`

\* So for example you could grant a user `<code>&quot;newsletter:edit:12,13,18&quot;</code>`. In this example, assume

\* that the third token is the system's ID of the newsletter. That would allow the user to edit newsletters

\* `<code>12</code>`, `<code>13</code>`, and `<code>18</code>`. This is an extremely powerful way to express permissions,

\* since you can now say things like `<code>&quot;newsletter:*.13&quot;</code>` (grant a user all actions for newsletter

\* `<code>13</code>`), `<code>&quot;newsletter:view,create,edit:*.13&quot;</code>` (allow the user to

\* `<code>view</code>`, `<code>create</code>`, or `<code>edit</code>` `<em>any</em>` newsletter), or

\* `<code>&quot;newsletter:*.13</code>` (allow the user to perform `<em>any</em>` action on `<em>any</em>` newsletter).

\* `<p/>`

\* To perform checks against these instance-level permissions, the application should include the instance ID in the permission check like so:

\* `<p/>`

\* `<code>subject.isPermitted( &quot;newsletter:edit:13&quot; )</code>`

\* `<p/>`

\* There is no limit to the number of tokens that can be used, so it is up to your imagination in terms of ways that this could be used in your application. However, the Shiro team likes to standardize some common usages shown above to help people get started and provide consistency in the Shiro community.

\*

\* @since 0.9

\*/

```
public class WildcardPermission implements Permission, Serializable {
```

```
    //TODO - JavaDoc
```

```
    methods
```

```
    /*-----
```

```
    |   C O N S T A N T S   |
```

```
    =====*/
```

```
    protected static final String WILDCARD_TOKEN = "*";
```

```
    protected static final String PART_DIVIDER_TOKEN = ":";
```

```
    protected static final String SUBPART_DIVIDER_TOKEN = ",";
```

```
    protected static final boolean DEFAULT_CASE_SENSITIVE = false;
```

```
    /*-----
```

```
    | I N S T A N C E   V A R I A B L E S   |
```

```
    =====*/
```

```
    private List<Set<String>> parts;
```

```
    /*-----
```

```
    |   C O N S T R U C T O R S   |
```

```
    =====*/
```

```
    /**
```

\* Default no-arg constructor for subclasses only - end-user developers instantiating Permission instances must  
\* provide a wildcard string at a minimum, since Permission instances are immutable once instantiated.  
\* <p/>

\* Note that the WildcardPermission class is very robust and typically subclasses are not necessary unless you  
\* wish to create type-safe Permission objects that would be used in your application, such as perhaps a  
\* {@code UserPermission}, {@code SystemPermission}, {@code PrinterPermission}, etc. If you want such  
type-safe

\* permission usage, consider subclassing the {@link DomainPermission DomainPermission} class for your  
needs.

```
*/  
protected WildcardPermission() {  
}  
  
public WildcardPermission(String wildcardString) {  
    this(wildcardString, DEFAULT_CASE_SENSITIVE);  
}  
  
public WildcardPermission(String wildcardString, boolean caseSensitive) {  
    setParts(wildcardString, caseSensitive);  
}  
  
protected void setParts(String wildcardString) {  
    setParts(wildcardString, DEFAULT_CASE_SENSITIVE);  
}  
  
protected void setParts(String wildcardString, boolean caseSensitive) {  
    wildcardString = StringUtils.clean(wildcardString);  
  
    if (wildcardString == null || wildcardString.isEmpty()) {  
        throw new IllegalArgumentException("Wildcard string cannot be null or empty. Make sure permission  
strings are properly formatted.");  
    }  
  
    List<String> parts = CollectionUtils.asList(wildcardString.split(PART_DIVIDER_TOKEN));  
  
    this.parts = new ArrayList<Set<String>>();  
    for (String part : parts) {  
        Set<String> subparts = CollectionUtils.asSet(part.split(SUBPART_DIVIDER_TOKEN));  
        if (!caseSensitive) {  
            subparts = lowercase(subparts);  
        }  
        if (subparts.isEmpty()) {  
            throw new IllegalArgumentException("Wildcard string cannot contain parts with only dividers. Make sure  
permission strings are properly formatted.");  
        }  
        this.parts.add(subparts);  
    }  
}
```

```

        if (this.parts.isEmpty()) {
            throw new IllegalArgumentException("Wildcard string cannot contain only dividers.
Make sure permission strings are properly formatted.");
        }
    }

private Set<String> lowercase(Set<String> subparts) {
    Set<String> lowerCasedSubparts = new LinkedHashSet<String>(subparts.size());
    for (String subpart : subparts) {
        lowerCasedSubparts.add(subpart.toLowerCase());
    }
    return lowerCasedSubparts;
}

/*-----
| ACCESSORS / MODIFIERS |
=====*/
protected List<Set<String>> getParts() {
    return this.parts;
}

/*-----
|     METHODS     |
=====*/

public boolean implies(Permission p) {
    // By default only supports comparisons with other WildcardPermissions
    if (!(p instanceof WildcardPermission)) {
        return false;
    }

    WildcardPermission wp = (WildcardPermission)
P:

    List<Set<String>> otherParts = wp.getParts();

    int i = 0;
    for (Set<String> otherPart : otherParts) {
        // If this permission has less parts than the other permission, everything after the number of parts contained
        // in this permission is automatically implied, so return true
        if (getParts().size() - 1 < i) {
            return true;
        } else {
            Set<String> part = getParts().get(i);
            if (!part.contains(WILDCARD_TOKEN) && !part.containsAll(otherPart)) {
                return false;
            }
        }
    }
}

```

```

        i++;
    }
}

// If this permission has more parts than the other parts, only imply it if all of the other parts are wildcards
for (; i < getParts().size(); i++) {
    Set<String> part = getParts().get(i);
    if (!part.contains(WILDCARD_TOKEN)) {
        return false;
    }
}

return true;
}

public String toString() {
    StringBuilder buffer = new StringBuilder();
    for (Set<String> part : parts) {
        if (buffer.length() > 0) {
            buffer.append(":");
        }
        buffer.append(part);
    }
    return buffer.toString();
}

public boolean equals(Object o) {
    if (o instanceof WildcardPermission) {
        WildcardPermission wp = (WildcardPermission) o;
        return parts.equals(wp.parts);
    }
    return false;
}

public int hashCode() {
    return parts.hashCode();
}

}
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*/
package org.apache.shiro.authz;

/**
* A Permission represents the ability to perform an action or access a resource. A Permission is the most
* granular, or atomic, unit in a system's security
* policy and is the cornerstone upon which fine-grained security
* models are built.
* <p/>
* It is important to understand a Permission instance only represents functionality or access - it does not grant it.
* Granting access to an application functionality or a particular resource is done by the application's security
* configuration, typically by assigning Permissions to users, roles and/or groups.
* <p/>
* Most typical systems are what the Shiro team calls <em>role-based</em> in nature, where a role represents
* common behavior for certain user types. For example, a system might have an <em>Administrator</em> role, a
* <em>User</em> or <em>Guest</em> roles, etc.
* <p/>
* But if you have a dynamic security model, where roles can be created and deleted at runtime, you can't hard-code
* role names in your code. In this environment, roles themselves aren't very useful. What matters is what
* <em>permissions</em> are assigned to these roles.
* <p/>
* Under this
* paradigm, permissions are immutable and reflect an application's raw functionality
* (opening files, accessing a web URL, creating users, etc). This is what allows a system's security policy
* to be dynamic: because Permissions represent raw functionality and only change when the application's
* source code changes, they are immutable at runtime - they represent 'what' the system can do. Roles, users, and
* groups are the 'who' of the application. Determining 'who' can do 'what' then becomes a simple exercise of
* associating Permissions to roles, users, and groups in some way.
* <p/>
* Most applications do this by associating a named role with permissions (i.e. a role 'has a' collection of
* Permissions) and then associate users with roles (i.e. a user 'has a' collection of roles) so that by transitive
* association, the user 'has' the permissions in their roles. There are numerous variations on this theme
* (permissions assigned directly to users, or assigned to groups,
* and users added to groups and these groups in turn
* have roles, etc, etc). When employing a permission-based security model instead of a role-based one, users, roles,
* and groups can all be created, configured and/or deleted at runtime. This enables an extremely powerful security
* model.
* <p/>
* A benefit to Shiro is that, although it assumes most systems are based on these types of static role or

```

\* dynamic role w/ permission schemes, it does not require a system to model their security data this way - all

\* Permission checks are relegated to { @link org.apache.shiro.realm.Realm } implementations, and only those

\* implementations really determine how a user 'has' a permission or not. The Realm could use the semantics described

\* here, or it could utilize some other mechanism entirely - it is always up to the application developer.

\* <p/>

\* Shiro provides a very powerful default implementation of this interface in the form of the

\* { @link org.apache.shiro.authz.permission.WildcardPermission WildcardPermission }. We highly recommend that you

\* investigate this class before trying to implement your own <code>Permission</code>s.

\*

\* @see org.apache.shiro.authz.permission.WildcardPermission WildcardPermission

\* @since 0.2

\*/

```
public interface Permission {

    /**
     * Returns { @code true } if this current instance <em>implies</em> all the functionality and/or resource access
     * described by the specified { @code Permission } argument, { @code false } otherwise.
     * <p/>
     * <p>That is, this current instance must be exactly equal to or a <em>superset</em> of the functionality
     * and/or resource access described by the given { @code Permission } argument. Yet another way of saying this
     * would be:
     * <p/>
     * <p>If "permission1 implies permission2", i.e. <code>permission1.implies(permission2)</code> ,
     * then any Subject granted { @code permission1 } would have ability greater than or equal to that defined by
     * { @code permission2 }.
     *
     * @param p the permission to check for behavior/functionality comparison.
     * @return { @code true } if this current instance <em>implies</em> all the functionality and/or resource access
     *         described by the specified { @code Permission } argument, { @code false } otherwise.
     */
    boolean implies(Permission p);
}

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```

```

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*/
package org.apache.shiro.authz.permission;

import java.io.Serializable;

import org.apache.shiro.authz.Permission;

/**
 * An all AllPermission instance is one that always implies
 * any other permission; that is, its
 * { @link #implies implies } method always returns <tt>>true</tt>.
 *
 * 

You should be very careful about the users, roles, and/or groups to which this permission is assigned since
 * those respective entities will have the ability to do anything. As such, an instance of this class
 * is typically only assigned only to "root" or "administrator" users or roles.


 *
 * @since 0.1
 */
public class AllPermission implements Permission, Serializable {

    /**
     * Always returns <tt>>true</tt>, indicating any Subject granted this permission can do anything.
     *
     * @param p the Permission to check for implies logic.
     * @return <tt>>true</tt> always, indicating any Subject grated this permission can do anything.
     */
    public boolean implies(Permission p) {
        return true;
    }
}

/**
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*/
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

/**
 * A {@code PermissionResolver} resolves a String value and converts it into a
 * {@link org.apache.shiro.authz.Permission} instance.
 *
 * <p/>
 * The default {@link WildcardPermissionResolver} should be
 * suitable for most purposes, which constructs {@link WildcardPermission} objects.
 * However, any resolver may be configured if an application wishes to use different
 * {@link org.apache.shiro.authz.Permission} implementations.
 *
 * <p/>
 * A {@code PermissionResolver} is used by many Shiro components such as annotations, property file
 * configuration, URL configuration, etc. It is useful whenever a String representation of a permission is specified
 * and that String needs to be converted to a Permission instance before executing a security check.
 *
 * <p/>
 * Shiro chooses to support {@link WildcardPermission Wildcardpermission}s by default in almost all components
 * and
 * we do that in the form of the {@link WildcardPermissionResolver WildcardPermissionResolver}. One of the
 * nice
 * things about {@code WildcardPermission}s being supported by default is that it makes it very
 * easy to
 * store complex permissions in the database - and also makes it very easy to represent permissions in JSP files,
 * annotations, etc., where a simple string representation is useful.
 *
 * <p/>
 * Although this happens to be the Shiro default, you are of course free to provide custom
 * String-to-Permission conversion by providing Shiro components any instance of this interface.
 *
 *
 * @see org.apache.shiro.authz.ModularRealmAuthorizer#setPermissionResolver(PermissionResolver)
 * ModularRealmAuthorizer.setPermissionResolver
 * @see org.apache.shiro.realm.AuthorizingRealm#setPermissionResolver(PermissionResolver)
 * AuthorizingRealm.setPermissionResolver
 * @see PermissionResolverAware PermissionResolverAware
 * @since 0.9
 */
public interface PermissionResolver {

    /**
     * Resolves a Permission based on the given String representation.
     *
     * @param permissionString the String representation of a permission.
     */

```

```
* @return A Permission object that can be used internally
to determine a subject's permissions.
* @throws InvalidPermissionStringException
*     if the permission string is not valid for this resolver.
*/
Permission resolvePermission(String permissionString);
}
```

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```

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*/
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

/**
 * <tt>PermissionResolver</tt> implementation that returns a new { @link WildcardPermission
 WildcardPermission}
 * based on the input string.
 *
 * @since 0.9
 */
public class WildcardPermissionResolver implements PermissionResolver {

    /**
     * Returns a new { @link WildcardPermission WildcardPermission} instance constructed based on the specified
     * <tt>permissionString</tt>.
     *
     * @param permissionString the permission string to convert to a { @link Permission Permission} instance.
     * @return a new { @link WildcardPermission WildcardPermission} instance constructed based on the specified
     *     <tt>permissionString</tt>
     */
    public Permission resolvePermission(String permissionString) {
        return new WildcardPermission(permissionString);
    }
}

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 */
/**
 * Support and default implementations for Shiro's { @link org.apache.shiro.authz.Permission Permission}

```

\* interface.  
\* <p/>  
\* Also note the { @link org.apache.shiro.authz.permission.PermissionResolver  
PermissionResolver } interface, as  
\* it plays an important part in many of Shiro's { @link org.apache.shiro.realm.Realm Realm } implementations  
\* and AOP support.  
\*/  
package org.apache.shiro.authz.permission;

## 1.220 aws-java-sdk-cloudwatch 1.11.511

## 1.221 log4j-slf4j-impl 2.11.1

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## 1.222 unboundid-ldap-sdk 4.0.8

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- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/AsmCachedFieldFactory.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/io/UnsafeOutput.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/BlowfishSerializer.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/Generics.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/util/DefaultClassResolver.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/ClassResolver.java
- \*
- /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/UnsafeCachedFieldFactory.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/io/InputChunked.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/io/FastOutput.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/KryoCopyable.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/ObjectField.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/Kryo.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/util/ListReferenceResolver.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/FieldSerializerGenericsUtil.java
- \*
- /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/pool/KryoFactory.java
- \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/CompatibleFieldSerializer.java



\* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/Serializer.java  
 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/serializers/FieldSerializerAnnotationsUtil.java  
 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/factories/SerializerFactory.java  
 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/pool/KryoCallback.java  
 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/pool/KryoPoolQueueImpl.java  
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 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/util/IntArray.java  
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 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/util/Util.java  
 \* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-

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jar/com/esotericsoftware/kryo/pool/KryoPool.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/ReferenceResolver.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/io/OutputChunked.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/io/UnsafeMemoryInput.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
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* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/util/IdentityObjectIntMap.java
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/opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
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* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
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jar/com/esotericsoftware/kryo/io/UnsafeMemoryOutput.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/Registration.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/KryoException.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/DefaultSerializer.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/serializers/MapSerializer.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/serializers/DefaultSerializers.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-
jar/com/esotericsoftware/kryo/util/MapReferenceResolver.java
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jar/com/esotericsoftware/kryo/io/UnsafeInput.java
* /opt/cola/permits/1001689035_1607385153.08/0/kryo-4-0-2-sources-

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jar/com/esotericsoftware/kryo/io/KryoObjectOutput.java  
\* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-  
jar/com/esotericsoftware/kryo/serializers/FieldSerializerUnsafeUtilImpl.java  
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jar/com/esotericsoftware/kryo/serializers/TimeSerializers.java

\* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-

jar/com/esotericsoftware/kryo/serializers/FieldSerializerConfig.java

\* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-

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\*  
\* Use of Unsafe on Android is forbidden, as Android provides only a very limited functionality for this class compared to the JDK  
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\*  
\* @author Roman Levenstein <romixlev@gmail.com> \*/

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\* /opt/cola/permits/1001689035\_1607385153.08/0/kryo-4-0-2-sources-jar/com/esotericsoftware/kryo/io/Util.java

## 1.235 kryo 4.0.2

## 1.236 guava 28.0

## 1.237 checker-qual 2.8.1

## 1.238 hibernate-validator 6.0.17

## 1.239 kryo-shaded 4.0.2

# 1.240 activemq-amqp 5.15.9

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# 1.256 activemq-console 5.15.9

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# 1.257 activemq-shiro 5.15.9

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# 1.259 httpcomponents-client 4.5.2

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## 1.260 java\_html\_sanitizer 20190610.1

## 1.261 jandex 2.1.1

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## 1.264 netty 4.1.32

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## 1.268 tomcat 9.0.22

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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd

- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
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- web-common\_3\_1.xsd
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- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
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- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
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## 1.269 tomcat-jdbc 9.0.22

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## 1.272 ecj 3.18.0

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## 1.277 ingest-common 6.8.1

## 1.278 ingest-geoip 6.8.1

## 1.279 tomcat-api 9.0.22

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# 1.280 aspect-j 1.9.3

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## 1.283 tomcat-jasper-el 9.0.22



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## 1.284 tomcat-jaspic-api 9.0.22

## 1.285 elasticsearch-core 6.8.1

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## 1.287 mapper-extras 6.8.1

# 1.288 jjwt-api 0.10.6

## 1.289 aggs-matrix-stats-client 6.8.1

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# 1.290 analysis-common 6.8.1

## 1.291 tomcat-coyote 9.0.22

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## 1.292 dissect 6.8.1

## 1.293 tomcat-el-api 9.0.22

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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd

- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
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## 1.302 jjwt-jackson 0.10.6

## 1.303 tomcat-tribes 9.0.22

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## 1.304 lang-expression 6.8.1

## 1.305 tomcat-util-scan 9.0.22

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## 1.307 jjwt-impl 0.10.6

## 1.308 tomcat-annotations-api 9.0.22

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## 1.318 tomcat-websocket-api 9.0.22

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## 1.320 tribe 6.8.1

## 1.321 sysout-over-slf4j 1.0.2

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# 1.323 lang-painless 6.8.1

# 1.324 ingest-user-agent 6.8.1

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Version: 2.0

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Status: Final Release

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Specification Lead: Oracle America, Inc. ("Specification Lead")

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Release: 20 March 2013

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## 1.328 error\_prone\_annotations 2.3.2

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```

Found in path(s):

```
* /opt/cola/permits/1007294135_1646171712.95/0/error-prone-annotations-2-3-2-sources-
jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/cola/permits/1007294135_1646171712.95/0/error-prone-annotations-2-3-2-sources-
jar/com/google/errorprone/annotations/FormatString.java
* /opt/cola/permits/1007294135_1646171712.95/0/error-prone-annotations-2-3-2-sources-
```

jar/com/google/errorprone/annotations/RestrictedApi.java

\*

/opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-

jar/com/google/errorprone/annotations/CompatibleWith.java

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jar/com/google/errorprone/annotations/FormatMethod.java

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jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java

\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-

jar/com/google/errorprone/annotations/DoNotCall.java

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jar/com/google/errorprone/annotations/CheckReturnValue.java

\*

/opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-

jar/com/google/errorprone/annotations/concurrent/GuardedBy.java

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  - \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/concurrent/LockMethod.java
  - \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
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- \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/RequiredModifiers.java
- \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
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- \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/Immutable.java
- \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
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- \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/Var.java
- \* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/concurrent/LazyInit.java
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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <[Cyan4973@github.com](mailto:Cyan4973@github.com)>

Source: <https://github.com/lz4/lz4>

Files: \*

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

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Also add information on how to contact you by electronic and paper mail.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

## 1.340 libjpeg 1.2.90-8.el7

## 1.340.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/*
 * jsimd_i386.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on a
 * 32-bit x86 architecture.
 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jsimd_i386.c
```

No license file was found, but licenses were detected in source scan.

```
/*
 * jdmainct.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for decompression.
 * The main buffer lies between the JPEG decompressor proper and the
 * post-processor; it holds downsampled data in the JPEG colorspace.
 *
 * Note that this code is bypassed in raw-data mode, since the application
 * supplies the equivalent of the main buffer in that case.
 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmainct.c
```

No license file was found, but licenses were detected in source scan.

```
/*
 * jinclude.h
```

\*  
\* Copyright (C) 1991-1994, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file exists to provide a single place to fix any problems with  
\* including the wrong system include files. (Common problems are taken  
\* care of by the standard jconfig symbols, but on really weird systems  
\* you may have to edit this file.)  
\*  
\* NOTE: this file is NOT intended to be included by applications using the  
\* JPEG library. Most applications need only include jpeglib.h.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jinclude.h  
No license file was found, but licenses were detected in source scan.

/\*  
\* jmemnobs.c  
\*  
\* Copyright (C) 1992-1996, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file provides a really simple implementation of the system-  
\* dependent portion of the JPEG memory manager. This implementation  
\* assumes that no backing-store files are needed: all required space  
\* can be obtained from malloc().  
\* This is very portable in the sense that it'll compile on almost anything,  
\* but you'd better have lots of main memory (or virtual memory) if you want  
\* to process big images.  
\* Note that the max\_memory\_to\_use option is ignored by this implementation.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemnobs.c  
No license file was found, but licenses were detected in source scan.

/\*  
\* rdswitch.c  
\*  
\* This file was part of the Independent JPEG Group's software:  
\* Copyright (C) 1991-1996, Thomas G. Lane.  
\* Modifications:  
\* Copyright (C) 2010, D. R. Commander.

```
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to process some of cjpeg's more complicated
* command-line switches. Switches processed here are:
* -qtables file Read quantization tables from text file
* -scans file Read scan script from text file
* -quality N[,N,...] Set quality ratings
* -qslots N[,N,...] Set component quantization table selectors
* -sample HxV[,HxV,...] Set component sampling factors
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdswitch.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* jsimd.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimd.h
No license file was found, but licenses were detected in source scan.
```

```
;
; jcolsamp.inc - private declarations for color conversion & up/downsampling
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]
; -----
; pseudo-resisters to make ordering of RGB configurable
```

```

;
%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN
== 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0

```



```
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif
```

```
%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%else
%define mmG mm6
%define mmH mm7
%define xmmG xmm6
%define xmmH xmm7
%endif
```

;-----

Found

in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-

1.2.90/simd/jcolsamp.inc

No license file was found, but licenses were detected in source scan.

```
/*
 * wrgif.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in GIF format.
 *
 *****
 * NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
 * this code has been modified to output "uncompressed GIF" files. *
 * There is no trace of the LZW algorithm in this file. *
 *****
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */
/*
 * This code is loosely based on ppmtogif from the PBMPLUS distribution
 * of Feb. 1991. That file
 * contains the following copyright notice:
 * Based on GIFENCODER by David Rowley <mgardi@watdscu.waterloo.edu>.
 * Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
 * Copyright (C) 1989 by Jef Poskanzer.
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 * that the above copyright notice appear in all copies and that both that
 * copyright notice and this permission notice appear in supporting
 * documentation. This software is provided "as is" without express or
 * implied warranty.
 *
 * We are also required to state that
 * "The Graphics Interchange Format(c) is the Copyright property of
 * CompuServe Incorporated. GIF(sm) is a Service Mark property of
 * CompuServe Incorporated."
 */
```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrgif.c

No license file was found, but licenses were detected in source scan.

/\*

```
* wrtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in Targa format.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* Based on code contributed by Lee Daniel Crocker.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrtarga.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* jutils.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains tables and miscellaneous utility routines needed
* for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
* a surrounding application.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jutils.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* jdatasrc.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2011 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*/
```

\* This file contains decompression data source routines for the case of  
\* reading JPEG data from memory or from a file (or any stdio stream).  
\* While these routines are sufficient for most applications,  
\* some will want to use a different source manager.  
\* IMPORTANT: we assume that fread() will correctly transcribe an array of  
\* JOCTETs from 8-bit-wide elements on external storage. If char is wider  
\* than 8 bits on your machine, you may need to do some tweaking.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatasrc.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jdhuft.h

\*

\* This file was part of the Independent JPEG Group's software:  
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\* Modifications:  
\* Copyright (C) 2010-2011, D. R. Commander.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains declarations for Huffman entropy decoding routines  
\* that are shared between the sequential decoder (jdhuft.c) and the  
\* progressive decoder (jdpuff.c). No other modules need to see these.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdhuft.h  
No license file was found, but licenses were detected in source scan.

/\*

\* cjpeg.c

\*

\* This file was part of the Independent JPEG Group's software:  
\* Copyright (C) 1991-1998, Thomas G. Lane.  
\* Modified 2003-2011 by Guido Vollbeding.  
\* Modifications:  
\* Copyright (C) 2010, 2013, D. R. Commander.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains a command-line user interface for the JPEG compressor.  
\* It should work on any system with Unix- or MS-DOS-style command lines.  
\*  
\* Two different command line styles are permitted, depending on the  
\* compile-time switch TWO\_FILE\_COMMANDLINE:

```
* cjpeg [options] inputfile outputfile
* cjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful
  on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* cjpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cjpeg.c
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* jdcolor.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2011 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2009, 2011-2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains output colorspace conversion routines.
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcolor.c
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* cdjpeg.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains common declarations for the sample applications
* cjpeg and djpeg. It is NOT used by the core JPEG library.
*/
```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cdjpeg.h

No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdex.inc

; for more details.

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxfst.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2fst.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2fst-64.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimxfst.asm

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2fst.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2fst-64.asm

No license file was found, but licenses were detected in source scan.

/\*

\* jcmarker.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1991-1998, Thomas G. Lane.

\* Modifications:

\* Copyright (C) 2010, D. R. Commander.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains routines to write JPEG datastream markers.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcmarker.c

No license file was found, but licenses were detected in source scan.

```
/*
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the JPEG system-independent memory management
 * routines. This code is usable across a wide variety of machines; most
 * of the system dependencies have been isolated in a separate file.
 * The major functions provided here are:
 * * pool-based allocation and freeing of memory;
 * * policy decisions about how to divide available memory among the
 *   virtual arrays;
 * * control logic for swapping virtual arrays between main memory and
 *   backing storage.
 * The separate system-dependent file provides the actual backing-storage
 * access code, and it contains the policy decision about how much total
 * main memory to use.
 * This file is system-dependent in the sense that some of
 * its functions
 * are unnecessary in some systems. For example, if there is enough virtual
 * memory so that backing storage will never be used, much of the virtual
 * array control logic could be removed. (Of course, if you have that much
 * memory then you shouldn't care about a little bit of unused code...)
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemmgr.c
```

No license file was found, but licenses were detected in source scan.

## IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.

This file was part of the Independent JPEG Group's software.

It was modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo.

For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software; that is, the functions of the various modules in the system and the interfaces between modules. For more precise details about any data structure or calling convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.

The README file includes references for learning about JPEG. The file

libjpeg.txt describes the library from the viewpoint of an application programmer using the library; it's best to read that file before this one.

Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:

A "component" means a color channel, e.g., Red or Luminance.

A "sample" is a single component value (i.e., one number in the image data).

A "coefficient" is a frequency coefficient (a DCT transform output number).

A "block" is an 8x8 group of samples or coefficients.

An "MCU" (minimum coded unit) is an interleaved set of blocks of size determined by the sampling factors, or a single block in a noninterleaved scan.

We do not use the terms "pixel" and "sample" interchangeably. When we say pixel, we mean an element of the full-size image, while a sample is an element of the downsampled image. Thus the number of samples may vary across components while the number of pixels does not. (This terminology is not used rigorously throughout the code, but it is used in places where confusion would otherwise result.)

\*\*\* System features

\*\*\*

The IJG distribution contains two parts:

- \* A subroutine library for JPEG compression and decompression.

- \* cjpeg/djpeg, two sample applications that use the library to transform JFIF JPEG files to and from several other image formats.

cjpeg/djpeg are of no great intellectual complexity: they merely add a simple command-line user interface and I/O routines for several uncompressed image formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library.

We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec

should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a



run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

### \*\*\* Portability issues \*\*\*

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.
2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.
3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However,

the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

### \*\*\* System overview \*\*\*

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

#### Preprocessing:

- \* Color space conversion (e.g., RGB to YCbCr).
- \* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

#### JPEG proper:

- \* MCU assembly, DCT, quantization.
- \* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

#### JPEG proper:

- \* Entropy decoding (sequential or progressive, Huffman or arithmetic).
- \* Dequantization, inverse DCT,

#### MCU disassembly.

#### Postprocessing:

- \* Upsampling. Optionally, this step may be able to do more general

rescaling of the image.

- \* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
- \* Optional color quantization (e.g., reduction to 256 colors).
- \* Optional color precision reduction (e.g., 24-bit to 15-bit color).  
[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks.

It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

\*\*\* Poor man's object-oriented programming \*\*\*

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C.

The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct.

The "public"

fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see `jdatadst.c`, which implements the external interface specified by struct `jpeg_destination_mgr`, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular

sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular

set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

\*\*\* Overall control structure \*\*\*

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was

mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

1A. Startup initialization at the beginning of image processing.  
The individual processing modules to be used in this run are selected and given initialization calls.

1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

```
input data => processing step A => buffer => processing step B => output data
          |           |           |
          ----- controller -----
```

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a

higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:

\* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)

\* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required.

The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

\*\*\* Compression object structure \*\*\*

Here is a sketch of the logical structure of the JPEG compression library:

```

                                |-- Colospace conversion
|-- Preprocessing controller --|
|                                |-- Downsampling
Main controller --|
|                                |-- Forward DCT, quantize
|-- Coefficient controller --|
|                                |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

\* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to

fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

- \* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.
- \* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.
- \* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as  $V_{max}$  pixel rows of each component before downsampling, and  $V_k$  sample rows afterwards (remember  $V_k$  differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).
- \* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.
- \* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)
- \* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

- \* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.
- \* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).
- \* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.
- \* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).
- \* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.
- \* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

\*\*\* Decompression object structure \*\*\*

Here is a sketch of the logical structure of the JPEG decompression library:

```

                                |-- Entropy decoding
|-- Coefficient controller --|
|                               |-- Dequantize, Inverse DCT
Main controller --|
|                               |-- Upsampling
|-- Postprocessing controller --| |-- Colorspace conversion

```



- |-- Color quantization
- |-- Color precision reduction

As before, this diagram also represents typical control flow. The objects shown are:

- \* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.
  
- \* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.
  
- \* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.
  
- \* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.
  
- \* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.
  
- \* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a

buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

\* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

\* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

\* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note

that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

\* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: `jdinput.c` controls only input-side processing, while `jdmaster.c` handles overall initialization and output-side control.

\* Marker reading: decodes JPEG markers (except for RSTn).

\* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

\* Memory manager: same as for compression library.

\* Error handler: same as for compression library.

\* Progress

monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

\*\*\* Decompression input and output separation \*\*\*

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.
2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls `jpeg_consume_input()`; otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In

this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See `libjpeg.txt` for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. `jpeg_consume_input()` is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the `cinfo` data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the

library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

\*\*\* Data formats \*\*\*

Arrays of pixel sample values use the following data structure:

```
typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays
```

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be  $\geq 0$ . This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:

- \* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
- \* Indexing doesn't require multiplication; this is a performance win on many machines.
- \* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
- \* The rows forming a component array may be allocated at different times without extra copying. This trick allows

some speedups in smoothing steps  
that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as  
`GETJSAMPLE(image[colorcomponent][row][col])`  
where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)\*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

```
typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays
```

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy

codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKS, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

\*\*\* Suspendable processing \*\*\*

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman

codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *\*improved\** performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *\*not\** cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling `jpeg_finish_compress()` will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

\*\*\* Memory manager services \*\*\*

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record,  
and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

- \* JPOOL\_PERMANENT lasts until master record is destroyed
- \* JPOOL\_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL\_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:

1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
  - \* On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
  - \* Pool allocation heuristics may differ for large and small objects.Note that individual "large" objects cannot exceed the size allowed by type size\_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKS (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create



these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible.

(For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit\_XXX routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize\_virt\_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers.

Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize\_virt\_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize\_virt\_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made

available to the caller. If this flag is not set, never-written sections

of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

\*\*\* Memory manager internal structure \*\*\*

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

jpeg\_mem\_init, jpeg\_mem\_term system-dependent initialization/shutdown

jpeg\_get\_small, jpeg\_free\_small interface to malloc and free library routines  
(or their equivalents)

jpeg\_get\_large, jpeg\_free\_large interface to FAR malloc/free in MSDOS machines;  
else usually the same as  
jpeg\_get\_small/jpeg\_free\_small

jpeg\_mem\_available estimate available memory

jpeg\_open\_backing\_store create a backing-store object

read\_backing\_store, manipulate a backing-store object  
write\_backing\_store,  
close\_backing\_store

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). jpeg\_open\_backing\_store is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this

lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations.

Usually

the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

\*\*\* Implications of DNL marker \*\*\*

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:

1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.

This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary

files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan.

This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:

1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/structure.txt  
No license file was found, but licenses were detected in source scan.
```

```
/*  
* jsimddct.h  
*  
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB  
*  
* Based on the x86 SIMD extension for IJG JPEG library,  
* Copyright (C) 1999-2006, MIYASAKA Masaru.  
* For conditions of distribution and use, see copyright notice in jsimdext.inc  
*  
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimddct.h  
No license file was found, but licenses were detected in source scan.
```

```
/*  
* wrjpgcom.c  
*  
* Copyright (C) 1994-1997, Thomas G. Lane.
```

- \* This file is part of the Independent JPEG Group's software.
- \* For conditions of distribution and use, see the accompanying README file.
- \*
- \* This file contains a very simple stand-alone application that inserts
- \* user-supplied text as a COM (comment) marker in a JFIF file.
- \* This may be useful as an example of the minimum logic needed to parse
- \* JPEG markers.
- \*/

Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrjpgcom.c

No license file was found, but licenses were detected in source scan.

/\*

- \* jquant1.c
- \*
- \* This file was part of the Independent JPEG Group's software:
- \* Copyright (C) 1991-1996, Thomas G. Lane.
- \* Modifications:
- \* Copyright (C) 2009, D. R. Commander
- \* For conditions of distribution and use, see the accompanying README file.
- \*
- \* This file contains 1-pass color quantization (color mapping) routines.
- \* These routines provide mapping to a fixed color map using equally spaced
- \* color values. Optional Floyd-Steinberg or ordered dithering is available.
- \*/

Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jquant1.c

No license file was found, but licenses were detected in source scan.

/\*

- \* cdjpeg.c
- \*
- \* Copyright (C) 1991-1997, Thomas G. Lane.
- \* This file is part of the Independent JPEG Group's software.
- \* For conditions of distribution and use, see the accompanying README file.
- \*
- \* This file contains common support routines used by the IJG application
- \* programs (cjpeg, djpeg, jpegtran).
- \*/

Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cdjpeg.c

No license file was found, but licenses were detected in source scan.

```
/*
 * jcparam.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2003-2008 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains optional default-setting code for the JPEG compressor.
 * Applications do not have to use this file, but those that don't use it
 * must know a lot more about the innards of the JPEG code.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcparam.c
```

No license file was found, but licenses were detected in source scan.

```
/*
 * jdmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
 * pass.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmaster.c
```

No license file was found, but licenses were detected in source scan.

```
/*
 * jquant2.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
```

\* Modifications:  
\* Copyright (C) 2009, D. R. Commander.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains 2-pass color quantization (color mapping) routines.  
\* These routines provide selection of a custom color map for an image,  
\* followed by mapping of the image to that color map, with optional  
\* Floyd-Steinberg dithering.  
\* It is also possible to use just the second pass to map to an arbitrary  
\* externally-given color map.  
\*  
\* Note: ordered dithering is not supported, since there isn't any fast  
\* way to compute intercolor distances; it's unclear that ordered dither's  
\* fundamental assumptions even hold with an irregularly spaced color map.  
\*/

Found in path(s):

\*/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jquant2.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jidctfst.c

\*

\* Copyright (C) 1994-1998, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains a fast, not so accurate integer implementation of the  
\* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine  
\* must also perform dequantization of the input coefficients.

\*

\* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT  
\* on each row (or vice versa, but it's more convenient to emit a row at  
\* a time). Direct algorithms are also available, but they are much more  
\* complex and seem not to be any faster when reduced to code.

\*

\* This implementation is based on Arai, Agui, and Nakajima's algorithm for  
\* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in  
\* Japanese, but the algorithm is described in the Pennebaker & Mitchell  
\* JPEG textbook (see REFERENCES section in file README). The following code  
\* is based directly on figure 4-8 in P&M.

\* While an 8-point DCT cannot be done in less than 11 multiplies, it is  
\* possible to arrange the computation so that many of the multiplies are  
\* simple scalings of the final outputs. These multiplies can then be  
\* folded into the multiplications or divisions by the JPEG quantization  
\* table entries. The AA&N method leaves only 5 multiplies and 29 adds  
\* to be done in the DCT itself.

- \* The primary disadvantage of this method is that with fixed-point math,
- \* accuracy is lost due to imprecise representation of the scaled
- \* quantization values. The smaller the quantization table entry, the less
- \* precise the scaled value, so this implementation does worse with high-
- \* quality-setting files than with low-quality ones.

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctfst.c  
 No license file was found, but licenses were detected in source scan.

/\*

\* jdhuft.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1991-1997, Thomas G. Lane.

\* Modifications:

\* Copyright (C) 2009-2011, D. R. Commander.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains Huffman entropy decoding routines.

\*

\* Much of the complexity here has to do with supporting input suspension.

\* If the data source module demands suspension, we want to be able to back

\* up to the start of the current MCU. To do this, we copy state variables

\* into local working storage, and update them back to the permanent

\* storage only upon successful completion of an MCU.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdhuft.c  
 No license file was found, but licenses were detected in source scan.

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```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
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```

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```

;
;jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
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;   be plainly marked as such, and must not be
;   misrepresented as being the original software.
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;
; [TAB8]

```

```

; =====
; System-dependent configurations

```

```

%ifdef WIN32 ; ----(nasm -fwin32 -DWIN32 ...)-----
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

```

```

; -- segment definition --
;

```

```

%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
%endif

```

```

%elifdef WIN64 ; ----(nasm -fwin64 -DWIN64 ...)-----
; * Microsoft Visual C++

```

```

; -- segment definition --
;

```

```

%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16
public use64 class=CONST
%endif
%define EXTN(name) name ; foo() -> foo

```

```

%elifdef OBJ32 ; ----(nasm -fobj -DOBJ32 ...)-----
; * Borland C++ (Win32)

```

```

; -- segment definition --
;
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .data align=16 public use32 class=DATA

%ifdef ELF ; ----(nasm -felf[64] -DELFB ...)-----
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL _GLOBAL_OFFSET_TABLE_ ; ELF supports PIC
%define EXTN(name)
name ; foo() -> foo

%ifdef AOUT ; ----(nasm -faoutb/aout -DAOUT ...)----
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE_ ; BSD-style a.out supports PIC

%ifdef MACHO ; ----(nasm -fmacho -DMACHO ...)-----
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;

```

```

%define SEG_TEXT .text ;align=16 ; nasm doesn't accept align=16. why?
%define SEG_CONST .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL _MACHO_PIC_ ; Mach-O style code-relative addressing

%else ; ----(Other case)-----

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST
.data

%endif ; -----

; =====

; -----
; Common types
;
%ifdef __x86_64__
%define POINTER qword ; general pointer type
%define SIZEOF_POINTER SIZEOF_QWORD ; sizeof(POINTER)
%define POINTER_BIT QWORD_BIT ; sizeof(POINTER)*BYTE_BIT
%else
%define POINTER dword ; general pointer type
%define SIZEOF_POINTER SIZEOF_DWORD ; sizeof(POINTER)
%define POINTER_BIT DWORD_BIT ; sizeof(POINTER)*BYTE_BIT
%endif

%define INT dword ; signed integer type
%define SIZEOF_INT SIZEOF_DWORD ; sizeof(INT)
%define INT_BIT DWORD_BIT ; sizeof(INT)*BYTE_BIT

%define FP32 dword ; IEEE754 single
%define SIZEOF_FP32 SIZEOF_DWORD
; sizeof(FP32)
%define FP32_BIT DWORD_BIT ; sizeof(FP32)*BYTE_BIT

%define MMWORD qword ; int64 (MMX register)
%define SIZEOF_MMWORD SIZEOF_QWORD ; sizeof(MMWORD)
%define MMWORD_BIT QWORD_BIT ; sizeof(MMWORD)*BYTE_BIT

; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.

```

```

%define XMMWORD                ; int128 (SSE register)
%define SIZEOF_XMMWORD        SIZEOF_OWORD  ; sizeof(XMMWORD)
%define XMMWORD_BIT           OWORD_BIT    ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
%define XMM_DWORD
%define XMM_MMWORD

%define SIZEOF_BYTE            1            ; sizeof(BYTE)
%define SIZEOF_WORD            2            ; sizeof(WORD)
%define SIZEOF_DWORD           4            ; sizeof(DWORD)
%define SIZEOF_QWORD           8
    ; sizeof(QWORD)
%define SIZEOF_OWORD           16           ; sizeof(OWORD)

%define BYTE_BIT               8            ; CHAR_BIT in C
%define WORD_BIT               16           ; sizeof(WORD)*BYTE_BIT
%define DWORD_BIT              32           ; sizeof(DWORD)*BYTE_BIT
%define QWORD_BIT              64           ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT              128          ; sizeof(OWORD)*BYTE_BIT

; -----
; External Symbol Name
;
%ifndef EXTN
%define EXTN(name) _ %+ name ; foo() -> _foo
%endif

; -----
; Macros for position-independent code (PIC) support
;
%ifndef GOT_SYMBOL
%undef PIC
%endif

%ifdef PIC ; -----

%ifidn GOT_SYMBOL,_MACHO_PIC_ ; -----

; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a
; little tricky.

SECTION SEG_CONST
const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

```

```

%imacro get_GOT 1
; NOTE: this macro destroys ecx register.
call %%geteip
add ecx, byte (%%ref - $)
jmp short %%adjust
%%geteip:
mov ecx, POINTER [esp]
ret
%%adjust:
push ebp
xor ebp,ebp ; ebp = 0
%ifidni %1,ebx ; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
; lea ebx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,9C,E9,(offset32)
db 0x8D,0x9C ; 8D,9C
jmp near const_base ; E9,(const_base-%%ref)
%%ref:
%else ; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
; lea ecx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,8C,E9,(offset32)
db 0x8D,0x8C ; 8D,8C
jmp near const_base ; E9,(const_base-%%ref)
%%ref: mov %1, ecx
%endif ; (%1 == ebx)
pop ebp
%endmacro

```

```

%else ; GOT_SYMBOL != _MACHO_PIC_ -----

```

```

%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

```

```

%imacro get_GOT 1
extern GOT_SYMBOL
call %%geteip
add %1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmp short %%done
%%geteip:
mov %1,
POINTER [esp]
ret
%%done:
%endmacro

```

```

%endif ; GOT_SYMBOL == _MACHO_PIC_ -----

```

```

%imacro pushpic 1.nolist
push %1
%endmacro

```

```

%imacro poppic 1.nolist
pop %1
%endmacro
%imacro movpic 2.nolist
mov %1,%2
%endmacro

%else ; !PIC -----

%define GOTOFF(got,sym) (sym)

%imacro get_GOT 1.nolist
%endmacro
%imacro pushpic 1.nolist
%endmacro
%imacro poppic 1.nolist
%endmacro
%imacro movpic 2.nolist
%endmacro

%endif ; PIC -----

; -----
; Align the next instruction on {2,4,8,16,...}-byte boundary.
; ".balign n,,m" in GNU as
;
%define MSKLE(x,y) (~(((y) & 0xFFFF) - ((x) & 0xFFFF)) >> 16)
%define FILLB(b,n) (($-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%%bs: times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) \
    db 0x90                ; nop
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/9 \

    db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/7 \
    db 0x8D,0xAC,0x25,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/6 \
    db 0x8D,0xAD,0x00,0x00,0x00,0x00    ; lea ebp,[ebp+0x00000000]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/4 \
    db 0x8D,0x6C,0x25,0x00                ; lea ebp,[ebp+0x00]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/3 \
    db 0x8D,0x6D,0x00                ; lea ebp,[ebp+0x00]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/2 \
    db 0x8B,0xED                ; mov ebp,ebp
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/1 \
    db 0x90                ; nop
%endmacro

```

; Align the next data on {2,4,8,16,..}-byte boundary.

;

```
%imacro alignz 1.nolist  
align %1, db 0 ; filling zeros  
%endmacro
```

```
%ifdef __x86_64__
```

```
%ifdef WIN64
```

```
%imacro collect_args 0  
push r12  
push r13  
push r14  
push r15  
mov  
r10, rcx  
mov r11, rdx  
mov r12, r8  
mov r13, r9  
mov r14, [rax+48]  
mov r15, [rax+56]  
push rsi  
push rdi  
sub  rsp, SIZEOF_XMMWORD  
movaps XMMWORD [rsp], xmm6  
sub  rsp, SIZEOF_XMMWORD  
movaps XMMWORD [rsp], xmm7  
%endmacro
```

```
%imacro uncollect_args 0  
movaps xmm7, XMMWORD [rsp]  
add  rsp, SIZEOF_XMMWORD  
movaps xmm6, XMMWORD [rsp]  
add  rsp, SIZEOF_XMMWORD  
pop rdi  
pop rsi  
pop r15  
pop r14  
pop r13  
pop r12  
%endmacro
```

```
%else
```

```
%imacro collect_args 0  
push r10
```



```
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro
```

```
%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro
```

```
%endif
```

```
%endif
```

```
;-----
```

```
; Defines picked up from the C headers
```

```
;
```

```
%include "jsimdefg.inc"
```

```
;-----
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jsimdext.inc
```

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```
/*
```

```
* wrppm.c
```

```
*
```

```
* Copyright (C) 1991-1996, Thomas G. Lane.
```

```
* Modified 2009 by Guido Vollbeding.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains routines to write output images in PPM/PGM format.
```

- \* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
- \* The PBMPLUS library is NOT required to compile this software
- \* (but it is highly useful as a set of PPM image manipulation programs).
- \*
- \* These routines may need modification for non-Unix environments or
- \* specialized applications. As they stand, they assume output to
- \* an ordinary stdio stream.
- \*/

Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrppm.c

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/\*

\* jchuff.h

\*

- \* Copyright (C) 1991-1997, Thomas G. Lane.
- \* This file is part of the Independent JPEG Group's software.
- \* For conditions of distribution and use, see the accompanying README file.
- \*
- \* This file contains declarations for Huffman entropy encoding routines
- \* that are shared between the sequential encoder (jchuff.c) and the
- \* progressive encoder (jcphuff.c). No other modules need to see these.
- \*/

Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jchuff.h

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- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimdcpu.asm
- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimxred.asm
- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jccolss2.asm
- \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcclrss2-64.asm
- \*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcgryss2-64.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmerss2-64.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfsseflt.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcsammmx.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfsseflt-64.asm

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmermmx.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcsamss2.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcclrss2.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnts2i.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdcolss2.asm

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnts2f.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/ji3dnflt.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jccolss2-64.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2flt.asm

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jccolmmx.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-

1.2.90/simd/jdclrmx.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgmmx.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnts2i-64.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcgryss2.asm  
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 /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jf3dnflt.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmerss2.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgss2-64.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdsamss2.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqntsse.asm  
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 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgss2.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnts2f-64.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jisseflt.asm  
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 /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jjiss2red.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcclrmx.asm  
 \* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqntmmx.asm

```

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jcqt3dn.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jdclrss2.asm
*
/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcgrass2-
64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdclrss2-
64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jdcolmmx.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
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1.2.90/simd/jcgrymmx.asm
*
/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2red-
64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jcgrammx.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcsamss2-
64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdcolss2-
64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jdsammmx.asm
*
/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2flt-
64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdsamss2-
64.asm
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/*
* jdapimin.c
*
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```

\* This file is part of the Independent JPEG Group's software.  
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\*  
\* This file contains application interface code for the decompression half  
\* of the JPEG library. These are the "minimum" API routines that may be  
\* needed in either the normal full-decompression case or the  
\* transcoding-only case.  
\*  
\* Most of the routines intended to be called directly by an application  
\* are in this file or in jdapistd.c. But also see jcomapi.c for routines  
\* shared by compression and decompression, and jdtrans.c for the transcoding  
\* case.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdapimin.c  
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/\*

\* jdatadst-tj.c

\*

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\* Modifications:  
\* Copyright (C) 2011, D. R. Commander.  
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\*  
\* This file contains compression data destination routines for the case of  
\* emitting JPEG data to memory or to a file (or any stdio stream).  
\* While these routines are sufficient for most applications,  
\* some will want to use a different destination manager.  
\* IMPORTANT: we assume that fwrite() will correctly transcribe an array of  
\* JOCTETs into 8-bit-wide elements on external storage. If char is wider  
\* than 8 bits on your machine, you may need to do some tweaking.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatadst-tj.c  
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archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-

1.2.90/doc/html/search/search.js

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/\*

\* jchuff.c

\*

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\*

\* This file contains Huffman entropy encoding routines.

\*

\* Much of the complexity here has to do with supporting output suspension.

\* If the data destination module demands suspension, we want to be able to

\* back up to the start of the current MCU. To do this, we copy state

\* variables into local working storage, and update them back to the

\* permanent JPEG objects only upon successful completion of an MCU.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jchuff.c

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archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/org/libjpegturbo/turbojpeg/TJCompressor.java

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/org/libjpegturbo/turbojpeg/TJDecompressor.java

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/TJExample.java

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/org/libjpegturbo/turbojpeg/TJ.java

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/TJUnitTest.java

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg-jni.c

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/\*

\* jdct.h

\*

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- \* This file is part of the Independent JPEG Group's software.
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- \*
- \* This include file contains common declarations for the forward and
- \* inverse DCT modules. These declarations are private to the DCT managers
- \* (jcdctmgr.c, jddctmgr.c) and the individual DCT algorithms.
- \* The individual DCT algorithms are kept in separate files to ease
- \* machine-dependent tuning (e.g., assembly coding).
- \*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdct.h  
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/\*

\* jccolor.c

\*

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- \* Copyright (C) 2009-2012, D. R. Commander.
- \* For conditions of distribution and use, see the accompanying README file.
- \*
- \* This file contains input colorspace conversion routines.
- \*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccolor.c  
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\* jdsample.c

\*

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- \* For conditions of distribution and use, see the accompanying README file.
- \*
- \* This file contains upsampling routines.
- \*
- \* Upsampling input data is counted in "row groups". A row group
- \* is defined to be (v\_samp\_factor \* DCT\_scaled\_size / min\_DCT\_scaled\_size)
- \* sample rows of each component. Upsampling will normally produce

- \* max\_v\_samp\_factor pixel rows from each row group (but this could vary
- \* if the upsampler is applying a scale factor of its own).
- \*
- \* An excellent reference for image resampling is
- \* Digital Image Warping, George Wolberg, 1990.
- \* Pub. by IEEE Computer Society Press, Los Alamitos, CA. ISBN 0-8186-8944-7.
- \*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdsample.c  
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\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo.spec  
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/\*

\* jidctred.c

\*

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\*

\* This file contains inverse-DCT routines that produce reduced-size output:

\* either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.

\*

\* The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M)

\* algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step

\* with an 8-to-4 step that produces the four averages of two adjacent outputs

\* (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).

\* These steps were derived by computing the corresponding values at the end

\* of the normal LL&M code, then simplifying as much as possible.

\*

\* 1x1 is trivial: just take the DC coefficient divided by 8.

\*

\* See jidctint.c for additional comments.

\*/

Found in path(s):

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctred.c

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```
/*
 * jcapimin.c
 *
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 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
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 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jcparam.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcapimin.c
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```

```
/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to
 * customize the JPEG software for a particular system.
 *
 * The actual configuration options for a particular installation are stored
 * in jconfig.h. On many machines, jconfig.h can be generated automatically
 * or copied from one of the "canned" jconfig files that we supply. But if
 * you need to generate a jconfig.h file by hand, this file tells you how.
 *
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
 * EDIT A COPY NAMED JCONFIG.H.
 */
```

```
/*
 * These symbols indicate the properties of your machine or compiler.
 * #define the symbol if yes, #undef it if no.
 */
```

```

/* Does your compiler support function prototypes?
* (If not,
* you also need to use ansi2knr, see install.txt)
*/
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char" ?
* How about "unsigned short" ?
*/
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void.
* NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc().
*/
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword.
*/
/* #define const */

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/*
* Define this if your system does not have an ANSI/SysV <string.h>,
* but does have a BSD-style <strings.h>.
*/
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
* <sys/types.h> instead.
*/
#undef NEED_SYS_TYPES_H

```

```

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
* unless you are using a large-data memory model or 80386 flat-memory mode.
* On less brain-damaged CPUs this symbol must not be defined.
* (Defining this symbol causes large data structures to be referenced through
* "far" pointers and to be allocated with a special version of malloc.)
*/
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the
spec), a few pre-ANSI
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get "missing structure definition" warnings or errors while
* compiling the JPEG code.
*/
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
*/
#ifdef _WIN32
#ifndef __RPCNDR_H__ /* don't conflict if rpcnldr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN /* prevent jmorecfg.h from redefining it */
#endif

/*
* The following options affect code selection within the JPEG library,
* but they don't need to be visible to applications using the library.
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/

#ifdef JPEG_INTERNALS

/* Define this if your compiler implements ">>" on signed values as a logical
* (unsigned) shift; leave it undefined if ">>" is a
signed (arithmetic) shift,
* which is the normal and rational definition.
*/

```

```

#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/*
 * The remaining options do not affect the JPEG library proper,
 * but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
 * Other applications can ignore these.
 */

#ifdef JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */

#define BMP_SUPPORTED /* BMP image file format */
#define GIF_SUPPORTED /* GIF image file format */
#define PPM_SUPPORTED /* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED /* Utah RLE image file format */
#define TARGA_SUPPORTED /* Targa image file format */

/* Define this if you want to name both input and output files on the command
 * line, rather than using stdout and optionally stdin. You MUST do this if
 * your system can't cope with binary I/O to stdin/stdout. See comments at
 * head of cjpeg.c or djpeg.c.
 */
#undef TWO_FILE_COMMANDLINE

/*
 * Define this if your system needs explicit cleanup of temporary files.
 * This is crucial under MS-DOS, where the temporary "files" may be areas
 * of extended memory; on most other systems it's not as important.
 */
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...,"rb") or fopen(...,"wb").
 * This is necessary on systems that distinguish text files from binary files,
 * and is harmless on most systems that don't. If you have one of the rare
 * systems that complains about the "b" spec, define this symbol.
 */
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg.
 */
#undef PROGRESS_REPORT

```

```
#endif /* JPEG_CJPEG_DJPEG */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jconfig.txt  
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* jpeglib.h
```

```
*
```

```
* This file was part of the Independent JPEG Group's software:
```

```
* Copyright (C) 1991-1998, Thomas G. Lane.
```

```
* Modified 2002-2009 by Guido Vollbeding.
```

```
* Modifications:
```

```
* Copyright (C) 2009-2011, 2013, D. R. Commander.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file defines the application interface for the JPEG library.
```

```
* Most applications using the library need only include this file,
```

```
* and perhaps jerror.h if they want to know the exact error codes.
```

```
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpeglib.h  
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* jcrepct.c
```

```
*
```

```
* Copyright (C) 1994-1996, Thomas G. Lane.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains the compression preprocessing controller.
```

```
* This controller manages the color conversion, downsampling,
```

```
* and edge expansion steps.
```

```
*
```

```
* Most of the complexity here is associated with buffering input rows
```

```
* as required by the downsampler. See the comments at the head of
```

```
* jcsample.c for the downsampler's needs.
```

```
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcrepct.c  
No license file was found, but licenses were detected in source scan.
```

```
/*
 * jpegint.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides common declarations for the various JPEG modules.
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegint.h
No license file was found, but licenses were detected in source scan.
```

```
/*
 * jdmgext.c
 *
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 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains code for merged upsampling/color conversion.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmgext.c
No license file was found, but licenses were detected in source scan.
```

```
/*
 * jddctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
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 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the inverse-DCT management logic.
 * This code selects a particular IDCT implementation to be used,
```



\* and it performs related housekeeping chores. No code in this file  
\* is executed per IDCT step, only during output pass setup.  
\*  
\* Note that the IDCT routines are responsible for performing coefficient  
\* dequantization as well as the IDCT proper. This module sets up the  
\* dequantization multiplier table needed by the IDCT routine.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jddctmgr.c  
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/\*

\* jversion.h

\*

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\*  
\* This file contains software version identification.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jversion.h  
No license file was found, but licenses were detected in source scan.

/\*

\* transupp.c

\*

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\* Copyright (C) 2010, D. R. Commander.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains image transformation routines and other utility code  
\* used by the jpegtran sample application. These are NOT part of the core  
\* JPEG library. But we keep these routines separate from jpegtran.c to  
\* ease the task of maintaining jpegtran-like programs that have other user  
\* interfaces.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-

archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/transupp.c  
No license file was found, but licenses were detected in source scan.

```
/*
 * jmorecfg.h
 *
 * This file was part of the Independent JPEG Group's software:
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 * Modifications:
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains additional configuration options that customize the
 * JPEG software for special applications or support machine-dependent
 * optimizations. Most users will not need to touch this file.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmorecfg.h
No license file was found, but licenses were detected in source scan.
```

From c51b66ebcace2adec0cfbe42d25cb418ed0c02a2 Mon Sep 17 00:00:00 2001

From: DRC <information@libjpeg-turbo.org>

Date: Fri, 20 Jul 2018 17:21:36 -0500

Subject: [PATCH] cjpeg: Fix OOB read caused by malformed 8-bit BMP

... in which one or more of the color indices is out of range for the  
number of palette entries.

Fix partly borrowed from jpeg-9c. This commit also adopts Guido's  
JERR\_PPM\_OUTOFRANGE enum value in lieu of our project-specific  
JERR\_PPM\_TOOLARGE enum value.

Fixes #258

---

cderror.h | 5 +++--

rdbmp.c | 7 ++++++-

rdppm.c | 4 +++-

3 files changed, 11 insertions(+), 5 deletions(-)

diff --git a/cderror.h b/cderror.h

index d69b501..46b0f49 100644

--- a/cderror.h

+++ b/cderror.h

@@ -2,7 +2,7 @@

\* cderror.h

\*

```

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+ * Modified 2009-2017 by Guido Vollbeding.
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*
@@ -48,6 +48,7 @@ JMESSAGE(JERR_BMP_COLORSPACE, "BMP output must be grayscale or RGB")
JMESSAGE(JERR_BMP_COMPRESSED, "Sorry, compressed BMPs not yet supported")
JMESSAGE(JERR_BMP_EMPTY, "Empty BMP image")
JMESSAGE(JERR_BMP_NOT, "Not a BMP file - does not start with BM")
+JMESSAGE(JERR_BMP_OUTOFRANGE, "Numeric value out of range in BMP file")
JMESSAGE(JTRC_BMP, "%ux%u 24-bit BMP image")
JMESSAGE(JTRC_BMP_MAPPED, "%ux%u 8-bit colormapped BMP image")
JMESSAGE(JTRC_BMP_OS2, "%ux%u 24-bit OS2 BMP image")
@@ -74,8 +75,8 @@ JMESSAGE(JWRN_GIF_NOMOREDATA, "Ran out of GIF bits")
#ifdef PPM_SUPPORTED
JMESSAGE(JERR_PPM_COLORSPACE, "PPM output must be grayscale or RGB")
JMESSAGE(JERR_PPM_NONNUMERIC, "Nonnumeric data in PPM file")
-JMESSAGE(JERR_PPM_TOOLARGE, "Integer value too large in PPM file")
JMESSAGE(JERR_PPM_NOT, "Not a PPM/PGM file")
+JMESSAGE(JERR_PPM_OUTOFRANGE, "Numeric value out of range in PPM
file")
JMESSAGE(JTRC_PGM, "%ux%u PGM image")
JMESSAGE(JTRC_PGM_TEXT, "%ux%u text PGM image")
JMESSAGE(JTRC_PPM, "%ux%u PPM image")
diff --git a/rdbmp.c b/rdbmp.c
index c053074..7a27cab 100644
--- a/rdbmp.c
+++ b/rdbmp.c
@@ -3,7 +3,7 @@
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
- * Modified 2009-2010 by Guido Vollbeding.
+ * Modified 2009-2017 by Guido Vollbeding.
* Modifications:
* Modified 2011 by Siarhei Siamashka.
* For conditions of distribution and use, see the accompanying README file.
@@ -64,6 +64,7 @@ typedef struct _bmp_source_struct {
    JDIMENSION row_width; /* Physical width of scanlines in file */

    int bits_per_pixel; /* remembers 8- or 24-bit format */
+   int cmap_length; /* colormap length */
} bmp_source_struct;

@@ -124,6 +125,7 @@ get_8bit_row (j_compress_ptr cinfo, cjpeg_source_ptr sinfo)
{

```

```

bmp_source_ptr source = (bmp_source_ptr) sinfo;
register JSAMPARRAY colormap
= source->colormap;
+ int cmaplen = source->cmap_length;
JSAMPARRAY image_ptr;
register int t;
register JSAMPROW inptr, outptr;
@@ -140,6 +142,8 @@ get_8bit_row (j_compress_ptr cinfo, jpeg_source_ptr sinfo)
outptr = source->pub.buffer[0];
for (col = cinfo->image_width; col > 0; col--) {
    t = GETJSAMPLE(*inptr++);
+   if (t >= cmaplen)
+       ERREXIT(cinfo, JERR_BMP_OUTOFRANGE);
    *outptr++ = colormap[0][t]; /* can omit GETJSAMPLE() safely */
    *outptr++ = colormap[1][t];
    *outptr++ = colormap[2][t];
@@ -399,6 +403,7 @@ start_input_bmp (j_compress_ptr cinfo, jpeg_source_ptr sinfo)
source->colormap = (*cinfo->mem->alloc_sarray)
((j_common_ptr) cinfo, JPOOL_IMAGE,
(JDIMENSION) biClrUsed, (JDIMENSION) 3);
+ source->cmap_length = (int)biClrUsed;
/* and read it from the file */
read_colormap(source, (int) biClrUsed, mapentrysize);
/* account for size of colormap */
diff --git a/rdppm.c b/rdppm.c
index 5da1646..59da2bb
100644
--- a/rdppm.c
+++ b/rdppm.c
@@ -76,7 +76,7 @@ typedef struct {
JSAMPROW pixrow; /* FAR pointer to same */
size_t buffer_width; /* width of I/O buffer */
JSAMPLE *rescale; /* => maxval-remapping array, or NULL */
- int maxval;
+ unsigned int maxval;
} ppm_source_struct;

typedef ppm_source_struct * ppm_source_ptr;
@@ -126,7 +126,7 @@ read_pbm_integer (j_compress_ptr cinfo, FILE * infile, int maxval)
}

if (val > maxval)
- ERREXIT(cinfo, JERR_PPM_TOOLARGE);
+ ERREXIT(cinfo, JERR_PPM_OUTOFRANGE);

return val;
}
--

```

## 2.17.2

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo12-CVE-2018-14498.patch

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/\*

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\*

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\*

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\*

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\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-

1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-

1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tjutil.h

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-

1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tjutil.c  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java.in  
\*  
/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcstest.c  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/bmp.h  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/bmp.c  
No license file was found, but licenses were detected in source scan.

\*\*\*\*\*

\*\* Background

\*\*\*\*\*

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

\*\*\*\*\*

\*\* License

\*\*\*\*\*

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
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```
*****  
** Using libjpeg-turbo  
*****
```

libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and

decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

=====  
Installation Directory  
=====

This document assumes that libjpeg-turbo will be installed in the default directory (/opt/libjpeg-turbo on Un\*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

=====  
Replacing libjpeg  
at Run Time  
=====

Un\*x  
----

If a Un\*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD\_LIBRARY\_PATH. For instance:

[Using libjpeg]

```
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg  
real 0m0.392s  
user 0m0.074s  
sys 0m0.020s
```

[Using libjpeg-turbo]

```
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH  
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg  
real 0m0.109s  
user 0m0.029s  
sys 0m0.010s
```

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib\* with



links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

## Windows

-----

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg\_stdio\_dest() and jpeg\_stdio\_src().

## Mac

---

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.\*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install\_name\_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

=====

Using libjpeg-turbo in Your Own Programs

=====

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un\*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

```
CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}
```

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

```
CPATH=/c/libjpeg-turbo-gcc[64]/include
and
LIBRARY_PATH=/c/libjpeg-turbo-gcc[64]/lib
```

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un\*x systems, you would still need to manipulate LD\_LIBRARY\_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass `-R /opt/libjpeg-turbo/{lib}` to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un\*x or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

```
-Wl,-Bstatic -ljpeg -Wl,-Bdynamic
```

On OS X, simply add `/opt/libjpeg-turbo/lib/libjpeg.a` to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add `c:\libjpeg-turbo[64]\include` to the system or user INCLUDE environment variable and `c:\libjpeg-turbo[64]\lib` to the system or user LIB environment variable, and then link against either `jpeg.lib` (to use the DLL version of libjpeg-turbo) or `jpeg-static.lib` (to use the static version of libjpeg-turbo.)

```
=====
Colorspace Extensions
=====
```

libjpeg-turbo includes extensions that allow JPEG images to be compressed

directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

```
JCS_EXT_RGB /* red/green/blue */
JCS_EXT_RGBX /* red/green/blue/x */
JCS_EXT_BGR /* blue/green/red */
JCS_EXT_BGRX /* blue/green/red/x */
JCS_EXT_XBGR /* x/blue/green/red */
JCS_EXT_XRGB /* x/red/green/blue */
JCS_EXT_RGBA /* red/green/blue/alpha */
JCS_EXT_BGRA /* blue/green/red/alpha */
JCS_EXT_ABGR /* alpha/blue/green/red */
JCS_EXT_ARGB /* alpha/red/green/blue */
```

Setting `cinfo.in_color_space` (compression) or `cinfo.out_color_space` (decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

```
#ifdef JCS_EXTENSIONS
```

At run time, attempting to use these extensions with a libjpeg implementation that does not support them will result in a "Bogus input colorspace" error.

Applications

can trap this error in order to test whether run-time support is available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspace during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X byte to be used as an alpha channel, then it should specify `JCS_EXT_RGBA`, `JCS_EXT_BGRA`, `JCS_EXT_ABGR`, or `JCS_EXT_ARGB`. When these colorspace constants are used, the X byte is guaranteed to be `0xFF`, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:

```
#ifdef JCS_ALPHA_EXTENSIONS
```

`jcstest.c`, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

```
=====
```

## libjpeg v7 and v8 API/ABI Emulation

=====

With libjpeg

v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By

passing an argument of `--with-jpeg7` or `--with-jpeg8` to configure, or an argument of `-DWITH_JPEG7=1` or `-DWITH_JPEG8=1` to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:

-----

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor

libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers

See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance

Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience

purposes. It has always been possible to implement this feature with libjpeg v6b (see `rdswitch.c` for an example.)

- cjpeg: 32-bit BMP support
- cjpeg: -rgb option
- jpegtran: lossless cropping
- jpegtran: -perfect option
- jpegtran: forcing width/height when performing lossless crop
- rdjpgcom: -raw option
- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at <http://www.libjpeg-turbo.org/About/SmartScale> and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

- libjpeg: DCT scaling in compressor  
cinfo.scale\_num and cinfo.scale\_denom are silently ignored.  
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

- libjpeg: SmartScale  
cinfo.block\_size is silently ignored.  
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

- libjpeg: Fancy downsampling in compressor  
cinfo.do\_fancy\_downsampling is silently ignored.

This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling

This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files

This requires the SmartScale feature, which is not supported.

What About libjpeg v9?

-----

libjpeg v9 introduced yet another field to the JPEG compression structure (color\_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish

anything that can't already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

=====

#### In-Memory Source/Destination Managers

=====

By default, libjpeg-turbo 1.3 and later includes the jpeg\_mem\_src() and jpeg\_mem\_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don't, and

it allows those functions to be provided in the "official" libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg v6b or v7 API can pass an argument of --without-mem-srcdst to configure or an argument of -DWITH\_MEM\_SRCDEST=0 to CMake prior to building libjpeg-turbo.

This will restore the pre-1.3 behavior, in which jpeg\_mem\_src() and jpeg\_mem\_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un\*x systems, including the in-memory source/destination managers changes the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un\*x systems, the dynamic linker will not look for a function in a library until that function is actually used. Thus, if a program is built against libjpeg-turbo 1.3+ and uses jpeg\_mem\_src() or jpeg\_mem\_dest(), that program will not fail if run against an older version of libjpeg-turbo or against

libjpeg v7- until the program actually tries to call jpeg\_mem\_src() or jpeg\_mem\_dest(). Such is not the case on Windows. If a program is built against the libjpeg-turbo 1.3+ DLL and uses jpeg\_mem\_src() or jpeg\_mem\_dest(), then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory source/destination manager functions. See their respective man pages for more details.

```
*****  
**  Mathematical Compatibility  
*****
```

For the most part, libjpeg-turbo should produce identical output to libjpeg v6b. The one exception to this is when using the floating point DCT/IDCT, in which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.
- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.
- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

\*\*\*\*\*  
\*\* Performance Pitfalls  
\*\*\*\*\*

=====  
Restart Markers  
=====

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

=====  
Fast Integer Forward DCT at High Quality Levels  
=====

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/README-turbo.txt  
No license file was found, but licenses were detected in source scan.

/\*  
\* jdphuff.c  
\*  
\* Copyright (C) 1995-1997, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.



\*  
\* This file contains Huffman entropy decoding routines for progressive JPEG.  
\*  
\* Much of the complexity here has to do with supporting input suspension.  
\* If the data source module demands suspension, we want to be able to back  
\* up to the start of the current MCU. To do this, we copy state variables  
\* into local working storage, and update them back to the permanent  
\* storage only upon successful completion of an MCU.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdphuff.c  
No license file was found, but licenses were detected in source scan.

/\*  
\* jcmaster.c  
\*  
\* This file was part of the Independent JPEG Group's software:  
\* Copyright (C) 1991-1997, Thomas G. Lane.  
\* Modified 2003-2010 by Guido Vollbeding.  
\* Modifications:  
\* Copyright (C) 2010, D. R. Commander.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains master control logic for the JPEG compressor.  
\* These routines are concerned with parameter validation, initial setup,  
\* and inter-pass control (determining the number of passes and the work  
\* to be done in each pass).  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcmaster.c  
No license file was found, but licenses were detected in source scan.

/\*  
\* jcarith.c  
\*  
\* Developed 1997-2009 by Guido Vollbeding.  
\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains portable arithmetic entropy encoding routines for JPEG  
\* (implementing the ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81).  
\*  
\* Both sequential and progressive modes are supported in this single module.  
\*/

\* Suspension is not currently supported in this module.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcarith.c

No license file was found, but licenses were detected in source scan.

/\*

\* jpegcomp.h

\*

\* Copyright (C) 2010, D. R. Commander

\* For conditions of distribution and use, see the accompanying README file.

\*

\* JPEG compatibility macros

\* These declarations are considered internal to the JPEG library; most

\* applications using the library shouldn't need to include this file.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegcomp.h

No license file was found, but licenses were detected in source scan.

/\*

\* transupp.h

\*

\* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains declarations for image transformation routines and

\* other utility code used by the jpegtran sample application. These are

\* NOT part of the core JPEG library. But we keep these routines separate

\* from jpegtran.c to ease the task of maintaining jpegtran-like programs

\* that have other user interfaces.

\*

\* NOTE: all the routines declared here have very specific requirements

\* about when they are to be executed during the reading and writing of the

\* source and destination files. See the comments in transupp.c, or see

\* jpegtran.c for an example of correct usage.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/transupp.h

No license file was found, but licenses were detected in source scan.

```
/*
 * jccolext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input colorspace conversion routines.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccolext.c
```

No license file was found, but licenses were detected in source scan.

```
{\rtf1\ansi\ansicpg1252\cocoartf1038\cocoasubrtf360
{\fonttbl{\f0\fswiss\fcharset0 Helvetica;}
{\colortbl;\red255\green255\blue255;}
\margl1440\margr1440\vieww26380\viewh15840\viewkind0
\defstab720
\pard\pardefstab720\ql\qnatural
```

\f0\fs24 \cf0 libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.\

\

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.\

\

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.\

}

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/release/ReadMe.rtf
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```

* rdppm.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2009 by Bill Allombert, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed PPM format).
*/
/* Portions of
this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
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** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdppm.c
No license file was found, but licenses were detected in source scan.

/*
* jdatadst.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains compression data destination routines for the case of

```

\* emitting JPEG data to memory or to a file (or any stdio stream).  
\* While these routines are sufficient for most applications,  
\* some will want to use a different destination manager.  
\* IMPORTANT: we assume that fwrite() will correctly transcribe an array of  
\* JOCTETs into 8-bit-wide elements on external storage. If char is wider  
\* than 8 bits on your machine, you may need to do some tweaking.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatadst.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jcphuff.c

\*

\* Copyright (C) 1995-1997, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains Huffman entropy encoding routines for progressive JPEG.

\*

\* We do not support output suspension in this module, since the library

\* currently does not allow multiple-scan files to be written with output

\* suspension.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcphuff.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jidctint.c

\*

\* Copyright (C) 1991-1998, Thomas G. Lane.

\* Modification developed 2002-2009 by Guido Vollbeding.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains a slow-but-accurate integer implementation of the

\* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine

\* must also perform dequantization of the input coefficients.

\*

\* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT

\* on each row (or vice versa, but it's more convenient to emit a row at

\* a time). Direct algorithms are also available, but they are much more

\* complex and seem not to be any faster when reduced to code.

\*  
 \* This implementation is based on an algorithm described in  
 \* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT  
 \* Algorithms with 11 Multiplications",  
 Proc. Int'l. Conf. on Acoustics,  
 Speech, and Signal Processing 1989 (ICASSP '89), pp. 988-991.  
 \* The primary algorithm described there uses 11 multiplies and 29 adds.  
 \* We use their alternate method with 12 multiplies and 32 adds.  
 \* The advantage of this method is that no data path contains more than one  
 \* multiplication; this allows a very simple and accurate implementation in  
 \* scaled fixed-point arithmetic, with a minimal number of shifts.  
 \*  
 \* We also provide IDCT routines with various output sample block sizes for  
 \* direct resolution reduction or enlargement without additional resampling:  
 \* NxN (N=1...16) pixels for one 8x8 input DCT block.  
 \*  
 \* For N<8 we simply take the corresponding low-frequency coefficients of  
 \* the 8x8 input DCT block and apply an NxN point IDCT on the sub-block  
 \* to yield the downscaled outputs.  
 \* This can be seen as direct low-pass downsampling from the DCT domain  
 \* point of view rather than the usual spatial domain point of view,  
 \* yielding significant computational savings and results at least  
 \* as good as common bilinear (averaging) spatial downsampling.  
 \*  
 \* For N>8 we apply a partial NxN IDCT on the 8 input coefficients as  
 \* lower frequencies and higher frequencies assumed to be zero.  
 \* It turns out that the computational effort is similar to the 8x8 IDCT  
 \* regarding the output size.  
 \* Furthermore, the scaling and descaling is the same for all IDCT sizes.  
 \*  
 \* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases  
 \* since there would be too many additional constants to pre-calculate.  
 \*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
 archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctint.c  
 No license file was found, but licenses were detected in source scan.

/\*

\* simd/jsimd.h

\*

\* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

\* Copyright 2011 D. R. Commander

\*

\* Based on the x86 SIMD extension for IJG JPEG library,

\* Copyright (C) 1999-2006, MIYASAKA Masaru.

\* For conditions of distribution and use, see copyright notice in jsimdext.inc

\*  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd.h

No license file was found, but licenses were detected in source scan.

/\*

\* jmemsys.h

\*

\* Copyright (C) 1992-1997, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This include file defines the interface between the system-independent  
\* and system-dependent portions of the JPEG memory manager. No other  
\* modules need include it. (The system-independent portion is jmemmgr.c;  
\* there are several different versions of the system-dependent portion.)

\*

\* This file works as-is for the system-dependent memory managers supplied  
\* in the IJG distribution. You may need to modify it if you write a  
\* custom memory manager. If system-dependent changes are needed in  
\* this file, the best method is to #ifdef them based on a configuration  
\* symbol supplied in jconfig.h, as we have done with USE\_MSDOS\_MEMMGR  
\* and USE\_MAC\_MEMMGR.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemsys.h

No license file was found, but licenses were detected in source scan.

/\*

\* rdgif.c

\*

\* Copyright (C) 1991-1997, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains routines to read input images in GIF format.

\*

\*\*\*\*\*

\* NOTE: to avoid entanglements with Unisys' patent on LZW compression, \*

\* the ability to read GIF files has been removed from the IJG distribution. \*

\* Sorry about that. \*

\*\*\*\*\*

\*

\* We are required to state that  
\* "The Graphics Interchange Format(c) is the Copyright property of  
\* CompuServe Incorporated. GIF(sm) is a Service Mark property of  
\* CompuServe Incorporated."  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdgif.c  
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reasons for developing this free software was to help force convergence on

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/README  
No license file was found, but licenses were detected in source scan.

1.2.90 (1.3 beta1)

=====

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The `tjDecompressToYUV()` function now supports the `TJFLAG_FASTDCT` flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in `/usr/lib/i386-linux-gnu` for the TurboJPEG libraries in `/usr/lib32`. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.



[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass `-Djava.library.path=/usr/lib` to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with `'java -cp turbojpeg.jar TJBench'`.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)

[9] The width and height in the `-crop` argument passed to jpegtran can now be suffixed with "f" to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)

[11] Fixed a regression caused by 1.2.1[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.

[12] The in-memory source/destination managers (`jpeg_mem_src()` and `jpeg_mem_dest()`) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un\*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

[13] Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

## 1.2.1

=====

[1] Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

[2] When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

[3] Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

[4] Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVDQU instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

[6] Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form "%define' expects a macro identifier".

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0

=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM

was not able to find jsimdcfg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap

buffer whose size was not a multiple of 16 bytes.

This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See <http://crbug.com/72399> for more information.

[3] Added a compile-time macro (`LIBJPEG_TURBO_VERSION`) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of `jconfig.h` contained an `INLINE` macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into `config.h`.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.

[7] Added ARM v6 and ARM v7 architectures to `libjpeg.a` and `libturbojpeg.a` in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)

=====

[1] Added a Java wrapper for the TurboJPEG API. See `java/README` for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added

a function to the TurboJPEG API that performs lossless transforms.

This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest".)

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient version of TJBUFFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS\_EXT\_RGBX, JCS\_EXT\_BGRX, JCS\_EXT\_XBGR, or JCS\_EXT\_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

### 1.1.1

=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg\_read\_coefficients() whereby it would not initialize cinfo->image\_width and cinfo->image\_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.

[6] Eliminated excessive I/O overhead that occurred when reading BMP files in cjpeg.

[7] Eliminated errors in the output of cjpeg on Windows that occurred when the

application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

### 1.1.0

=====

[1] The algorithm used by the SIMD quantization function cannot produce correct results when the JPEG quality is  $\geq 98$  and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.

[4] Fixed visual artifacts in grayscale JPEG compression caused by a typo in the RGB-to-luminance lookup tables.

[5] The Windows distribution packages now include the libjpeg run-time programs (cjpeg, etc.)

[6] All packages now include jpgtest.

[7] The TurboJPEG dynamic library now uses versioned symbols.

[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ\_YUV flag.

### 1.0.90 (1.1 beta1)

=====

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.

[2] Created a new CMake-based build system for the Visual C++ and MinGW builds.

[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpgtest can now be used to test decompression performance with existing JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.

[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ\_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.

#### 1.0.1

=====

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE\_TYPES\_BROKEN macro should be defined.

#### 1.0.0

=====

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit

static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static

libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.

[4] Created a 32-bit supplementary package for amd64 Debian systems, which contains just the 32-bit libjpeg-turbo libraries.

[5] Moved the libraries from \*/lib32 to \*/lib in the i386 Debian package.

[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93

=====

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91

=====

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90

=====

Initial release

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/ChangeLog.txt

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USING THE IJG JPEG LIBRARY

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Modifications:

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For conditions of distribution and use, see the accompanying README file.

This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.

The file `example.c` provides heavily commented skeleton code for calling the JPEG library. Also see `jpeglib.h` (the include file to be used by application programs) for full details about data structures and function parameter lists. The library source code, of course, is the ultimate reference.

Note that there have been \*major\* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

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Abbreviated datastreams and multiple images

Special markers

Raw (downsampled) image data

Really raw data: DCT coefficients

Progress monitoring

Memory management  
Memory usage  
Library compile-time options  
Portability considerations  
Notes for MS-DOS implementors

You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.

## OVERVIEW

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Functions provided by the library  
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The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data.

For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *\*not\** provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:

- \* Hierarchical storage

\* Lossless

JPEG

\* DNL marker

\* Nonintegral subsampling ratios

We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage

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The rough outline of a JPEG compression operation is:

```
Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
    jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release
the JPEG compression object
```

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to `jpeg_write_scanlines()` from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object  
Specify the source of the compressed data (eg, a file)  
Call `jpeg_read_header()` to obtain image info  
Set parameters for decompression  
`jpeg_start_decompress(...);`  
while (scan lines remain to be read)  
  `jpeg_read_scanlines(...);`  
`jpeg_finish_decompress(...);`  
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to `jpeg_read_scanlines()`.

It is possible to abort an incomplete compression or decompression operation by calling `jpeg_abort()`; or, if you do not need to retain the JPEG object, simply release it by calling `jpeg_destroy()`.

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as `jpeg_destroy()` can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

## BASIC LIBRARY USAGE

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Data formats

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Before diving into procedural details, it is helpful to understand

the  
image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel). PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call.

It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS\_IN\_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS\_IN\_JSAMPLE = 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single

JSAMPLE per pixel;

its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details

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Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg\_compress\_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You

will also need a structure representing a JPEG error handler. The part of this that the library cares about is a "struct jpeg\_error\_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg\_error\_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg\_create\_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
```

```
jpeg_create_compress(&cinfo);
```

jpeg\_create\_compress allocates a small amount of memory, so it could fail if

you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

## 2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```

where the last line invokes the standard destination module.

**WARNING:** it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg\_start\_compress() and jpeg\_finish\_compress().

## 3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

```
image_width  Width of image, in pixels
image_height Height of image, in pixels
```

input\_components Number of color channels (samples per pixel)  
in\_color\_space Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input\_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in\_color\_space field must be assigned one of the J\_COLOR\_SPACE enum constants, typically JCS\_RGB or JCS\_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg\_set\_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in\_color\_space correctly before calling jpeg\_set\_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg\_start\_compress(). There's no harm in calling jpeg\_set\_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```
cinfo.image_width = Width; /* image width and height, in pixels */  
cinfo.image_height = Height;  
cinfo.input_components = 3; /* # of color components per pixel */  
cinfo.in_color_space = JCS_RGB; /* colorspace of input image */  
  
jpeg_set_defaults(&cinfo);  
/* Make optional parameter settings here */
```

4. jpeg\_start\_compress(...);

After you have established the data destination and set all the necessary source image info and other parameters, call jpeg\_start\_compress() to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```
jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream



will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called `jpeg_start_compress()`, you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)

```
jpeg_write_scanlines(...);
```

Now write all the required image data by calling `jpeg_write_scanlines()` one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently.

Examples of this can be found in the sample application `cjpeg`.

The library maintains a count of the number of scanlines written so far in the `next_scanline` field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "`while (cinfo.next_scanline < cinfo.image_height)`".

Code for this step depends heavily on the way that you store the source data. `example.c` shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

```
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}
```

`jpeg_write_scanlines()` returns the number of scanlines actually

written.

This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:

- \* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
- \* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.

In any case, the return value is the same as the change in the value of `next_scanline`.

## 6. `jpeg_finish_compress(...)`;

After all the image data has been written, call `jpeg_finish_compress()` to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination.

`jpeg_finish_compress()` also releases working memory associated with the JPEG object.

Typical code:

```
jpeg_finish_compress(&cinfo);
```

If

using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, `jpeg_finish_compress()` will perform the additional passes using data buffered by the first pass. In this case `jpeg_finish_compress()` may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call `jpeg_finish_compress()` before writing the necessary total number of scanlines. If you wish to abort compression, call `jpeg_abort()` as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call `jpeg_set_defaults()` to adjust for the new colorspace; and then

you'll need to repeat all of step 3.

## 7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling `jpeg_destroy_compress()`. This will free all subsidiary memory (regardless of the previous state of the object). Or you can call `jpeg_destroy()`, which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, `jpeg_destroy()` should be passed a `j_common_ptr`.)

If you allocated the `jpeg_compress_struct` structure from `malloc()`, freeing it is your responsibility --- `jpeg_destroy()` won't. Ditto for the error handler structure.

Typical code:

```
jpeg_destroy_compress(&cinfo);
```

## 8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

\* If you don't need the JPEG object any more, just call `jpeg_destroy_compress()` or `jpeg_destroy()` to release memory. This is legitimate at any point after calling `jpeg_create_compress()` --- in fact, it's safe even if `jpeg_create_compress()` fails.

\* If you want to re-use the JPEG object, call `jpeg_abort_compress()`, or call `jpeg_abort()` which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. `jpeg_abort()` is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call `term_destination()`. (See "Compressed data handling", below, for more about that.)

`jpeg_destroy()` and `jpeg_abort()` are the only safe calls to make on a JPEG object that has reported an error by calling `error_exit` (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

## Decompression details

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Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg\_decompress\_struct" and you call `jpeg_create_decompress()`. Error handling is exactly the same.

Typical code:

```
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

```
FILE * infile;
...
if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);
```

where the last line invokes the standard source module.

**WARNING:** it is critical that the binary compressed data be read unchanged.

On non-Unix systems the stdio library may perform newline translation or

otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg\_read\_header() and jpeg\_finish\_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg\_read\_header() to jpeg\_finish\_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg\_read\_header() to obtain image info.

Typical code for this step is just

```
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if

- \* A suspending data source is used --- in that case jpeg\_read\_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
- \* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg\_destroy() when you are done with the JPEG object, or call jpeg\_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

jpeg\_read\_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask

for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to `jpeg_read_header()`.

If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression.

You must set desired parameter values each time.

5. `jpeg_start_decompress(...)`;

Once the parameter values are satisfactory, call `jpeg_start_decompress()` to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

```
jpeg_start_decompress(&cinfo);
```

If you have requested a multi-pass operating mode, such as 2-pass color quantization, `jpeg_start_decompress()` will do everything needed before data output can begin. In this case `jpeg_start_decompress()` may

take quite a while

to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; `jpeg_start_decompress()` will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

`output_width` image width and height, as scaled

`output_height`

`out_color_components` # of color components in `out_color_space`

`output_components` # of color components returned per pixel

`colormap` the selected colormap, if any

`actual_number_of_colors` number of entries in colormap

`output_components` is 1 (a colormap index) when quantizing colors; otherwise it equals `out_color_components`. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image.

You will need `output_width * output_components`

JSAMPLEs per scanline in your output buffer, and a total of output\_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers \*before\* calling jpeg\_start\_decompress(). This is a little tricky since the output\_XXX fields are not normally valid then. You can make them valid by calling jpeg\_calc\_output\_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

```
6. while (scan lines remain to be read)
    jpeg_read_scanlines(...);
```

Now you can read the decompressed image data by calling jpeg\_read\_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg\_read\_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output\_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output\_scanline < cinfo.output\_height)". (Note that the test should NOT be against image\_height, unless you never use scaling. The image\_height field is the height of the original unscaled image.) The return value always equals the change in the value of output\_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg\_read\_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.

If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg\_read\_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must always provide a loop that calls jpeg\_read\_scanlines() repeatedly until the whole image has been read.

## 7. jpeg\_finish\_decompress(...);

After all the image data has been read, call `jpeg_finish_decompress()` to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

```
jpeg_finish_decompress(&cinfo);
```

If using the `stdio` source manager, don't forget to close the source `stdio` stream if necessary.

It is an error to call `jpeg_finish_decompress()` before reading the correct total number of scanlines. If you wish to abort decompression, call `jpeg_abort()` as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

## 8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling `jpeg_destroy_decompress()` or `jpeg_destroy()`. The previous discussion of destroying compression objects applies here too.

Typical code:

```
jpeg_destroy_decompress(&cinfo);
```

## 9. Aborting.

You can abort a decompression cycle by calling `jpeg_destroy_decompress()` or `jpeg_destroy()` if you don't need the JPEG object any more, or `jpeg_abort_decompress()` or `jpeg_abort()` if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

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Applications using the JPEG library should include the header file `jpeglib.h` to obtain



declarations of data types and routines. Before including `jpeglib.h`, include system headers that define at least the typedefs `FILE` and `size_t`. On ANSI-conforming systems, including `<stdio.h>` is sufficient; on older Unix systems, you may need `<sys/types.h>` to define `size_t`.

If the application needs to refer to individual JPEG library error codes, also include `jerror.h` to define those symbols.

`jpeglib.h` indirectly includes the files `jconfig.h` and `jmorecfg.h`. If you are installing the JPEG header files in a system directory, you will want to install all four files: `jpeglib.h`, `jerror.h`, `jconfig.h`, `jmorecfg.h`.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("`libjpeg.a`", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged.

The

supplied makefiles build `libjpeg.a` automatically (see `install.txt`).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *\*not\** guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the `jmemdos.c` memory manager back end; it

will try to grab extended memory for temp files, and that space will NOT be freed automatically. See `cjpeg.c` or `djpeg.c` for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the `stdio` library: only the default source/destination managers and error handler need it. You can use the library in a `stdio`-less environment if you replace those modules and use `jmemnobs.c` (or another memory manager of your own devising). More info about the minimum system library requirements may be found in `jininclude.h`.

## ADVANCED FEATURES

=====

## Compression parameter selection

-----

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call `jpeg_set_defaults()` first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling `cinfo` fields directly.

The helper routines are:

`jpeg_set_defaults (j_compress_ptr cinfo)`

This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field `in_color_space`, which must already be set in `cinfo`). Many applications will only need to use this routine and perhaps `jpeg_set_quality()`.

`jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)`

Sets the JPEG file's colorspace (field `jpeg_color_space`) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call `jpeg_set_colorspace()` before rather than after.

`jpeg_default_colorspace (j_compress_ptr cinfo)`

Selects an appropriate JPEG colorspace based on `cinfo->in_color_space`, and calls `jpeg_set_colorspace()`. This is actually a subroutine of `jpeg_set_defaults()`. It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

`jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)`

Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the `force_baseline` parameter is TRUE, then the quantization table

entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when `force_baseline` is `FALSE`, but other decoders may not be.

`jpeg_set_linear_quality` (`j_compress_ptr` cinfo, `int` scale\_factor, `boolean` force\_baseline)

Same as `jpeg_set_quality()` except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus `scale_factor = 100` reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. `force_baseline` again constrains the computed table entries to 1..255.

`int` `jpeg_quality_scaling` (`int` quality)

Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

`jpeg_default_qtables` (`j_compress_ptr` cinfo, `boolean` force\_baseline)  
[[libjpeg v7+ API/ABI emulation only]  
Set default quantization tables with linear `q_scale_factor[]` values (see below).

`jpeg_add_quant_table` (`j_compress_ptr` cinfo, `int` which\_tbl, `const unsigned int` \*basic\_table, `int` scale\_factor, `boolean` force\_baseline)

Allows an arbitrary quantization table to be created. `which_tbl` indicates which table slot to fill. `basic_table` points to an array of 64 unsigned ints given in normal array order. These values are multiplied by `scale_factor/100` and then clamped to the range 1..65535

(or to 1..255 if `force_baseline` is `TRUE`).

CAUTION: prior to library version 6a, `jpeg_add_quant_table` expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like `"#if JPEG_LIB_VERSION >= 61"` is the right test.

`jpeg_simple_progression` (`j_compress_ptr` cinfo)

Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

`J_DCT_METHOD` `dct_method`

Selects the algorithm used for the DCT step. Choices are:

`JDCT_ISLOW`: slow but accurate integer algorithm

`JDCT_IFAST`: faster, less accurate integer method

`JDCT_FLOAT`: floating-point method

`JDCT_DEFAULT`: default method (normally

`JDCT_ISLOW`)

`JDCT_FASTEST`: fastest method (normally `JDCT_IFAST`)

The `JDCT_FLOAT` method is very slightly more accurate than the `JDCT_ISLOW` method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The `JDCT_IFAST` method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. `JDCT_DEFAULT` and `JDCT_FASTEST` are macros configurable by each installation.

`J_COLOR_SPACE` `jpeg_color_space`

`int` `num_components`

The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using `jpeg_set_color_space()` if you want to change these.

`boolean` `optimize_coding`

`TRUE` causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore

costs a good deal of space and time. The default is

`FALSE`, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is `TRUE`, you need not supply Huffman tables at all, and any you do supply will be overwritten.

`unsigned int` `restart_interval`

`int` `restart_in_rows`

To emit restart markers in the JPEG file, set one of these nonzero.

Set `restart_interval` to specify the exact interval in MCU blocks.

Set `restart_in_rows` to specify the interval in MCU rows. (If `restart_in_rows` is not 0, then `restart_interval` is set after the

image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.  
NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

```
const jpeg_scan_info * scan_info
int num_scans
```

By default, scan\_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan\_info points to an array of scan definition records of length num\_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg\_simple\_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

```
int smoothing_factor
```

If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

```
boolean write_JFIF_header
```

If TRUE, a JFIF APP0 marker is emitted. jpeg\_set\_defaults() and jpeg\_set\_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

```
UINT8 JFIF_major_version
```

```
UINT8 JFIF_minor_version
```

The version number to be written into the JFIF marker. jpeg\_set\_defaults() initializes the version to 1.01 (major=minor=1). You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

```
UINT8 density_unit
```

```
UINT16 X_density
```

```
UINT16 Y_density
```

The resolution information to be written into the JFIF marker; not used otherwise. density\_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

```
boolean write_Adobe_marker
```

If TRUE, an Adobe APP14 marker is emitted. jpeg\_set\_defaults() and

jpeg\_set\_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write\_JFIF\_header and write\_Adobe\_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT\_TBL \* quant\_tbl\_ptrs[NUM\_QUANT\_TBLS]  
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg\_add\_quant\_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q\_scale\_factor[NUM\_QUANT\_TBLS]  
[libjpeg v7+ API/ABI emulation only]  
Linear quantization scaling factors (0-100, default 100) for use with jpeg\_default\_qtables().  
See rdswitch.c and cjpeg.c for an example of usage.  
Note that the q\_scale\_factor[] values use "linear" scales, so JPEG quality levels chosen by the user must be converted to these scales using jpeg\_quality\_scaling(). Here is an example that corresponds to cjpeg -quality 90,70:

```
jpeg_set_defaults(cinfo);  
  
/*  
Set luminance quality 90. */  
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);  
/* Set chrominance quality 70. */  
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);  
  
jpeg_default_qtables(cinfo, force_baseline);
```

CAUTION: Setting separate quality levels for chrominance and luminance is mainly only useful if chrominance subsampling is disabled. 2x2 chrominance subsampling (AKA "4:2:0") is the default, but you can explicitly disable subsampling as follows:

```
cinfo->comp_info[0].v_samp_factor = 1;  
cinfo->comp_info[0].h_samp_factor = 1;
```

JHUFF\_TBL \* dc\_huff\_tbl\_ptrs[NUM\_HUFF\_TBLS]  
JHUFF\_TBL \* ac\_huff\_tbl\_ptrs[NUM\_HUFF\_TBLS]  
Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the

JPEG sample tables by `jpeg_set_defaults()`. If you need to allocate more table structures, `jpeg_alloc_huff_table()` may be used. Note that optimal Huffman tables can be computed for an image by setting `optimize_coding`, as discussed above; there's seldom any need to mess with providing your own Huffman tables.

[libjpeg v7+ API/ABI emulation only]

The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image dimensions and the compression parameters by `jpeg_start_compress()`. You can also call `jpeg_calc_jpeg_dimensions()` to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

JDIMENSION `jpeg_width` Actual dimensions of output image.

JDIMENSION `jpeg_height`

Per-component parameters are stored in the struct `cinfo.comp_info[i]` for component number `i`. Note that components here refer to components of the JPEG color space, \*not\* the source image color space. A suitably large `comp_info[]` array is allocated by `jpeg_set_defaults()`; if you choose not to use that routine, it's up to you to allocate the array.

int `component_id`

The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int `h_samp_factor`

int `v_samp_factor`

Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int `quant_tbl_no`

Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int `dc_tbl_no`

int `ac_tbl_no`

DC and AC entropy coding table numbers. The default values are

0 for luminance components and 1 for chrominance components.

int component\_index

Must equal the component's index in comp\_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

#### Decompression parameter selection

-----

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg\_read\_header() and may be useful to the application in choosing decompression parameters:

JDIMENSION image\_width Width and height of image  
JDIMENSION image\_height  
int num\_components Number of color components  
J\_COLOR\_SPACE jpeg\_color\_space Colorspace of image  
boolean saw\_JFIF\_marker TRUE if a JFIF APP0 marker was seen  
UINT8 JFIF\_major\_version Version information from JFIF marker  
UINT8 JFIF\_minor\_version  
UINT8 density\_unit Resolution data from JFIF marker  
UINT16 X\_density  
UINT16 Y\_density  
boolean saw\_Adobe\_marker TRUE if an Adobe APP14 marker was seen  
UINT8 Adobe\_transform Color transform code from Adobe marker

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:



J\_COLOR\_SPACE out\_color\_space

Output color space. jpeg\_read\_header() sets an appropriate default based

on jpeg\_color\_space; typically it will be RGB or grayscale.

The application can change this field to request output in a different colorspace. For example, set it to JCS\_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

unsigned int scale\_num, scale\_denom

Scale the image by the fraction scale\_num/scale\_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize\_colors

If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize\_colors is TRUE.

int desired\_number\_of\_colors

Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two\_pass\_quantize

If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J\_DITHER\_MODE dither\_mode

Selects color dithering method. Supported values are:

JDITHER\_NONE no dithering: fast, very low quality

JDITHER\_ORDERED ordered dither: moderate speed and quality

JDITHER\_FS Floyd-Steinberg

dither: slow, high quality

Default is JDITHER\_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for

ordered dither when two\_pass\_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize\_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg\_read\_header(). The application can supply a color map by setting colormap non-NULL and setting actual\_number\_of\_colors to the map size. Otherwise, jpeg\_start\_decompress() selects a suitable color map and sets these two fields itself.

[Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

#### JSAMPARRAY colormap

The color map, represented as a 2-D pixel array of out\_color\_components rows and actual\_number\_of\_colors columns. Ignored if not quantizing.

CAUTION: if the JPEG library creates its own colormap, the storage pointed

to by this field is released by jpeg\_finish\_decompress().

Copy the colormap somewhere else first, if you want to save it.

int actual\_number\_of\_colors

The number of colors in the color map.

Additional decompression parameters that the application may set include:

J\_DCT\_METHOD dct\_method

Selects the algorithm used for the DCT step. Choices are the same as described above for compression.

boolean do\_fancy\_upsampling

If TRUE, do careful upsampling of chroma components. If FALSE, a faster but sloppier method is used. Default is TRUE. The visual impact of the sloppier method is often very small.

boolean do\_block\_smoothing

If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look "fuzzy" with smoothing, "blocky" without.

In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using

buffered-image mode for progressive images.

boolean enable\_1pass\_quant

boolean enable\_external\_quant

boolean enable\_2pass\_quant

These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by `jpeg_start_decompress()`. You can also call `jpeg_calc_output_dimensions()` to obtain the values that will result from the current parameter settings.

This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers *\*before\** `jpeg_start_decompress()`.

JDIMENSION `output_width` Actual dimensions of output image.

JDIMENSION `output_height`

int `out_color_components` Number of color components in `out_color_space`.

int `output_components` Number  
of color components returned.

int `rec_outbuf_height` Recommended height of scanline buffer.

When quantizing colors, `output_components` is 1, indicating a single color map index per pixel. Otherwise it equals `out_color_components`. The output arrays are required to be `output_width * output_components` JSAMPLEs wide.

`rec_outbuf_height` is the recommended minimum height (in scanlines) of the buffer passed to `jpeg_read_scanlines()`. If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, `rec_outbuf_height` is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4).

If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring `rec_outbuf_height` so as to avoid data copying. (An output buffer larger than `rec_outbuf_height` lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces

-----

The

JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB  $\Leftrightarrow$  YCbCr and CMYK  $\Leftrightarrow$  YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand

additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field `in_color_space`. This is transformed to the JPEG file's color space given by `jpeg_color_space`. `jpeg_set_defaults()` chooses a reasonable JPEG color space depending on `in_color_space`, but you can override this by calling `jpeg_set_colorspace()`. Of course you must select a supported transformation. `jpegcolor.c` currently supports the following transformations:

RGB => YCbCr

RGB => GRAYSCALE

YCbCr => GRAYSCALE

CMYK => YCCK

plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB,

YCbCr => YCbCr, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. `jpeg_set_colorspace()` will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space.

For example, if you are

writing some random 3-component color space without conversion, don't try to fake out the library by setting `in_color_space` and `jpeg_color_space` to `JCS_YCbCr`; use `JCS_UNKNOWN`. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for `jpeg_set_colorspace()`, in `jcparam.c`, for details.

For decompression, the JPEG file's color space is given in `jpeg_color_space`, and this is transformed to the output color space `out_color_space`.

`jpeg_read_header's` setting of `jpeg_color_space` can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override `jpeg_read_header's` guess by setting `jpeg_color_space`. `jpeg_read_header` also

selects a default output color space based on (its guess of) `jpeg_color_space`; set `out_color_space` to override this. Again, you must select a supported transformation. `jpegcolor.c` currently supports

YCbCr => RGB

YCbCr => GRAYSCALE

RGB => GRAYSCALE

GRAYSCALE => RGB

YCKK => CMYK

as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an application can force grayscale JPEGs to look like color JPEGs if it only wants to handle one case.)

The two-pass color quantizer, `jquant2.c`, is specialized to handle RGB data (it weights distances appropriately for RGB colors). You'll need to modify the code if you want to use it for non-RGB output color spaces. Note that `jquant2.c` is used to map to an application-supplied colormap as well as for the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect.

This is arguably a bug in

Photoshop, but if you need to work with Photoshop

CMYK files, you will have to deal with it in your application. We cannot "fix" this in the library by inverting the data during the CMYK<=>YCKK transform, because that would break other applications, notably Ghostscript.

Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK data in the same inverted-YCKK representation used in bare JPEG files, but the surrounding PostScript code performs an inversion using the PS image operator. I am told that Photoshop 3.0 will write uninverted YCKK in EPS/JPEG files, and will omit the PS-level inversion. (But the data polarity used in bare JPEG files will not change in 3.0.) In either case, the JPEG library must not invert the data itself, or else Ghostscript would read these EPS files incorrectly.

## Error handling

-----

When the default error handler is used, any error detected inside the JPEG routines will cause a message to be printed on `stderr`, followed by `exit()`.

You

can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file `example.c` illustrates the most common case, which is to have the application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:

- \* Fatal errors: the library cannot continue.
- \* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
- \* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need.

This is accomplished by calling `jpeg_std_error()` as usual, but then overriding some of the method pointers in the `jpeg_error_mgr` struct, as illustrated by `example.c`.

All of the error handling routines will receive a pointer to the JPEG object (a `j_common_ptr` which points to either a `jpeg_compress_struct` or a `jpeg_decompress_struct`; if you need to tell which, test the `is_decompressor` field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the `jpeg_error_mgr` struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see `example.c` for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client\_data" in each JPEG object, which the application can also use to find related data. The library does not touch `client_data` at all.)

The individual methods that you might wish to override are:

`error_exit (j_common_ptr cinfo)`

Receives control for a fatal error. Information sufficient to generate the error message has been stored in `cinfo->err`; call `output_message` to display it. Control must NOT return to the caller; generally this routine will `exit()` or `longjmp()` somewhere. Typically you would override this routine to get rid of the `exit()` default behavior. Note that if you continue processing, you should clean up the JPEG object with `jpeg_abort()` or `jpeg_destroy()`.

`output_message (j_common_ptr cinfo)`

Actual output of any JPEG message. Override this to send messages somewhere other than `stderr`. Note that this method does not know how to generate a message, only where to send it.

`format_message (j_common_ptr cinfo, char * buffer)`

Constructs a readable error message string based on the error info stored in `cinfo->err`. This method is called by `output_message`. Few applications should need to override this method. One possible reason for doing so is to implement dynamic switching of error message language.

`emit_message (j_common_ptr cinfo, int msg_level)`

Decide whether or not to emit a warning or trace message; if so, calls `output_message`. The main reason for overriding this method would be to abort on warnings. `msg_level` is -1 for warnings, 0 and up for trace messages.

Only `error_exit()` and `emit_message()` are called from the rest of the JPEG library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to by the field `err->jpeg_message_table`. The messages are numbered from 0 to `err->last_jpeg_message`, and it is these code numbers that are used in the JPEG library code. You could replace the message texts (for instance, with messages in French or German)

by changing the message table pointer. See `jerror.h` for the default texts. CAUTION: this table will almost certainly change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are handled by the same mechanism. The error handler supports a second "add-on" message table for this purpose. To define an addon table, set the pointer `err->addon_message_table` and the message numbers `err->first_addon_message` and `err->last_addon_message`. If you number the addon messages beginning at 1000 or so, you won't have to worry about conflicts with the library's built-in messages. See the sample applications `cjpeg/djpeg` for an example of using addon messages (the addon messages are defined in `cderror.h`).

Actual invocation of the error handler is done via macros defined in `jerror.h`:

`ERREXITn(...)` for fatal errors

`WARNMSn(...)` for corrupt-data warnings

`TRACEMSn(...)` for trace and informational messages.

These macros store the message

code and any additional parameters into the

error handler struct, then invoke the `error_exit()` or `emit_message()` method.

The variants of each macro are for varying numbers of additional parameters.

The additional parameters are inserted into the generated message using standard `printf()` format codes.

See `jerror.h` and `jerror.c` for further details.

Compressed data handling (source and destination managers)

-----

The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a `stdio` stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source

manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

```
JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;    /* # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty\_output\_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

init\_destination (j\_compress\_ptr cinfo)  
Initialize destination. This is called by jpeg\_start\_compress() before any data is actually written. It must initialize next\_output\_byte and free\_in\_buffer. free\_in\_buffer must be initialized to a positive value.

empty\_output\_buffer (j\_compress\_ptr cinfo)  
This is called whenever the buffer has filled (free\_in\_buffer reaches zero). In typical applications, it should write out the \*entire\* buffer (use the saved start address and buffer length; ignore the current state of next\_output\_byte and free\_in\_buffer). Then reset the pointer & count to the start of the buffer, and



return TRUE indicating that the buffer has been dumped.  
free\_in\_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

term\_destination (j\_compress\_ptr cinfo)

Terminate destination --- called by jpeg\_finish\_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next\_output\_byte or free\_in\_buffer to determine how much data is in the buffer.

term\_destination() is NOT called by jpeg\_abort() or jpeg\_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg\_destination\_mgr struct, fill in its

method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg\_stdio\_dest() or jpeg\_mem\_dest() routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

```
const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer;      /* # of bytes remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill\_input\_buffer method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:

init\_source (j\_decompress\_ptr cinfo)

Initialize source. This is called by jpeg\_read\_header() before any data is actually read. Unlike init\_destination(), it may leave bytes\_in\_buffer set to 0 (in which case a fill\_input\_buffer() call will occur immediately).

fill\_input\_buffer (j\_decompress\_ptr cinfo)

This is called whenever bytes\_in\_buffer has reached zero and more data is wanted. In typical applications, it should read fresh data

into the buffer (ignoring the current state of `next_input_byte` and `bytes_in_buffer`), reset the pointer & count to the start of the buffer, and return `TRUE` indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. `bytes_in_buffer` **MUST** be set to a positive value if `TRUE` is returned. A `FALSE` return should only be used when I/O suspension is desired (this mode is discussed in the next section).

`skip_input_data`

(`j_decompress_ptr` cinfo, long num\_bytes)

Skip `num_bytes` worth of data. The buffer pointer and count should be advanced over `num_bytes` input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it's not clear that being smart is worth much trouble; large skips are uncommon. `bytes_in_buffer` may be zero on return. A zero or negative skip count should be treated as a no-op.

`resync_to_restart` (`j_decompress_ptr` cinfo, int desired)

This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to find a suitable point for resuming decompression. For most applications, we recommend that you just use the default resync procedure, `jpeg_resync_to_restart()`. However, if you are able to back up in the input data stream, or if you have a-priori knowledge about the likely location of restart markers, you may be able to do better. Read the `read_restart_marker()` and `jpeg_resync_to_restart()` routines in `jdmarker.c` if you think you'd like to implement your own resync procedure.

`term_source` (`j_decompress_ptr` cinfo)

Terminate source --- called by `jpeg_finish_decompress()` after all data has been read. Often a no-op.

For both `fill_input_buffer()` and `skip_input_data()`, there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via `ERREXIT()` or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. `jdatsrc.c` illustrates the recommended error recovery behavior.

`term_source()` is **NOT** called by `jpeg_abort()` or `jpeg_destroy()`. If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a `jpeg_source_mgr` struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the `jpeg_stdio_src()` or `jpeg_mem_src()` routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in `jdatasrc.c` and `jdatadst.c`.

#### I/O suspension

-----

Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine.

The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the `empty_output_buffer()` or `fill_input_buffer()` routine is a no-op, merely returning `FALSE` to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.

#### Compression suspension:

For compression suspension, use an `empty_output_buffer()` routine that returns `FALSE`; typically it will not do anything else. This will cause the compressor to return to the caller of `jpeg_write_scanlines()`, with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call `jpeg_write_scanlines()` again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although `empty_output_buffer()` is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of `next_output_byte/free_in_buffer`. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call `jpeg_write_scanlines()` unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

- \* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
- \* When you call `jpeg_finish_compress()`, there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling `jpeg_finish_compress()`.

A more significant restriction is that `jpeg_finish_compress()` cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during `jpeg_finish_compress()`, which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a `fill_input_buffer()` routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication

that suspension has occurred. This can happen at four places:

- \* `jpeg_read_header()`: will return `JPEG_SUSPENDED`.
- \* `jpeg_start_decompress()`: will return `FALSE`, rather than its usual `TRUE`.
- \* `jpeg_read_scanlines()`: will return the number of scanlines already completed (possibly 0).
- \* `jpeg_finish_decompress()`: will return `FALSE`, rather than its usual `TRUE`.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of `jpeg_read_scanlines()`, increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When `fill_input_buffer()` is called, `next_input_byte/bytes_in_buffer` point to the current restart point, which is where the decompressor will backtrack to if `FALSE` is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The `skip_input_data()` source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement `bytes_in_buffer` to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then `skip_input_data()` must set `bytes_in_buffer` to zero and record the additional skip distance somewhere else. The decompressor will immediately call `fill_input_buffer()`, which should return `FALSE`, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within `fill_input_buffer()`; the latter is probably more efficient. If `fill_input_buffer()` knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return `TRUE` just as though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the

longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn

markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling `skip_input_data()`. In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on `skip_input_data`'s shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having `empty_output_buffer()` or `fill_input_buffer()` set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when `fill_input_buffer()` is

called, the current pointer & count indicate the backtrack restart point. Since `fill_input_buffer()` will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to `fill_input_buffer()` occurs in the same library call, and no additional input data is available, so `fill_input_buffer` must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then \*the correct restart point is the saved position in the prior buffer\*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a `skip_input_data()` call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when `fill_input_buffer()` is called, move any

unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

## Progressive JPEG support

-----

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan

script" defining how to divide the data into scans.

Creation of progressive JPEG files is otherwise transparent to the encoder.

Progressive JPEG files can also be read transparently by the decoder library.

If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc.

The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

## Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file),

set the scan\_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg\_simple\_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may

wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan\_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg\_write\_scanlines() is called, and will emit all the requested scans during jpeg\_finish\_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg\_finish\_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

#### Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg\_start\_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg\_start\_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

#### Buffered-image mode

-----

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.



The basic control flow for buffered-image decoding is

```
jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE; /* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output() /* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output() /* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
```

This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition

is typically

```
while (! jpeg_input_complete(&cinfo))
```

and the start-output call should read

```
jpeg_start_output(&cinfo, cinfo.input_scan_number);
```

The second parameter to `jpeg_start_output()` indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and `jpeg_finish_output()` advances to the next scan or end-of-image marker (hence `input_scan_number` will be incremented by the time control arrives back at `jpeg_start_output()`). With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the `jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output()` sequence.

For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This

is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call `jpeg_finish_decompress()` to release the buffered image (or just use `jpeg_destroy_decompress()`).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine `jpeg_consume_input()`.

The return value is one of the following:

`JPEG_REACHED_SOS`:

reached an SOS marker (the start of a new scan)

`JPEG_REACHED_EOI`: reached the EOI marker (end of image)

`JPEG_ROW_COMPLETED`: completed reading one MCU row of compressed data

`JPEG_SCAN_COMPLETED`: completed reading last MCU row of current scan

`JPEG_SUSPENDED`: suspended before completing any of the above

(`JPEG_SUSPENDED` can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return `JPEG_REACHED_EOI` without attempting to read more data.)

The library's output processing will automatically call `jpeg_consume_input()` whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to `jpeg_consume_input()`. But by adding calls to `jpeg_consume_input()`, you can absorb data in advance of what is being displayed.

This has two benefits:

- \* You can limit buildup of unprocessed data in your input buffer.
- \* You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to `jpeg_consume_input()` with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call `jpeg_consume_input()` only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG library currently is not thread-safe. You must not call `jpeg_consume_input()` from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass

`cinfo.input_scan_number`

as the target scan number to `jpeg_start_output()`.

The `input_scan_number` field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling `jpeg_start_output()`: call `jpeg_consume_input()` repeatedly until it returns `JPEG_SUSPENDED` or `JPEG_REACHED_EOI`.

The target scan number passed to `jpeg_start_output()` is saved in the `cinfo.output_scan_number` field. The library's output processing calls `jpeg_consume_input()` whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what `jpeg_start_decompress()` does when you don't select buffered-image mode.) When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, `jpeg_consume_input()` will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving

data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```
do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);
```

rather than quitting as soon as `jpeg_input_complete()` returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo)
    &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}
```

In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the `JPEG_REACHED_EOI` return code from `jpeg_consume_input()`, or equivalently by testing `jpeg_input_complete()`.) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call `jpeg_finish_output()` and then start a new pass with `jpeg_start_output()`.

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting `JPEG_REACHED_SOS` returns and/or examining `cinfo.input_scan_number`. This idea should be employed with caution, however, since the display process

might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the

parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call `jpeg_consume_input()` until it returns `JPEG_REACHED_SOS` or `JPEG_REACHED_EOI`. Or just use the next higher number as the target scan for `jpeg_start_output()`; but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, `jpeg_start_decompress()` never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:

- \* `jpeg_start_output()` performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
- \* `jpeg_read_scanlines()`, as always, returns the number of scanlines that it was able to produce before suspending.
- \* `jpeg_finish_output()` will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if `jpeg_consume_input()` has already reached the end of the file or a SOS marker beyond the target output scan.)
- \* `jpeg_finish_decompress()` will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling `jpeg_input_complete()`).

`jpeg_start_output()`, `jpeg_finish_output()`, and `jpeg_finish_decompress()` all return `TRUE` if they completed their tasks, `FALSE` if they had to suspend. In the event of a `FALSE` return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters.

ONLY THE FOLLOWING parameter changes are allowed after `jpeg_start_decompress()` is called:

- \* `dct_method` can be changed before each call to `jpeg_start_output()`.  
For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.
- \* `dither_mode` can be changed before each call to `jpeg_start_output()`;  
of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial `max_memory_to_use` specification to be exceeded, which in the worst case would result in an out-of-memory failure.
- \* `do_block_smoothing` can be changed before each call to `jpeg_start_output()`.  
This setting is relevant only when decoding a progressive JPEG image.

During the first DC-only scan, block smoothing provides a very "fuzzy" look instead of the very "blocky" look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.

- \* Color quantization mode can be changed under the rules described below. You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.  
Selected by `cinfo.two_pass_quantize = FALSE` and `cinfo.colormap = NULL`.
2. Single-pass quantization to an application-supplied colormap.  
Selected by setting `cinfo.colormap` to point to the colormap (the value of `two_pass_quantize` is ignored); also set `cinfo.actual_number_of_colors`.
3. Two-pass quantization to a colormap chosen specifically for the image.  
Selected by `cinfo.two_pass_quantize = TRUE` and `cinfo.colormap = NULL`. (This is the default setting selected by `jpeg_read_header`, but it is probably NOT what you want for the first pass of progressive display!)  
These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

**IMPORTANT:** because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call `jpeg_start_decompress()`. (If we did not require this, the `max_memory_to_use` setting would be a complete fiction.)

You

do this by setting one or more of these three `cinfo` fields to `TRUE`:

`enable_1pass_quant` Fixed color cube colormap

`enable_external_quant` Externally-supplied colormap

`enable_2pass_quant` Two-pass custom colormap

All three are initialized FALSE by `jpeg_read_header()`. But `jpeg_start_decompress()` automatically sets TRUE the one selected by the current `two_pass_quantize` and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at `jpeg_start_decompress()` time, you can change to any enabled quantization method by setting `two_pass_quantize` and colormap properly just before calling `jpeg_start_output()`. The following special rules apply:

1. You must explicitly set `cinfo.colormap` to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call `jpeg_new_colormap()` after setting `cinfo.colormap`.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

(These requirements exist because `cinfo.colormap` will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during `jpeg_start_output()`, not during `jpeg_start_decompress()`.

When using two-pass quantization, `jpeg_start_output()` makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant

amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, `jpeg_start_output()` will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from `jpeg_start_output()` under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which `jpeg_start_output()` will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes

memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling `jpeg_has_multiple_scans()`, which will return a correct result at any time after `jpeg_read_header()` completes.

It is also worth noting that when you use `jpeg_consume_input()` to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager `jmemnobs.c` if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that `max_memory_to_use` is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use `jpeg_consume_input()` for all input processing, including reading the initial markers; that is, you may wish to call `jpeg_consume_input()` instead of `jpeg_read_header()` during startup. This works, but note that you must check for `JPEG_REACHED_SOS` and `JPEG_REACHED_EOI` return codes as the equivalent of `jpeg_read_header()`'s codes. Once the first SOS marker has been reached, you must call `jpeg_start_decompress()` before `jpeg_consume_input()` will consume more input; it'll just keep returning `JPEG_REACHED_SOS` until you do. If you read a tables-only file this way, `jpeg_consume_input()` will return `JPEG_REACHED_EOI` without ever returning `JPEG_REACHED_SOS`; be sure to check for this case. If this happens, the decompressor will not read any more input until you call `jpeg_abort()` to reset it. It is OK to call `jpeg_consume_input()` even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return `JPEG_SUSPENDED`.

Abbreviated  
datastreams and multiple images  
-----

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or



transmitted with identical tables, this may represent an annoying overhead.

The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

- \* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
- \* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
- \* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent\_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent\_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg\_start\_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg\_suppress\_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent\_table fields directly.

To create an abbreviated image, you must also call `jpeg_start_compress()` with a second parameter of `FALSE`, not `TRUE`. Otherwise `jpeg_start_compress()` will force all the `sent_table` fields to `FALSE`. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling `jpeg_start_compress()` and so on, call `jpeg_write_tables(&cinfo)`. This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their `sent_tables` flag is already `TRUE`, and then all the `sent_tables` flags will be set `TRUE`.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

```
create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);
```

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the `jpeg_start_compress()` ... `jpeg_finish_compress()` sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set `optimize_coding = TRUE` when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See `jpeg_copy_critical_parameters()` for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just

allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n]; /* quant_ptr is JQUANT_TBL* */

for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL* */
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set `cinfo.quant_tbl_ptrs[n]` to point directly at a constant `JQUANT_TBL` object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The `jpeg_read_header()` call is sufficient to read a tables-only file. You must pass a second parameter of `FALSE` to indicate that you do not require an image to be present. Thus, the typical scenario is

```
create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);
```

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass `FALSE` and check the return value from `jpeg_read_header()`: it will be `JPEG_HEADER_OK` if an image was found, `JPEG_HEADER_TABLES_ONLY` if only tables were found. (A third return value, `JPEG_SUSPENDED`,

is possible when using a suspending data source manager.)

Note that `jpeg_read_header()` will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in `jpeg_start_decompress()`.

It is possible to read a series of images from a single source file by repeating the `jpeg_read_header() ... jpeg_finish_decompress()` sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at `term_destination()` time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing `FALSE` to `jpeg_start_compress()`.

## Special markers

-----

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary

garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling `jpeg_write_marker()` after `jpeg_start_compress()` and before the first call to `jpeg_write_scanlines()`. When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG\_COM" for COM or "JPEG\_APP0 + n" for APPn. (Actually, `jpeg_write_marker` will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by `comment_text`:

```
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call `jpeg_write_m_header()` followed by multiple calls to `jpeg_write_m_byte()`. If you do it this way, it's your responsibility to call `jpeg_write_m_byte()` exactly the number of times given in the length parameter to `jpeg_write_m_header()`. (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set `cinfo.JFIF_minor_version = 2` so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension

markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:

1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling `jpeg_read_header()`, because the markers of interest will typically be near the head of the file and so will be scanned by `jpeg_read_header`. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call `jpeg_save_markers(cinfo, marker_code, length_limit)` where `marker_code` is the marker type to save, `JPEG_COM` or `JPEG_APP0+n`. (To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than `length_limit` data bytes, only `length_limit` bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set `length_limit` to `0xFFFF`; that is enough since marker lengths are only 16 bits. As a special case, setting `length_limit` to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After `jpeg_read_header()` completes, you can examine the special markers by following the `cinfo->marker_list` pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed `length_limit` for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation

within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which `jpeg_read_header` stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing `jpeg_read_header`, to ensure that the `max_memory_to_use` setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call `jpeg_finish_decompress` or `jpeg_abort`, at which point the memory is freed and the list is set to empty. (`jpeg_destroy` also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by `malloc()` limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling `jpeg_set_marker_processor()`. A marker processor routine must have the signature

```
boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)
```

Although the marker code is not explicitly passed, the routine can find it in `cinfo->unread_marker`. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in `jdmarker.c` for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling `jpeg_save_markers()`; that method doesn't interfere with the library's own processing of these markers.)

`jpeg_set_marker_processor()` and `jpeg_save_markers()` are mutually exclusive

--- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in `djpeg.c`. Also, see `jpegtran.c` for an example of using `jpeg_save_markers`.

Raw (downsampled) image data

-----

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that

you use the standard interface and simply set `jpeg_color_space = in_color_space` (or `jpeg_color_space = out_color_space` for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call `jpeg_write_raw_data()` in place of `jpeg_write_scanlines()`. Before calling `jpeg_start_compress()`, you must do the following:

- \* Set `cinfo->raw_data_in` to TRUE. (It is set FALSE by `jpeg_set_defaults()`.) This notifies the library that you will be supplying raw data.
- \* Ensure `jpeg_color_space` is correct --- an explicit `jpeg_set_colorspace()`



call is a good idea. Note that since color conversion is bypassed, `in_color_space` is ignored, except that `jpeg_set_defaults()` uses it to choose the default `jpeg_color_space` setting.

\* Ensure the sampling factors, `cinfo->comp_info[i].h_samp_factor` and `cinfo->comp_info[i].v_samp_factor`, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call `jpeg_write_raw_data()` in place of `jpeg_write_scanlines()`. The two routines work similarly except that `jpeg_write_raw_data` takes a `JSAMPIMAGE` data array rather than `JSAMPARRAY`. The scanlines count passed to and returned from `jpeg_write_raw_data` is measured in terms of the component with the largest `v_samp_factor`.

`jpeg_write_raw_data()` processes one MCU row per call, which is to say `v_samp_factor*DCTSIZE` sample rows of each component. The passed `num_lines` value must be at least `max_v_samp_factor*DCTSIZE`, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

`cinfo->comp_info[i].width_in_blocks*DCTSIZE` samples per row  
`cinfo->comp_info[i].height_in_blocks*DCTSIZE` rows in image  
after `jpeg_start_compress()` has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than `DCTSIZE` samples. An example may help here.

Assume 2h2v downsampling of YCbCr data, that is

`cinfo->comp_info[0].h_samp_factor = 2` for Y  
`cinfo->comp_info[0].v_samp_factor = 2`  
`cinfo->comp_info[1].h_samp_factor = 1` for Cb  
`cinfo->comp_info[1].v_samp_factor = 1`  
`cinfo->comp_info[2].h_samp_factor = 1` for Cr  
`cinfo->comp_info[2].v_samp_factor = 1`

and suppose that the nominal image dimensions (`cinfo->image_width` and `cinfo->image_height`) are 101x101 pixels. Then `jpeg_start_compress()` will compute `downsampled_width = 101` and `width_in_blocks = 13` for Y, `downsampled_width = 51` and `width_in_blocks = 7` for Cb and Cr (and the same for the height fields). You must pad the Y data to at least  $13*8 = 104$  columns and rows, the Cb/Cr data to at least  $7*8 = 56$  columns and rows. The MCU height is `max_v_samp_factor = 2` DCT rows so you must pass at least 16 scanlines on each call to `jpeg_write_raw_data()`, which is to say 16 actual

sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of  $7*16 = 112$  "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

#### Output

suspension is supported with raw-data compression: if the data destination module suspends, `jpeg_write_raw_data()` will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for rescaling or color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set `cinfo->raw_data_out = TRUE` before `jpeg_start_decompress()` (it is set `FALSE` by `jpeg_read_header()`). Be sure to verify that the color space and sampling factors are ones you can handle. Then call `jpeg_read_raw_data()` in place of `jpeg_read_scanlines()`. The decompression process is otherwise the same as usual.

#### `jpeg_read_raw_data()`

returns one MCU row per call, and thus you must pass a buffer of at least `max_v_samp_factor*DCTSIZE` scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, `jpeg_read_raw_data()` will return 0. You can also use buffered-image mode to read raw data in multiple passes.

#### Really raw data: DCT coefficients

-----

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a

multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do `jpeg_read_header()` as usual. But instead of calling `jpeg_start_decompress()` and `jpeg_read_scanlines()`, call `jpeg_read_coefficients()`. This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's `access_virt_barray` method (see Memory management, below, and also read `structure.txt`'s discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to `jpeg_write_coefficients()`.

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the `width_in_blocks` and `height_in_blocks` fields of the component's `comp_info` entry.) This is also the data format expected by `jpeg_write_coefficients()`.

When you are done using the virtual arrays, call `jpeg_finish_decompress()` to release the array storage and return the decompression object to an idle state; or just call `jpeg_destroy()` if you don't need to reuse the object.

If you use a suspending data source, `jpeg_read_coefficients()` will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call `jpeg_read_coefficients()` to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call `jpeg_read_coefficients()` after the last `jpeg_finish_output()` call. The arrays will be available for your use until you call `jpeg_finish_decompress()`.

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by `jpeg_read_coefficients()`, or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, `jpeg_write_coefficients()` is substituted for `jpeg_start_compress()` and `jpeg_write_scanlines()`. Thus the sequence is

- \* Create compression object
- \* Set all compression parameters as necessary
- \* Request virtual arrays
- if needed
- \* jpeg\_write\_coefficients()
- \* jpeg\_finish\_compress()
- \* Destroy or re-use compression object

jpeg\_write\_coefficients() is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to cinfo.num\_components.

The virtual arrays need only have been requested, not realized, before jpeg\_write\_coefficients() is called. A side-effect of jpeg\_write\_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg\_write\_coefficients(). The data is actually written out when you call jpeg\_finish\_compress(); jpeg\_write\_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg\_copy\_critical\_parameters(). This routine initializes all the compression parameters to default values (like jpeg\_set\_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg\_finish\_decompress().

jpeg\_write\_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg\_start\_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpeg\_suppress\_tables(), or set the tables' individual sent\_table flags, between calling jpeg\_write\_coefficients() and jpeg\_finish\_compress().

#### Progress monitoring

-----

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg\_read\_scanlines or jpeg\_write\_scanlines loop), any additional passes will occur inside jpeg\_finish\_compress or jpeg\_start\_decompress; those

routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of `jpeg_read_scanlines` or `jpeg_write_scanlines`, so don't pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct `jpeg_progress_mgr`, fill in its `progress_monitor` field with a pointer to your callback routine, and set `cinfo->progress` to point to the struct. The callback will be called whenever `cinfo->progress` is non-NULL. (This pointer is set to NULL by `jpeg_create_compress` or `jpeg_create_decompress`; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime `JPOOL_PERMANENT` will work nicely.) You can use the same callback routine for both compression and decompression.

The `jpeg_progress_mgr` struct contains four fields which are set by the library:

```
long pass_counter; /* work units completed in this pass */
long pass_limit; /* total number of work units in this pass */
int completed_passes; /* passes completed so far */
int total_passes; /* total number of passes expected */
```

During any one pass, `pass_counter` increases from 0 up to (not including) `pass_limit`; the step size is usually but not necessarily 1. The `pass_limit` value may change from one pass to another. The expected total number of passes is in `total_passes`, and the number of passes already completed is in `completed_passes`. Thus the fraction of work completed may be estimated as

$$\frac{\text{completed\_passes} + \text{pass\_counter}}{\text{pass\_limit}}$$

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, `pass_limit` can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets `total_passes` based on the assumption that there will be one more output pass if the input file end hasn't yet been read (`jpeg_input_complete()` isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that `total_passes` will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.

## Memory management

-----

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read `structure.txt`'s section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use `malloc()` and `free()` for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by `jpeg_finish_compress`, `jpeg_finish_decompress`, or `jpeg_abort`. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use `JPOOL_PERMANENT` to get storage that lasts as long as the JPEG object. Use `alloc_large` instead of `alloc_small` for anything bigger than a few Kbytes. There are also `alloc_sarray` and `alloc_barray` routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (`jmemnobs.c`), then no temporary files are used; virtual arrays are simply `malloc()`'d. Images bigger than memory can be processed only if your system supports virtual memory.

The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting `cinfo->mem->max_memory_to_use` after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before `jpeg_start_compress()` or `jpeg_start_decompress()` in order to have them counted against the max memory limit. Also keep in mind that space allocated with `alloc_small()` is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting `max_memory_to_use`.

If you use the `jmemname.c` or `jmemdos.c` memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with `jmemdos.c`, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either `jpeg_abort()` or `jpeg_destroy()` for any active JPEG objects. A handler is not needed with `jmemnobs.c`, and shouldn't be necessary with `jmemansi.c` or `jmemmac.c` either, since the C library is supposed to take care of deleting files made with `tmpfile()`.

## Memory usage

-----

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:

1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes \* width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG

file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.

4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use `jemmnobs` and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the `MEM_STATS` code in `jmemmgr.c`.

#### Library compile-time options

-----

A number of compile-time options are available by modifying `jmorecfg.h`.

The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define `BITS_IN_JSAMPLE` as 12 rather than 8. Note that this causes `JSAMPLE` to be larger than a char, so it affects the surrounding application's image data.

The sample applications `cjpeg` and `djpeg` can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit `cjpeg` or `djpeg`. (`install.txt` has more information about that.)

At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining `NEED_SHORT_EXTERNAL_NAMES` for just one of the copies. You'd have to access



the 8-bit and 12-bit copies  
from separate application source files. This is untested ... if you try it,  
we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode,  
in order to generate valid Huffman tables. This is necessary because our  
default Huffman tables only cover 8-bit data. If you need to output 12-bit  
files in one pass, you'll have to supply suitable default Huffman tables.  
You may also want to supply your own DCT quantization tables; the existing  
quality-scaling code has been developed for 8-bit use, and probably doesn't  
generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined  
by MAX\_COMPONENTS. The JPEG standard allows up to 255 components, but we  
expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve  
performance or reduce memory space by tweaking the various typedefs in  
jmorecfg.h.

In particular, on some RISC CPUs, access to arrays of "short"s  
is quite slow; consider trading memory for speed by making JCOEF, INT16, and  
UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int.  
You probably don't want to make JSAMPLE be int unless you have lots of memory  
to burn.

You can reduce the size of the library by compiling out various optional  
functions. To do this, undefine xxx\_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library;  
the standard error message table occupies about 5Kb. This is particularly  
reasonable for embedded applications where there's no good way to display  
a message anyway. To do this, remove the creation of the message table  
(jpeg\_std\_message\_table[]) from jerror.c, and alter format\_message to do  
something reasonable without it. You could output the numeric value of the  
message code number, for example. If you do this, you can also save a couple  
more K by modifying  
the TRACEMSn() macros in jerror.h to expand to nothing;  
you don't need trace capability anyway, right?

#### Portability considerations

-----

The JPEG library has been written to be extremely portable; the sample  
applications cjpeg and djpeg are slightly less so. This section summarizes  
the design goals in this area. (If you encounter any bugs that cause the  
library to be less portable than is claimed here, we'd appreciate hearing  
about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that

- char is at least 8 bits wide
- short is at least 16 bits wide
- int is at least 16 bits wide
- long is at least 32 bits wide

(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select\_file\_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED\_SHORT\_EXTERNAL\_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

-----

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/libjpeg.txt

No license file was found, but licenses were detected in source scan.

```
/*
 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * Speech, and Signal Processing 1989 (ICASSP '89), pp. 988-991.
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12
 * multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jfdctint.c
```

No license file was found, but licenses were detected in source scan.

#### TurboJPEG Java Wrapper

=====

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under `org/libjpegturbo/turbojpeg`. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of `libjpeg-turbo`.

`TJExample.java`, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

## Performance Pitfalls

-----

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-allocating the buffers is recommended.

## Installation Directory

-----

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD\_LIBRARY\_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path={path\_to\_JNI\_library} to java.

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/README  
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* jidctflt.c
```

```
*
```

```
* Copyright (C) 1994-1998, Thomas G. Lane.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains a floating-point implementation of the
```

```
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
```

```
* must also perform dequantization of the input coefficients.
```

```
*
```

```
* This implementation should be more accurate than either of the integer
```

\* IDCT implementations. However, it may not give the same results on all  
\* machines because of differences in roundoff behavior. Speed will depend  
\* on the hardware's floating point capacity.  
\*  
\* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT  
\* on each row (or vice versa, but it's more convenient to emit a row at  
\* a time). Direct algorithms are also available, but they are much more  
\* complex and seem not to  
\* be any faster when reduced to code.  
\*  
\* This implementation is based on Arai, Agui, and Nakajima's algorithm for  
\* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in  
\* Japanese, but the algorithm is described in the Pennebaker & Mitchell  
\* JPEG textbook (see REFERENCES section in file README). The following code  
\* is based directly on figure 4-8 in P&M.  
\* While an 8-point DCT cannot be done in less than 11 multiplies, it is  
\* possible to arrange the computation so that many of the multiplies are  
\* simple scalings of the final outputs. These multiplies can then be  
\* folded into the multiplications or divisions by the JPEG quantization  
\* table entries. The AA&N method leaves only 5 multiplies and 29 adds  
\* to be done in the DCT itself.  
\* The primary disadvantage of this method is that with a fixed-point  
\* implementation, accuracy is lost due to imprecise representation of the  
\* scaled quantization values. However, that problem does not arise if  
\* we  
\* use floating point arithmetic.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctflt.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jsimd\_none.c

\*

\* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

\* Copyright 2009-2011 D. R. Commander

\*

\* Based on the x86 SIMD extension for IJG JPEG library,

\* Copyright (C) 1999-2006, MIYASAKA Masaru.

\* For conditions of distribution and use, see copyright notice in jsimdext.inc

\*

\* This file contains stubs for when there is no SIMD support available.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-

archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimd\_none.c  
No license file was found, but licenses were detected in source scan.

```
/*
 * jcinit.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and
 * making an initialization call to each one.
 *
 * Logically, this code belongs in jcmaster.c. It's split out because
 * linking this routine implies linking the entire compression library.
 * For a transcoding-only application, we want to be able to use jcmaster.c
 * without linking in the whole library.
 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcinit.c
No license file was found, but licenses were detected in source scan.
```

```
/*
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 *
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 * modification, are permitted provided that the following conditions are met:
 *
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 * this list of conditions and the following disclaimer in the documentation
 * and/or other materials provided with the distribution.
 * - Neither the name of the libjpeg-turbo Project nor the names of its
 * contributors may be used to endorse or promote products derived from this
 * software without specific prior written permission.
 *
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 * AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
 * TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE
 * LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
```

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\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE  
\* POSSIBILITY OF SUCH DAMAGE.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tjbench.c  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tjunittest.c  
\*  
/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg.c  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg.h  
\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/java/TJBench.java

No license file was found, but licenses were detected in source scan.

/\*

\* jfdctflt.c

\*

\* Copyright (C) 1994-1996, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains a floating-point implementation of the

\* forward DCT (Discrete Cosine Transform).

\*

\* This implementation should be more accurate than either of the integer

\* DCT implementations. However, it may not give the same results on all

\* machines because of differences in roundoff behavior. Speed will depend

\* on the hardware's floating point capacity.

\*

\* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT

\* on each column. Direct algorithms are also available, but they are

\* much more complex and seem not to be any faster when reduced to code.

\*

\* This implementation is based on Arai, Agui, and Nakajima's algorithm for

\* scaled DCT. Their original paper (Trans. IEICE

E-71(11):1095) is in

\* Japanese, but the algorithm is described in the Pennebaker & Mitchell

\* JPEG textbook (see REFERENCES section in file README). The following code

\* is based directly on figure 4-8 in P&M.

\* While an 8-point DCT cannot be done in less than 11 multiplies, it is

\* possible to arrange the computation so that many of the multiplies are



\* simple scalings of the final outputs. These multiplies can then be  
\* folded into the multiplications or divisions by the JPEG quantization  
\* table entries. The AA&N method leaves only 5 multiplies and 29 adds  
\* to be done in the DCT itself.  
\* The primary disadvantage of this method is that with a fixed-point  
\* implementation, accuracy is lost due to imprecise representation of the  
\* scaled quantization values. However, that problem does not arise if  
\* we use floating point arithmetic.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jfdctflt.c  
No license file was found, but licenses were detected in source scan.

/\*  
\* jsimd\_arm.c  
\*  
\* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB  
\* Copyright 2009-2011 D. R. Commander  
\*  
\* Based on the x86 SIMD extension for IJG JPEG library,  
\* Copyright (C) 1999-2006, MIYASAKA Masaru.  
\* For conditions of distribution and use, see copyright notice in jsimdext.inc  
\*  
\* This file contains the interface between the "normal" portions  
\* of the library and the SIMD implementations when running on  
\* ARM architecture.  
\*  
\* Based on the stubs from 'jsimd\_none.c'  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/simd/jsimd\_arm.c  
No license file was found, but licenses were detected in source scan.

/\*  
\* jfdctfst.c  
\*  
\* Copyright (C) 1994-1996, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains a fast, not so accurate integer implementation of the  
\* forward DCT (Discrete Cosine Transform).  
\*  
\*/

\* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT  
\* on each column. Direct algorithms are also available, but they are  
\* much more complex and seem not to be any faster when reduced to code.  
\*  
\* This implementation is based on Arai, Agui, and Nakajima's algorithm for  
\* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in  
\* Japanese, but the algorithm is described in the Pennebaker & Mitchell  
\* JPEG textbook (see REFERENCES section in file README). The following code  
\* is based directly on figure 4-8 in P&M.  
\* While an 8-point DCT cannot be done in less  
\* than 11 multiplies, it is  
\* possible to arrange the computation so that many of the multiplies are  
\* simple scalings of the final outputs. These multiplies can then be  
\* folded into the multiplications or divisions by the JPEG quantization  
\* table entries. The AA&N method leaves only 5 multiplies and 29 adds  
\* to be done in the DCT itself.  
\* The primary disadvantage of this method is that with fixed-point math,  
\* accuracy is lost due to imprecise representation of the scaled  
\* quantization values. The smaller the quantization table entry, the less  
\* precise the scaled value, so this implementation does worse with high-  
\* quality-setting files than with low-quality ones.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jfdctfst.c  
No license file was found, but licenses were detected in source scan.

libjpeg-turbo note: This image was extracted from the 8-bit nightshot\_iso\_100  
image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008  
[http://www.imagecompression.info/test\\_images](http://www.imagecompression.info/test_images)

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and  
its about time they become a part of history only. They are too small, come from data sources too old and are  
available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are  
photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects  
of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

Images are available without any prohibitive copyright restrictions.

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Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Frhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser, Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]  
sachingarg@c10n.info

[www.sachingarg.com](http://www.sachingarg.com) | [www.c10n.info](http://www.c10n.info) | [www.imagecompression.info](http://www.imagecompression.info)

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/testimages/nightshot_iso_100.txt
```

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License: BSD-style

libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/libjpeg-  
turbo.spec.in
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* wrtle.c
```

```
*
```

```
* Copyright (C) 1991-1996, Thomas G. Lane.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains routines to write output images in RLE format.
```

```
* The Utah Raster Toolkit library is required (version 3.1 or later).
```

```
*
```

```
* These routines may need modification for non-Unix environments or
```

```
* specialized applications. As they stand, they assume output to
```

```
* an ordinary stdio stream.
```

```
*
```

```
* Based on code contributed by Mike Lijewski,
```

\* with updates from Robert Hutchinson.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrrle.c

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/\*

\* jpegtran.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.

\* Modifications:

\* Copyright (C) 2010, D. R. Commander.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains a command-line user interface for JPEG transcoding.

\* It is very similar to cjpeg.c, and partly to djpeg.c, but provides

\* lossless transcoding between different JPEG file formats. It also

\* provides some lossless and sort-of-lossless transformations of JPEG data.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegtran.c

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; For conditions of distribution and use, see copyright notice in jsimdext.inc

; more details.

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2int-64.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2int.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2int-64.asm

\*

/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimxint.asm

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2int.asm

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/\*

\* jdinput.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1991-1997, Thomas G. Lane.

\* Modifications:

\* Copyright (C) 2010, D. R. Commander.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains input control logic for the JPEG decompressor.

\* These routines are concerned with controlling the decompressor's input

\* processing (marker reading and coefficient decoding). The actual input

\* reading is done in jdmarker.c, jdhuuff.c, and jdphuff.c.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdinput.c

No license file was found, but licenses were detected in source scan.

/\*

\* rdrle.c

\*

\* Copyright (C) 1991-1996, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains routines to read input images in Utah RLE format.

\* The Utah Raster Toolkit library is required (version 3.1 or later).

\*

\* These routines may need modification for non-Unix environments or

\* specialized applications. As they stand, they assume input from

\* an ordinary stdio stream. They further assume that reading begins

\* at the start of the file; start\_input may need work if the

\* user interface has already read some data (e.g., to determine that

\* the file is indeed RLE format).

\*

\* Based on code contributed by Mike Lijewski,

\* with updates from Robert Hutchinson.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-

archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdrle.c

No license file was found, but licenses were detected in source scan.

/\*

\* rdbmp.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1994-1996, Thomas G. Lane.

\* Modified 2009-2010 by Guido Vollbeding.

\* Modifications:

\* Modified 2011 by Siarhei Siamashka.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains routines to read input images in Microsoft "BMP"

\* format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).

\* Currently, only 8-bit and 24-bit images are supported, not 1-bit or

\* 4-bit (feeding such low-depth images into JPEG would be silly anyway).

\* Also, we don't support RLE-compressed files.

\*

\* These routines may need modification for non-Unix environments or

\* specialized applications. As they stand, they assume input from

\* an ordinary stdio stream. They further assume that reading begins

\* at the start of the file; start\_input may need work if the

\* user interface has already

read some data (e.g., to determine that

\* the file is indeed BMP format).

\*

\* This code contributed by James Arthur Boucher.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdbmp.c

No license file was found, but licenses were detected in source scan.

/\*

\* jdapistd.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1994-1996, Thomas G. Lane.

\* Modifications:

\* Copyright (C) 2010, D. R. Commander.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains application interface code for the decompression half

\* of the JPEG library. These are the "standard" API routines that are

\* used in the normal full-decompression case. They are not used by a

\* transcoding-only application. Note that if an application links in

- \* jpeg\_start\_decompress, it will end up linking in the entire decompressor.
- \* We thus must separate this file from jdapimin.c to avoid linking the
- \* whole decompression library into a transcoder.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdapistd.c  
No license file was found, but licenses were detected in source scan.

/\*

\* rdjpgcom.c

\*

- \* Copyright (C) 1994-1997, Thomas G. Lane.
- \* Modified 2009 by Bill Allombert, Guido Vollbeding.
- \* This file is part of the Independent JPEG Group's software.
- \* For conditions of distribution and use, see the accompanying README file.

\*

- \* This file contains a very simple stand-alone application that displays
- \* the text in COM (comment) markers in a JFIF file.
- \* This may be useful as an example of the minimum logic needed to parse
- \* JPEG markers.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdjpgcom.c  
No license file was found, but licenses were detected in source scan.

/\*

\* rdtarga.c

\*

- \* Copyright (C) 1991-1996, Thomas G. Lane.
- \* This file is part of the Independent JPEG Group's software.
- \* For conditions of distribution and use, see the accompanying README file.

\*

- \* This file contains routines to read input images in Targa format.

\*

- \* These routines may need modification for non-Unix environments or
- \* specialized applications. As they stand, they assume input from
- \* an ordinary stdio stream. They further assume that reading begins
- \* at the start of the file; start\_input may need work if the
- \* user interface has already read some data (e.g., to determine that
- \* the file is indeed Targa format).

\*

- \* Based on code contributed by Lee Daniel Crocker.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdtarga.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jdmerge.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1994-1996, Thomas G. Lane.

\* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

\* Modifications:

\* Copyright (C) 2009, 2011, D. R. Commander.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains code for merged upsampling/color conversion.

\*

\* This file combines functions from jdsample.c and jdcolor.c;

\* read those files first to understand what's going on.

\*

\* When the chroma components are to be upsampled by simple replication

\* (ie, box filtering), we can save some work in color conversion by

\* calculating all the output pixels corresponding to a pair of chroma

\* samples at one time. In the conversion equations

\*  $R = Y + K1 * Cr$

\*  $G = Y + K2 * Cb + K3 * Cr$

\*  $B = Y + K4 * Cb$

\* only the Y term varies among the group of pixels corresponding  
to a pair

\* of chroma samples, so the rest of the terms can be calculated just once.

\* At typical sampling ratios, this eliminates half or three-quarters of the

\* multiplications needed for color conversion.

\*

\* This file currently provides implementations for the following cases:

\* YCbCr => RGB color conversion only.

\* Sampling ratios of 2h1v or 2h2v.

\* No scaling needed at upsample time.

\* Corner-aligned (non-CCIR601) sampling alignment.

\* Other special cases could be added, but in most applications these are

\* the only common cases. (For uncommon cases we fall back on the more

\* general code in jdsample.c and jdcolor.c.)

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmerge.c  
No license file was found, but licenses were detected in source scan.



```
/*
* jdpostct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the decompression postprocessing controller.
* This controller manages the upsampling, color conversion, and color
* quantization/reduction steps; specifically, it controls the buffering
* between upsample/color conversion and color quantization/reduction.
*
* If no color quantization/reduction is required, then this module has no
* work to do, and it just hands off to the upsample/color conversion code.
* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdpostct.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* jctrans.c
*
* Copyright (C) 1995-1998, Thomas G. Lane.
* Modified 2000-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains library routines for transcoding compression,
* that is, writing raw DCT coefficient arrays to an output JPEG file.
* The routines in jcapimin.c will also be needed by a transcoder.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jctrans.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* jdcoext.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, 2011, D. R. Commander.
```

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains output colorspace conversion routines.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcolext.c

No license file was found, but licenses were detected in source scan.

# Copyright (C)2009-2011 D. R. Commander. All Rights Reserved.

# Redistribution and use in source and binary forms, with or without

# modification, are permitted provided that the following conditions are met:

# - Redistributions of source code must retain the above copyright notice,

# this list of conditions and the following disclaimer.

# - Redistributions in binary form must reproduce the above copyright notice,

# this list of conditions and the following disclaimer in the documentation

# - Neither the name of the libjpeg-turbo Project nor the names of its

# software without specific prior written permission.

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/uninstall.in

No license file was found, but licenses were detected in source scan.

## IJG JPEG LIBRARY: CODING RULES

Copyright (C) 1991-1996, Thomas G. Lane.

This file is part of the Independent JPEG Group's software.

For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important to establish a common coding style. The goal of using similar coding styles is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and Brader). This document is available in the IJG FTP archive (see jpeg/doc/cstyle.ms.tbl.Z, or cstyle.txt.Z for those without nroff/tbl).

Block comments should be laid out thusly:

/\*

\* Block comments in this style.

\*/

We indent statements in K&R style, e.g.,

```
if (test) {
    then-part;
} else {
    else-part;
}
```

with two spaces per indentation

level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g., `multi_word_name` (not `multiWordName`). Preprocessor symbols and enum constants are similar but upper case (`MULTI_WORD_NAME`). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). `ansi2knr` is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

```
LOCAL(int *)
function_name (int a, char
               *b)
{
    code...
}
```

Note that each function definition must begin with `GLOBAL(type)`, `LOCAL(type)`, or `METHODDEF(type)`. These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

`ansi2knr` does not transform method declarations (function pointers in structs). We handle these with a macro `JMETHOD`, defined as

```
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist) type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist) type (*methodname) ()
#endif
```

which is used like this:

```
struct function_pointers {
    JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    JMETHOD(void, term_entropy_encoder, (void));
```

};

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations (see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size\_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size\_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.
2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg\_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED\_SHORT\_EXTERNAL\_NAMES is set.
3. Don't use global variables; anything that must be used in another module should be in the common data structures.
4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).
5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/coderules.txt  
No license file was found, but licenses were detected in source scan.

/\*

\* jerror.c

\*

\* Copyright (C) 1991-1998, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains simple error-reporting and trace-message routines.

\* These are suitable for Unix-like systems and others where writing to

\* stderr is the right thing to do. Many applications will want to replace

\* some or all of these routines.

\*

\* If you define USE\_WINDOWS\_MESSAGEBOX in jconfig.h or in the makefile,

\* you get a Windows-specific hack to display error messages in a dialog box.

\* It ain't much, but it beats dropping error messages into the bit bucket,

\* which is what happens to output to stderr under most Windows C compilers.

\*

\* These routines are used by both the compression and decompression code.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jerror.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jdarith.c

\*

\* Developed 1997-2009 by Guido Vollbeding.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains portable arithmetic entropy decoding routines for JPEG

\* (implementing the ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81).

\*

\* Both sequential and progressive modes are supported in this single module.

\*

\* Suspension is not currently supported in this module.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdarith.c

No license file was found, but licenses were detected in source scan.

/\*

\* jcdctmgr.c

\*

\* This file was part of the Independent JPEG Group's software:

\* Copyright (C) 1994-1996, Thomas G. Lane.

\* Modifications:

\* Copyright (C) 1999-2006, MIYASAKA Masaru.

\* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

\* Copyright (C) 2011 D. R. Commander

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains the forward-DCT management logic.

\* This code selects a particular DCT implementation to be used,

\* and it performs related housekeeping chores including coefficient

\* quantization.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcdctmgr.c

No license file was found, but licenses were detected in source scan.

/\*

\* jQuery JavaScript Library v1.3.2

\* <http://jquery.com/>

\*

\* Copyright (c) 2009 John Resig

\* Dual licensed under the MIT and GPL licenses.

\* <http://docs.jquery.com/License>

\*

\* Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)

\* Revision: 6246

\*/

/\*

\* Sizzle CSS Selector Engine - v0.9.3

\* Copyright 2009, The Dojo Foundation

\* Released under the MIT, BSD, and GPL Licenses.

\* More information: <http://sizzlejs.com/>

\*/

/\*

```

* jQuery UI 1.7.2
*
* Copyright (c) 2009 AUTHORS.txt (http://jqueryui.com/about)
* Dual licensed under the MIT (MIT-LICENSE.txt)
* and GPL (GPL-LICENSE.txt) licenses.
*
* http://docs.jquery.com/UI
*/
/**
* jQuery.ScrollTo - Easy element scrolling using jQuery.
* Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com
* Licensed under GPL license (http://www.opensource.org/licenses/gpl-license.php).
* Date: 2/8/2008
* @author Ariel Flesler
* @version 1.3.2
*/

```

#### Found

in path(s):

```

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/doc/html/jquery.js

```

No license file was found, but licenses were detected in source scan.

```

;
; jdct.inc - private declarations for forward & reverse DCT subsystems
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; Each IDCT routine is responsible for range-limiting its results and
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could
; be quite far out of range if the input data is corrupt, so a bulletproof
; range-limiting step is required. We use a mask-and-table-lookup method
; to do the combined operations quickly.
;
#define RANGE_MASK (MAXJSAMPLE * 4 + 3) ; 2 bits wider than legal samples

#define ROW(n,b,s) ((b)+(n)*(s))
#define COL(n,b,s) ((b)+(n)*(s)*DCTSIZE)

#define DWBLOCK(m,n,b,s) ((b)+(m)*DCTSIZE*(s)+(n)*sizeof_DWORD)

```

```
%define MMBLOCK(m,n,b,s) ((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
```

```
%define
```

```
XMMBLOCK(m,n,b,s) ((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)
```

```
;
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdct.inc  
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* jccoefct.c
```

```
*
```

```
* Copyright (C) 1994-1997, Thomas G. Lane.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains the coefficient buffer controller for compression.
```

```
* This controller is the top level of the JPEG compressor proper.
```

```
* The coefficient buffer lies between forward-DCT and entropy encoding steps.
```

```
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccoefct.c  
No license file was found, but licenses were detected in source scan.
```

Package: {\_\_PKGNAME}

Version: {\_\_VERSION}-{\_\_BUILD}

Section: misc

Priority: optional

Architecture: {\_\_ARCH}

Essential: no

Maintainer: The libjpeg-turbo Project [<http://www.libjpeg-turbo.org>]

Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG



API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/deb-  
control.tpl
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* jerror.h
```

```
*
```

```
* Copyright (C) 1994-1997, Thomas G. Lane.
```

```
* Modified 1997-2009 by Guido Vollbeding.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file defines the error and message codes for the JPEG library.
```

```
* Edit this file to add new codes, or to translate the message strings to
```

```
* some other language.
```

```
* A set of error-reporting macros are defined too. Some applications using
```

```
* the JPEG library may wish to include this file to get the error codes
```

```
* and/or the macros.
```

```
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jerror.h
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* jsimd_x86_64.c
```

```
*
```

```
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
```

```
* Copyright 2009-2011 D. R. Commander
```

```
*
```

```
* Based on the x86 SIMD extension for IJG JPEG library,
```

```
* Copyright (C) 1999-2006, MIYASAKA Masaru.
```

```
* For conditions of distribution and use, see copyright notice in jsimdext.inc
```

\*  
\* This file contains the interface between the "normal" portions  
\* of the library and the SIMD implementations when running on a  
\* x86\_64 architecture.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-  
1.2.90/simd/jsimd\_x86\_64.c

No license file was found, but licenses were detected in source scan.

/\*

\* jcsample.c

\*

\* Copyright (C) 1991-1996, Thomas G. Lane.

\* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file contains downsampling routines.

\*

\* Downsampling input data is counted in "row groups". A row group

\* is defined to be max\_v\_samp\_factor pixel rows of each component,

\* from which the downsampler produces v\_samp\_factor sample rows.

\* A single row group is processed in each call to the downsampler module.

\*

\* The downsampler is responsible for edge-expansion of its output data

\* to fill an integral number of DCT blocks horizontally. The source buffer

\* may be modified if it is helpful for this purpose (the source buffer is

\* allocated wide enough to correspond to the desired output width).

\* The caller (the prep controller) is

responsible for vertical padding.

\*

\* The downsampler may request "context rows" by setting need\_context\_rows

\* during startup. In this case, the input arrays will contain at least

\* one row group's worth of pixels above and below the passed-in data;

\* the caller will create dummy rows at image top and bottom by replicating

\* the first or last real pixel row.

\*

\* An excellent reference for image resampling is

\* Digital Image Warping, George Wolberg, 1990.

\* Pub. by IEEE Computer Society Press, Los Alamitos, CA. ISBN 0-8186-8944-7.

\*

\* The downsampling algorithm used here is a simple average of the source

\* pixels covered by the output pixel. The hi-falutin sampling literature

\* refers to this as a "box filter". In general the characteristics of a box

\* filter are not very good, but for the specific cases we normally use (1:1

\* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not  
\* nearly so bad. If you intend to use other sampling ratios,  
you'd be well  
\* advised to improve this code.  
\*  
\* A simple input-smoothing capability is provided. This is mainly intended  
\* for cleaning up color-dithered GIF input files (if you find it inadequate,  
\* we suggest using an external filtering program such as pnmconvol). When  
\* enabled, each input pixel P is replaced by a weighted sum of itself and its  
\* eight neighbors. P's weight is  $1-8*SF$  and each neighbor's weight is SF,  
\* where  $SF = (\text{smoothing\_factor} / 1024)$ .  
\* Currently, smoothing is only supported for 2h2v sampling factors.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcsample.c  
No license file was found, but licenses were detected in source scan.

/\*

\* rdcolmap.c

\*

\* Copyright (C) 1994-1996, Thomas G. Lane.

\* This file is part of the Independent JPEG Group's software.

\* For conditions of distribution and use, see the accompanying README file.

\*

\* This file implements djpeg's "-map file" switch. It reads a source image

\* and constructs a colormap to be supplied to the JPEG decompressor.

\*

\* Currently, these file formats are supported for the map file:

\* GIF: the contents of the GIF's global colormap are used.

\* PPM (either text or raw flavor): the entire file is read and

\* each unique pixel value is entered in the map.

\* Note that reading a large PPM file will be horrendously slow.

\* Typically, a PPM-format map file should contain just one pixel

\* of each desired color. Such a file can be extracted from an

\* ordinary image PPM file with ppmtomap(1).

\*

\* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not

\* currently implemented.

\*/

/\* Portions of this code are based on the PBMPLUS library, which is:

\*\*

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\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdcolmap.c  
No license file was found, but licenses were detected in source scan.

/\*

\* djpeg.c

\*

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\* Copyright (C) 1991-1997, Thomas G. Lane.

\* Modifications:

\* Copyright (C) 2010-2011, 2013, D. R. Commander.

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\*

\* This file contains a command-line user interface for the JPEG decompressor.

\* It should work on any system with Unix- or MS-DOS-style command lines.

\*

\* Two different command line styles are permitted, depending on the

\* compile-time switch TWO\_FILE\_COMMANDLINE:

\* djpeg [options] inputfile outputfile

\* djpeg [options] [inputfile]

\* In the second style, output is always to standard output, which you'd

\* normally redirect to a file or pipe to some other program. Input is

\* either from a named file or from standard input (typically redirected).

\* The second style is convenient on Unix but is unhelpful on systems that

\* don't support pipes.

Also, you MUST use the first style if your system

\* doesn't do binary I/O to stdin/stdout.

\* To simplify script writing, the "-outfile" switch is provided. The syntax

\* djpeg [options] -outfile outputfile inputfile

\* works regardless of which command line style is used.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/djpeg.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jdcoefct.c

\*

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\* Modifications:  
\* Copyright (C) 2010, D. R. Commander.  
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\*  
\* This file contains the coefficient buffer controller for decompression.  
\* This controller is the top level of the JPEG decompressor proper.  
\* The coefficient buffer lies between entropy decoding and inverse-DCT steps.  
\*  
\* In buffered-image mode, this controller is the interface between  
\* input-oriented processing and output-oriented processing.  
\* Also, the input side (only) is used when reading a file for transcoding.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcoefct.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jdtrans.c

\*

\* Copyright (C) 1995-1997, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains library routines for transcoding decompression,  
\* that is, reading raw DCT coefficient arrays from an input JPEG file.  
\* The routines in jdapimin.c will also be needed by a transcoder.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdtrans.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jcomapi.c

\*

\* Copyright (C) 1994-1997, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
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\*  
\* This file contains application interface routines that are used for both  
\* compression and decompression.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-

archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcomapi.c  
No license file was found, but licenses were detected in source scan.

```
/*
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 * (ISO/IEC IS 11544 and CCITT Recommendation ITU-T T.82).
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jaricom.c
No license file was found, but licenses were detected in source scan.
```

```
/*
 * jdmarker.c
 *
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 * Modifications:
 * Copyright (C) 2012, D. R. Commander.
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 *
 * This file contains routines to decode JPEG datastream markers.
 * Most of the complexity arises from our desire to support input
 * suspension: if not all of the data for a marker is available,
 * we must exit back to the application. On resumption, we reprocess
 * the marker.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmarker.c
No license file was found, but licenses were detected in source scan.
```

```
/*
 * jcapistd.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
```

\* This file is part of the Independent JPEG Group's software.  
\* For conditions of distribution and use, see the accompanying README file.  
\*  
\* This file contains application interface code for the compression half  
\* of the JPEG library. These are the "standard" API routines that are  
\* used in the normal full-compression case. They are not used by a  
\* transcoding-only application. Note that if an application links in  
\* jpeg\_start\_compress, it will end up linking in the entire compressor.  
\* We thus must separate this file from jcapimin.c to avoid linking the  
\* whole compression library into a transcoder.  
\*/

Found in path(s):

\*/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcapistd.c  
No license file was found, but licenses were detected in source scan.

/\*

\* wrbmp.c

/\*

\* Copyright (C) 1994-1996, Thomas G. Lane.  
\* This file is part of the Independent JPEG Group's software.  
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\*  
\* This file contains routines to write output images in Microsoft "BMP"  
\* format (MS Windows 3.x and OS/2 1.x flavors).  
\* Either 8-bit colormapped or 24-bit full-color format can be written.  
\* No compression is supported.  
\*  
\* These routines may need modification for non-Unix environments or  
\* specialized applications. As they stand, they assume output to  
\* an ordinary stdio stream.  
\*  
\* This code contributed by James Arthur Boucher.  
\*/

Found in path(s):

\*/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-  
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrbmp.c  
No license file was found, but licenses were detected in source scan.

/\*

\* jcmaint.c

/\*

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\* This file is part of the Independent JPEG Group's software.  
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\*  
\*/

- \* This file contains the main buffer controller for compression.
- \* The main buffer lies between the pre-processor and the JPEG compressor proper; it holds downsampled data in the JPEG colorspace.
- \*/

Found in path(s):

\*/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcmainct.c  
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/\*

\* jdatasrc-tj.c

\*

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\*

- \* This file contains decompression data source routines for the case of reading JPEG data from memory or from a file (or any stdio stream).
- \* While these routines are sufficient for most applications, some will want to use a different source manager.
- \* IMPORTANT: we assume that fread() will correctly transcribe an array of JOCTETs from 8-bit-wide elements on external storage. If char is wider than 8 bits on your machine, you may need to do some tweaking.

\*/

Found in path(s):

\*/opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatasrc-tj.c  
No license file was found, but licenses were detected in source scan.

/\*

\* cderror.h

\*

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\*

- \* This file defines the error and message codes for the cjpeg/djpeg applications. These strings are not needed as part of the JPEG library proper.
- \* Edit this file to add new codes, or to translate the message strings to some other language.

\*/



Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1007828089\_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cderror.h

# 1.341 free-type 2.8-14.el7

## 1.341.1 Available under license :

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#

# All lines in this file are patterns, including the comment lines; this

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# always starting with `./').

#

# Don't put empty lines into this file!

#

.gitignore

#

builds/unix/pkg.m4

#

docs/FTL.TXT

docs/GPLv2.TXT

#

include/freetype/internal/fthash.h

#

src/base/fthash.c

src/base/md5.c

src/base/md5.h

#

src/bdf/bdf.c

src/bdf/bdf.h

src/bdf/bdfdrivr.c

src/bdf/bdfdrivr.h

src/bdf/bdferror.h

src/bdf/bdflib.c

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

```
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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(any

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2006-Jan-27

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# 1.342 hazelcast-client-protocol 1.8.0

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# 1.343 quartz 2.3.2

## 1.344 nspr 4.21.0-1.el7

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## 1.349 security-provider 1.61

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<li>Gregor Leander <gl@bos-bremen.de>; - initial parsing of multiple sequence entries in an X.500 Name.</li>  
<li>Antoon Bosselaers <Antoon.Bosselaers@esat.kuleuven.ac.be>; - help with RipeMD320 implementation.</li>  
<li>Peter Sylvester <Peter.Sylvester@edelweb.fr>; - improvements to the ASN.1 BasicConstraints object.</li>  
<li>Doug <ummmmm@myrealbox.com>; - addition of isEncryptionKey method to OpenPGP public keys.</li>  
<li>Francois Staes <fstaes@netconsult.be>; - improvements to DEBitString, DERGeneralizedTime and initial implimentation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>  
<li>W.R. Dittmer <wdittmer@cs.vu.nl>; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPPKeyPair to fix nullpointer exception.</li>  
<li>Perez Paz Luis Alberto <laperez@banxico.org.mx>; - patch to use of BitString in X.500 name.</li>  
<li>James Wright <James\_Wright@harte-hanks.com>; - patches for dealing with "odd" ArmoredInputStreams.</li>  
<li>Jim Ford <jim@muirford.com>; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>  
<li>Michael Hausler <haeusler@ponton-consulting.de>; - extra aliases for provider.</li>  
<li>Sai Pullabhotla <psai@linoma.com>; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>  
<li>Joseph

Miller <Joseph@digweb.net.nz> - addition of ZeroBytePadding.</li>  
<li>Lars <xyz@sagemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.</li>  
<li>Jeroen van Vianen <jeroen@vanvianen.nl> - the Signed and Encrypted mail example.</li>  
<li>Jun Sun <JSun@diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>  
<li>Petr Dukem <pdukem@email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>  
<li>Filipe Silva <filipe.silva@wedoconsulting.com> - patch to fix overread issue in BCPGInputStream.</li>  
<li>Alpesh Parmar <alps@linuxmail.org> - patch for class cast problem in PGPPublicKey.getSignatures().</li>  
<li>Jay Gengelbach <jengelbach@webmethods.com> - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>  
<li>Doug  
<Doug@doug@tigerprivacy.com> - public key ring patches for ElGamal Signatures, problem key ring data.</li>  
<li>Matthew Mundy <mmundy1@umbc.edu> - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>  
<li>Tom Cargill <cargill@profcon.com> - spelling patch in provider.</li>  
<li>Breitenstrom Christian <C.Breitenstrom@systems.com> - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>  
<li>Zanotti Mirko <zanotti@cad.it> - patch to ordered equality test for X509Name.</li>  
<li>Nicola Scendoni <nscendoni@babelps.it> - patch to add sorting to CertPath validation.</li>  
<li>Ville Skyttä & <ville.skytta@iki.fi> - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>  
<li>Bruce Gordon <bruce.gordon@savvis.net>  
- patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>  
<li>Miles Whiteley <Miles.Whiteley@savvis.net> - "223" fix for BCPGInputStream new packets.</li>  
<li>Albert Moliner <amoliner@evintia.com> - initial TSP implementation.</li>  
<li>Carlos Lozano <carlos@evintia.com> - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>  
<li>Javier Delgado <javi@javi.codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.</li>  
<li>Joni Hahkala <joni.hahkala@cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-eege.org">EGEE project</a> for making the work available.</li>  
<li>Rolf Schillinger <rolf@sir-wum.de> - initial implementation of Attribute Certificate generation.</li>  
<li>Sergey  
Bahtin <Sergey\_Bahtin@yahoo.com> - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>  
<li>Franck Leroy <Franck.Leroy@keynectis.com> - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>  
<li>Atsuhiko Yamanaka <yumnk@jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>  
<li>Nickolay Bolshakov <tyrex@reksoft.ru> - patch for class cast exception in AuthorityInformationAccess class.</li>  
<li>Soren Hilmer <soren.hilmer@tietoenator.com> - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>

<li>Steve Mitchell &lt;mitchell&#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>

<li>Dirk Eisner &lt;D.Eisner&#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>

<li>Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>

<li>Matteo &lt;matartuso&#064libero.it&gt; - sequence patch to ASNIDump.</li>

<li>Andrew Paterson &lt;andrew.paterson&#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>

<li>Vladimir Molotkov &lt;vladimir.n.molotkov&#064intel.com&gt; - extensive provider exception handling compliance testing.</li>

<li>Florin Kollan &lt;adlocflo&#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>

<li>Pavel Vassiliev &lt;paulvas&#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>

<li>Tom Pesman &lt;tom&#064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>

<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk&#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>

<li>Arndt Hasch &lt;Arndt.Hasch&#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>

<li>Fix Bernd (KCDP 11) &lt;bernd.fix&#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>

<li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>

<li>Mike Dillon &lt;md5&#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>

<li>tu-vi cung &lt;t2cung&#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>

<li>Chris Schultz &lt;cschultz&#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>

<li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>

<li>Joel Rees &lt;rees&#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>

<li>Francesc Sau &lt;francesc.sau&#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>

<li>Larry Bugbee &lt;bugbee&#064mac.com&gt; - initial ECNR implementation.</li>

<li>Remi Blancher &lt;Remi.Blancher&#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>

<li>Brian O'Rourke &lt;brianorourke&#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>

<li>Andreas Schwier &lt;andreas.schwier&#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>

<li>David Josse &lt;david.josse&#064transacttools.net&gt; - Patch for trailer function in version 2 signature

packets.</li>

<li>Kishimoto Kazuhiko &lt;kazu-k&#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>

<li>Lawrence Tan &lt;lwrnctan&#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>

<li>Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>

<li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>

<li>Olaf Keller, &lt;olaf.keller.bc&#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>

<li>J&ouml;rg Eichhorn &lt;eichhorn&#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>

<li>Karsten Ohme &lt;widerstand&#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings.

Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design.

CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>

<li>Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>

<li>John Alfred Prufrock &lt;j.a.prufrock&#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>

<li>Stefan Neusatz Guillhen &lt;sneusatz&#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>

<li>Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.</li>

<li>Georg Lippold &lt;georg.lippold&#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>

<li>Chris Viles &lt;chris\_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>

<li>Pasi Eronen &lt;Pasi.Eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>

<li>Lijun Liao &lt;https://github.com/xipki&gt; performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream. Addition of getSignatureAlgorithmID to BasicOCSPResp. Reset fix for SM2 signatures, performance improvements for SHA-3. Clean up of CMP EncryptedValueBuilder, additional functionality on PollReqContent. Bug fix for endianness issue in cSHAKE left encode method.</li>

<li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>

<li>Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>

<li>Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery

attack.</li>

<li>Xavier Le Vouch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</li>

<li>Erik Tews &lt;e\_tews&#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>

<li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>

<li>Frank Cornelis &lt;info&#064frankcornelis.be&gt;- addition of crlAccessMethod in X509ObjectIdentifiers.</li>

<li>Rui Joaquim &lt;rjoaquim&#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>

<li>David Stacey &lt;DStacey&#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>

<li>Martijn Brinkers &lt;list&#064mitm.nl&gt;

- better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>

<li>Julius Davies &lt;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader</li>

<li>Matthias &lt;g&#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>

<li>Olga K&uuml;thler &lt;olga.kaethler&#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>

<li>Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>

<li>N&uacute;ria Mar&iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>

<li>Janis Schuller &lt;js&#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>

<li>Michael Samblanet &lt;mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>

<li>Mike StJohns &lt;mstjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>

<li>Ramon Keller &lt;ramon.keller&#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>

<li>Mark Nelson &lt;mark&#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>

<li>Eugene Golushkov &lt;eugene\_gff&#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>

<li>Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>

<li>Peter Knopp &lt;pknopp&#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>

<li>Jakub Gwozdz &lt;gwozdziu&#064rpg.pl&gt; - addition of getTsa() to TimestampTokenInfo.</li>

<li>Bartosz Malkowski &lt;bmalkow&#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>

<li>Tal Yacobi &lt;tal.yacobi&#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>

<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>

<li>Andrey Pavlenko &lt;andrey.a.pavlenko&#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>

<li>J Ross Nicoll &lt;jrn&#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>

<li>Matthew Stevenson &lt;mavricknz&#064yahoo.com&gt; - patch to constructor for CRMF CertSequence.</li>

<li>Gabriele Contini &lt;gcontini&#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>

- <li>Roelof Naude &lt;roelof.naude@epiuse.com>; - patch for TLS client to send empty client certs in response to HP\_CERTIFICATE\_REQUEST.</li>
- <li>Patrick Peck &lt;peck@signaturen.at>; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
- <li>Michael LeMay &lt;lemaymd@lemaymd.com>; - identified problem with EAX [#BJA-93].</li>
- <li>Alex Dupre &lt;ale@FreeBSD.org>; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>
- <li>Michael Schoene &lt;michael@sigrid-und-michael.de>; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
- <li>Ion Larrañaga &lt;ilarra@21sec.com>; fix to default partial packet generation in BCPGOutputStream.</li>
- <li>Bob Kerns &lt;bob.kerns@positscience.com>; fix to hashCode for X509CertificateObject.</li>
- <li>Stefan Meyer &lt;stefan.meyer@ewe.de>; backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
- <li>Robert J. Moore &lt;Robert.J.Moore@allanbank.com>; speedups for OpenPGPCFB mode, clean room JCE patches.</li>
- <li>Rui Hodai &lt;rui@po.ntts.co.jp>; speed ups for Camellia implementation, CamelliaLightEngine.</li>
- <li>Emir Bucalovic &lt;emir.bucalovic@mail.com>; initial implementation of Grain-v1 and Grain-128.</li>
- <li>Torbjorn Svensson &lt;tobbe79@gmail.com>; initial implementation of Grain-v1 and Grain-128.</li>
- <li>Paul FitzPatrick &lt;bouncycastle\_pfitz@fitzpatrick.cc>; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
- <li>Henrik Andersson &lt;k.henrik.andersson@gmail.com>; addition of UniqueIssuerID to certificate generation.</li>
- <li>Cagdas Cirit &lt;cagdascirit@gmail.com>; subjectAlternativeName fix for x509CertStoreSelector.</li>
- <li>Harakiri &lt;harakiri\_23@yahoo.com>; datahandler patch for attached parts in SMIME signatures.</li>
- <li>Pedro Henriques &lt;pmahenriques@gmail.com>; explicit bounds checking for DESKeyGenerator, code simplification for OAPEncoding.</li>
- <li>Lothar Kimmeringer &lt;job@kimmeringer.de>; verbose mode for ASN1Dump, support for DERExternal.</li>
- <li>Richard Farr &lt;rfarr.se@gmail.com>; initial SRP-6a implementation.</li>
- <li>Thomas Castiglione &lt;castiglione@au.ibm.com>; patch to encoding for CRMF OptionalValidity.</li>
- <li>Elisabetta Romani &lt;eromani@sogei.it>; patch for recognising multiple counter signatures.</li>
- <li>Robin Lundgren &lt;r737lundgren@gmail.com>; CMPCertificate constructor from X509CertificateStructure fix.</li>
- <li>Petr Kadlec &lt;mormegil@centrum.cz>; fix to sign extension key and IV problem in HC-128, HC-256.</li>
- <li>Andreas Antener &lt;antener\_a@gmx.ch>; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
- <li>Harendra Rawat &lt;hsrawat@yahoo.com>; fix for BERConstructedOctetString.</li>
- <li>Rolf Lindemann &lt;lindemann@trustcenter.de>; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
- <li>Alex Artamonov &lt;alexart.home@gmail.com>; name look up patch for GOST-2001 parameters.</li>
- <li>Mike Lyons &lt;mlyons@layer7tech.com>; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
- <li>Chris Cole &lt;chris\_h\_cole@yahoo.com>; identified a problem handling null passwords when loading a

BKS keystore.</li>  
<li>Tomas Krivanek &lt;tom&#064atak.cz&gt; added checking of Sender header to SignedMailValidator.</li>  
<li>Michael &lt;emfau&#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>  
<li>Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>  
<li>Markus Kil&aring;s &lt;markus&#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>  
<li>Dario Novakovic &lt;darionis&#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>  
<li>Michael Smith &lt;msmith&#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>  
<li>Andrea Zilio &lt;andrea.zilio&#064gmail.com&gt; fix for PEM password encryption of private keys.</li>  
<li>Alex Birkett &lt;alex&#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>  
<li>Wayne Grant &lt;waynedgrant&#064gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>  
<li>Frank Cornelis &lt;info&#064frankcornelis.be&gt; additional support classes for CADES, enhancements to OCSP classes.</li>  
<li>Jan Dittberner &lt;jan&#064dittberner.info&gt; addHeader patch for SMIME generator.</li>  
<li>Bob McGowan &lt;boab.mcgoo&#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>  
<li>Ivo Matheis &lt;i.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>  
<li>Marco Sandrini &lt;nessche&#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>  
<li>Alf Malf &lt;alfilmalf&#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>  
<li>Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt; contributions to CMS time stamp classes.</li>  
<li>Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>  
<li>Arnis Tartu &lt;arnis&#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>  
<li>Janusz Sikociski &lt;J.Sikocinski&#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>  
<li>Juri Hudolejev &lt;jhudolejev&#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>  
<li>Liane Velten &lt;liane.velten&#064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>  
<li>Shawn Willden &lt;swillden&#064google.com&gt; additional functionality to PGPKKeyRing.</li>  
<li>Atanas Krachev &lt;akrachev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>  
<li>Mickael Laiking &lt;mickael.laiking&#064keynectis.com&gt; initial cut of EAC classes.</li>  
<li>Tim Buktu &lt;tbuktu&#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>  
<li>Bernd &lt;rbernd&#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>  
<li>Steing Inge Morisbak &lt;stein.inge.morisbak&#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>  
<li>Andreas Schmid &lt;andreas.schmid&#064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>  
<li>Phil Steitz &lt;phil.steitz&#064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC

classes.</li>

- <li>Ignat Korchagin &lt;ignat.korchagin@#064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
- <li>Petar Petrov &lt;p.petrov@#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
- <li>Daniel Fitzpatrick &lt;daniel.f.nwr@#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
- <li>Andy Neilson &lt;Andy.Neilson@#064quest.com&gt;a further patches to deal with multiple providers and PEMReader.</li>
- <li>Ted Shaw &lt;xiao.xj@#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
- <li>Eleriseth &lt;Eleriseth@#064WPECGLtYbVi8Rl6Y7Vzl2Lvd2EUUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
- <li>Kenny Root &lt;kenny@#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
- <li>Maarten Bodewes &lt;maarten.bodewes@#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
- <li>Philip Clay &lt;pilf\_b@#064yahoo.com&gt; Initial implementation of J-PAKE.</li>
- <li>Brian Carlstrom &lt;bdc@#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
- <li>Samuel Lid&eacute;n Borell &lt;samuel@#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>
- <li>Sergio Demian Lerner &lt;sergiolerner@#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
- <li>Tim Whittington &lt;Tim.Whittington@#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>
- <li>Marcus Lundblad &lt;marcus.lundblad@#064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
- <li>Andrey Zhozhin &lt;zhozhin@#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
- <li>Sergey Tiunov &lt;t5555d@#064gmail.com&gt; initial cut of DVCS classes.</li>
- <li>Damian Kolasa &lt;fatfredy@#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>
- <li>Ash Hughes &lt;ashley.hughes@#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
- <li>Daniel Hirscher &lt;dev@#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.</li>
- <li>Daniele Ricci &lt;daniele.athome@#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
- <li>Matti Aarnio &lt;matti.aarnio@#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts.</li>



Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.</li>  
<li>Babak Najafi <a href="mailto:bnajafi@akamai.com">bnajafi@akamai.com</a>; fixes to OpenPGP NotationData to prevent truncation problems.</li>  
<li>Eric Mueller <a href="mailto:eric.mueller@sage.de">eric.mueller@sage.de</a>; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>  
<li>Mathias Herberts <a href="mailto:Mathias.Herberts@gmail.com">Mathias.Herberts@gmail.com</a>; fix to inOff usage in RFC3394WrapEngine.</li>  
<li>Daniil Ivanov <a href="mailto:daniil.ivanov@gmail.com">daniil.ivanov@gmail.com</a>; addition of provider support for GOST HMAC SecretKeyFactory.</li>  
<li>Daniele Grasso <a href="mailto:daniele.grasso86@gmail.com">daniele.grasso86@gmail.com</a>; contributions to final Key calculation code for SRP6.</li>  
<li>Andrey Utkin <a href="mailto:cindrhc@gmail.com">cindrhc@gmail.com</a>; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>  
<li>Arnis Tartu <a href="mailto:arnis@ut.ee">arnis@ut.ee</a>; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>  
<li>Axel VDB <a href="mailto:axel-vdb@riseup.net">axel-vdb@riseup.net</a>; initial implementation of Shacal2.</li>  
<li>Roberto Tyley <a href="mailto:rtyley@redhat.com">rtyley@redhat.com</a>; further work on completing gradle build.</li>  
<li>Waldemar Dick <a href="mailto:wdick@devmue.de">wdick@devmue.de</a>; code improvement in x500 ASN.1 package.</li>  
<li>Sid Steward <a href="mailto:sid.steward@pdfllabs.com">sid.steward@pdfllabs.com</a>; code improvements to ASN1Boolean.</li>  
<li>Alex Klyubin <a href="mailto:klyubin@google.com">klyubin@google.com</a>; AlgorithmParameters check for EC key agreement.</li>  
<li>Jonathan Gillett <a href="mailto:gsoc.student@gmail.com">gsoc.student@gmail.com</a>; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>  
<li>Andreas Reiter <a href="mailto:andreas.reiter@iaik.tugraz.at">andreas.reiter@iaik.tugraz.at</a>; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>  
<li>Kieran Miller <a href="mailto:kieran.miller@gmail.com">kieran.miller@gmail.com</a>; initial implementation for RFC 5649 key wrap with padding.</li>  
<li>Oliver Ehli <a href="mailto:ehli@arago.de">ehli@arago.de</a>; Additional support for BSI plain ECDSA in the provider.</li>  
<li>Daniel Heldt <a href="mailto:Daniel.Heldt@cryptovision.com">Daniel.Heldt@cryptovision.com</a>; Initial support for encodable state message digests</li>  
<li>Robert Bushman <a href="mailto:bouncycastle@traxel.com">bouncycastle@traxel.com</a>; Clean up of DirectKeySignature example.</li>  
<li>Maurice Aarts <a href="mailto:aarts@riscure.com">aarts@riscure.com</a>; updated to KDF generator to follow NIST SP 800-108.</li>  
<li>Franziskus Kiefer <a href="https://github.com/franziskuskiefer">https://github.com/franziskuskiefer</a>; initial implementation of Cramer-Shoup.</li>  
<li>KB Sriram <a href="mailto:mail\_kb@yahoo.com">mail\_kb@yahoo.com</a>; testing for odd encodings for PGP User Attribute Subpackets.</li>  
<li>Marco Schulze <a href="mailto:marco@nightlabs.de">marco@nightlabs.de</a>; Reported verification bug in GenericSigner.</li>  
<li>Martin Schaefer <a href="https://github.com/martinschaefer">https://github.com/martinschaefer</a>; contributed a code-cleanup patch.</li>  
<li>dstutz <a href="https://github.com/dstutz">https://github.com/dstutz</a>; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>  
<li>Tobias Wich <a href="mailto:tobias.wich@ecsec.de">tobias.wich@ecsec.de</a>; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>  
<li>Hauke Mehrtens <a href="mailto:hauke@hauke-m.de">hauke@hauke-m.de</a>; TLS patch to add ECDHE\_ECDSA CCM ciphersuites from RFC 7251.</li>  
<li>Daniel Zimmerman <a href="mailto:dmz@galois.com">dmz@galois.com</a>; Further key quality improvements to RSAKeyPairGenerator.</li>  
<li>Jens Kapitzka <a href="mailto:tj.kapitzka@schwarze-allianz.de">tj.kapitzka@schwarze-allianz.de</a>; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>  
<li>Johan Eklund <a href="mailto:johan@primekey.se">johan@primekey.se</a>; update to RFC 6960 for OCSPObjectIdentifiers.</li>  
<li>nikosn <a href="https://github.com/nikosn">https://github.com/nikosn</a>; Fix to encoding of EC private keys to ensure encoding matches order

length.</li>  
<li>Axel von dem Bruch &lt;axel-vdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>  
<li>Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>  
<li>Peter Jr Halicky &lt;peto&#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>  
<li>IartiguePierre&lt;https://github.com/IartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>  
<li>Thomas Belot&lt;thomas.belot+BC&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>  
<li>Rich DiCroce&lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>  
<li>Bj&ouml;rn Kautler&lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).</li>  
<li>Dominik Sch&uuml;rmann&lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>  
<li>Michael &lt;MSKnete&#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys.</li>  
<li>Tobias Wagner &lt;tobias.wagner&#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>  
<li>Sergio Giro &lt;sgiro&#064google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>  
<li>bschuette&lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>  
<li>Leonard Dallot&lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>  
<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle&#064lxtrême.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>  
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>  
<li>Kai Kramer &lt;kai.kramer&#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>  
<li>Benoit Charles &lt;benoit.charles&#064opentrust.com&gt; Fix for IES data length check on decryption.</li>  
<li>Niko &lt;nfink95&#064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>  
<li>akwizgran&lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>  
<li>Matthias Edelhoff &lt;Matthias.Edelhoff&#064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>  
<li>Lukasz Deputat &lt;lukasz.deputat&#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>  
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>  
<li>Andr&eacute; Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>  
<li>Slawomir Jaranowski&lt;https://github.com/slawekjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>  
<li>Andrey Vasilyev&lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-

2012.</li>  
<li>William Glanton &lt;wglanton77&#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>  
<li>jdvorak001&lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>  
<li>Joseph Naegele &lt;jnaegele&#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>  
<li>Andrew Bonventre&lt;https://github.com/andybons&gt; NullPointerException patch for WNAfUtil.</li>  
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>  
<li>Gorka Irazoqui &lt;girazoki&#064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>  
<li>Joerg Senekowitsch &lt;joerg.senekowitsch&#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>  
<li>Alexandr Krivoshta &lt;wipe&#064ya.ru&gt; N4 calculation fix to GOFB mode.</li>  
<li>Artem Storozhuk &lt;storojs72&#064gmail.com&gt; N4 calculation fix to GOFB mode.</li>  
<li>Na Yu &lt;na.yu&#064samsung.com&gt; Constructor patches to CMC PKIData.</li>  
<li>Evangelos Karatsiolis &lt;ekaratsiolis&#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>  
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>  
<li>mtausig  
&lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>  
<li>Anders Schack-Mulligen &lt;https://github.com/aschackmull&gt; code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.</li>  
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland&#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>  
<li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>  
<li>Mike Safonov&lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>  
<li>Artem Storozhuk &lt;storojs72&#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>  
<li>Andreas Glaser &lt;andreas.glaser&#064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>  
<li>codeborne  
&lt;https://github.com/cbcp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>  
<li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>  
<li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>  
<li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.</li>  
<li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2\*\*64-127 to 2\*\*64.</li>  
<li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s</li>  
<li>Scott Woodward &lt;scott&#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>  
<li>David Strawn &lt;https://github.com/isomarc&gt; fix for off by one error in SCRYPT bounds checking.</li>  
<li>chris mccown &lt;0xchrismccown&#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>  
<li>ZZMarquis

- <li><https://github.com/ZZMarquis>&gt; offset patch for SM2 decrypt.</li>
- <li>Andreas Kretschmer <a href="https://github.com/Akretsch">https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().</li>
- <li>Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
- <li>Vincent Breitmoser <a href="https://github.com/Valodim">https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
- <li>Adam Vartanian <a href="https://github.com/flooey">https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
- <li>Bernd <a href="https://github.com/ecki">https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
- <li>Shartung <a href="https://github.com/shartung">https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
- <li>Paul Schaub <a href="https://github.com/vanitasvitae">https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
- <li>Nick of Nexsar <a href="https://github.com/nros">https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>
- <li>catbref <a href="https://github.com/catbref">https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
- <li>gerlion <a href="https://github.com/gerlion">https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
- <li>fgrieu <a href="mailto:fgrieu@064gmail.com">fgrieu@064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEP encoding and RSACoreEngine.</li>
- <li>MTG <a href="https://github.com/mtgag">https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
- <li>Andreas Gadermaier <a href="mailto:up.gadermaier@064gmail.com">up.gadermaier@064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
- <li>Tony Washer <a href="mailto:tony.washer@yahoo.co.uk">tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code.</li>
- <li>Vincent Bouckaert <a href="https://github.com/veebee">https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
- <li>Tony Washer <a href="https://github.com/tonywasher">https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>
- <li>Aurimas Liutikas <a href="https://github.com/liutikas">https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>

</ul>

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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# 1.367 jooq 3.12.1

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\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression

- \* Bug 426542 - [1.8] Most specific method not picked when one method has intersection type as type parameter
  - \* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
  - \* Andy  
Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
  - \* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  - \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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- \*
- \* Based on lookup3.c, by Bob Jenkins { @link "http://burtleburtle.net/bob/c/lookup3.c" }
- \*
- \* Here is the original comment by Bob Jenkins:
- \* -----
- \* lookup3.c, by Bob Jenkins, May 2006, Public Domain.
- \*
- \* These are functions for producing 32-bit hashes for hash table lookup.
- \* hashword(), hashlittle(), hashlittle2(), hashbig(), mix(), and final()
- \* are externally
- useful functions. Routines to test the hash are included
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- \* You probably want to use hashlittle(). hashlittle() and hashbig()
- \* hash byte arrays. hashlittle() is faster than hashbig() on
- \* little-endian machines. Intel and AMD are little-endian machines.
- \* On second thought, you probably want hashlittle2(), which is identical to
- \* hashlittle() except it returns two 32-bit hashes for the price of one.
- \* You could implement hashbig2() if you wanted but I haven't bothered here.
- \*
- \* If you want to find a hash of, say, exactly 7 integers, do

```

* a = i1; b = i2; c = i3;
* mix(a, b, c);
* a += i4; b += i5; c += i6;
* mix(a, b, c);
* a += i7;
* finalMix(a, b, c);
* then use c as the hash value. If you have a variable length array of
* 4-byte integers to hash, use hashword(). If you have a byte array (like
* a character string), use hashlittle().
  If you have several byte arrays, or
* a mix of things, see the comments above hashlittle().
*
* Why is this so big? I read 12 bytes at a time into 3 4-byte integers,
* then mix those integers. This is fast (you can do a lot more thorough
* mixing with 12*3 instructions on 3 integers than you can with 3 instructions
* on 1 byte), but shoehorning those bytes into integers efficiently is messy.
*****/

```

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*   Xerox/PARC   initial implementation
*   Mik Kersten  port to AspectJ 1.1+ code base
*****/

```

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\* bug 328281 - visibility leaks not detected when analyzing unused field in private class

\* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.

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\* Theodora Yeung (tyeung@bea.com) - ensure that JarPackageFragmentRoot make it into cache



- \* before its contents
- \* (see [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=102422](https://bugs.eclipse.org/bugs/show_bug.cgi?id=102422))
- \* Stephan Herrmann - Contributions for
- \* Bug 346010 - [model] strange initialization dependency in OptionTests
- \* Bug 440477 - [null] Infrastructure
- for feeding external annotations into compilation
- \* Terry Parker <tparker@google.com> - DeltaProcessor misses state changes in archive files, see [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=357425](https://bugs.eclipse.org/bugs/show_bug.cgi?id=357425)
- \* Thirumala Reddy Mutchukota <thirumala@google.com> - Contribution to bug: [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=411423](https://bugs.eclipse.org/bugs/show_bug.cgi?id=411423)
- \* Terry Parker <tparker@google.com> - [performance] Low hit rates in JavaModel caches - <https://bugs.eclipse.org/421165>
- \* Terry Parker <tparker@google.com> - Enable the Java model caches to recover from IO errors - <https://bugs.eclipse.org/455042>
- \* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions
- \* Karsten Thoms - Bug 532505 - Reduce memory footprint of ClasspathAccessRule
- \*\*\*\*\*/

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/JavaSearchPattern.java

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\* Stephan Herrmann - Contributions for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account

\* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug

400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 426792 - [1.8][inference][impl] generify new type inference engine

\* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

\* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

\* Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 431581 - Eclipse compiles what it should not

\* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

\* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression

\* Bug 446442 - [1.8] merge null annotations from

super methods

\* Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error messages

\* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),

Collection#remove(Object) et al.

\* Jesper S Moller - Contributions for

- \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- \* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
  - \* bug 386692 - Missing "unused" warning on "autowired" fields
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
  - \* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource
- \* Sebastian Zarnekow - Contributions for
  - \* bug 544921 - [performance] Poor performance with large source files

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/HasMemberTypePattern.java

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\*

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/ajde/ui/StructureSearchManager.java

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\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 415543 - [1.8][compiler] Incorrect bound index in RuntimeInvisibleTypeAnnotations attribute

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*   Vladimir Piskarev <pisv@1c.ru> - Thread safety of OpenableElementInfo - https://bugs.eclipse.org/450490
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*     bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax
*     bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*     bug 404728 - [1.8]NPE on QualifiedSuperReference error
*****/
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/SignatureUtils.java  
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\* John Glassmyer <jogl@google.com> - import group sorting is broken - <https://bugs.eclipse.org/430303>  
\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178  
\* \*\*\*\*\*/

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/bridge/context/CompilationAndWeavingContext.java

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\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>  
\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] follow up bug for comments - <https://bugs.eclipse.org/458208>

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\* Bug 407191 - [1.8] Binary access support for type annotations

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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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\* Bug 186342 - [compiler][null] Using annotations for null checking  
\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/JModPackageFragmentRoot.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/AbstractModule.java  
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\* IBM Corporation - initial API and implementation

\* Andy Clement (GoPivotal, Inc) [aclement@gopivotal.com](mailto:aclement@gopivotal.com) - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

\* Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references

\*

Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/FlatFileCacheBacking.java

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\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370639 - [compiler][resource] restore the

default for resource leak warnings

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 416267 - NPE in QualifiedAllocationExpression.resolveType

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 424415 - [1.8][compiler]

Eventual resolution of ReferenceExpression is not seen to be happening.

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 378674 - "The method can be declared as static" is wrong

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's

work)

\* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

\* Till Brychcy - Contributions for

\* bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File

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\* Sergey Stupin - contributions for adding annotation processing support to ajc

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactory.java

\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/AnnotationDefault.java

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\* Contributors:

\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - contributions for

\* bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug

392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations

\* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 416190 - [1.8][null]

detect incompatible overrides due to null type annotations

\* Bug 424624 - [1.8][null] if a static-object with annotation @NonNull is used, a warning is shown

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type

\* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)

\* Bug 457079 - Regression: type inference

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Bug 455180 - IllegalStateException in AnnotatableTypeSystem.getRawType

\* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file

\*\*\*\*\*

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*     bug 349326 - [1.7] new warning for missing try-with-resources
*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 364890 - BinaryTypeBinding should use char constants from Util
*     bug 365387 - [compiler][null] bug 186342: Issues to follow up post review and verification.
*     bug 358903 - Filter practically unimportant resource leak warnings
*     bug
365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*     bug 388800 - [1.8][compiler] detect default methods in class files
*     bug 388281 - [compiler][null] inheritance of null annotations as an option
*     bug 331649 - [compiler][null] consider null annotations for fields
*     bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*     Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*     Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*     Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
*     Bug 392245 - [1.8][compiler][null] Define whether

```

- / how @NonNullByDefault applies to TYPE\_USE locations
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
- \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- \* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
- \* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
- \* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
- \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)
- \* Bug 454182 - Internal compiler error when using

1.8 compliance for simple project

- \* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
- \* Bug 447661 - [1.8][null] Incorrect 'expression needs unchecked conversion' warning
- \* Jesper Steen Moller - Contributions for
- \* Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* Sebastian Zarnekow - Contributions for
- \* bug 544921 - [performance] Poor performance with large source files

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- \* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
- \* bug 383368 - [compiler][null] syntactic null analysis for field references
- \* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
- \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- \* Bug
- 422796 - [compiler][null] boxed boolean reported as potentially null after null test in lazy disjunction

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\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 378674 - "The method can be declared as static" is wrong

\* Stephan Herrmann - Contribution for

\* Bug 424167 - [1.8] Fully integrate type inference with overload resolution

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\* QNX - Initial API and implementation

\* Symbian - Add some non-javadoc implementation notes

\* Markus Schorn (Wind River Systems)

\* IBM Corporation

\* Sergey Prigogin (Google)

\* Stefan Xenos (Google)

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\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contribution for

\* Bug 425183 - [1.8][inference] make CaptureBinding18 safe

\* Bug 462025 - [null][test] create tests for manipulating external null annotations

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 *   Patrick Wienands <pwienands@abit.de> - Contribution for bug 393749
 *   Stephan Herrmann - Contribution for
 *     bug 331649 - [compiler][null] consider null annotations for fields
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/IOrdinaryClassFile.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/model/BinaryModuleDescriptor.java

\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/builder/ModuleInfoBuilder.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/builder/ModuleEntryProcessor.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/IModularClassFile.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/bridge/IProgressListener.java

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\* Contributors:  
\* wharley@bea.com - initial API and implementation  
\* IBM Corporation - fix for 342598  
\* IBM Corporation - Java 8 support  
\*\*\*\*\*/

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\* Terry Parker <tparker@google.com> (Google Inc.) <https://bugs.eclipse.org/365499>  
\* Stephan Herrmann - Contribution for  
\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
\*\*\*\*\*/

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*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)
*   Jesper Steen Moeller - Contributions for:
*       Bug 406973 - [compiler] Parse MethodParameters attribute
*****/
```

Found in path(s):

```
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/util/Disassembler.java
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*       bug 186342 - [compiler][null] Using annotations for null checking
*       bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*       bug 388281 - [compiler][null] inheritance of null annotations as an option
*       Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*****/
```

Found

in path(s):

```
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/TagBits.java
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/asm/IHierarchyListener.java

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\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/tools/ajdoc/CompilerWrapper.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/asm/IHierarchyListener.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/asm/IElementHandleProvider.java

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/asm/internal/Relationship.java

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/IfPointcut.java

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\* Bug 440687 - [compiler][batch][null] improve command line option for external annotations

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/util/ManifestAnalyzer.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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jar/org/aspectj/weaver/Dump.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/batch/ModuleFinder.java
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*   IBM Corporation - changed interface to extend IBinding
*   IBM Corporation - renamed from IResolvedAnnotation to IAnnotationBinding
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\* Jesper Steen Moller - Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing

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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 365519 - editorial cleanup after bug 186342 and bug 365387  
\* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class  
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\* Stephan Herrmann - Contributions for  
\* bug 349326 - [1.7] new warning for missing try-with-resources

- \* bug 186342 - [compiler][null] Using annotations for null checking
  - \* bug 365519 - editorial cleanup after bug 186342 and bug 365387
  - \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
  - \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
  - \* bug 383368 - [compiler][null] syntactic null analysis for field references
  - \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
  - \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
  - \* Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this location
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
  - \* Jesper S Moller <jesper@selskabet.org> - Contributions for
  - \* bug 378674 - "The method can be declared as static" is wrong
- \*\*\*\*\*/

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - TypeConverters don't set enclosingType -

[https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=320841](https://bugs.eclipse.org/bugs/show_bug.cgi?id=320841)

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- \* IBM Corporation - initial API and implementation
- \* Stephan Herrmann - Contributions for
  - \* bug 349326 - [1.7] new warning for missing try-with-resources
  - \* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points
  - \* bug 358903 - Filter practically unimportant resource leak warnings
  - \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
  - \* bug 370639 - [compiler][resource]
    - restore the default for resource leak warnings
  - \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
  - \* bug 379784 - [compiler] "Method can be static" is not getting reported
  - \* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
  - \* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
  - \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
  - \* Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop
  - \* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
  - \* Bug 444964 - [1.7+][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream - return inside for loop)
    - \* Bug 396575 - [compiler][resources] Incorrect Errors/Warnings check for potential resource leak when surrounding with try-catch
- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
  - \* bug 378674 - "The method can be declared as static" is wrong
- \* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class

\*\*\*\*\*/

Found in path(s):

- \* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/BlockScope.java

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\* Stephan Herrmann - Contribution for Bug 464615 - [dom] ASTParser.createBindings() ignores parameterization of a method invocation

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\* Contributors:

\* Andy Clement, SpringSource

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/MemberUtils.java

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\* Stefan Xenos (Google) - Initial implementation  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/TypeRef.java

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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/JavaIndex.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/field/FieldByte.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdConstantDouble.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdType.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/GenericSignatures.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/Package.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/model/Package.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/IndexerEvent.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/model/ITypeAnnotationBuilder.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/FileFingerprint.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/field/IDestructableField.java  
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\* Tom Tromey - Contribution for bug 125961  
\* Tom Tromey - Contribution for bug 159641  
\* Benjamin Muskalla - Contribution for bug 239066  
\* Stephan Herrmann - Contributions for  
\* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used  
\* bug 295551 - Add option to automatically promote all warnings to errors  
\* bug 359721 - [options] add command line option

for new warning token "resource"

\* bug 365208 - [compiler][batch] command line options for annotation based null analysis

- \* bug 374605 - Unreasonable warning for enum-based switch statements
- \* bug 375366 - ECJ ignores unusedParameterIncludeDocCommentReference unless enableJavadoc option is set
- \* bug 388281 - [compiler][null] inheritance of null annotations as an option
- \* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
- \* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
- \* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
- \* Bug 408815 - [batch][null] Add CLI option for

COMPILER\_PB\_SYNTACTIC\_NULL\_ANALYSIS\_FOR\_FIELDS

- \* Jesper S Moller - Contributions for
- \* bug 407297 - [1.8][compiler] Control generation of parameter names by option
- \* Mat Booth - Contribution for bug 405176
- \* Frits Jalvingh
- fix for bug 533830.

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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

\* Stephan Herrmann - Contribution for

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8

18.x (Part G of JSR335 spec)

\* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/classfmt/AnnotationMethodInfoWithAnnotations.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/classfmt/AnnotationMethodInfo.java
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*   Stephan Herrmann - Contributions for
*   bug 292478 - Report potentially null across variable assignment
```

- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
  - \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
  - \* bug 331649 - [compiler][null] consider null annotations for fields
  - \* bug 383368 - [compiler][null] syntactic null analysis for field
- references
- \* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
  - \* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
  - \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
  - \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
  - \* Bug 426792 - [1.8][inference][impl] generify new type inference engine
  - \* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
  - \* Bug 427438 - [1.8][compiler] NPE at
- org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- \* Bug 426996
  - [1.8][inference] try to avoid method Expression.unresolve()?
  - \* Bug 428274 - [1.8] [compiler] Cannot cast from Number to double
  - \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
  - \* Bug 473178

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/util/EclipseFileObject.java

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*   IBM Corporation - initial API and implementation  
*   Terry Parker <tparker@google.com> - DeltaProcessor misses state changes in archive files, see  
*   https://bugs.eclipse.org/bugs/show_bug.cgi?id=357425
```

- \* Thirumala Reddy Mutchukota <thirumala@google.com> - Avoid optional library classpath entries validation - [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=412882](https://bugs.eclipse.org/bugs/show_bug.cgi?id=412882)
  - \* Stephan Herrmann - Contribution for
  - \* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
  - \* Bug 462768 - [null] NPE when using linked folder for external annotations
  - \* Bug 465296 - precedence of extra attributes on a classpath container
  - \* Karsten Thoms - Bug 532505 - Reduce memory footprint of ClasspathAccessRule
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- \* bug 342671 - ClassCastException: org.aspectj.org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to org.aspectj.org.eclipse.jdt.internal.compiler.lookup.ArrayBinding
- \* Bug 420894 - ClassCastException in DefaultBindingResolver.resolveType(Type)
- \* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- \* Bug 415043 - [1.8][null]
- Follow-up re null type annotations after bug 392099
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 434600 - Incorrect null analysis error reporting on type parameters
- \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- \* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
- \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- \* Andy Clement - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/bcel/TypeDelegateResolver.java

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\* Alexandre Vasseur perClause support for @AJ aspects

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/bcel/BcelWorld.java

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\* Stephan Herrmann - Contribution for  
\* Bug 440474 - [null] textual encoding of external null annotations

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\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/AnyWithAnnotationTypePattern.java

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\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/CompressingDataOutputStream.java

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jar/org/aspectj/ajdt/internal/compiler/ast/EclipseConstantPoolWriter.java

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\* Timo Kinnunen - Contributions for bug 377373 - [subwords] known limitations with JDT 3.8

\* Bug 420953 - [subwords] Constructors that don't match prefix not found

\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contribution for

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions

\*/

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*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*       Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped
*   Stephan Herrmann - Contribution for
*   Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*   Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
*   Bug 429958
*   - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*   Bug 440462 - [null][compiler]NPE in EJC for erroneous null annotations
*   Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*****/

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*   Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*   Bug 427438 - [1.8][compiler] NPE at
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28
0)
*****/

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/AbstractVariableDeclaration.java

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```

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/JavadocArraySingleTypeReference.java  
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\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 417295 - [1.8][null] Massage type

annotated null analysis to gel well with deep encoded type bindings.

\* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject

into account

\* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions

- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- \* bug 386692 - Missing "unused" warning on "autowired" fields
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
- \* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource

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\* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used

\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 358903 - Filter practically unimportant resource

leak warnings

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 424727 - [compiler][null] NullPointerException in

nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)

\* Bug 424710

- [1.8][compiler] CCE in SingleNameReference.localVariableBinding

\* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.

\* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation

\* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

\* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload

context

\* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?

\* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler

\* Bug 424930 - [1.8][compiler] Regression: "Cannot infer type arguments" error from compiler.

\* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- \* Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
  - \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
  - \* Bug 429203 - [1.8][compiler] NPE in AllocationExpression.binding
  - \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
  - \* Bug 434297 - [1.8] NPE in LambdaExpression.analyseCode with lambda expression nested in a conditional expression
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
  - \* Jesper S Moller <jesper@selskabet.org> - Contributions for
    - \* bug 378674 - "The method can be declared as static" is wrong
  - \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
    - \* Bug 383624 - [1.8][compiler]  
Revive code generation support for type annotations (from Olivier's work)
    - \* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method
  - \* Till Brychcy - Contributions for
    - \* bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File
  - \* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
    - \* Bug 473178
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* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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```

\* Contributors:  
\* IBM Corporation - initial API and implementation  
\* Stephan Herrmann - Contribution for  
\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
\*\*\*\*\*/

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\* IBM Corporation - initial API and implementation  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* bug 407191 - [1.8] Binary access support for type annotations  
\* Stephan Herrmann - Contribution for  
\* Bug 440474 - [null] textual encoding of external null annotations  
\*\*\*\*\*/

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\*  
\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/hierarchy/HierarchyBinaryType.java  
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  - \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/reflect/ReflectionBasedResolvedMemberImpl.java
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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/ConstructorPattern.java
- \*
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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/search/SearchDocument.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/CompilationUnitElementInfo.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/StringLiteral.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/SourceTypeElementInfo.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/TypeVector.java
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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/OrLocator.java
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/MethodDeclaration.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/MethodPattern.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/SingleVariableDeclaration.java  
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\* Walter Harley - initial API and implementation  
\* IBM Corporation - fix for 342598, 382590  
\* Jean-Marie Henaff <jmhenaff@google.com> (Google) - Bug 481555  
\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/model/TypesImpl.java  
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\* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking  
\* Jesper Steen Moeller - Contribution for bug 406973 - [compiler] Parse MethodParameters attribute  
\*/

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 407191 - [1.8] Binary access support for type annotations  
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in path(s):

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\* Stephan Herrmann - Contribution for

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 429403 - [1.8][null] null mismatch from type arguments is not reported at field initializer

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Bug 458396 - NPE in CodeStream.invoke()

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation  
\*\*\*\*\*/

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/util/IRuntimeVisibleAnnotationsAttribute.java
- \*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/util/ILocalVariableTypeTableEntry.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/RuntimeInvisibleAnnotationsAttribute.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/select/SelectionOnNameOfMemberValuePair.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/util/IAnnotation.java
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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/RuntimeInvisibleParameterAnnotationsAttribute.java
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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/RuntimeVisibleAnnotationsAttribute.java
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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/util/ILocalVariableTypeTableAttribute.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-



jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnAnnotationOfType.java

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 *     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
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 *   IBM Corporation - fix for bug 342757
 *   Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
 */
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- \* RonBodkin/AndyClement optimizations for memory consumption/speed

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/hierarchy/RegionBasedHierarchyBuilder.java
- \*
- /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/parser/RecoveredUnit.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/PackageBinding.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/batch/ClasspathLocation.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/AbstractIndexer.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/TryStatement.java
- \*
- /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/IPackageFragment.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/hierarchy/ChangeCollector.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/ICompilationUnit.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/BinaryType.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/JavaElement.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/QualifiedTypeDeclarationPattern.java
- \*
- /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/JavaElementFinder.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/IPackageBinding.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/HierarchicalASTVisitor.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/NameEnvironmentAnswer.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/SourceIndexerRequestor.java
- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/TypeDeclarationLocator.java
- \*
- /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/ConstantPoolEntry.java

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/codeassist/impl/Engine.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/BasicCompilationUnit.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/BinaryIndexer.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/hierarchy/TypeHierarchy.java
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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/PatternLocator.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/BindingResolver.java
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jar/org/aspectj/org/eclipse/jdt/core/dom/ASTSyntaxErrorPropagator.java
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/ImportReference.java
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/INameEnvironment.java
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jar/org/aspectj/org/eclipse/jdt/internal/core/PackageFragment.java
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jar/org/aspectj/org/eclipse/jdt/core/IMember.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/SuperTypeNamesCollector.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/util/ConstantPoolEntry2.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/IIndexConstants.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/IJavaElement.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/CompilationResult.java
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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/JarPackageFragment.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/loadtime/definition/DocumentParser.java

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\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/loadtime/WeavingURLClassLoader.java

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\* bug 411098 - [compiler][resource] Invalid Resource Leak Warning using ternary operator inside try-with-resource

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
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\* Bug 406973 - [compiler] Parse MethodParameters attribute  
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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 383368 - [compiler][null] syntactic null analysis for field references



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*       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
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*       Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
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jar/org/aspectj/bridge/ILifecycleAware.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/bridge/ILifecycleAware.java
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jar/org/aspectj/weaver/reflect/ReflectionFastMatchInfo.java
*

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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/reflect/ReflectionFastMatchInfo.java

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda

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\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

- \* bug 388281 - [compiler][null] inheritance of null annotations as an option
  - \* bug 388795 - [compiler] detection of name clash depends on order of super interfaces
  - \* bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
  - \* bug 390883 - [1.8][compiler] Unable to override default method
  - \* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
  - \* bug 401246 - [1.8][compiler] abstract class method should now trump conflicting default methods
  - \* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
  - \* bug 403867 - [1.8][compiler] Suspect error about duplicate default methods
  - \* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics
  - \* bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795
  - \* bug 409473 - [compiler] JDT cannot compile against JRE 1.8
  - \* Bug 420080 - [1.8] Overridden Default method is reported as duplicated
  - \* Bug 404690 - [1.8][compiler] revisit bridge generation after VM bug is fixed
  - \* Bug 410325 - [1.7][compiler] Generified method override different between javac and eclipse compiler
  - \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
  - \* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
  - \* Bug 440773 - [1.8][null]DefaultLocation.RETURN\_TYPE erroneously affects method parameters in @NonNullByDefault
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 446442 - [1.8] merge null annotations from super methods
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 \* Terry Parker <tparker@google.com> - [performance] Low hit rates in JavaModel caches - <https://bugs.eclipse.org/421165>  
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 \* bug 349326 - [1.7] new warning for missing try-with-resources  
 \* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files  
 \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
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\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
\* Bug 406973 - [compiler] Parse MethodParameters attribute  
\* Andy Clement - Contributions for  
\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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```
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajdt/internal/compiler/ast/AjConstructorDeclaration.java  
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajdt/internal/compiler/ast/AjMethodDeclaration.java
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jar/org/aspectj/org/eclipse/jdt/internal/codeassist/CompletionElementNotifier.java
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/DeclareTypeErrorOrWarning.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/asm/internal/RelationshipMap.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/asm/HierarchyWalker.java

\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/asm/HierarchyWalker.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/asm/IHierarchy.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/asm/IHierarchy.java

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\* John Glassmyer <jogl@google.com> - import group sorting is broken - <https://bugs.eclipse.org/430303>

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\*

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\*

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/imports/StaticConflictingSimpleNameFinder.java

\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/imports/ImportName.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/imports/ReorderingImportAdder.java

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*     bug 363858 - [dom] early throwing of AbortCompilation causes NPE in CompilationUnitResolver
*     Bug 466279 - [hovering] IAE on hover when annotation-based null analysis is enabled
*****/

```

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\*

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\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

- \* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
- \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

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jar/org/aspectj/weaver/Constants.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
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jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnMessageSendName.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/core/formatter/IndentManipulation.java  
*
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/model/TypeVariableImpl.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
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  - \* Stephan Herrmann - Contributions for
  - \* bug 186342 - [compiler][null] Using annotations for null checking
  - \* bug 367203 - [compiler][null] detect assigning null to nonnull argument
  - \* bug 365519 - editorial cleanup after bug 186342 and bug 365387
  - \* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
  - \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
  - \* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* bug 388281 - [compiler][null] inheritance of null annotations as an option
  - \* bug 401030 - [1.8][null] Null analysis support for lambda methods.
  - \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
  - \* Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations
  - \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
  - \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
  - \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
  - \* Bug  
435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- \*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/impl/AssistSourceField.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/impl/AssistImportContainer.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/PatternParser.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/reflect/InternalUseOnlyPointcutParser.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/DeferredResolvedPointcutDefinition.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/InternalUseOnlyPointcutParser.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/bcel/AspectInstanceVar.java  
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\* Jesper Steen Møller <[jesper@selskabet.org](mailto:jesper@selskabet.org)> - contributions for:  
\* Bug 531046: [10] ICodeAssist#codeSelect support for 'var'  
\*\*\*\*\*/

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 *   Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly,
 *   especially when max line width is set - https://bugs.eclipse.org/303519
 *   Mateusz Matela <mateusz.matela@gmail.com> - [formatter] IndexOutOfBoundsException in TokenManager -
 *   https://bugs.eclipse.org/462945
 *   Mateusz Matela <mateusz.matela@gmail.com> - [formatter] follow up bug for comments -
 *   https://bugs.eclipse.org/458208
 *   IBM Corporation - DOM AST changes for JEP 354
 */
```

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\* Extended by Adrian Colyer, June 2005 to support unpacking of Signature  
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\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/Signature.java

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\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields

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\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
\*\*\*\*\*/

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\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE  
\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking  
\* Bug  
415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch  
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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check  
\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops  
\* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment  
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\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
\* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas  
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\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

\* Bug 384687 - [1.8] Wildcard type arguments should be rejected for lambda and reference

expressions

\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)

\* Stephan Herrmann - Contribution for

\* bug 402028 - [1.8][compiler] null analysis for reference

expressions

\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super via I.super.m() syntax

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to

Files::walk

\* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

\* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.

\* Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method

\* Bug 427438

- [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28

0)

\* Bug 428264 - [1.8] method reference of generic class causes problems (wrong inference result or NPE)

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 426537 - [1.8][inference] Eclipse compiler thinks I<? super J> is compatible with I<J<?>> - raw type J

involved

\* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

\* Bug 435689 - [1.8][inference] Type inference not occurring with lambda expression and method reference

\* Bug 438383 - [1.8][null] Bogus warning: Null type safety at method return type

\* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference

\* Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference

\* Bug 438945

- [1.8] NullPointerException InferenceContext18.checkExpression in java 8 with generics, primitives, and overloading

- \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- \* Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
- \* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
- \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- \* Bug 470542 - NullPointerException in ReferenceExpression.isPotentiallyCompatibleWith (962)
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contribution for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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\* Andy Clement

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\* IBM Corporation - initial API and implementation

\* Palo Alto Research Center, Incorporated - AspectJ adaptation

\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor

\* bug 370639 - [compiler][resource] restore the default for resource

leak warnings

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding

\* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.

\* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation

\* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

\* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload

context

\* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?

\* Bug 427483 - [Java 8] Variables

in lambdas sometimes can't be resolved

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 428352 - [1.8][compiler] Resolution errors don't always surface

\* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression

\* Andy Clement (GoPivotal, Inc) [aclement@gopivotal.com](mailto:aclement@gopivotal.com) - Contributions for

\* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic

bridge method

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/index/DiskIndex.java  
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\*  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ISourceElementRequestor.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionJavadocParser.java

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/impl/ITypeRequestor.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/CopyResourceElementsOperation.java
*
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jar/org/aspectj/org/eclipse/jdt/internal/core/JarPackageFragmentRootInfo.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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*   Bug 407191 - [1.8] Binary access support for type annotations
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jar/org/aspectj/weaver/BoundedReferenceType.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/BoundedReferenceType.java
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\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug

415291 - [1.8][null] differentiate type incompatibilities due to null annotations

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 425460 - [1.8] [inference] Type not inferred on stream.toArray

\* Bug 426792 - [1.8][inference][impl] generify new type inference engine

\* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

- \* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
- \* Bug 441693 -
- [1.8][null] Bogus warning for type argument annotated with @NonNull
- \* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
- \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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- \* Bug 458577 - IClassFile.getWorkingCopy() may lead to NPE in BecomeWorkingCopyOperation
- \* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
- \* Bug 462768 - [null] NPE when using linked folder for external annotations

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\* Helen Hawkins converted to new interface (pr148190)

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\* Benjamin Muskalla - Contribution for bug 239066

\* Stephan Herrmann - Contributions for

\* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used

\* bug 295551 - Add option to automatically promote all warnings to errors

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug

370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 366063 - Compiler should not add synthetic @NonNull annotations

\* bug 374605 - Unreasonable warning for enum-based switch statements

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated

- \* bug 383368 - [compiler][null] syntactic null analysis for field references
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
  - \* Jesper Steen Moller - Contributions for
  - \* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code
  - \* bug 407297 - [1.8][compiler] Control generation of parameter names by option
- \*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/TypeCategoryTypePattern.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/TypeCategoryTypePattern.java  
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 jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/Receiver.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/core/jdom/AbstractDOMBuilder.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/core/dom/NullLiteral.java  
 \*  
 /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/compiler/util/GenericXMLWriter.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/core/jdom/DOMNode.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/core/dom/EnumDeclaration.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/core/MultiOperation.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/core/UserLibraryManager.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/core/dom/VariableDeclarationExpression.java  
 \*  
 /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/compiler/parser/RecoveredLocalVariable.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/core/BufferCache.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnKeyword1.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/core/dom/EnhancedForStatement.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/ListRewriteEvent.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/core/dom/SuperMethodInvocation.java  
 \*

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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnMessageSend.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/IErrorHandlingPolicy.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/RewriteEvent.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/NodeInfoStore.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/ParentthesizedExpression.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnKeyword2.java
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jar/org/aspectj/weaver/AnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/ArrayAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/AnnotationAnnotationValue.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/patterns/IVerificationRequired.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/AnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/SimpleAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/asm/IModelFilter.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/ClassAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/patterns/IVerificationRequired.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/ArrayAnnotationValue.java
```

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*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/EnumAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/AnnotationNameValuePair.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/ClassAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/EnumAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/AnnotationAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/AnnotationNameValuePair.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/SimpleAnnotationValue.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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*   Alexandre Vasseur support for @AJ perClause
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jar/org/aspectj/ajdt/internal/compiler/lookup/EclipseSourceType.java
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\* Stephan Herrmann - Contribution for  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/BreakStatement.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/flow/SwitchFlowContext.java

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* Andy Clement IBM initial implementation 30-May-2004  
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jar/org/aspectj/bridge/WeaveMessage.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/bridge/WeaveMessage.java
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jar/org/aspectj/weaver/tools/cache/CacheKeyResolver.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/weaver/tools/cache/CacheStatistics.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/tools/cache/DefaultCacheKeyResolver.java  
*
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```
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/tools/cache/DefaultCacheFactory.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/weaver/tools/cache/CacheFactory.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/tools/cache/CacheFactory.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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jar/org/aspectj/weaver/tools/cache/DefaultCacheFactory.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/CacheKeyResolver.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/CacheStatistics.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/DefaultCacheKeyResolver.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/util/GenericSignature.java  
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\* Stephan Herrmann - Contributions for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 265744 - Enum switch should warn about missing default

\* bug 374605 - Unreasonable warning for enum-based switch statements

\* bug 381443

- [compiler][null] Allow parameter widening from @NonNull to unannotated

\* Bug 441208 - [1.8][null] SuppressWarnings("null") does not suppress / marked Unnecessary

\* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),

Collection#remove(Object) et al.

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*   Jesper S Moller - Contributions for
*     bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
*   Stephan Herrmann - Contribution for
*     bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 416182 - [1.8][compiler][null]
*   Contradictory null annotations not rejected
*****/

```

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```

* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/ProblemReasons.java

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*   IBM Corporation - added J2SE 1.5 support
*   Stephan Herrmann - Contribution for
*     Bug 463533 - Signature.getSignatureSimpleName() returns different results for resolved and unresolved extends
*****/

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*     bug 384380 - False positive on a "Potential null pointer access" after a continue  
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
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\* Stephan Herrmann - Contribution for  
\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
\*\*\*\*\*/

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\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/Initializer.java  
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\* (originally in org.aspectj.org.eclipse.jdt.apt.core)

\* IBM Corporation - Bug 513790

\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/ajdt/core/dom/AjASTFactory.java

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\* Contributors:  
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\* Andy Clement pushed down into bcel module  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/LineNumberTag.java

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\* AndyClement extracted as self contained type from Lint type (4-Aug-06)  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/LintMessage.java

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - inconsistent initialization of classpath container backed by external class folder, see <https://bugs.eclipse.org/320618>  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/ExternalFolderChange.java  
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\* tyeung@bea.com - initial API and implementation  
\* olivier\_thomann@ca.ibm.com - add hashCode() and equals(..) methods  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/EnumConstantSignature.java  
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jar/org/aspectj/apache/bcel/generic/LocalVariableTag.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/apache/bcel/generic/Tag.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/apache/bcel/generic/Tag.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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*   Mik Kersten revisions, added additional relationships
*   Alexandre Vasseur    support for @AJ style
* *****
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*     bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
*     bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*     bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred
checking
*     Bug 422796 - [compiler][null] boxed boolean reported as potentially null after
```

null test in lazy disjunction

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*     Bug 427438 - [1.8][compiler] NPE at
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28
0)
*****/
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jar/org/aspectj/apache/bcel/util/DefaultClassLoaderReference.java  
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jar/org/aspectj/apache/bcel/generic/SwitchBuilder.java  
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jar/org/aspectj/apache/bcel/generic/Type.java  
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jar/org/aspectj/apache/bcel/classfile/InnerClass.java  
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jar/org/aspectj/apache/bcel/generic/FieldOrMethod.java  
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jar/org/aspectj/apache/bcel/classfile/ClassFormatException.java  
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jar/org/aspectj/apache/bcel/generic/LineNumberGen.java  
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jar/org/aspectj/apache/bcel/classfile/Node.java  
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jar/org/aspectj/apache/bcel/classfile/NestMembers.java  
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jar/org/aspectj/apache/bcel/classfile/ConstantMethodref.java  
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jar/org/aspectj/apache/bcel/generic/InstructionSelect.java  
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jar/org/aspectj/apache/bcel/classfile/ConstantDouble.java  
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 jar/org/aspectj/apache/bcel/generic/CodeExceptionGen.java  
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 jar/org/aspectj/apache/bcel/Repository.java  
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 jar/org/aspectj/apache/bcel/generic/FieldOrMethod.java  
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 jar/org/aspectj/apache/bcel/generic/InstructionByte.java  
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 jar/org/aspectj/apache/bcel/generic/LocalVariableGen.java  
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 jar/org/aspectj/apache/bcel/classfile/Constant.java  
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 jar/org/aspectj/apache/bcel/classfile/ConstantDouble.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/generic/InstructionList.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/classfile/ClassParser.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/classfile/ConstantInteger.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/util/ClassLoaderReference.java  
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 /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/classfile/Code.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/generic/LOOKUPSWITCH.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/classfile/ClassVisitor.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/classfile/ConstantLong.java  
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 jar/org/aspectj/apache/bcel/generic/InvokeInstruction.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/apache/bcel/util/NonCachingClassLoaderRepository.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/LineNumberGen.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/SwitchBuilder.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/BasicType.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ExceptionTable.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/ExceptionConstants.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantInvokeDynamic.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/StackMapType.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantUtf8.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/util/ClassLoaderRepository.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/BranchHandle.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/JavaClass.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/LocalVariableTable.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/LOOKUPSWITCH.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/Field.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/ReturnaddressType.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantNameAndType.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/util/ByteSequence.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/ArrayType.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantLong.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/ArrayType.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/BranchHandle.java

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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/InnerClass.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantInterfaceMethodref.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/MULTIANEWARRAY.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantMethodHandle.java  
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jar/org/aspectj/apache/bcel/generic/InstructionShort.java  
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jar/org/aspectj/apache/bcel/generic/FieldGenOrMethodGen.java  
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jar/org/aspectj/apache/bcel/classfile/BootstrapMethods.java  
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jar/org/aspectj/apache/bcel/classfile/ConstantDynamic.java  
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jar/org/aspectj/apache/bcel/classfile/Deprecated.java  
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jar/org/aspectj/apache/bcel/generic/InstructionFactory.java  
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 jar/org/aspectj/apache/bcel/generic/TargetLostException.java  
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 jar/org/aspectj/apache/bcel/classfile/ConstantMethodType.java



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jar/org/aspectj/apache/bcel/classfile/ConstantFloat.java
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jar/org/aspectj/apache/bcel/generic/ClassGenException.java
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*
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/LineNumber.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/generic/InstructionConstants.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/ConstantObject.java

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\* Contributors:  
\* IBM Corporation - initial API and implementation  
\* Matt McCutchen - partial fix for [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=122995](https://bugs.eclipse.org/bugs/show_bug.cgi?id=122995)  
\* Karen Moore - fix for [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=207411](https://bugs.eclipse.org/bugs/show_bug.cgi?id=207411)  
\* Stephan Herrmann <[stephan@cs.tu-berlin.de](mailto:stephan@cs.tu-berlin.de)> - Contributions for  
\* bug 185682 - Increment/decrement operators mark local variables as read  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 365519 - editorial cleanup after  
bug 186342 and bug 365387  
\* bug 374605 - Unreasonable warning for enum-based switch statements  
\* bug 384870 - [compiler] @Deprecated annotation not detected if preceded by other annotation  
\* bug 393719 - [compiler] inconsistent warnings on iteration variables  
\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.  
\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
\* Bug 424742 - [1.8] NPE in LambdaExpression.isCompatibleWith  
\* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding  
\* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation  
\* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.  
\* Bug 426366  
- [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context  
\* Bug 427282 - [1.8][compiler] AIOOB (-1) at  
org.aspectj.org.eclipse.jdt.internal.compiler.ClassFile.traverse(ClassFile.java:6209)  
\* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved  
\* Bug 428352 - [1.8][compiler] Resolution errors don't always surface  
\* Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varargs  
\* Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8  
\* Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables  
\* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull  
\* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference  
\* Bug 446442 - [1.8] merge null annotations from super methods

- \* Bug 437072 - [compiler][null] Null analysis  
emits possibly incorrect warning for new int[][] despite @NonNullByDefault
  - \* Jesper S Moller - Contributions for
  - \* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
  - \* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
  - \* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
  - \* bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
  - \* bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
  - \* Till Brychcy - Contributions for
  - \* bug 467094 - [1.8][null] TYPE\_USE NullAnnotations of array contents are applied to field.
- \*\*\*\*\*/

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  - \* Contributors:
  - \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>
  - \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] IndexOutOfBoundsException in TokenManager - <https://bugs.eclipse.org/462945>
  - \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] follow up bug for comments - <https://bugs.eclipse.org/458208>
  - \* IBM Corporation - DOM AST changes for JEP 354
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\* Matthew Webster, Adrian Colyer, John Kew + Lyor Goldstein (caching)  
\* Martin Lippert initial implementation  
\* \*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Around.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Before.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Pointcut.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/lang/annotation/AfterReturning.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Before.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-  
jar/org/aspectj/lang/ProceedingJoinPoint.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/AfterReturning.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/bcel/BcelPerClauseAspectAdder.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/AfterThrowing.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/lang/annotation/After.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-  
jar/org/aspectj/lang/annotation/AfterThrowing.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Around.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Pointcut.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Around.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/DeclarePrecedence.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/lang/annotation/AfterThrowing.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/Aspect.java

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*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*****/
```

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* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/Javadoc.java
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jar/org/aspectj/weaver/bcel/AnnotationAccessVar.java
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/bcel/AnnotationAccessVar.java
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\* Stephan Herrmann - Contribution for

\* bug 383368 - [compiler][null] syntactic null analysis for field references

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\* Jesper S Moller - Contributions for

\* Bug 378674 - "The method can be declared as static" is wrong

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/IGenericMethod.java  
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\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/SaveIndex.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/jdom/ILineStartFinder.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/ISourceMethod.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/CompletionRequestorAdapter.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/ISourceType.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/ISourceField.java  
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\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/builder/AbortIncrementalBuildException.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/IPathRequestor.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/IBinaryNestedType.java

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*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 365519 - editorial cleanup after bug 186342 and bug 365387
*     Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*     Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*     Bug 435570 - [1.8][null] @NonNullByDefault
*     illegally tries to affect "throws E"
*     Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this
location
*     Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
*     Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*     Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly
*****
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```

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*/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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*/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\* Bug 407191 - [1.8] Binary access support for type annotations  
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\* IBM Corporation - added support for requesting updates of a particular

\* container for generic container operations.

\* - canUpdateClasspathContainer(IPath, IJavaProject)

\* - requestClasspathContainerUpdate(IPath, IJavaProject, IClasspathContainer)

\* IBM Corporation - allow initializers to provide a readable description

\* of a container reference, ahead of actual resolution.

\*

- getDescription(IPath, IJavaProject)

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*   IBM Corporation - initial API and implementation
*   Terry Parker <tparker@google.com>
*     - Contribution for https://bugs.eclipse.org/bugs/show_bug.cgi?id=372418
*     - Another problem with inner classes referenced from jars or class folders: "The type ... cannot be resolved"
*   Stephan Herrmann - Contribution for
*     Bug 392727 - Cannot compile project when a java file contains $ in its file name
*     Bug 440477 - [null] Infrastructure for feeding external annotations
into compilation
*****/

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* Contributors:
*   wharley@bea.com - initial API and implementation
*
*****/

```

Found in path(s):

```
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/dispatch/HookedJavaFileObject.java
```

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\* Stephan Herrmann - Contribution for

\* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations

\* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis

\* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief

\* Till Brychcy - Contribution for

\* Bug 473713

- [1.8][null] Type mismatch: cannot convert from @NonNull A1 to @NonNull A1

\*\*\*\*\*

/\* Cache the derived type, tagging it as a derivative of both the key type and the naked type.

E.g: int @NonNull [] would be tagged as a derived type of both int and int []. This is not needed for correctness, but for annotated object reuse. We provide two alternate ways to annotate a type:

Taking parameterized types as an example, a call to `getParamaterizedType` can be made with annotations to create `@NonNull List<@NonNull String>` in one stroke. Or a parameterized type can be created first and then annotated via `getAnnotatedType`. In the former case, the tables get looked up with `List` as the key, in the latter with `List<String>` as the key.

Binary vs source, substitutions, annotation re-attribution from SE7 locations etc trigger these alternate code paths. Unless care is exercised, we will end up with duplicate objects (that share the same `TypeBinding.id` => correctness is not an issue, but memory wastage is)

\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/NamedMember.java  
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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
\* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator  
\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation  
\*\*\*\*\*/

Found

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/ExtendedAnnotation.java  
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\*   IBM Corporation - Bug fixes  
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\* Contributors:  
\*   tyeung@bea.com - initial API and implementation  
\*   olivier\_thomann@ca.ibm.com - add hashCode() and equals(..) methods  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/classfmt/AnnotationInfo.java  
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\*   IBM Corporation - initial API and implementation  
\*   Kelly Campbell <kellyc@google.com> - Hangs in SourceMapper during java proposals -

https://bugs.eclipse.org/bugs/show\_bug.cgi?id=281575

\* Stephan Herrmann - Contribution for Bug 380048 - error popup when navigating to source files  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/IModuleAwareNameEnvironment.java

\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/IMultiModuleEntry.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/builder/ModulePathEntry.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/internal/lang/Placeholder.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/internal/lang/Placeholder.java  
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* Stephan Herrmann - Contribution for  
* Bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files  
* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
***/
```

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* Contributors:  
*   Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly,  
*   especially when max line width is set - https://bugs.eclipse.org/303519  
*   Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
*   Bug 473178  
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*   Harry Terkelsen (het@google.com) - Bug 449262 - Allow the use of third-party Java formatters  
*   Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions  
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* Alex Vasseur wired up for @AJ proceeding  
* Andy Clement 23-06-06 added extras for @AJ  
* ****/
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jar/org/aspectj/runtime/internal/AroundClosure.java  
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/runtime/internal/AroundClosure.java  
*  
/opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/runtime/internal/AroundClosure.java
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/ReductionResult.java  
* /opt/cola/permits/1017214397_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/InferenceFailureException.java
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\* Jesper S Moller - Contributions for

\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

\* Stephan Herrmann - Contribution for

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3

Functional Interface Parameterization Inference"

\* Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType

\* Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression

\* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error

\* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 428352 - [1.8][compiler] Resolution errors don't always surface

\* Bug 446442 - [1.8] merge null annotations from super methods

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

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\* PARC initial implementation  
\* Mik Kersten 2004-07-26 extended to allow overloading of  
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\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
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*   Stephan Herrmann - Contributions for
*     bug 335093 - [compiler][null] minimal hook for future null annotation support
*     bug 349326 - [1.7] new warning for missing try-with-resources
*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 365983 - [compiler][null] AIOOB with null annotation analysis and varargs
*     bug 368546 - [compiler][resource] Avoid remaining false positives found when
    compiling the Eclipse SDK
*     bug 370930 - NonNull annotation not considered for enhanced for loops
*     bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*     bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*     bug 331649 - [compiler][null] consider null annotations for fields
*     bug 383368 - [compiler][null] syntactic null analysis for field references
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*     Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*     Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*     Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
*     Bug 417758 - [1.8][null] Null safety compromise
    during array creation.
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
*     Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions
*     Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*     Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException
    instead of IOException)
*     Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*     Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*     Bug 455723 - Nonnull argument not correctly inferred in loop
*     Andy Clement - Contributions for
*       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
    work)
*       Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
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\* Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 317046 - Exception during debugging when hover mouse over a field

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 424712 - [1.8][compiler] NPE in TypeBinding.isProvablyDistinctTypeArgument

\* Bug 426792 - [1.8][inference][impl] generify new type inference engine

\* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler

\* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"

\* Bug 427626 - [1.8] StackOverflow while typing new ArrayList<String>().toArray( and asking for code completion

\* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

\* Bug 435962 - [RC2] StackOverFlowError when building

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

\* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

\* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations

\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

\* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

\*

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/TypeBinding.java

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```

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jar/org/aspectj/weaver/PoliceExtensionUse.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/PoliceExtensionUse.java
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 *   Stephan Herrmann - Contributions for
 *     bug 186342 - [compiler][null] Using annotations for null checking
 *     bug 331649 - [compiler][null] consider null annotations for fields
 *     bug 383368 - [compiler][null] syntactic null analysis for field references
 *     bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
 *     bug 403086 - [compiler][null] include the effect of 'assert'
 *     in syntactic null analysis for fields
 */
```

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jar/org/aspectj/lang/annotation/RequiredTypes.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-
jar/org/aspectj/lang/annotation/RequiredTypes.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/lang/annotation/RequiredTypes.java

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* Stephan Herrmann - Contribution for
* Bug 432977 - [1.8][null] Incorrect 'type is not visible' compiler error
* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations

```

```

*****/

```

```

/* Taking the binding of QTR as an example, there could be different annotatable components, but we come in a
with a single binding, e.g:

```

```

@T Z;                type => Z annotations => [[@T]]
@T Y.@T Z           type => Z annotations => [[@T][@T]]
@T X.@T Y.@T Z     type => Z annotations => [[@T][@T][@T]]
java.lang.@T X.@T Y.@T Z   type => Z annotations => [[][@T][@T][@T]]

```

in all these cases the incoming type binding is for Z, but annotations are for different levels. We need to align their layout for proper attribution.

```

*/

```

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```

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/AnnotatableTypeSystem.java

```

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* Contributors:
*   Xerox/PARC   initial implementation
*   Helen Hawkins   Converted to new interface (bug 148190)
*****/

```

Found in path(s):

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```

\* Contributors:  
\* tyeung@bea.com - initial API and implementation  
\* IBM Corporation - implemented methods from IBinding  
\* IBM Corporation - renamed from ResolvedAnnotation to AnnotationBinding  
\* IBM Corporation - Fix for 328969  
\*\*\*\*\*/

Found in path(s):  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/AnnotationBinding.java  
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\* Alexandre Vasseur initial implementation  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/MethodDelegateTypeMunger.java  
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\* Helen Hawkins - initial version (bug 148190)  
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\* Bug 377883 - NPE on open Call Hierarchy  
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\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
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*   Carmi Grushko - Bug 465048 - Binding is null for class literals in synchronized blocks
*****/
```

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/SynchronizedStatement.java
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jar/org/aspectj/apache/bcel/classfile/annotation/NameValuePair.java
*/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/NameValuePair.java
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*   IBM Corporation - initial API and implementation
*   Vladimir Piskarev <pisv@1c.ru> - Building large Java element deltas is really slow -
https://bugs.eclipse.org/443928
*****/
```

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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- \* bug 186342 - [compiler][null] Using annotations for null checking
- \* bug 387612 - Unreachable catch block...exception is never thrown from the try
- \* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
- \* bug 401456 - Code compiles from javac/intellij, but fails from eclipse
- \* bug 401271 - StackOverflowError
- when searching for a methods references
- \* bug 405706 - Eclipse compiler fails to give compiler error when return type is a inferred generic
- \* Bug 408441 - Type mismatch using Arrays.asList with 3 or more implementations of an interface with the interface type as the last parameter
- \* Bug 413958 - Function override returning inherited Generic Type
- \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- \* Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations
- \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.LocalVariableBinding
- \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- \* Bug 424415 - [1.8][compiler]
- Eventual resolution of ReferenceExpression is not seen to be happening.
- \* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- \* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- \* Bug 426589 - [1.8][compiler] Compiler error with generic method/constructor invocation as vargs argument
- \* Bug 426590 - [1.8][compiler] Compiler error with tenary operator
- \* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
- \* Bug 426998 - [1.8][compiler] method(java.lang.Class, java.lang.String) not applicable for the arguments (java.lang.Class, java.lang.String)
- \* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
- \* Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
- \* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- \* Bug
- 427728 - [1.8] Type Inference rejects calls requiring boxing/unboxing
- \* Bug 427218 - [1.8][compiler] Verify error varargs + inference
- \* Bug 426836 - [1.8] special handling for return type in references to method getClass()?
- \* Bug 427628 - [1.8] regression : The method \* is ambiguous for the type \*
- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- \* Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type
- Bindings
- \* Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location
- \* Bug 428811 - [1.8][compiler] Type witness unnecessarily required
- \* Bug 429424 - [1.8][inference] Problem inferring type of method's parameter
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

- \* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
  - \* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
  - \* Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
  - \* Bug 452194 - Code no longer compiles in 4.4.1, but with confusing error
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 456236 - [1.8][null] Cannot infer type when constructor argument is annotated with @Nullable
  - \* Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][] despite @NonNullByDefault
  - \* Bug 462083 - [1.8][inference] Java 8 generic return type mismatch with interface involving type parameter.
  - \* Jesper S Moller - Contributions for
  - \* Bug 378674 - "The method can be declared as static" is wrong
  - \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
  - \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
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/\*\*  
 \* Returns the classpath entry that is making a reference to this classpath entry. For entry kinds  
 \* { @link #CPE\_LIBRARY }, the return value is the entry that is representing the JAR that includes  
 \* `this` in the MANIFEST.MF file's Class-Path section. For entry kinds other than  
 \* { @link #CPE\_LIBRARY }, this returns `null`. For those entries  
 that are on the raw classpath already,  
 \* this returns `null`.  
 \* 

<p>  
 \* It is possible that multiple library entries refer to the same entry  
 \* via the MANIFEST.MF file. In those cases, this method returns the first classpath entry  
 \* that appears in the raw classpath. However, this does not mean that the other referencing  
 \* entries do not relate to their referenced entries.

\* See { @link JavaCore#getReferencedClasspathEntries(IClasspathEntry, IJavaProject)} for  
 \* more details.  
 \* </p>  
 \*  
 \* @return the classpath entry that is referencing this entry or <code>null</code> if  
 \* not applicable.  
 \* @since 3.6  
 \*/

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 jar/org/aspectj/org/eclipse/jdt/core/IClasspathEntry.java

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\* Genady Beriozkin - added support for reporting assignment with no effect

\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 292478 - Report potentially null across variable assignment

\* bug 335093 - [compiler][null] minimal hook for future null annotation support

\* bug 349326 - [1.7] new warning for missing

try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 402993 - [null] Follow up of bug 401088: Missing

warning about redundant null check

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred  
 checking

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 427438 - [1.8][compiler] NPE at  
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28  
0)  
\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops  
\* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/Assignment.java  
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\* Stephan Herrmann - Contribution for  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred  
checking  
\*\*\*\*\*/

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in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/ArrayReference.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/util/ClassPath.java

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\* Andy Clement - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Jesper Steen Moeller - Contribution for

\* Bug 406973 - [compiler] Parse MethodParameters attribute

\*\*\*\*\*/

Found in path(s):

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\* IBM Corporation - added the following constants  
\*     NonStaticAccessToStaticField  
\*     NonStaticAccessToStaticMethod  
\*     Task  
\*     ExpressionShouldBeAVariable  
\*     AssignmentHasNoEffect  
\* IBM Corporation - added the following constants  
\*     TooManySyntheticArgumentSlots  
\*     TooManyArrayDimensions  
\*     TooManyBytesForStringConstant  
\*     TooManyMethods  
\*     TooManyFields  
\*     NonBlankFinalLocalAssignment  
\*     ObjectCannotHaveSuperTypes  
\*     MissingSemiColon  
\*     InvalidParenthesizedExpression  
\*     EnclosingInstanceInConstructorCall  
\*     BytecodeExceeds64KLimitForConstructor  
\*     IncompatibleReturnTypeForNonInheritedInterfaceMethod  
\*     UnusedPrivateMethod  
\*     UnusedPrivateConstructor  
\*     UnusedPrivateType  
\*     UnusedPrivateField  
\*     IncompatibleExceptionInThrowsClauseForNonInheritedInterfaceMethod  
\*     InvalidExplicitConstructorCall  
\* IBM Corporation - added the following constants  
\*     PossibleAccidentalBooleanAssignment  
\*     SuperfluousSemicolon  
\*     IndirectAccessToStaticField  
\*     IndirectAccessToStaticMethod  
\*     IndirectAccessToStaticType  
\*     BooleanMethodThrowingException  
\*     UnnecessaryCast  
\*     UnnecessaryArgumentCast  
\*     UnnecessaryInstanceOf  
\*

FinallyMustCompleteNormally

- \* UnusedMethodDeclaredThrownException
- \* UnusedConstructorDeclaredThrownException
- \* InvalidCatchBlockSequence
- \* UnqualifiedFieldAccess
- \* IBM Corporation - added the following constants
- \* Javadoc
- \* JavadocUnexpectedTag
- \* JavadocMissingParamTag
- \* JavadocMissingParamName
- \* JavadocDuplicateParamName
- \* JavadocInvalidParamName
- \* JavadocMissingReturnTag
- \* JavadocDuplicateReturnTag
- \* JavadocMissingThrowsTag
- \* JavadocMissingThrowsClassName
- \* JavadocInvalidThrowsClass
- \* JavadocDuplicateThrowsClassName
- \* JavadocInvalidThrowsClassName
- \* JavadocMissingSeeReference
- \* JavadocInvalidSeeReference
- \* JavadocInvalidSeeHref
- \* JavadocInvalidSeeArgs
- \* JavadocMissing
- \* JavadocInvalidTag
- \* JavadocMessagePrefix
- \* EmptyControlFlowStatement
- \* IBM Corporation - added the following constants
- \* IllegalUsageOfQualifiedTypeReference
- \* InvalidDigit
- \* IBM Corporation - added the following constants
- \* ParameterAssignment
- \* FallthroughCase
- \* IBM Corporation - added the following constants
- \* UnusedLabel
- \* UnnecessaryNLSTag
- \* LocalVariableMayBeNull
- \* EnumConstantsCannotBeSurroundedByParenthesis
- \* JavadocMissingIdentifier
- \* JavadocNonStaticTypeFromStaticInvocation
- \* RawTypeReference
- \* NoAdditionalBoundAfterTypeVariable
- \* UnsafeGenericArrayForVarargs
- \* IllegalAccessFromTypeVariable
- \* AnnotationValueMustBeArrayInitializer
- \* InvalidEncoding
- \* CannotReadSource

- \* EnumStaticFieldInInInitializerContext
- \* ExternalProblemNotFixable
- \* ExternalProblemFixable
- \* IBM Corporation - added the following constants
- \* AnnotationValueMustBeAnEnumConstant
- \* OverridingMethodWithoutSuperInvocation
- \* MethodMustOverrideOrImplement
- \* TypeHidingTypeParameterFromType
- \* TypeHidingTypeParameterFromMethod
- \* TypeHidingType
- \* IBM Corporation - added the following constants
- \* NullLocalVariableReference
- \* PotentialNullLocalVariableReference
- \* RedundantNullCheckOnNullLocalVariable
- \* NullLocalVariableComparisonYieldsFalse
- \* RedundantLocalVariableNullAssignment
- \* NullLocalVariableInstanceofYieldsFalse
- \* RedundantNullCheckOnNonNullLocalVariable
- \* NonNullLocalVariableComparisonYieldsFalse
- \* IBM Corporation - added the following constants
- \* InvalidUsageOfTypeParametersForAnnotationDeclaration
- \* InvalidUsageOfTypeParametersForEnumDeclaration
- \* IBM Corporation - added the following constants
- \* RedundantSuperinterface
- \* Benjamin Muskalla - added the following constants
- \* MissingSynchronizedModifierInInheritedMethod
- \* Stephan Herrmann - added the following constants
- \* UnusedObjectAllocation
- \* PotentiallyUnclosedCloseable
- \* PotentiallyUnclosedCloseableAtExit
- \* UnclosedCloseable
- \* UnclosedCloseableAtExit
- \* ExplicitlyClosedAutoCloseable
- \* RequiredNonNullButProvidedNull
- \* RequiredNonNullButProvidedPotentialNull
- \* RequiredNonNullButProvidedUnknown
- \* NullAnnotationNameMustBeQualified
- \* IllegalReturnNullityRedefinition
- \* IllegalRedefinitionToNonNullParameter
- \* IllegalDefinitionToNonNullParameter
- \* ParameterLackingNonNullAnnotation
- \* ParameterLackingNullableAnnotation
- \* PotentialNullMessageSendReference
- \* RedundantNullCheckOnNonNullMessageSend
- \* CannotImplementIncompatibleNullness
- \* RedundantNullAnnotation
- \* RedundantNullDefaultAnnotation
- \* RedundantNullDefaultAnnotationPackage

- \* RedundantNullDefaultAnnotationType
- \* RedundantNullDefaultAnnotationMethod
- \* ContradictoryNullAnnotations
- \* IllegalAnnotationForBaseType
- \* RedundantNullCheckOnSpecdNonNullLocalVariable
- \* SpecdNonNullLocalVariableComparisonYieldsFalse
- \* RequiredNonNullButProvidedSpecdNullable
- \* MissingDefaultCase
- \* MissingEnumConstantCaseDespiteDefault
- \* UninitializedLocalVariableHintMissingDefault
- \* UninitializedBlankFinalFieldHintMissingDefault
- \* ShouldReturnValueHintMissingDefault
- \* IllegalModifierForInterfaceDefaultMethod
- \* InheritedDefaultMethodConflictsWithOtherInherited
- \* ConflictingNullAnnotations
- \* ConflictingInheritedNullAnnotations
- \* UnsafeElementTypeConversion
- \* ArrayReferencePotentialNullReference
- \* DereferencingNullableExpression
- \* NullityMismatchingTypeAnnotation
- \* NullityMismatchingTypeAnnotationSuperHint
- \* NullityUncheckedTypeAnnotationDetail
- \* NullityUncheckedTypeAnnotationDetailSuperHint
- \* NullableFieldReference
- \* UninitializedNonNullField
- \* UninitializedNonNullFieldHintMissingDefault
- \* NonNullMessageSendComparisonYieldsFalse
- \* RedundantNullCheckOnNonNullSpecdField
- \* NonNullSpecdFieldComparisonYieldsFalse
- \* NonNullExpressionComparisonYieldsFalse
- \* RedundantNullCheckOnNonNullExpression
- \* ReferenceExpressionParameterNullityMismatch
- \* ReferenceExpressionParameterNullityUnchecked
- \* ReferenceExpressionReturnNullRedef
- \* ReferenceExpressionReturnNullRedefUnchecked
- \* DuplicateInheritedDefaultMethods
- \* SuperAccessCannotBypassDirectSuper
- \* SuperCallCannotBypassOverride
- \* ConflictingNullAnnotations
- \* ConflictingInheritedNullAnnotations
- \* UnsafeElementTypeConversion
- \* PotentialNullUnboxing
- \* NullUnboxing
- \* NullExpressionReference
- \* PotentialNullExpressionReference
- \* RedundantNullCheckAgainstNonNullType
- \* NullAnnotationUnsupportedLocation
- \* NullAnnotationUnsupportedLocationAtType

```

* NullityMismatchTypeArgument
* ContradictoryNullAnnotationsOnBound
* UnsafeNullnessCast
*   ContradictoryNullAnnotationsInferred
*   NonNullDefaultDetailIsNotEvaluated
*   NullNotCompatibleToFreeTypeVariable
*   NullityMismatchAgainstFreeTypeVariable
*   ImplicitObjectBoundNonNullDefault
*   IllegalParameterNullityRedefinition
*   ContradictoryNullAnnotationsInferredFunctionType
*   IllegalReturnNullityRedefinitionFreeTypeVariable
*   UnlikelyCollectionMethodArgumentType
*   UnlikelyEqualsArgumentType
* Jesper S Moller - added the following constants
*   TargetTypeNotAFunctionalInterface
*   OuterLocalMustBeEffectivelyFinal
*   IllegalModifiersForPackage
*   DuplicateAnnotationNotMarkedRepeatable
*   DisallowedTargetForContainerAnnotation
*   RepeatedAnnotationWithContainerAnnotation
*   ContainingAnnotationMustHaveValue
*   ContainingAnnotationHasNonDefaultMembers
*   ContainingAnnotationHasWrongValueType
*   ContainingAnnotationHasShorterRetention
*   RepeatableAnnotationHasTargets
*   RepeatableAnnotationTargetMismatch
*   RepeatableAnnotationIsDocumented
*   RepeatableAnnotationIsInherited
*   RepeatableAnnotationWithRepeatingContainerAnnotation
*   VarLocalMultipleDeclarators
*   VarLocalCannotBeArray
*   VarLocalReferencesItself
*   VarLocalWithoutInitializer
*   VarLocalInitializedToNull
*   VarLocalCannotBeArrayInitializers
*   VarLocalCannotBeLambda
*   VarLocalCannotBeMethodReference
*   VarIsReserved
*   VarIsReservedInFuture
*   VarIsNotAllowedHere
*****/

```

Found in path(s):

```

* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/compiler/IProblem.java

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\* Xerox/PARC initial implementation  
\* Helen Hawkins Converted to new interface (bug 148190)  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/BinaryContainer.java

\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/AddJrtToIndex.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/env/PackageExportImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/UsesStatement.java

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\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* Bug 417758 - [1.8][null] Null safety compromise during array creation.

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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* Contributors:
*   IBM Corporation - initial API and implementation
*   Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*       bug 133125 - [compiler][null] need to report the null status of expressions and analyze them simultaneously
*       bug 292478 - Report potentially null across variable assignment
*       bug 324178 - [null] ConditionalExpression.nullStatus(..) doesn't take into account the analysis of condition itself
*       bug 354554 - [null] conditional with redundant condition
*       yields weak error message
*       bug 349326 - [1.7] new warning for missing try-with-resources
*       bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*       bug 383368 - [compiler][null] syntactic null analysis for field references
*       bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
*       Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*       Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*       Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*       Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*       Bug 426078 - [1.8] VerifyError when conditional expression passed as an argument
*       Bug 427438 - [1.8][compiler] NPE at
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28
0)
*       Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions
*       Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*       Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
*****/

```

Found in path(s):

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/ConditionalExpression.java

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 \* Stephan Herrmann - Contribution for  
 \* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
 \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types  
 \* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files  
 \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
 \* Bug 415850 - [1.8] Ensure RunJDTCORETests  
 can cope with null annotations enabled  
 \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.  
 \* Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varags  
 \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
 \* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class  
 \* Bug 434600 - Incorrect null analysis error reporting on type parameters  
 \* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type  
 \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables  
 \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"  
 \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations  
 \* Bug 437072 - [compiler][null] Null analysis  
 emits possibly incorrect warning for new int[][] despite @NonNullByDefault  
 \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param  
 \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
 \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
 work)  
 \* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code  
 generator  
 \* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code  
 generator  
 \* Jesper S Møller <jesper@selskabet.org> - Contributions for  
 \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type  
 \* bug 529556 - [18.3] Add content assist support for 'var' as a type  
 \*

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- \* Andy Clement - upgrade to support fields targeting generic types

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- \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>

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\* Jesper Steen Møller <jesper@selskabet.org> - contributions for:  
\* Bug 531046: [10] ICodeAssist#codeSelect support for 'var'  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/util/SoftHashMap.java  
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\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

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\* Bug 467482 - TYPE\_USE null annotations: Incorrect "Redundant null check"-warning  
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\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables  
\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
\*\*\*\*\*/

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 185682 - Increment/decrement operators mark local variables as read

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 331649 - [compiler][null]

consider null annotations for fields

\* Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis

\* Jesper S Møller <jesper@selskabet.org> - Contributions for

\* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

\*

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\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

\* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile

\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)

\* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com

- Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

\* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

\* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped

\* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator

generator

\* Bug 415470 - [1.8][compiler] Type annotations on class declaration go vanishing

\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

\* Bug 434556 - Broken class file generated for incorrect annotation usage

\*

Bug 442416 - \$deserializeLambda\$ missing cases for nested lambdas

\* Stephan Herrmann - Contribution for

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Olivier Tardieu tardieu@us.ibm.com - Contributions for

\* Bug 442416 - \$deserializeLambda\$ missing cases for nested lambdas

\*\*\*\*\*/

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\* Stephan Herrmann - Contributions for

\* bug 332637 - Dead Code detection removing code that isn't dead

\* bug 391517 - java.lang.VerifyError on code that runs correctly in Eclipse 3.7 and eclipse 3.6

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

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\* Jesper S Moller - Contributions for  
\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
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\* Andy Clement start of generics upgrade...  
\* Adrian Colyer - overhaul  
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 \* Luiz-Otavio Zorzella <zorzella at gmail dot com> - Improve CamelCase algorithm  
 \* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions  
 \* Stefan Xenos <sxenos@gmail.com> (Google) - Bug 501283 - Lots of hash collisions during indexing  
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 \* Adrian Colyer         refactoring for traversal and grouping by kind  
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\* bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code

\* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

\* bug 421543 - [1.8][compiler] Compiler fails to recognize default method being turned into abstract by subtype

\* Jesper S Moller - Contributions for

\* Bug 405066 - [1.8][compiler][codegen] Implement

code generation infrastructure for JSR335

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

\* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code

generator

\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

\* Bug 449467 - [1.8][compiler] Invalid lambda deserialization with anonymous class

\* Olivier Tardieu (tardieu@us.ibm.com) - Contributions for

\* Bug 442418 - \$deserializeLambda\$ off-by-one error when deserializing the captured arguments of a lambda that also capture this

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*   Stephan Herrmann - Contribution for  
*     Bug 425183 - [1.8][inference] make CaptureBinding18 safe  
*     Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis  
*/
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jar/org/aspectj/tools/ajdoc/Config.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/tools/ajdoc/JavadocRunner.java  
*  
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jar/org/aspectj/tools/ajdoc/StubFileGenerator.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/tools/ajdoc/Main.java
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*       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
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jar/org/aspectj/org/eclipse/jdt/core/util/IExtendedAnnotationConstants.java
```

\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/codegen/AnnotationContext.java  
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\* bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 345305 - [compiler][null]

Compiler misidentifies a case of "variable can only be null"

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

\* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Bug 455723 - Nonnull argument not correctly inferred in loop

\* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch

\* Bug 446691 - [1.8][null][compiler] NullPointerException in SimpleNameReference.analyseCode

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*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
*     Bug 441797 - [1.8] synchronize type annotations on capture and its wildcard
*     Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker
hint from applicability analysis
*     Bug 456924 - StackOverflowError during compilation
*     Bug 462790 - [null] NPE in Expression.computeConversion()
*   Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
*     Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
*****/

```

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/CrosscuttingMembersSet.java  
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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
\* Stephan Herrmann - Contribution for  
\* Bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/HasMemberTypePatternForPerThisMatching.java

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- \* Stephan Herrmann - Contribution for
  - \* bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code
  - \* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
  - \* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

\*\*\*\*\*/

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- \* Stephan Herrmann - Contributions for
  - \* bug 186342 - [compiler][null] Using annotations for null checking
  - \* bug 365519 - editorial cleanup after bug 186342 and bug 365387
  - \* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
- \*\*\*\*\*/

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 328281 - visibility leaks not detected when analyzing unused field in private class

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365836 - [compiler][null] Incomplete propagation of null defaults.

\* bug 365519 - editorial cleanup after bug 186342

and bug 365387

\* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations

\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 366063 - Compiler should not add synthetic @NonNull annotations

\* bug 384663 - Package Based Annotation Compilation Error in JDT 3.8/4.2 (works in 3.7.2)

\* bug 386356 - Type mismatch error with annotations and generics

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 380896 - [compiler][null] Enum constants not recognised as being NonNull.

\* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 416172 - [1.8][compiler][null] null type annotation not evaluated on method return type

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 426048 - [1.8] NPE in TypeVariableBinding.internalBoundCheck when parentheses are not balanced

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

- \* Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8
  - \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
  - \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
  - \* Bug 441693 - [1.8][null]
- Bogus warning for type argument annotated with @NonNull
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
  - \* Bug 461250 - ArrayIndexOutOfBoundsException in SourceTypeBinding.fields
  - \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- Jesper S Moller <jesper@selskabet.org> - Contributions for
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- Till Brychcy - Contributions for
- \* bug 415269 - NonNullByDefault is not always inherited to nested classes
- Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
- Sebastian Zarnekow - Contributions
- for
- \* bug 544921 - [performance] Poor performance with large source files

\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdTypeId.java

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 \* bug 342671 - ClassCastException: org.aspectj.org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot  
 be cast to org.aspectj.org.eclipse.jdt.internal.compiler.lookup.ArrayBinding  
 \* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
 \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
 \* Bug 416181 - [1.8][compiler][null]  
 Invalid assignment is not rejected by the compiler  
 \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
 \* Bug 434600 - Incorrect null analysis error reporting on type parameters  
 \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"  
 \* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>  
 \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param  
 \* Andy Clement - Contributions for  
 \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
 work)

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\*

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\* Helen Hawkins - iniital version

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/TypePattern.java

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\* Contributors:

\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>

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\* Stephan Herrmann - Contributions for  
\* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points  
\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with  
generics (RuntimeException instead of IOException)  
\*\*\*\*\*/

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\* Heavily based on LocalVariableTable  
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\*   generic signature update         Adrian Colyer  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/Aspects.java

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\* Jesper S Moller - Bug 392671  
\* NPE with a method with explicit this and a following incomplete parameter  
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\* tyeung@bea.com - initial API and implementation  
\* IBM Corporation - implemented methods from IBinding  
\* IBM Corporation - renamed from ResolvedMemberValuePair to MemberValuePairBinding  
\* jgarms@bea.com - Fix for IllegalStateException  
\* IBM Corporation - Fix for 223225  
\*\*\*\*\*/

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\* Benjamin Muskalla - Contribution for bug 239066

- \* Stephan Herrmann - Contribution for
  - \* bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance
  - \* bug 388954 - [1.8][compiler] detect default methods in class files
  - \* bug 388281 - [compiler][null] inheritance of null annotations as an option
  - \* bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
  - \* bug 390883 - [1.8][compiler] Unable to override default method
  - \* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
  - \* bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795
  - \* bug 406928 - computation of inherited methods seems damaged (affecting @Overrides)
  - \* bug 409473 - [compiler] JDT cannot compile against JRE 1.8
  - \* Bug 420080 - [1.8] Overridden Default method is reported as duplicated
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*   Stephan Herrmann - Contribution for
*     bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*     Bug 416174 - [1.8][compiler][null] Bogus name clash error with null annotations
*     Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*     Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*     Bug 425783 - An
internal error occurred during: "Requesting Java AST from selection". java.lang.StackOverflowError
*     Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*     Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*****/

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jar/org/aspectj/util/TypeSafeEnum.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for  
\* Bug 320841 - TypeConverters don't set enclosingType  
\* Bug 353474 - type converters should include more annotations  
\*\*\*\*\*/

Found in path(s):  
\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/parser/SourceTypeConverter.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/SimpleCacheFactory.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/SimpleCache.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/SimpleCacheFactory.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/SimpleCache.java  
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*   Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
*     Bug 473178  
*/
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*   Stephan Herrmann - Contribution for
*     Bug 466279 - [hovering] IAE on hover when annotation-based null analysis is enabled
*****/

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```

* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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jar/org/aspectj/weaver/tools/FuzzyBoolean.java

```

```

* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdWorkspaceLocation.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdMethodParameter.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/AbstractTypeFactory.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/ClassFileToIndexConverter.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdTypeAnnotation.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/hierarchy/BindingMap.java  
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\*  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/IndexTester.java



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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdComplexTypeSignature.java  
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mark local variables as read

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\* Stephan Herrmann - Contributions for

\* bug 325755 - [compiler] wrong initialization state after conditional expression

\* bug 320170 - [compiler] [null] Whitebox issues in null analysis

\* bug 292478 - Report potentially null across variable assignment

\* bug 332637 - Dead Code detection removing code that isn't dead

\* bug 341499 - [compiler][null] allocate extra bits in all methods of UnconditionalFlowInfo

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 386181 - [compiler][null] wrong transition in UnconditionalFlowInfo.mergedWith()

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Bug 454031 - [compiler][null][loop] bug in null analysis; wrong "dead code" detection

\* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment

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jar/org/aspectj/org/eclipse/jdt/core/dom/DefaultCommentMapper.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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jar/org/aspectj/org/eclipse/jdt/core/ToolFactory.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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```

- \* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
- \* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
- \* Bug 473178

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- \* John Kew (vmware) initial implementation
- \* Lyor Goldstein (vmware) add support for weaved class being re-defined

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 *     Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
 *     Bug 440687 - [compiler][batch][null] improve command line option for external annotations
 */
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 \* bug 383368 - [compiler][null] syntactic null analysis for field references  
 \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
 \* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking  
 \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
 \* Bug 417295 - [1.8][null]  
 Message type annotated null analysis to gel well with deep encoded type bindings.  
 \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
 \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"  
 \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param  
 \* Andy Clement - Contributions for  
 \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
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 \* Bug 342671 - ClassCastException: org.aspectj.org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to org.aspectj.org.eclipse.jdt.internal.compiler.lookup.ArrayBinding  
 \* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/TypeVariableDeclaringElement.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/db/LongString.java

\*

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\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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\* Bug 458577 - IClassFile.getWorkingCopy() may lead to NPE in BecomeWorkingCopyOperation

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Bug 462768 - [null] NPE when using linked folder for external annotations

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jar/org/aspectj/weaver/tools/WeavingClassLoader.java  
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 \* Stephan Herrmann - Contributions for  
 \* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used  
 \* bug 338303 - Warning about Redundant assignment conflicts with definite assignment  
 \* bug 349326 - [1.7] new warning for missing try-with-resources  
 \* bug 186342 - [compiler][null] Using annotations for null checking  
 \* bug 365519 - editorial cleanup after bug 186342 and bug 365387  
 \* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations  
 \* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults  
 \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations  
 \* bug 374605 - Unreasonable warning for enum-based switch statements  
 \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.  
 \* bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance  
 \* bug 388281 - [compiler][null] inheritance of null annotations as an option  
 \* bug 376053 - [compiler][resource] Strange potential resource leak problems  
 \* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated  
 \* bug 393719 - [compiler] inconsistent warnings on iteration  
 variables  
 \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types  
 \* bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared  
 abstract  
 \* bug 331649 - [compiler][null] consider null annotations for fields  
 \* bug 382789 - [compiler][null] warn when syntactically-nonnull expression is compared against null  
 \* bug 376590 - Private fields with @Inject are ignored by unused field validation  
 \* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic  
 \* bug 402028 - [1.8][compiler] null analysis for reference expressions  
 \* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method  
 \* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super  
 \* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files  
 \* Bug  
 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
 \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
 \* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations  
 \* Bug 415850 - [1.8] Ensure RunJDTCORETests can cope with null annotations enabled  
 \* Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first  
 field  
 \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
 \* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to Files::walk
- \* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
- \* Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type

Bindings

- \* Bug 416190 - [1.8][null] detect incompatible overrides due to null type annotations
- \* Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE\_USE locations
- \* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
- \* Bug 430150 - [1.8][null] stricter checking against type variables
- \* Bug 434600 - Incorrect null analysis error reporting on type parameters
- \* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
- \* Bug 438467 - [compiler][null] Better error position for "The method \_ cannot implement the corresponding method \_ due to incompatible nullness constraints"
- \* Bug 439298 - [null] "Missing code implementation in the compiler" when using @NonNullByDefault in package-info.java
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 446442 - [1.8] merge null annotations from super methods
- \* Bug 455723 - Nonnull argument not correctly inferred in loop
- \* Bug 458361 - [1.8][null] reconciler throws NPE in ProblemReporter.illegalReturnRedefinition()
- \* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
- \* Bug 461878 - [1.7][1.8][compiler][null] ECJ compiler does not allow to use null annotations on annotations
- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.

- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
  - \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
  - \* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
    - \* bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
    - \* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
    - \* bug 412151 - [1.8][compiler] Check repeating annotation's collection type
    - \* bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
    - \* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
    - \* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
    - \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
  - \* bug 386692 - Missing "unused" warning on "autowired" fields

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for  
\* bug 292478 - Report potentially null across variable assignment  
\* bug 332637 - Dead Code detection removing code that isn't dead  
\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional  
\* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement  
\* Bug 421035 - [resource]  
False alarm of resource leak warning when casting a closeable in its assignment  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/flow/FlowInfo.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/NdStruct.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdMethodAnnotationData.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/nd/IndexExceptionBuilder.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/WorkspaceSnapshot.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/field/FieldList.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/indexer/FileStateCache.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/db/ChunkWriter.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/INdStruct.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/java/NdZipEntry.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/util/MathUtils.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/db/ModificationLog.java  
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jar/org/aspectj/org/eclipse/jdt/internal/core/nd/db/RelatedAddress.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/core/DynamicProjectReferences.java  
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jar/org/aspectj/weaver/loadtime/ClassPreProcessor.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/weaver/loadtime/ClassPreProcessorAgentAdapter.java  
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jar/org/aspectj/weaver/loadtime/ClassPreProcessorAgentAdapter.java  
\*  
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\* Andy Clement

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
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\* Stephan Herrmann - Contributions for  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations  
\* bug 331649 - [compiler][null] consider null annotations for fields  
\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
\* Bug 415043 - [1.8][null] Follow-up re null type annotations  
after bug 392099  
\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
\* Bug 415850 - [1.8] Ensure RunJDTCORETests can cope with null annotations enabled  
\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.  
\* Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location  
\* Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE\_USE locations  
\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
- \* Bug 469584 - ClassCastException in Annotation.detectStandardAnnotation (320)
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- \* Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references
- \* Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped
- \* Bug 414384 - [1.8] type annotation on abbreviated inner class is not marked as inner type
- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* Bug 412151 - [1.8][compiler] Check repeating annotation's collection type
- \* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
- \* Bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains

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  - \* Stephan Herrmann - Contribution for Bug 464615 - [dom] ASTParser.createBindings() ignores parameterization of a method invocation

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- \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/ResolvedBinaryField.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/DeclareParents.java

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\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

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\*

/opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/AnyTypePattern.java

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\* Stephan Herrmann - Contribution for

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Karsten Thoms - Bug 532505

\* Sebastian Zarnekow - Contribution for

\* Bug 545491 - Poor performance of ReferenceCollection with many source files

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for  
* bug 292478 - Report potentially null across variable assignment,  
* bug 185682 - Increment/decrement operators mark local variables as read  
* bug 331649 - [compiler][null] consider null annotations for fields  
* bug 383368 - [compiler][null] syntactic null analysis for field references  
* Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException:  
info cannot be null  
* Bug 458396 - NPE in CodeStream.invoke()  
* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null  
* Jesper S Moller - <jesper@selskabet.org> - Contributions for  
* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment  
* bug 378674 - "The method can be declared as static" is wrong  
* bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops  
* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type  
*/
```

Found in path(s):

```
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/SingleNameReference.java
```

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\* Stephan Herrmann - Contributions for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099

- [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 412076 - [compiler] @NonNullByDefault doesn't work for varargs parameter when in generic interface

\* Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 416175 - [1.8][compiler][null] NPE with a code snippet that used null annotations on wildcards

\* Bug 416174 - [1.8][compiler][null] Bogus name clash error with null annotations

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug 400874 - [1.8][compiler]

Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 425278 - [1.8][compiler] Suspect error: The target type of this expression is not a well formed parameterized type due to bound(s) mismatch

\* Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType

\* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error

\* Bug 426563 - [1.8] AIOOBE when method with error invoked with lambda expression as argument

\* Bug 426792 - [1.8][inference][impl] generify new type inference engine

\* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>

\* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

\* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected

- \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
  - \* Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.
  - \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
  - \* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
  - \* Bug 390064 - [compiler][resource] Resource leak warning missing when extending parameterized class
  - \* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  - \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \*\*\*\*\*/

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\*

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/TypeFactory.java

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\* Alex Smirnoff (alexsmr@sympatico.ca) - part of the changes to support Java-like extension

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- \* bug 185682 - Increment/decrement operators mark local variables as read
  - \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
  - \* bug 331649 - [compiler][null] consider null annotations for fields
  - \* bug 383368 - [compiler][null] syntactic null analysis for field references
  - \* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
  - \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
  - \* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
- \*\*\*\*\*/

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jar/org/aspectj/weaver/IWeaveRequestor.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/WeaverAdapter.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/bcel/UnwovenClassFileWithThirdPartyManagedBytecode.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/core/builder/EclipseClassPathManager.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/ClassFileBasedByteCodeProvider.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/IOutputClassFileNameProvider.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/IClassFileProvider.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/ast/HasAnnotation.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/IClassFileProvider.java
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jar/org/aspectj/ajdt/internal/core/builder/AjBatchImageBuilder.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/WeaverMessageHandler.java
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jar/org/aspectj/ajdt/internal/core/builder/AjIncrementalImageBuilder.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/AjCompilerAdapter.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/core/AspectJCore.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/core/builder/AspectJBuilder.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/InterimCompilationResult.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/tools/StandardPointcutParser.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/core/builder/AjBuildNotifier.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/internal/compiler/IIntermediateResultsRequestor.java
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jar/org/aspectj/ajdt/internal/compiler/AjClassFile.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-

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jar/org/aspectj/weaver/ast/HasAnnotation.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/IWeaveRequestor.java  
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* bug 186342 - [compiler][null] Using annotations for null checking  
* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.  
* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
* bug 413958 - Function override returning inherited Generic Type  
* Bug 400874 - [1.8][compiler] Inference  
infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding  
* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"  
* Bug 427438 - [1.8][compiler] NPE at  
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28
```

- 0)
- \* Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
  - \* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
  - \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
  - \* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
  - \* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
  - \* Bug 446442 - [1.8] merge null annotations from super methods
  - \* Bug 457079 - Regression:

type inference

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\* Bug 458396 - NPE in CodeStream.invoke()

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  - \* Stephan Herrmann - Contributions for
  - \* bug 349326 - [1.7] new warning for missing try-with-resources
  - \* bug 374605 - Unreasonable warning for enum-based switch statements
  - \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
  - \* bug 382354 - [1.8][compiler] Compiler silent on conflicting modifier
  - \* bug 401030 - [1.8][null] Null analysis support for lambda methods.
  - \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
  - \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
  - \* Jesper S Moller - Contributions for
  - \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
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 *   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
work)  
\* Jesper Steen Moeller - Contribution for  
\* Bug 406973 - [compiler] Parse MethodParameters attribute  
\*\*\*\*\*/

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\* Alex Blewitt - alex\_blewitt@yahoo.com [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=171066](https://bugs.eclipse.org/bugs/show_bug.cgi?id=171066)  
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\* Jesper S Moller - Contributions for  
\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
\* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile  
\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)  
\* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com  
- Contributions for  
\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas  
\* Bug 439889 - [1.8][compiler] [lambda] Deserializing lambda fails with IllegalArgumentException:  
"Invalid lambda deserialization"

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\* Bug 407191 - [1.8] Binary access support for type annotations  
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\* John Glassmyer <jogl@google.com> - import group sorting is broken - <https://bugs.eclipse.org/430303>  
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\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.  
\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.  
\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables  
\*\*\*\*\*/

Found

in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/BaseTypeBinding.java  
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- \* tyeung@bea.com - initial API and implementation
- \* IBM Corporation - implemented methods from IBinding
- \* IBM Corporation - renamed from ResolvedDefaultValuePair to DefaultValuePairBinding
- \* IBM Corporation - Fix for 328969

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\* alex.panchenko@gmail.com - Bug 470535 - Bug in UserLibrary.hashCode()  
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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\*\*\*\*\*/

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\* Nick Teryaev - fix for bug ([https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=40752](https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752))

\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug

383368 - [compiler][null] syntactic null analysis for field references

\* bug 401017 - [compiler][null] casted reference to @Nullable field lacks a warning

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 430150 - [1.8][null] stricter checking against type variables

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration

style null annotations

\* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

\* Andy Clement (GoPivotal, Inc) [aclement@gopivotal.com](mailto:aclement@gopivotal.com) - Contributions for

\* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped

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*   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*     bug 185682 - Increment/decrement operators mark local variables as read
*     bug 331649 - [compiler][null] consider null annotations for fields
*     bug 383368 - [compiler][null] syntactic null analysis for field references
*     Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException:
info cannot be null
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 458396 - NPE in CodeStream.invoke()
*     Jesper S Moller - Contributions for
*     Bug 378674 - "The method can be declared as static" is wrong
*     Robert Roth <robert.roth.off@gmail.com> - Contributions for
*     Bug 361039 - NPE in FieldReference.optimizedBooleanConstant
*****/

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 *   Vladimir Piskarev <pisv@1c.ru> - Building large Java element deltas is really slow -
https://bugs.eclipse.org/443928
 *   Vladimir Piskarev <pisv@1c.ru> - F_CONTENT sometimes lost when merging deltas -
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 /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/runtime/CFlow.java  
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-
jar/org/aspectj/runtime/reflect/MemberSignatureImpl.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/runtime/reflect/FieldSignatureImpl.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/lang/reflect/CatchClauseSignature.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/runtime/reflect/SignatureImpl.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/util/FileUtil.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/tools/ajbrowser/ui/BrowserUIAdapter.java
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jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisTypeAnnos.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisTypeAnnos.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisTypeAnnos.java
*
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jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeTypeAnnos.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeTypeAnnos.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisTypeAnnos.java
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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/CustomMungerFactory.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/SetClasspathOperation.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/search/SearchRequestor.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/NormalAnnotation.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/search/IJavaSearchScope.java

```
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnSingleTypeReference.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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 *   wharley@bea.com - derived base class from BatchMessengerImpl
 *
 */
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 *   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
 *     bug 282152 - [1.5][compiler] Generics code rejected by Eclipse but accepted by javac
 *     bug 349326 - [1.7] new warning for missing try-with-resources
 *     bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource
 *     bug 358903 - Filter practically unimportant resource leak warnings
 *     bug 395002 - Self bound generic class
 * doesn't resolve bounds properly for wildcards for certain parametrisation.
 *     bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
 *     Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
 */
```

- \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
  - \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
  - \* Bug 426792 - [1.8][inference][impl] generify new type inference engine
  - \* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
  - \* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
  - \* Bug 431269 - [1.8][compiler][null] StackOverflow in nullAnnotatedReadableName
  - \* Bug 431408 - Java 8 (1.8) generics bug
  - \* Bug 435962 - [RC2] StackOverFlowError when building
  - \* Bug
  - 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
  - \* Bug 438250 - [1.8][null] NPE trying to report bogus null annotation conflict
  - \* Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.
  - \* Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables
  - \* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
  - \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
  - \* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
  - \* Bug 456459 - Discrepancy between Eclipse compiler and javac - Enums, interfaces, and generics
  - \* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
  - \* Bug 462790 - [null] NPE in Expression.computeConversion()
  - \* Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error messages
  - \* Jesper S Møller <jesper@selskabet.org> - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  - \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \*\*\*\*\*/

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\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)

- \* bug 186342 - [compiler][null] Using annotations for null checking
- \* bug 365835 - [compiler][null] inconsistent error reporting.
- \* bug 365519 - editorial cleanup after bug 186342 and bug 365387
- \* bug 358903 - Filter practically unimportant resource leak warnings
- \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
- \* bug 370639 - [compiler][resource] restore the default for resource leak warnings
- \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
- \* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
- \* bug 383368 - [compiler][null] syntactic null analysis for field references
- \* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
- \* bug 401030 - [1.8][null] Null analysis support for lambda

methods.

- \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
  - \* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
  - \* Bug 417758 - [1.8][null] Null safety compromise during array creation.
  - \* Bug 427438 - [1.8][compiler] NPE at  
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
  - \* Bug 430150 - [1.8][null] stricter checking against type variables
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Jesper S Moller
  - Contributions for
  - \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- \*\*\*\*\*/

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- \* Jesper S Moller - Contributions for
- \* Bug 378674 - "The method can be declared as static" is wrong
- \* Stephan Herrmann - Contribution for
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/bcel/ClassPathManager.java

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- \* bug 401030 - [1.8][null] Null analysis support for lambda methods.
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 185682 - Increment/decrement operators mark local variables as read

\* bug 331649 - [compiler][null] consider null annotations for fields

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 447088 - [null] @Nullable on fully qualified field type is ignored

\* Bug 435805 - [1.8][compiler][null]

Java 8 compiler does not recognize declaration style null annotations

\* Bug 458396 - NPE in CodeStream.invoke()

\* Bug 446217 - [null] @NonNullByDefault in package-info.java causes bogus "null type safety" warning

\* Till Brychcy - Contribution for

\* bug 467094 - [1.8][null] TYPE\_USE NullAnnotations of array contents are applied to field.

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\* Bug 365662 - [compiler][null] warn on contradictory and redundant null annotations

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class

\*\*\*\*\*/

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\* Martin Lippert initial implementation

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\* Roy Varghese - Bug 473555



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\* bug 343713 - [compiler] bogus line number in constructor of inner class in 1.5 compliance  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor  
\* bug 368546 - [compiler][resource] Avoid  
remaining false positives found when compiling the Eclipse SDK  
\* bug 383690 - [compiler] location of error re uninitialized final field should be aligned  
\* bug 331649 - [compiler][null] consider null annotations for fields  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account  
\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables  
\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code  
generator  
\* Ulrich Grave <ulrich.grave@gmx.de> - Contributions  
for  
\* bug 386692 - Missing "unused" warning on "autowired" fields

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*     bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)
*     bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
*****/

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\* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions  
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\* Samrat Dhillon samrat.dhillon@gmail.com - Search for method references is  
\* returning methods as overridden even if the superclass's method is  
\* only package-visible - <https://bugs.eclipse.org/357547>

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\* Contributors:

\* Alexandre Vasseur initial implementation

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareAnnotation.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareAnnotation.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareAnnotation.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/PerThisOrTargetPointcutVisitor.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/loadtime/DefaultMessageHandler.java  
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\* wharley@bea.com - initial API and implementation  
\* IBM Corporation - fix for 342598  
\* IBM Corporation - Java 8 support  
\* het@google.com - Bug 427943 - The method

org.aspectj.org.eclipse.jdt.internal.compiler.apt.model.Factory.getPrimitiveType does not throw  
IllegalArgumentException

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\* Contributors:  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 407191 - [1.8] Binary access support for type annotations  
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/core/dom/AjTypeDeclFactory.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AspectDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AndPointcut.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/CflowPointcut.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/PerCflow.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/PointcutDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/PointcutDesignator.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/InterTypeFieldDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AroundAdviceDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/ajdt/core/dom/AjASTConverterFactory.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/PerObject.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AdviceDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AfterReturningAdviceDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/NotPointcut.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AjTypeDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/InterTypeMethodDeclaration.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/DeclareDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AfterAdviceDeclaration.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/dom/AfterThrowingAdviceDeclaration.java

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* Contributors:  
* PARC initial implementation  
* Adrian Colyer, Andy Clement, overhaul for generics, Abraham Nevado  
* *****/
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jar/org/aspectj/weaver/World.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/World.java
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* Stephan Herrmann - Contribution for  
* bug 401035 - [1.8] A few tests have started failing recently  
* Jesper Steen Møller - Contributions for  
* bug 529552 - [18.3] Add 'var' in completions  
* Bug 529556 - [18.3] Add content assist support for 'var' as a type  
* *****/
```

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```
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionParser.java
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*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)
*       Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic
bridge method
*       Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
*
*   Stephan Herrmann - Contribution for
*   Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*   Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
*   Bug 427438 - [1.8][compiler] NPE at
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28
0)
*****/

```

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```

* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/eval/CodeSnippetAllocationExpression.java
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```

```

/* *****/

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* Contributors:
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*   Nieraj Singh
* *****/

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jar/org/aspectj/weaver/patterns/BindingTypePattern.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-

```

jar/org/aspectj/weaver/patterns/TypePattern.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/BindingTypePattern.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/TypePattern.java  
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\* Contributors:

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\* Stephan Herrmann - Contributions for  
\* Bug 463330 - [dom] DOMFinder doesn't find the VariableBinding corresponding to a method argument  
\* Bug 464463 - [dom] DOMFinder doesn't find an ITypeParameter  
\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda

\*\*\*\*\*/

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\* IBM Corporation - initial API and implementation  
\* IBM Corporation - added getOption(String, boolean), getOptions(boolean) and setOptions(Map)  
\* IBM Corporation - deprecated getPackageFragmentRoots(IClasspathEntry) and  
\* added findPackageFragmentRoots(IClasspathEntry)  
\* IBM Corporation - added isOnClasspath(IResource)  
\* IBM Corporation - added setOption(String, String)

\* IBM Corporation - added forceClasspathReload(IProgressMonitor)

\*\*\*\*\*/

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\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/ISourceRange.java

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\*

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/parser/RecoveredImport.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/util/OpcodeStringValue.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/ImportConflictBinding.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToInt.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/AnnotationDefaultAttribute.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/eval/CodeSnippetTypeDeclaration.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/TrueLiteral.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/CharLiteral.java

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\* Contributors:

\* IBM Corporation - initial API and implementation

\* Jesper S Moller - Contributions for

\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

\* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)

\* Stephan Herrmann - Contribution for

\* bug 401030 - [1.8][null] Null analysis support for lambda methods.

\* Bug 392099

- [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType

\* Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression

- \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
  - \* Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType
  - \* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
  - \* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
  - \* Bug 426563 - [1.8] AIOOBE when method with error  
invoked with lambda expression as argument
  - \* Bug 420525 - [1.8] [compiler] Incorrect error "The type Integer does not define sum(Object, Object) that is applicable here"
  - \* Bug 427438 - [1.8][compiler] NPE at  
org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:28  
0)
  - \* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
  - \* Bug 428786 - [1.8][compiler] Inference needs to compute the "ground target type" when reducing a lambda  
compatibility constraint
  - \* Bug 428980 - [1.8][null] simple expression as lambda body doesn't leverage null annotation on argument
  - \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException  
instead of IOException)
  - \* Bug 432110 - [1.8][compiler] nested lambda type incorrectly inferred vs javac
  - \* Bug 438458 - [1.8][null] clean up handling of null type annotations  
wrt type variables
  - \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Bug 463728 - [1.8][compiler][inference] Ternary operator in lambda derives wrong type
  - \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- \*\*\*\*\*/

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\* Contributors:

\* IBM Corporation - initial API and implementation

\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 292478 - Report potentially null across variable assignment

\* bug 335093 - [compiler][null] minimal hook for future null annotation support

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 427438 - [1.8][compiler] NPE at

org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 430150 - [1.8][null] stricter checking against type variables

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Jesper S Moller - Contributions for

\* Bug 378674 - "The method can be declared as static" is wrong

\* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

\* Bug 529556 - [18.3] Add content assist support for 'var' as a type

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

\* Bug 426616 - [1.8][compiler] Type Annotations, multiple problems

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/LocalDeclaration.java

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\* John Glassmyer <jogl@google.com> - import group sorting is broken - <https://bugs.eclipse.org/430303>  
\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/imports/ImportGroupComparator.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/MethodParameters.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/TypeAnnotationGen.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/TypeAnnotationGen.java  
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\* John Glassmyer <jogl@google.com> - import group sorting is broken - <https://bugs.eclipse.org/430303>

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\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* Jesper S Moller - Contributions for

\* Bug 378674 - "The method can be declared as static" is wrong

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\* Nick Teryaev - fix for bug ([https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=40752](https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752))

\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 358903

- Filter practically unimportant resource leak warnings

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 379784 - [compiler] "Method can be static" is not getting reported

\* bug 379834 - Wrong "method can be static" in presence of qualified super and different staticness of nested super class.

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly?

\* bug 331649 - [compiler][null] consider null annotations

for fields

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions

\* bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax

\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super

\* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly

\* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 424710 - [1.8][compiler] CCE in SimpleNameReference.localVariableBinding

\* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.

- \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- \* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- \* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- \* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- \* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- \* Bug 427438 - [1.8][compiler] NPE at org.aspectj.org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- \* Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
- \* Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- \* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
- \* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
- \* Bug 472618 - [compiler][null] assertNotNull vs. Assert.assertNotNull
- \* Bug 470958 - [1.8] Unable to convert lambda
- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
- \* Jesper S Moller - Contributions for
- \* Bug 378674 - "The method can be declared as static" is wrong
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- \* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

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  - \* Bug 407191 - [1.8] Binary access support for type annotations
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*   Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*   Bug 433478 - [compiler][null] NPE in ReferenceBinding.isCompatibleWith
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*   Xerox/PARC   initial implementation
*   Alex Vasseur  new factory methods for variants of JP
*   Abraham Nevado  new factory methods for collapsed SJPs
```

\* Andy Clement new factory methods that rely on LDC <class>  
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*   Bug 440687 - [compiler][batch][null] improve command line option for external annotations  
*/
```

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/batch/FileSystem.java  
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```
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/model/ModuleElementImpl.java
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*     bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
*     bug 349326 - [1.7] new warning for missing try-with-resources
*     bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*     bug 383368 - [compiler][null] syntactic null analysis for field references
*     bug 403147 - [compiler][null] FUP of bug 400761:
consolidate interaction between unboxing, NPE, and deferred checking
*****/

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/IfStatement.java
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\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
\*\*\*\*\*/

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\*

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\*  
/opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/search/TypeParameterDeclarationMatch.java  
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\* Red Hat Incorporated - improvements based on comments from JDT developers  
\* IBM Corporation - Code review and integration  
\* IBM Corporation - Fix for 340181  
\*\*\*\*\*/

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jar/org/aspectj/weaver/loadtime/IWeavingContext.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/loadtime/IWeavingContext.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/loadtime/DefaultWeavingContext.java  
*  
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/weaver/loadtime/DefaultWeavingContext.java
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/AnnotationTargetKind.java

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\* Andy Clement - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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\* Brock Janiczak - Contribution for bug 150741

\* Ray V. (voidstar@gmail.com) - Contribution for bug 282988

\* Jesper S Moller - Contribution for bug 402173

\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>

\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for

\* Bug 473178

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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 407191 - [1.8] Binary access support for type annotations

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\* Lyor Goldstein (vmware) add support for weaved class being re-defined

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/util/Options.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-
jar/org/aspectj/lang/reflect/InitializerSignature.java
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 \*     bug 336428 - [compiler][null] bogus warning "redundant null check" in condition of do { } while() loop  
 \*     bug 186342 - [compiler][null] Using annotations for null checking  
 \*     bug 365519 - editorial cleanup after bug 186342 and bug 365387  
 \*     bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK  
 \*     bug 365859 - [compiler][null]  
 \*     distinguish warnings based on flow analysis vs. null annotations  
 \*     bug 385626 - @NonNull fails across loop boundaries  
 \*     bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
 \*     bug 376263 - Bogus "Potential null pointer access" warning  
 \*     bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred  
 \*     checking  
 \*     bug 406384 - Internal error with I20130413  
 \*     Bug 415413 - [compiler][null] NullPointerException in Null Analysis caused by interaction of  
 \*     LoopingFlowContext and FinallyFlowContext  
 \*     Bug 453483 - [compiler][null][loop] Improve null analysis for loops  
 \*     Bug 455557 - [jdt] NPE LoopingFlowContext.recordNullReference  
 \*     Bug 455723 - Nonnull argument not correctly inferred in loop  
 \*     Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch  
 \*     Bug 421035 - [resource]  
 \*     False alarm of resource leak warning when casting a closeable in its assignment  
 \*     Jesper S Moller - contributions for  
 \*     bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops  
 \*     \*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/reflect/Java15AnnotationFinder.java  
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\*   Andy Clement - initial implementation  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/UnlockSignature.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java

\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/LockSignature.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/runtime/reflect/LockSignatureImpl.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/UnlockSignature.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/LockSignature.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/UnlockSignature.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/LockSignature.java

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\* Alex Blewitt - alex\_blewitt@yahoo.com [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=171066](https://bugs.eclipse.org/bugs/show_bug.cgi?id=171066)

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*   Terry Parker <tparker@google.com> - [performance] Low hit rates in JavaModel caches -
https://bugs.eclipse.org/421165
*****/
```

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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*   David Foerster - patch for toUpperCase as described in https://bugs.eclipse.org/bugs/show_bug.cgi?id=153125
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 *   Stephan Herrmann - Contribution for
 *     Bug 428811 - [1.8][compiler] Type witness unnecessarily required
 */
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 *   IBM Corporation - specified that a source archive or a source folder can be attached to a binary
 *     package fragment root.
 *   IBM Corporation - added root manipulation APIs: copy, delete, move
 *   IBM Corporation - added DESTINATION_PROJECT_CLASSPATH
 *   IBM Corporation - added OTHER_REFERRING_PROJECTS_CLASSPATH
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 */
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\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 385626 - @NonNull fails across

loop boundaries

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred

checking

- \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Jesper S Moller - Contributions for
  - \* bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops
- \*\*\*\*\*/

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  - \* bug 349326 - [1.7] new warning for missing try-with-resources
  - \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
  - \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
  - \* bug 383368 - [compiler][null] syntactic null analysis for field references
  - \* bug 402993 - [null] Follow up
  - of bug 401088: Missing warning about redundant null check
  - \* Bug 440282 - [resource] Resource leak detection false negative with empty finally block
- \*\*\*\*\*/

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\*

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*     bug 331649 - [compiler][null] consider null annotations for fields
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 458396 - NPE in CodeStream.invoke()
*****/

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*   Erling Ellingsen - patch for bug 125570
*   Stephan Herrmann - Contribution for
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*     Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
*     Sebastian Zarnekow - Contribution for
*     Bug 544921 - [performance] Poor performance with large source files
*****/

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\*

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jar/org/aspectj/weaver/patterns/ExactAnnotationFieldTypePattern.java  
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jar/org/aspectj/weaver/bcel/BcelWeakClassLoaderReference.java  
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jar/org/aspectj/weaver/ArrayReferenceType.java  
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jar/org/aspectj/weaver/bcel/AnnotationAccessFieldVar.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/WildcardedUnresolvedType.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/weaver/IWeavingSupport.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/weaver/ArrayReferenceType.java  
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\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly,  
\* especially when max line width is set - <https://bugs.eclipse.org/303519>  
\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] follow up bug for comments -  
\* <https://bugs.eclipse.org/458208>  
\* Mateusz Matela <mateusz.matela@gmail.com> - NPE in WrapExecutor during Java text formatting -  
\* <https://bugs.eclipse.org/465669>

\*\*\*\*\*

Found

in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/formatter/linewrap/WrapExecutor.java

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\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contribution for

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

\* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

\*\*\*\*\*

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/ArrayTypeReference.java

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\* Stephan Herrmann - Contribution for

\* Bug 365992 - [builder] [null] Change of nullness for a parameter doesn't trigger a build for the files that call the method

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Bug 440687 - [compiler][batch][null] improve command line option for external annotations

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\*

bug 407191 - [1.8] Binary access support for type annotations

\*\*\*\*\*/

Found in path(s):

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\* Stephan Herrmann - Contribution for bug 215139

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\* Contributors:

\* PARC initial implementation

\* Adrian Colyer added constructor to populate javaOptions with

\* default settings - 01.20.2003

\* Bugzilla #29768, 29769

\* Andy Clement

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-

jar/org/aspectj/ajdt/internal/core/builder/AjBuildConfig.java

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\* Contributors:

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* Bug 328281 - visibility leaks not detected when analyzing unused field in private class

\* Bug 300576 - NPE Computing type hierarchy when compliance doesn't match libraries

\* Bug 354536 - compiling package-info.java still depends on the order of compilation units

\* Bug 349326 - [1.7] new warning for missing try-with-resources

\* Bug

358903 - Filter practically unimportant resource leak warnings

\* Bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class

\* Bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class

\* Bug 444024 - [1.8][compiler][null] Type mismatch error in annotation generics assignment which happens

"sometimes"

\* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com -

Contributions for

\* Bug 415821 - [1.8][compiler] CLASS\_EXTENDS target type annotation missing for anonymous classes

\* het@google.com - Bug 456986 - Bogus error when annotation processor generates annotation type

\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for

\* Bug 473178

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/ClassScope.java

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 \* Contributors:  
 \* IBM Corporation - initial API and implementation  
 \* Stephan Herrmann - Contributions for  
 \* bug 332637 - Dead Code detection removing code that isn't dead  
 \* bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis  
 \* bug 349326 - [1.7] new warning for missing try-with-resources  
 \* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points  
 \* bug 358903 - Filter practically unimportant resource  
 leak warnings  
 \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
 \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'  
 \* bug 401088 - [compiler][null] Wrong warning "Redundant null check" inside nested try statement  
 \* bug 401092 - [compiler][null] Wrong warning "Redundant null check" in outer catch of nested try  
 \* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check  
 \* bug 384380 - False positive on a ?? Potential null pointer access ?? after a continue  
 \* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch  
 \* Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop  
 \* Bug 444964 - [1.7+][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream -  
 return inside for loop)  
 \* Jesper Steen Moller -  
 Contributions for  
 \* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code  
 \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
 \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
 work)  
 \*  
 \*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
 jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/TryStatement.java  
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\* Stephan Herrmann - Contribution for  
\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
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\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>  
\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] IndexOutOfBoundsException in TokenManager - <https://bugs.eclipse.org/462945>  
\* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Bad line breaking in Eclipse javadoc comments - <https://bugs.eclipse.org/348338>  
\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions

for

\* Bug 473178

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 \* Jesper Steen Moller - Contributions for  
 \* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code  
 \* Harry Terkelsen (het@google.com) - Bug 449262 - Allow the use of third-party Java formatters  
 \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly,  
 especially when max line width is set - <https://bugs.eclipse.org/303519>  
 \* Mateusz Matela  
 <mateusz.matela@gmail.com> - [formatter] follow up bug for comments - <https://bugs.eclipse.org/458208>  
 \* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
 \* Bug 473178  
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 \* Stephan Herrmann - Contribution for  
 \* Bug 186342 - [compiler][null] Using annotations for null checking  
 \* Bug 440474 - [null] textual encoding of external null annotations  
 \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
 \* Bug 407191 - [1.8] Binary access support for type annotations  
 \*\*\*\*\*/

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\* Adrian Colyer initial implementation

\* Andy Clement got it working

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/DeclareAnnotation.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/util/UtilClassLoader.java  
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 *   Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly,
 *   especially when max line width is set - https://bugs.eclipse.org/303519
 *   Till Brychcy - Java Code Formatter breaks code if single line comments contain unicode escape -
 *   https://bugs.eclipse.org/471090
 */
```

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 \* Brock Janiczak - Contribution for bug 150741  
 \* Ray V. (voidstar@gmail.com) - Contribution for bug 282988  
 \* Jesper S Moller - Contribution for bug 402173  
 \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly,  
 especially when max line width is set - <https://bugs.eclipse.org/303519>  
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 jar/org/aspectj/org/eclipse/jdt/core/formatter/DefaultCodeFormatterConstants.java  
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 \* IBM Corporation - initial API and implementation  
 \* IBM Corporation - added the following constants:  
 \* COMPILER\_PB\_DEPRECATION\_IN\_DEPRECATED\_CODE  
 \* COMPILER\_PB\_STATIC\_ACCESS\_RECEIVER  
 \* COMPILER\_TASK\_TAGS  
 \* CORE\_CIRCULAR\_CLASSPATH  
 \* CORE\_INCOMPLETE\_CLASSPATH  
 \* IBM Corporation - added run(IWorkspaceRunnable, IProgressMonitor)  
 \*  
 IBM Corporation - added exclusion patterns to source classpath entries  
 \* IBM Corporation - added specific output location to source classpath entries  
 \* IBM Corporation - added the following constants:  
 \* CORE\_JAVA\_BUILD\_CLEAN\_OUTPUT\_FOLDER

```

*          CORE_JAVA_BUILD_RECREATE_MODIFIED_CLASS_FILES_IN_OUTPUT_FOLDER
*          CLEAN
* IBM Corporation - added getClasspathContainerInitializer(String)
* IBM Corporation - added the following constants:
*          CODEASSIST_ARGUMENT_PREFIXES
*          CODEASSIST_ARGUMENT_SUFFIXES
*          CODEASSIST_FIELD_PREFIXES
*          CODEASSIST_FIELD_SUFFIXES
*          CODEASSIST_LOCAL_PREFIXES
*          CODEASSIST_LOCAL_SUFFIXES
*          CODEASSIST_STATIC_FIELD_PREFIXES
*
*          CODEASSIST_STATIC_FIELD_SUFFIXES
*          COMPILER_PB_CHAR_ARRAY_IN_STRING_CONCATENATION
* IBM Corporation - added the following constants:
*          COMPILER_PB_LOCAL_VARIABLE_HIDING
*          COMPILER_PB_SPECIAL_PARAMETER_HIDING_FIELD
*          COMPILER_PB_FIELD_HIDING
*          COMPILER_PB_POSSIBLE_ACCIDENTAL_BOOLEAN_ASSIGNMENT
*          CORE_INCOMPATIBLE_JDK_LEVEL
*          VERSION_1_5
*          COMPILER_PB_EMPTY_STATEMENT
* IBM Corporation - added the following constants:
*          COMPILER_PB_INDIRECT_STATIC_ACCESS
*          COMPILER_PB_BOOLEAN_METHOD_THROWING_EXCEPTION
*          COMPILER_PB_UNNECESSARY_CAST
* IBM Corporation - added the following constants:
*
*          COMPILER_PB_INVALID_JAVADOC
*          COMPILER_PB_INVALID_JAVADOC_TAGS
*          COMPILER_PB_INVALID_JAVADOC_TAGS_VISIBILITY
*          COMPILER_PB_MISSING_JAVADOC_TAGS
*          COMPILER_PB_MISSING_JAVADOC_TAGS_VISIBILITY
*          COMPILER_PB_MISSING_JAVADOC_TAGS_OVERRIDING
*          COMPILER_PB_MISSING_JAVADOC_COMMENTS
*          COMPILER_PB_MISSING_JAVADOC_COMMENTS_VISIBILITY
*          COMPILER_PB_MISSING_JAVADOC_COMMENTS_OVERRIDING
*          COMPILER_PB_DEPRECATION_WHEN_OVERRIDING_DEPRECATED_METHOD
*
*          COMPILER_PB_UNUSED_DECLARED_THROWN_EXCEPTION_WHEN_OVERRIDING
* IBM Corporation - added the following constants:
*          TIMEOUT_FOR_PARAMETER_NAME_FROM_ATTACHED_JAVADOC
*
* IBM Corporation - added the following constants:
*          COMPILER_PB_FALLTHROUGH_CASE
*          COMPILER_PB_PARAMETER_ASSIGNMENT
*          COMPILER_PB_NULL_REFERENCE
* IBM Corporation - added the following constants:

```

- \* CODEASSIST\_DEPRECATION\_CHECK
- \* IBM Corporation - added the following constants:
  - \* COMPILER\_PB\_POTENTIAL\_NULL\_REFERENCE
  - \* COMPILER\_PB\_REDUNDANT\_NULL\_CHECK
- \* IBM Corporation - added the following constants:
  - \* COMPILER\_PB\_UNUSED\_PARAMETER\_INCLUDE\_DOC\_COMMENT\_REFERENCE
- \* IBM Corporation - added the following constants:
  - \* COMPILER\_PB\_UNUSED\_DECLARED\_THROWN\_EXCEPTION\_INCLUDE\_DOC\_COMMENT\_REFERENCE
- \* IBM Corporation - added the following constants:
  - \* COMPILER\_PB\_MISSING\_JAVADOC\_TAG\_DESCRIPTION
  - \* COMPILER\_PB\_MISSING\_JAVADOC\_TAG\_DESCRIPTION\_NO\_TAG
  - \* COMPILER\_PB\_MISSING\_JAVADOC\_TAG\_DESCRIPTION\_RETURN\_TAG
  - \* COMPILER\_PB\_MISSING\_JAVADOC\_TAG\_DESCRIPTION\_ALL\_TAGS
- \* IBM Corporation - added the following constants:
  - \* COMPILER\_PB\_REDUNDANT\_SUPERINTERFACE
- \* IBM Corporation - added the following constant:
  - \* COMPILER\_PB\_UNUSED\_DECLARED\_THROWN\_EXCEPTION\_EXEMPT\_EXCEPTION\_AND\_THROWABLE
- \* IBM Corporation - added getOptionForConfigurableSeverity(int)
- \* Benjamin Muskalla - added COMPILER\_PB\_MISSING\_SYNCHRONIZED\_ON\_INHERITED\_METHOD
- \* Stephan Herrmann - added COMPILER\_PB\_UNUSED\_OBJECT\_ALLOCATION
- \* Stephan Herrmann - added COMPILER\_PB\_SUPPRESS\_OPTIONAL\_ERRORS
- \* Stephan Herrmann - added the following constants:
  - \* COMPILER\_PB\_UNCLOSED\_CLOSEABLE,
  - \* COMPILER\_PB\_POTENTIALLY\_UNCLOSED\_CLOSEABLE
  - \* COMPILER\_PB\_EXPLICITLY\_CLOSED\_AUTOCLOSEABLE
  - \* COMPILER\_ANNOTATION\_NULL\_ANALYSIS
  - \* COMPILER\_NULLABLE\_ANNOTATION\_NAME
  - \* COMPILER\_NONNULL\_ANNOTATION\_NAME
  - \* COMPILER\_PB\_NULL\_SPECIFICATION\_VIOLATION
  - \* COMPILER\_PB\_POTENTIAL\_NULL\_SPECIFICATION\_VIOLATION
  - \* COMPILER\_PB\_NULL\_SPECIFICATION\_INSUFFICIENT\_INFO
  - \* COMPILER\_PB\_MISSING\_ENUM\_CASE\_DESPITE\_DEFAULT
  - \* COMPILER\_PB\_SWITCH\_MISSING\_DEFAULT\_CASE
  - \* COMPILER\_INHERIT\_NULL\_ANNOTATIONS
  - \* COMPILER\_PB\_NONNULL\_PARAMETER\_ANNOTATION\_DROPPED
  - \* COMPILER\_PB\_SYNTACTIC\_NULL\_ANALYSIS\_FOR\_FIELDS
  - \* COMPILER\_PB\_UNLIKELY\_COLLECTION\_METHOD\_ARGUMENT\_TYPE
  - \* COMPILER\_PB\_UNLIKELY\_EQUALS\_ARGUMENT\_TYPE
- \* Jesper S Moller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  - added the following constants:
    - \* COMPILER\_CODEGEN\_METHOD\_PARAMETERS\_ATTR
- \* Harry Terkelsen (het@google.com) - Bug 449262
  - Allow the use of third-party Java formatters
- \* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete

suggestions

\* Karsten Thoms - Bug 532505 - Reduce memory footprint of ClasspathAccessRule

\*

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/JavaCore.java

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\* Stephan Herrmann - Contribution for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource

\* bug 358903 - Filter practically unimportant resource leak warnings

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure

should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

\* Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression

\* Bug 427411 - [1.8][generics] JDT reports type mismatch when using method that returns generic type

\* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

\* Bug 435962 - [RC2] StackOverflowError when building

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

\* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

\*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/PerTypeWithinTargetTypeMunger.java

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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

\* Jesper S Moller - Contributions for

\* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

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*   Stephan Herrmann - Contributions for
*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 367203 - [compiler][null] detect assigning null to nonnull argument
*     bug 365519 - editorial cleanup after bug 186342 and bug 365387
*     bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
*     bug 365531 - [compiler][null] investigate alternative strategy for internally
encoding nullness defaults
*     bug 388281 - [compiler][null] inheritance of null annotations as an option
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
*     Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*     Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this
location
*     Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
*     Bug 443347 - [1.8][null]
@NonNullByDefault should not affect constructor arguments of an anonymous instantiation
*     Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*     Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
*     Bug 456584 - [1.8][null] Bogus warning for return type variable's @NonNull annotation being 'redundant'
*     Bug 471611 - Error on hover on call to generic method with null annotation
*     Jesper Steen Moller - Contributions for
*     Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing
*****/

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\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 417758 - [1.8][null] Null safety compromise during array creation.

\* Bug

427163 - [1.8][null] bogus error "Contradictory null specification" on varargs

\* Andy Clement (GoPivotal, Inc) [aclement@gopivotal.com](mailto:aclement@gopivotal.com) - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

\*\*\*\*\*/

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 \* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE  
 \* bug 349326 - [1.7] new warning for missing try-with-resources  
 \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
 \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking  
 \* Bug  
 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch  
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 \* bug 349326 - [1.7] new warning for missing try-with-resources  
 \* bug 370930 - NonNull annotation not considered for enhanced for loops  
 \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations  
 \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
 \* bug 393719 - [compiler] inconsistent warnings  
 on iteration variables  
 \* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement  
 \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
 \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops  
 \* Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch  
 \* Jesper S Moller - Contribution for  
 \* bug 401853 - Eclipse Java compiler creates invalid bytecode (java.lang.VerifyError)  
 \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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\* Bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)

\* Bug 388630 - @NonNull diagnostics at line 0

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug 424727 - [compiler][null] NullPointerException

in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)

\* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?

\* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends

the outer class

- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for
- \* Bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource
- \* Bug 546084 - Using Junit 5s MethodSource leads to ClassCastException

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- \* Jesper S Moller -. Contribution for bug 400830: [1.8][formatter] Code formatter for Java 8

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- \* Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis

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\* mkaufman@bea.com - initial API and implementation

\* IBM - renamed from PreReconcileCompilationResult to ReconcileContext

\* IBM - rewrote spec

\*

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-



jar/org/aspectj/org/eclipse/jdt/internal/core/util/WeakHashSet.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/util/WeakHashSetOfCharArray.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/AbstractTypeDeclaration.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/MethodRefParameter.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/ChildPropertyDescriptor.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/GeneratedReferenceTypeDelegate.java  
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\* Stephan Herrmann - Contributions for  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 358903 - Filter practically unimportant resource leak warnings  
\* bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly?  
\* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account  
\* bug 382069 - [null] Make

the null analysis consider JUnit's assertNotNull similarly to assertions

- \* Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly
- \* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
- \* Bug 425183 - [1.8][inference] make CaptureBinding18 safe
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
- \* Jesper S Moller - Contributions for
  - \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
  - \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
  - \* bug 527554 - [1.8.3] Compiler support for JEP 286 Local-Variable Type
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
  - \* bug 386692 - Missing "unused" warning on "autowired" fields
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
  - \* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/RuntimeVersion.java

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*     Bug 458613 - [1.8] lambda not shown in quick type hierarchy
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/bridge/Version.java  
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* Contributors:  
* wharley@bea.com - initial API and implementation  
* IBM Corporation - Fix for bug 341494  
* IBM Corporation - Fix for bug 328575  
* IBM Corporation - Java 8 support  
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\*

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jar/org/aspectj/weaver/tools/DefaultTrace.java
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jar/org/aspectj/weaver/tools/Jdk14Trace.java
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jar/org/aspectj/bridge/Constants.java
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jar/org/aspectj/bridge/Constants.java
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jar/org/aspectj/weaver/tools/AbstractTrace.java
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jar/org/aspectj/weaver/loadtime/JRockitAgent.java
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jar/org/aspectj/weaver/tools/CommonsTrace.java
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jar/org/aspectj/weaver/loadtime/JRockitAgent.java
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- \* Stephan Herrmann - Contribution for
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

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- \* mkaufman@bea.com - initial API as ICompilationParticipant
- \* IBM - changed from interface ICompilationParticipant to abstract class CompilationParticipant
- \* IBM - rewrote specification

\*

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jar/org/aspectj/weaver/internal/tools/StandardPointcutExpressionImpl.java  
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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
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\* Sergey Stupin - contributions for adding annotation processing support to ajc

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\* Contributors:

\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch

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jar/org/aspectj/weaver/reflect/IReflectionWorld.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-

jar/org/aspectj/weaver/reflect/IReflectionWorld.java

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jar/org/aspectj/weaver/bcel/BcelAccessForInlineMunger.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-

jar/org/aspectj/weaver/loadtime/Options.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-

jar/org/aspectj/weaver/loadtime/Options.java

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jar/org/aspectj/weaver/loadtime/Aj.java

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jar/org/aspectj/weaver/loadtime/Aj.java

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jar/org/aspectj/weaver/loadtime/Agent.java

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jar/org/aspectj/weaver/loadtime/definition/Definition.java

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jar/org/aspectj/weaver/bcel/BcelAccessForInlineMunger.java

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jar/org/aspectj/weaver/loadtime/Agent.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/InferenceSubstitution.java  
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\*   Jesper Steen Moller - Contributions for:  
\*     Bug 412149: [1.8][compiler] Emit repeated annotations into the designated container  
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\* Stephan Herrmann - Contribution for

\* bug 331649 - [compiler][null] consider null annotations for fields

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?

\* Jesper S Moller - Contributions for

\* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/JavadocMessageSend.java  
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 jar/org/aspectj/org/eclipse/jdt/internal/core/builder/AbstractImageBuilder.java  
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*
*   Jesper S Moller - Contributions for
*   Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
*****/
```

Found in path(s):

```
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/codegen/Opcodes.java
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* Contributors:
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*   Markus Schorn (Wind River Systems)
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/nd/db/IBTreeVisitor.java
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*   Stephan Herrmann - Contribution for
*   Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
```



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Found in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/JavaSearchNameEnvironment.java

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\* Jesper Steen Møller - Contributions for

\* bug 529552 - [18.3] Add 'var' in completions

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/impl/Keywords.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/WeaverStateInfo.java

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\* Andy Clement - initial implementation {date}  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeAnnos.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/ElementValue.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisAnnos.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisAnnos.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisParamAnnos.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/ElementValue.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeAnnos.java  
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\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
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\* \*\*\*\*\*/

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/lookup/ConstraintFormula.java  
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*   Stephan Herrmann - Contribution for  
*     bug 393719 - [compiler] inconsistent warnings on iteration variables  
*/
```

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* Contributors:
* wharley@bea.com - initial API and implementation
*
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchMessengerImpl.java
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jar/org/aspectj/org/eclipse/jdt/internal/core/builder/BuildNotifier.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/MovePackageFragmentRootOperation.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/CreateTypeOperation.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMFactory.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/VariableLocator.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/IJavaModelStatus.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/compiler/util/HashSetOfInt.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/search/FieldReferenceMatch.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMType.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/ImportContainer.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/select/SelectionOnQualifiedAllocationExpression.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/eval/IGlobalVariable.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMImport.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/NonJavaResource.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMMember.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/UserLibraryClasspathContainer.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/SubTypeSearchJob.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/SourceFieldElementInfo.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/jdom/DOMFactory.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/select/SelectionOnSingleTypeReference.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/SourceRefElement.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/UserLibraryClasspathContainerInitializer.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/DeclarationOfReferencedMethodsPattern.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnMemberAccess.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/codegen/VerificationTypeInfo.java  
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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/select/SelectionOnQualifiedTypeReference.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/DeleteResourceElementsOperation.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnSingleNameReference.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/select/SelectionOnSingleNameReference.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/indexing/IndexRequest.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/OrPattern.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/IRegion.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/TypeDeclarationPattern.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/ElementChangedEvent.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/LocalVariableLocator.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/codegen/CharArrayCache.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/Initializer.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/CopyPackageFragmentRootOperation.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/builder/ImageBuilderInternalException.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/util/ObjectVector.java  
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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMMethod.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/CreateInitializerOperation.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/select/SelectionOnQualifiedNameReference.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/search/PackageReferenceMatch.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/DeclarationOfAccessedFieldsPattern.java  
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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/codeassist/complete/CompletionOnQualifiedNameReference.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/MultiTypeDeclarationPattern.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/codegen/BranchLabel.java

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/LocalVariablePattern.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/VariablePattern.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/AbstractSearchScope.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMPackages.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/SuperTypeReferencePattern.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/CreatePackageDeclarationOperation.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMField.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/processing/IJob.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/IParent.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/jdom/IDOMInitializer.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/IInitializer.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/AbstractJavaSearchScope.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/PossibleMatchSet.java
*
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/TypeParameterPattern.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/core/compiler/InvalidInputException.java
No license file was found, but licenses were detected in source scan.

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/* *****

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Found in path(s):

```

* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/ResolvedMemberImpl.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-

```

jar/org/aspectj/weaver/ResolvedMemberImpl.java

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/* *****
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* Contributors:
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```
* Adrian Colyer Initial implementation
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```
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/AjType.java
```

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareError.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/TypeVariableReference.java
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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/InterTypeConstructorDeclarationImpl.java
```

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/InterTypeConstructorDeclarationImpl.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareWarning.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/bridge/context/PinpointingMessageHandler.java
```

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/NoSuchAdviceException.java
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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/ajdt/internal/compiler/lookup/AnonymousClassPublisher.aj
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/AdviceKind.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/annotation/ajcPrivileged.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/internal/lang/annotation/ajcITD.java
```

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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/PerClauseImpl.java
```



\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareAnnotation.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/ReflectionShadow.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/ajdt/internal/compiler/ast/AtAspectJAnnotationFactory.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/Pointcut.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/patterns/ScopeWithTypeVariables.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/DeclarePrecedence.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/AjType.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/PointcutExpressionImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/JoinPointMatchImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/StringToType.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/DeclareParents.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/DeclareSoftImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/internal/tools/PointcutDesignatorHandlerBasedPointcut.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/ShadowMatchImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/PointcutExpression.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/InterTypeDeclaration.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/AjTypeSystem.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/UnsupportedPointcutPrimitiveException.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/InterTypeMethodDeclarationImpl.java

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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegateFactory.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/TypePatternBasedPerClause.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegate.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/StandardShadowMatchImpl.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareError.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/PointcutDesignatorHandler.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/InterTypeMethodDeclarationImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/PointcutBasedPerClause.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/TypePatternImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/DeclareErrorOrWarning.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/Pointcut.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/reflect/DeclareAnnotation.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/reflect/StandardShadow.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/ScopeWithTypeVariables.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/DeclareSoftImpl.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/lang/reflect/NoSuchAdviceException.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/JoinPointSignatureIterator.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/reflect/NoSuchPointcutException.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-

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jar/org/aspectj/weaver/tools/ContextBasedMatcher.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-
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jar/org/aspectj/lang/reflect/Advice.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/lang/reflect/PointcutExpression.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/internal/tools/MatchingContextBasedTest.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/tools/PointcutParameter.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-
jar/org/aspectj/lang/reflect/SignaturePattern.java
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/lang/reflect/DeclareParents.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/internal/lang/reflect/DeclareErrorOrWarningImpl.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-
jar/org/aspectj/internal/lang/reflect/DeclareAnnotationImpl.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/tools/ShadowMatch.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java
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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/AbstractPatternNodeVisitor.java  
 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/reflect/ReflectionVar.java  
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 \* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java  
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 /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/patterns/HasThisTypePatternTriedToSneakInSomeGenericOrParameterizedTypePatternMatchingStuffAnywhereVisitor.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/internal/lang/reflect/DeclarePrecedenceImpl.java

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/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegate.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/internal/lang/annotation/ajcITD.java  
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\* bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax  
\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super  
\* Jesper S Moller <jesper@selskabet.org> - Contributions for  
\* bug 378674 - "The method can be declared as static" is wrong  
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in path(s):

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/QualifiedThisReference.java

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/util/IStructureModel.java

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*     bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment
*     bug 186342 - [compiler][null] Using annotations for null checking
*****/
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* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
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  - \* Contributors:
  - \* Mateusz Matela <mateusz.matela@gmail.com> - [formatter] Formatter does not format Java code correctly, especially when max line width is set - <https://bugs.eclipse.org/303519>
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\* Bug 458577 - IClassFile.getWorkingCopy() may lead to NPE in BecomeWorkingCopyOperation  
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\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
\* Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis  
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\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/imports/ImportComment.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/internal/core/dom/rewrite/imports/ImportComparator.java  
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jar/org/aspectj/weaver/reflect/AnnotationFinder.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/weaver/reflect/AnnotationFinder.java  
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* initial implementation      Andy Clement  
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jar/org/aspectj/lang/annotation/DeclareMixin.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-  
jar/org/aspectj/lang/annotation/DeclareMixin.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/lang/annotation/DeclareMixin.java  
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*   bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE  
*   bug 349326 - [1.7] new warning for missing try-with-resources  
*   bug 265744 - Enum switch should warn about missing default  
*   bug 374605 - Unreasonable warning for enum-based switch statements  
*   bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
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jar/org/aspectj/org/eclipse/jdt/internal/compiler/ast/SwitchStatement.java

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jar/org/aspectj/weaver/patterns/EllipsisTypePattern.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/patterns/NoTypePattern.java
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-
jar/org/aspectj/weaver/patterns/EllipsisTypePattern.java
*
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/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/weaver/patterns/NoTypePattern.java
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*   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
```

```
*       Bug 320618 - inconsistent initialization of classpath container backed by external class folder
```

```
*       Bug 346010 - [model] strange initialization dependency in OptionTests
```

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```

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```
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-
jar/org/aspectj/org/eclipse/jdt/internal/core/JavaProject.java
```

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* Helen Hawkins Converted to new interface (bug 148190)  
* *****/
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jar/org/aspectj/ajde/ui/swing/GoToLineThread.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/StructureViewPanel.java  
*  
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jar/org/aspectj/ajde/ui/swing/StructureTree.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/BrowserViewManager.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/CompilerMessagesCellRenderer.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/TreeViewBuildConfigEditor.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/SwingTreeNodeRenderer.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/OptionsFrame.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/AJButtonMenuCombo.java  
*  
/opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/SimpleStructureViewToolPanel.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/BuildConfigPopupMenu.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/BrowserViewTreeListener.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/MultiStructureViewPanel.java  
* /opt/cola/permits/1017214397_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-  
jar/org/aspectj/ajde/ui/swing/StructureTreeManager.java  
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jar/org/aspectj/ajde/ui/swing/BrowserView.java

\*

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jar/org/aspectj/ajde/ui/swing/BuildProgressPanel.java

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jar/org/aspectj/ajde/ui/swing/DefaultBuildProgressMonitor.java

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jar/org/aspectj/ajde/ui/swing/UpdateConfigurationDialog.java

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jar/org/aspectj/org/eclipse/jdt/internal/core/search/matching/ConstructorDeclarationPattern.java

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jar/org/aspectj/org/eclipse/jdt/internal/compiler/ExtraFlags.java

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\* Lyor Goldstein (vmware) add support for weaved class being re-defined

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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/AbstractFileCacheBacking.java  
\*

/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/DefaultFileCacheBacking.java

\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/AbstractIndexedFileCacheBacking.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/GeneratedCachedClassHandler.java  
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\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/AbstractFileCacheBacking.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/CachedClassReference.java  
\*  
/opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/weaver/tools/cache/AbstractCacheBacking.java  
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\* /opt/cola/permits/1017214397\_1654022815.5909169/0/aspectj-1-9-5-src-jar/aspectjtools-1-9-5-sources-jar/org/aspectj/org/eclipse/jdt/core/dom/WildcardType.java

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\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

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\* Tom Tromey - patch for readTable(String) as described in [http://bugs.eclipse.org/bugs/show\\_bug.cgi?id=32196](http://bugs.eclipse.org/bugs/show_bug.cgi?id=32196)

\* Stephan Herrmann - Contributions for

\* bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)

\* bug 374605 - Unreasonable warning for enum-based switch statements

\* bug 393719 - [compiler] inconsistent warnings on iteration variables

- \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
- \* bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
- \* bug 401035 - [1.8] A few tests have started failing recently
- \* Jesper S Moller - Contributions for
- \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- \* bug 399695 - [1.8][compiler] [1.8][compiler] migrate parser to other syntax for default methods
- \* bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
- \* bug 393192 - Incomplete type hierarchy with > 10 annotations
- \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \* Andy Clement - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- \* Bug 409250 - [1.8][compiler]
- Various loose ends in 308 code generation
- \* Bug 415821 - [1.8][compiler] CLASS\_EXTENDS target type annotation missing for anonymous classes

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\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjrt-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareParents.java  
\* /opt/cola/permits/1017214397\_1654022815.5909169/aspectj-1-9-5-src-jar/aspectjweaver-1-9-5-sources-jar/org/aspectj/lang/annotation/DeclareParents.java  
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  - \* Bug 425183 - [1.8][inference] make CaptureBinding18 safe
  - \* Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis

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\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
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\* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

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\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Jesper Steen Moller - Contributions for

\* Bug 412150 [1.8] [compiler]

Enable reflected parameter names during annotation processing

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\* bug 185682 - Increment/decrement operators mark local variables as read

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 368546 - [compiler][resource] Avoid remaining false positives found

when compiling the Eclipse SDK

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first field

\* Bug 458396 - NPE in CodeStream.invoke()

\* Jesper S Moller - Contributions for

\* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 378674 - "The method can be declared as static" is wrong

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## 1.396 libxtst 1.2.3-1.el7

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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## 1.406 spring-framework 5.2.3

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\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/CompositeIterator.java  
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* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/annotation/MergedAnnotationSelector.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/codec/ResourceRegionEncoder.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/ResolvableType.java
*
/opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/annotation/MergedAnnotation.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/util/PathMatcher.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/log/LogFormatUtils.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/util/AntPathMatcher.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/convert/support/StringToUUIDConverter.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/env/PropertyResolverExtensions.kt
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/core/SpringVersion.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/util/xml/XmlValidationModeDetector.java
*

```



/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/annotation/AttributeMethods.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/LinkedCaseInsensitiveMap.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/ObjectUtils.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/codec/ByteBufferDecoder.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/annotation/SynthesizingMethodParameter.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/MimeType.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/annotation/AnnotationsProcessor.java  
\*  
/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/xml/TransformerUtils.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/log/LogDelegateFactory.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/SocketUtils.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/cglib/core/ClassLoaderAwareGeneratorStrategy.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/io/support/SpringFactoriesLoader.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/annotation/MergedAnnotationsCollection.java  
\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/type/classreading/RecursiveAnnotationArrayVisitor.java  
\*  
/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/annotation/AbstractMergedAnnotation.java  
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\*

/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/codec/ResourceDecoder.java

\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/util/ClassUtils.java

\* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/codec/StringDecoder.java

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- \* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java
- \* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/style/ValueStyler.java
- \*

/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/core/io/support/ResourcePatternResolver.java

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- \* /opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/asm/TypeReference.java
- \*

/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/asm/ConstantDynamic.java

/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/asm/SymbolTable.java

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/opt/cola/permits/1020067482\_1611562681.86/0/spring-core-5-2-3-release-sources-jar/org/springframework/asm/FieldVisitor.java

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jar/org/springframework/asm/MethodTooLargeException.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Constants.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/AnnotationWriter.java
*
/opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/TypePath.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Symbol.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Handle.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Attribute.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/AnnotationVisitor.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Label.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Type.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/ModuleWriter.java
*
/opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/ClassVisitor.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/ClassWriter.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Context.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/MethodVisitor.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/CurrentFrame.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/FieldWriter.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/ClassReader.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Edge.java
*
/opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/MethodWriter.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/ByteVector.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/asm/Handler.java
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
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```
* /opt/cola/permits/1020067482_1611562681.86/0/spring-core-5-2-3-release-sources-
jar/org/springframework/cglib/proxy/Enhancer.java
```

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# 1.408 spring-retry 1.2.5

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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Schemas for Java EE Deployment Descriptors:

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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
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- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
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- javaee\_5.xsd

- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd

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## 1.440 spring-jdbc 5.2.5

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## 1.441 jakarta-annotation-api 1.3.5

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# 1.455 tomcat-catalina-ant 9.0.22

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## 1.459 spring-messaging 5.2.5

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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/handler/annotation/ValueConstants.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/handler/annotation/Headers.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/handler/invoke/HandlerMethodReturnValueHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/core/BeanFactoryMessageChannelDestinationResolver.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/handler/annotation/support/MethodArgumentTypeMismatchException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/tcp/ReconnectStrategy.java  
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 jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandlerComposite.java  
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 jar/org/springframework/messaging/converter/MarshallingMessageConverter.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
 jar/org/springframework/messaging/simp/annotation/support/SimpAnnotationMethodMessageHandler.java  
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 jar/org/springframework/messaging/rsocket/DefaultMetadataExtractor.java  
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 jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolverComposite.java  
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 jar/org/springframework/messaging/rsocket/annotation/support/RSocketRequesterMethodArgumentResolver.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
 jar/org/springframework/messaging/core/GenericMessagingTemplate.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
 jar/org/springframework/messaging/handler/annotation/MessageMapping.java

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jar/org/springframework/messaging/core/DestinationResolvingMessageSendingOperations.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/support/ChannelInterceptorAdapter.java
*
/opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpConnection.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/simp/stomp/StompHeaders.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/Message.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/simp/annotation/support/SendToMethodReturn ValueHandler.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/MessageHeaders.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/tcp/FixedIntervalReconnectStrategy.java
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* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/simp/broker/AbstractBrokerMessageHandler.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
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* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
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* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/simp/stomp/BufferingStompDecoder.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
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jar/org/springframework/messaging/support/AbstractHeaderMapper.java  
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 jar/org/springframework/messaging/handler/invoke/reactive/HandlerMethodArgumentResolver.java  
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jar/org/springframework/messaging/support/ExecutorSubscribableChannel.java  
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jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodReturnValueHandlerComposite.java  
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jar/org/springframework/messaging/simp/broker/BrokerAvailabilityEvent.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
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jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java  
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jar/org/springframework/messaging/simp/broker/SubscriptionRegistry.java  
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jar/org/springframework/messaging/simp/broker/OrderedMessageSender.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
jar/org/springframework/messaging/simp/config/MessageBrokerRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
jar/org/springframework/messaging/core/DestinationResolvingMessageRequestReplyOperations.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
jar/org/springframework/messaging/core/MessageReceivingOperations.java  
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jar/org/springframework/messaging/simp/config/ChannelRegistration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
jar/org/springframework/messaging/simp/annotation/support/MissingSessionUserException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-  
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jar/org/springframework/messaging/simp/annotation/SendToUser.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/rsocket/MetadataEncoder.java  
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/opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/rsocket/annotation/support/MessagingRSocket.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/stomp/StompDecoder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/converter/ProtobufJsonFormatMessageConverter.java

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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/stomp/ConnectionLostException.java  
\*

/opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/user/SimpUserRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/converter/CompositeMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/handler/annotation/SendTo.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/user/SimpSubscriptionMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/stomp/StompReactorNettyCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/user/UserDestinationResolver.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/stomp/StompCommand.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/core/DestinationResolutionException.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/stomp/StompConversionException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/SubscribableChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/MessageDeliveryException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-

jar/org/springframework/messaging/core/MessagePostProcessor.java

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 */
/**
 * Set the max pool size of the ThreadPoolExecutor.
 * <p><strong>NOTE:</strong> When an unbounded
 * { @link #queueCapacity(int) queueCapacity } is configured (the default), the
 * max pool size is effectively ignored. See the "Unbounded queues" strategy
 * in { @link java.util.concurrent.ThreadPoolExecutor
ThreadPoolExecutor } for
 * more details.
 * <p>By default this is set to { @code Integer.MAX_VALUE }.
 */
```

Found in path(s):

`/opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/config/TaskExecutorRegistration.java`

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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/support/MessageHandlingRunnable.java

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/opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/handler/annotation/support/MessageHandlerMethodFactory.java

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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/support/MessageHeaderInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/MessageHandlingException.java

\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/support/HeaderMapper.java

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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/stomp/ConnectionHandlingStompSession.java

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\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/annotation/SubscribeMapping.java

\* /opt/ws\_local/PERMITS\_SQL/1031691688\_1589921555.15/0/spring-messaging-5-2-5-release-sources-jar/org/springframework/messaging/simp/user/DestinationUserNameProvider.java

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* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
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* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/handler/MessageCondition.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/handler/invocation/ListenableFutureReturnValueHandler.java
*
/opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/handler/annotation/Header.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/simp/stomp/StompFrameHandler.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/handler/annotation/Payload.java
* /opt/ws_local/PERMITS_SQL/1031691688_1589921555.15/0/spring-messaging-5-2-5-release-sources-
jar/org/springframework/messaging/tcp/TcpConnectionHandler.java
```

# 1.460 spring-integration-core 5.2.5

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jar/org/springframework/integration/transformer/support/HeaderValueMessageProcessor.java
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 jar/org/springframework/integration/config/xml/SpelFunctionParser.java  
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 jar/org/springframework/integration/IntegrationMessageHeaderAccessor.java  
 \*  
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 jar/org/springframework/integration/gateway/MethodArgsMessageMapper.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-  
 jar/org/springframework/integration/events/IntegrationEvent.java  
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 jar/org/springframework/integration/support/json/AbstractJacksonJsonObjectMapper.java  
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 jar/org/springframework/integration/config/SpelFunctionFactoryBean.java  
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 jar/org/springframework/integration/expression/ExpressionEvalMap.java  
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 jar/org/springframework/integration/config/xml/SpelPropertyAccessorsParser.java  
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 jar/org/springframework/integration/util/StackTraceUtils.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-  
 jar/org/springframework/integration/transformer/support/ExpressionEvaluatingHeaderValueMessageProcessor.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-  
 jar/org/springframework/integration/support/json/Jackson2JsonObjectMapper.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-  
 jar/org/springframework/integration/transformer/support/MessageProcessingHeaderValueMessageProcessor.java  
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- \*
- /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/management/metrics/MetricsCaptor.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/dsl/context/StandardIntegrationFlowRegistration.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/config/IntegrationSimpleEvaluationContextFactoryBean.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/config/annotation/Disposables.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/management/MessageSourceMetricsConfigurer.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/util/CloseableIterator.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/store/UniqueExpiryCallback.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/endpoint/PollingOperations.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/ObjectStringMapBuilder.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/config/AbstractEvaluationContextFactoryBean.java
- \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/annotation/EndpointId.java
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\* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/management/metrics/GaugeFacade.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/NullAwarePayloadArgumentResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/util/PoolItemNotAvailableException.java

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\* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/endpoint/MessageProcessorMessageSource.java  
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 /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/handler/support/PayloadExpressionArgumentResolver.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/json/AdviceMessageJacksonDeserializer.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/expression/SpelPropertyAccessorRegistrar.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/MessagingExceptionWrapper.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/DefaultErrorMessageStrategy.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/gateway/AnnotationGatewayProxyFactoryBean.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/annotation/UseSpellInvoker.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/json/EmbeddedJsonHeadersMessageMapper.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/handler/support/PayloadsArgumentResolver.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/core/ErrorMessagePublisher.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/handler/HeaderPropagationAware.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/support/ErrorMessageStrategy.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/dsl/FluxMessageChannelSpec.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/json/SimpleJsonSerializer.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031691689\_1589924189.79/0/spring-integration-core-5-2-5-release-sources-jar/org/springframework/integration/StaticMessageHeaderAccessor.java

## 1.461 vertx-jwt 3.9.0

## 1.461.1 Available under license :

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# 1.462 hibernate-validator-annotation-processor 6.0.18

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/\*

```

* Hibernate Validator, declare and validate application constraints
*
* License: Apache License, Version 2.0
* See the license.txt file in the root directory or <http://www.apache.org/licenses/LICENSE-2.0>.
*/
/**
* Retrieves constraint related meta data for the parameters of the given
* executable.
*
* @param executable The executable of interest.
*
* @return A list with parameter meta data for the given executable.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

```

No license file was found, but licenses were detected in source scan.

```

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* Hibernate Validator, declare and validate application constraints
*
* License: Apache License, Version 2.0
* See the license.txt file in the root directory or <http://www.apache.org/licenses/LICENSE-2.0>.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForByte.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenCollector.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/AbstractJavaTimeValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfDouble.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/hv/ISBNValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptionsImpl.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/resolver/JPATraversableResolver.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/AbstractFutureOrPresentInstantBase
dValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/xml/mapping/ConstrainedConstructorStaxBuilder.java
*

```



/opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/xml/mapping/AbstractOneLineStringStaxBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/metadata/location/TypeArgumentConstraintLocation.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/xml/mapping/ConstrainedMethodStaxBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/PositiveValidatorForMonetaryAmount.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/hv/CodePointLengthValidator.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/util/privilegedactions/GetResolvedMemberMethods.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/PotentiallyContainerCascadingMetaData.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForDate.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/util/classhierarchy/Filter.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/cfg/context/PropertyTarget.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/engine/messageinterpolation/package-info.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/cfg/defs/NegativeDef.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/spi/group/DefaultGroupSequenceProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/DecimalMaxValidatorForMonetaryAmount.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/hv/UniqueElementsValidator.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/engine/valueextraction/OptionalValueExtractor.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForJapaneseDate.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/metadata/core/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForMonthDay.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/cfg/context/AnnotationIgnoreOptions.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForLocalDateTime.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-

jar/org/hibernate/validator/internal/engine/messageinterpolation/FormatterWrapper.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/money/PositiveOrZeroValidatorForMonetaryAmount.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/xml/package-info.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForNumber  
 .java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/metadata/descriptor/ConstraintDescriptorImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/hv/EANValidator.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/engine/valueextraction/MapPropertyValueExtractor.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForCalend  
 ar.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredFields.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/cfg/defs/AssertTrueDef.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorDescriptor.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/hv/package-info.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForInteger.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/cfg/context/ParameterConstraintMappingContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/metadata/core/ConstraintOrigin.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForMap.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/engine/constraintvalidation/LambdaBasedValidatorDescriptor.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/metadata/aggregated/BeanMetaData.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForBigInteger.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForReadab  
 lePartial.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-

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jar/org/hibernate/validator/internal/constraintvalidators/bv/NotNullValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/package-info.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/cfg/defs/NotNullDef.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ClassBasedValidatorDescriptor.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/ParallelMethodsMustNotDefineParameterConstraints.j
ava
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetDate
Time.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForNumber
.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/scripting/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorContextImpl.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/cfg/defs/PatternDef.java
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* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
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* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
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* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/constraints/time/DurationMax.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/package-info.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/constraints/NotBlank.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PolishNumberValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/groups/GroupWithInheritance.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/constraints/ModCheck.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/ConstraintMetaData.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/cfg/context/TypeTarget.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/ParallelMethodsMustNotDefineGroupConversionForC
ascadedReturnValue.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MaxValidatorForFloat.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForLong.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-

```

```

jar/org/hibernate/validator/internal/util/privilegedactions/ConstructorInstance.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/hv/AbstractScriptAssertValidator.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/raw/ConstrainedField.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForOffset
DateTime.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/xml/mapping/ConstraintDefinitionStaxBuilder.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/groups/Sequence.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/descriptor/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArray.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForInteger.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/resolver/TraversableResolvers.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForOffset
Time.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/path/ContainerElementNode.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/constraints/br/package-info.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/xml/mapping/CrossParameterStaxBuilder.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/util/logging/formatter/ObjectArrayFormatter.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForDouble.
java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/valueextraction/ObjectArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/valueextraction/DoubleArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForBigInte
ger.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/resourceloading/AggregateResourceBundleLocator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-

```

```

jar/org/hibernate/validator/internal/constraintvalidators/hv/NotBlankValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/util/TypeVariables.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/valueextraction/ObservableValueValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/AssertFalseValidator.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/metadata/facets/Cascadable.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/group/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/constraintvalidation/HibernateConstraintValidatorInitializationContextIm
pl.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/messageinterpolation/ResourceBundleMessageInterpolator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintViolationCreationContext.java
*
/opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeOrZeroValidatorForMonetaryAmount.ja
va
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/resourceloading/DelegatingResourceBundleLocator.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/constraintvalidation/HibernateConstraintValidatorContext.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/cfg/context/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForYearM
onth.java
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```

```

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*
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*/
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*/

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\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/validation-configuration-2.0.xsd

\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/validation-mapping-1.0.xsd

\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/validation-mapping-2.0.xsd

\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/validation-configuration-1.0.xsd

\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/org/hibernate/validator/overview.html

\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/validation-mapping-1.1.xsd

\*

/opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/validation-configuration-1.1.xsd

\* /opt/ws\_local/PERMITS\_SQL/1031731802\_1589523906.0/0/hibernate-validator-6-0-18-final-sources-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml

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\*/

/\*\*

\* <p>

\* A method-level constraint, that evaluates a script expression against the  
\* annotated method or constructor. This constraint can be used to implement  
\* validation routines that depend on several parameters of the annotated  
\* executable.

\* </p>

\* <p>

\* Script expressions can be written in any scripting or expression language,

\* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>

\* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be

\* found on the classpath. To refer to a parameter within the scripting

```

* expression, use its name as obtained by the active
* {@link javax.validation.ParameterNameProvider}. By default, {@code arg0}, {@code arg1}
etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")}
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
*
* @author Gunnar Morling
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java

```

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* /opt/ws_local/PERMITS_SQL/1031731802_1589523906.0/0/hibernate-validator-6-0-18-final-sources-
jar/org/hibernate/validator/internal/util/TypeHelper.java

```

# 1.463 vertx-core 3.9.0

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## 1.464 reactor-core 3.3.4

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reactor.core.scheduler.ReactorBlockHoundIntegration
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1031731809_1589518329.18/0/reactor-core-3-3-2-release-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration
```

## 1.465 netty-handler-proxy 4.1.48

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\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/META-INF/maven/io.netty/netty-handler-proxy/pom.xml

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\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/ProxyConnectException.java

\*

/opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/ProxyHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1031731804\_1589920936.69/0/netty-handler-proxy-4-1-48-final-sources-jar/io/netty/handler/proxy/package-info.java

# 1.466 spring-amqp 2.2.5

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```
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/core/ReplyToAddressCallback.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/core/ReceiveAndReplyMessageCallback.java
*
/opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/AmqpAuthenticationException.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/Utils/test/TestUtils.java
```

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 */
```

```
*/
/**
 * Special exception for listener implementations that want to signal that the current
 * batch of messages should be acknowledged immediately (i.e. as soon as possible) without
 * rollback, and without consuming any more messages within the current transaction.
 *
 * @author Dave Syer
 * @author Gary Russell
 *
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/ImmediateAcknowledgeAmqpException.java
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```
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/core/AbstractBuilder.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/core/AmqpReplyTimeoutException.java
*
/opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/support/converter/WhiteListDeserializingMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/AmqpApplicationContextClosedException.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/core/AsyncAmqpTemplate.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/AmqpRemoteException.java
* /opt/ws_local/PERMITS_SQL/1031731793_1589921384.71/0/spring-amqp-2-2-3-release-sources-
jar/org/springframework/amqp/support/converter/RemoteInvocationAwareMessageConverterAdapter.java
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\* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/core/ExchangeBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/Utils/MapBuilder.java  
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/opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/support/converter/SmartMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/core/QueueBuilder.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/support/converter/Jackson2JavaTypeMapper.java
- \* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/core/AmqpTemplate.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/core/Message.java
- \* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/support/converter/ClassMapper.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/support/SimpleAmqpHeaderMapper.java
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  - \* /opt/ws\_local/PERMITS\_SQL/1031731793\_1589921384.71/0/spring-amqp-2-2-3-release-sources-jar/org/springframework/amqp/support/postprocessor/AbstractCompressingPostProcessor.java
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# 1.468 vertex-web 3.9.0

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/opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksMessageEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java

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/opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksCmdRequestDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/SocksMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksCmdRequest.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerDecoder.java  
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/opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandType.java  
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/opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksCommonUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksRequest.java  
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/opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequest.java  
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/opt/ws\_local/PERMITS\_SQL/1031731789\_1589920900.3/0/netty-codec-socks-4-1-48-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java

# 1.470 vertx-bridge-common 3.9.0

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# 1.474 vertex-auth-common 3.9.0

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# 1.475 spring-rabbit 2.2.5

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jar/org/springframework/amqp/rabbit/listener/FatalExceptionHandler.java
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jar/org/springframework/amqp/rabbit/listener/RabbitListenerEndpointRegistry.java
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jar/org/springframework/amqp/rabbit/annotation/EnableRabbit.java
* /opt/ws_local/PERMITS_SQL/1031731814_1589921577.2/0/spring-rabbit-2-2-5-release-sources-
jar/org/springframework/amqp/rabbit/config/SimpleRabbitListenerEndpoint.java
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*
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\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/log4j2/AmqpAppender.java  
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  - \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/config/AbstractRabbitListenerContainerFactory.java
  - \*
  - /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/listener/adapters/AbstractAdaptableMessageListener.java
  - \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/listener/AbstractRabbitListenerEndpoint.java
  - \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/annotation/RabbitListenerAnnotationBeanPostProcessor.java
  - \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/listener/MessageListenerContainer.java
  - \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/annotation/RabbitListener.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/config/QueueParser.java
- \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/core/RabbitAdmin.java
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- /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/config/AdminParser.java
- \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/config/TopicExchangeParser.java

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jar/org/springframework/amqp/rabbit/listener/exception/FatalListenerStartupException.java
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jar/org/springframework/amqp/rabbit/config/StatefulRetryOperationsInterceptorFactoryBean.java
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jar/org/springframework/amqp/rabbit/retry/RejectAndDontRequeueRecoverer.java
* /opt/ws_local/PERMITS_SQL/1031731814_1589921577.2/0/spring-rabbit-2-2-5-release-sources-
jar/org/springframework/amqp/rabbit/config/TemplateParser.java
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  - \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/connection/SimplePropertyValueConnectionNameStrategy.java
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- \* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-

jar/org/springframework/amqp/rabbit/listener/ConsumeOkEvent.java

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jar/org/springframework/amqp/rabbit/listener/exception/MessageRejectedWhileStoppingException.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/annotation/RabbitListeners.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/connection/ConnectionNameStrategy.java

\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/listener/AsyncConsumerStartedEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/listener/api/RabbitListenerErrorHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/support/ArgumentBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/listener/AsyncConsumerRestartedEvent.java

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/opt/ws\_local/PERMITS\_SQL/1031731814\_1589921577.2/0/spring-rabbit-2-2-5-release-sources-jar/org/springframework/amqp/rabbit/core/DeclareExchangeConnectionListener.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/support/AmqpHeaderMapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/config/AmqpOutboundGatewayParser.java

\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/config/AmqpOutboundChannelAdapterParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/config/AmqpChannelFactoryBean.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/channel/PublishSubscribeAmqpChannel.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/config/AmqpInboundGatewayParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/outbound/AmqpOutboundEndpoint.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/inbound/AmqpInboundChannelAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/config/AbstractAmqpInboundAdapterParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/config/AmqpNamespaceHandler.java  
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/opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/channel/PointToPointSubscribableAmqpChannel.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731799\_1589921441.39/0/spring-integration-amqp-5-2-5-release-sources-jar/org/springframework/integration/amqp/channel/AbstractAmqpChannel.java  
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jar/org/springframework/integration/amqp/support/MappingUtils.java

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## 1.479 spring-jcl 5.2.5

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# 1.482 spring-boot-autoconfigure 2.2.6

## 1.482.1 Available under license :

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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/kafka/KafkaAnnotationDrivenConfiguration.java  
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/web/servlet/error/BasicErrorController.java  
*  
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/web/embedded/NettyWebServerFactoryCustomizer.java  
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQConnectionFactoryConfiguration.java  
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisConnectionFactoryConfiguration.java  
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/OnBeanCondition.java
```

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/flyway/FlywayAutoConfiguration.java  
\*  
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- \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/elasticsearch/ReactiveRestClientProperties.java
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/condition/ConditionalOnResource.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/elasticsearch/jest/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/ImportAutoConfiguration.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/cassandra/CassandraAutoConfiguration.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/DataSourceInitializationConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jms/JmsProperties.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/elasticsearch/package-info.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/context/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/servlet/PathRequest.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/reactive/error/AbstractErrorWebExceptionHandler.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/http/codec/CodecsAutoConfiguration.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/couchbase/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/cache/CacheAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/hateoas/HateoasProperties.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/web/reactive/ResourceHandlerRegistrationCustomizer.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/data/package-info.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/elasticsearch/rest/RestClientAutoConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/condition/ConditionOutcome.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/web/reactive/error/DefaultErrorWebExceptionHandler.java  
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 /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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 jar/org/springframework/boot/autoconfigure/AutoConfigurations.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseConfigurerAdapterConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/mongo/embedded/package-info.java  
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 /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/condition/FilteringSpringBootCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/data/redis/RedisProperties.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/validation/package-info.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/thymeleaf/ThymeleafProperties.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/data/elasticsearch/ReactiveElasticsearchRepositoriesAutoConfiguration  
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 jar/org/springframework/boot/autoconfigure/data/rest/RepositoryRestMvcAutoConfiguration.java  
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 jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQConnectionFactoryCustomizer.java  
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 jar/org/springframework/boot/autoconfigure/elasticsearch/rest/package-info.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/diagnostics/analyzer/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/session/RedisReactiveSessionConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/amqp/RabbitProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/quartz/JobStoreType.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/task/TaskExecutionAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/task/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jersey/JerseyProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/ldap/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-

jar/org/springframework/boot/autoconfigure/jooq/SqlDialectLookup.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jdbc/DataSourceSchemaCreatedEvent.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/gson/GsonAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/session/HazelcastSessionConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/hazelcast/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/amqp/DirectRabbitListenerContainerFactoryConfigurer.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/mail/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/liquibase/LiquibaseSchemaManagementProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/template/AbstractViewResolverProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/NoneNestedConditions.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/transaction/jta/JndiJtaConfiguration.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/domain/EntityScanner.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/data/redis/JedisConnectionConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/template/TemplateAvailabilityProviders.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/transaction/jta/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/session/JdbcSessionDataSourceInitializer.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jmx/ParentAwareNamingStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/session/ReactiveSessionCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnSingleCandidate.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/web/servlet/DispatcherServletRegistrationBean.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-

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jar/org/springframework/boot/autoconfigure/data/cassandra/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/session/package-info.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/aop/AopAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jdbc/JdbcProperties.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/groovy/template/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastClientFactory.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/batch/package-info.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jackson/JacksonAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/AutoConfigurationSorter.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/transaction/TransactionProperties.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/influx/InfluxDbAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchDataConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/AutoConfigurationPackage.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/template/TemplateAvailabilityProvider.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/mongo/MongoClientDependsOnBeanFactoryPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/function/client/ClientHttpConnectorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/session/MongoReactiveSessionConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jackson/Jackson2ObjectMapperBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/security/oauth2/resource/IssuerUriCondition.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseRepositoriesRegistrar.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/AllNestedConditions.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-

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jar/org/springframework/boot/autoconfigure/security/servlet/SecurityAutoConfiguration.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/kafka/KafkaStreamsAnnotationDrivenConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/amqp/AbstractRabbitListenerContainerFactoryConfigurer.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/OnClassCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/web/reactive/function/client/WebClientCodecCustomizer.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/context/MessageSourceAutoConfiguration.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jdbc/NamedParameterJdbcTemplateConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnProperty.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/web/format/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/thymeleaf/ThymeleafAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/cache/JCachePropertiesCustomizer.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/http/HttpMessageConverters.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jsonb/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/jdbc/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/batch/BatchConfigurerConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/web/format/WebConversionService.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/elasticsearch/rest/RestClientBuilderCustomizer.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/session/NonUniqueSessionRepositoryException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnNotWebApplication.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/amqp/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/batch/JobLauncherCommandLineRunner.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-

jar/org/springframework/boot/autoconfigure/security/oauth2/resource/reactive/ReactiveOAuth2ResourceServerOpaqueTokenConfiguration.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseReactiveRepositoriesRegistrar.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/WelcomePageHandlerMapping.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/condition/ConditionEvaluationReportAutoConfigurationImportListener.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/embedded/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/freemarker/AbstractFreeMarkerConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/WebMvcRegistrations.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/solr/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/mongo/ReactiveMongoClientFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/domain/package-info.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/mongo/MongoAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/amqp/RetryTemplateFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/reactive/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/JspTemplateAvailabilityProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/orm/jpa/HibernatePropertiesCustomizer.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/XADataSourceAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/flyway/FlywayDataSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/session/NoOpReactiveSessionConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/cache/JCacheCacheConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateJpaConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-

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jar/org/springframework/boot/autoconfigure/data/rest/SpringBootRepositoryRestConfigurer.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnBean.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/AutoConfigurationImportEvent.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/ServletWebServerFactoryCustomizer.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/session/ServletSessionCondition.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/http/HttpProperties.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraDataAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/quartz/QuartzProperties.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnJndiCondition.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jms/JmsPoolConnectionFactoryFactory.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnMissingBean.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisMode.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnWebApplicationCondition.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/mustache/MustacheReactiveWebConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/gson/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/info/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/redis/RedisRepositoriesAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisConnectionFactoryFactory.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/mongo/MongoDbFactoryDependentConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/error/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jms/JmsAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/SearchStrategy.java
*

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/HttpEncodingAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/KeyValueCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/redis/LettuceClientConfigurationBuilderCustomizer.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/reactive/function/client/ClientHttpConnectorAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQConnectionFactoryFactory.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/flyway/FlywayMigrationScriptMissingFailureAnalyzer.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/SecurityProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/mongo/MongoDbFactoryConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jsonb/JsonbAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/HikariDriverConfigurationFailureAnalyzer.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/batch/BatchProperties.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/reactive/WebFluxAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/rsocket/RSocketSecurityAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/elasticsearch/rest/RestClientProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/EmbeddedDataSourceConfiguration.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchRepositoriesRegistrar.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/influx/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/SecurityDataConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/condition/ResourceCondition.java

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*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/jms/JmsAnnotationDrivenConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/redis/RedisAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/websocket/servlet/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/transaction/TransactionAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/cloud/package-info.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/mustache/MustacheResourceTemplateLoader.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/neo4j/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/solr/SolrRepositoriesAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/quartz/SchedulerFactoryBeanCustomizer.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/orm/jpa/JpaProperties.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraReactiveDataAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/cassandra/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/mustache/MustacheProperties.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateDefaultDdlAutoProvider.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnCloudPlatformCondition.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/ReactiveWebServerFactoryAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/ JerseyApplicationPath.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/cache/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/web/package-info.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/data/ldap/LdapRepositoriesAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/org/springframework/boot/autoconfigure/cache/NoOpCacheConfiguration.java
*

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/security/oauth2/client/servlet/OAuth2WebSecurityConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/integration/package-info.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/websocket/servlet/JettyWebSocketServletWebServerCustomizer.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/transaction/TransactionManagerCustomizers.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/condition/ConditionalOnCloudPlatform.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQXAConnectionFactoryConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/quartz/QuartzDataSource.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/liquibase/LiquibaseAutoConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/logging/package-info.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/AutoConfigurationImportListener.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/logging/ConditionEvaluationReportMessage.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/liquibase/package-info.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/web/servlet/UndertowServletWebServerFactoryCustomizer.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/data/ConditionalOnRepositoryType.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/cache/EhCacheCacheConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/task/TaskSchedulingProperties.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/mail/MailSenderAutoConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/cache/HazelcastJCacheCustomizationConfiguration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/AutoConfigureOrder.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/security/servlet/JerseyRequestMatcherProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/data/mongo/MongoReactiveRepositoriesRegistrar.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
 jar/org/springframework/boot/autoconfigure/BackgroundPreinitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/couchbase/SpringBootCouchbaseConfigurer.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/error/ErrorMvcAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/client/RestTemplateAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/ServletWebServerFactoryAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/batch/JobExecutionExitCodeGenerator.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/ImportAutoConfigurationImportSelector.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/batch/JpaBatchConfigurer.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisXAConnectionFactoryConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/sendgrid/SendGridProperties.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/cache/CacheManagerCustomizers.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/dao/PersistenceExceptionTranslationAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/rsocket/RSocketServerAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/web/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/web/SpringDataWebProperties.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/client/OAuth2ClientPropertiesRegistrationAdapter.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/context/PropertyPlaceholderAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/context/ConfigurationPropertiesAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/thymeleaf/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/servlet/SpringBootWebSecurityConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/rsocket/RSocketProperties.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/flyway/FlywayMigrationStrategy.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/mongo/MongoReactiveAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/client/servlet/OAuth2ClientRegistrationRepositoryConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/orm/jpa/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/validation/PrimaryDefaultValidatorPostProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/JdbcTemplateAutoConfiguration.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerServletWebConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/couchbase/OnBootstrapHostsCondition.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/metadata/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/OAuth2ResourceServerProperties.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/error/AbstractErrorController.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/task/TaskSchedulingAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/websocket/servlet/UndertowWebSocketServletWebServerCustomizer.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/servlet/OAuth2ResourceServerOpaqueTokenConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/data/RepositoryType.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/liquibase/LiquibaseDataSource.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/JndiDataSourceAutoConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerTemplateAvailabilityProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/mail/MailProperties.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/DataSourceInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/elasticsearch/rest/RestClientConfigurations.java

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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/client/servlet/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-



jar/org/springframework/boot/autoconfigure/cassandra/CassandraProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/SpringBootApplication.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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jar/org/springframework/boot/autoconfigure/websocket/servlet/TomcatWebSocketServletWebServerCustomizer.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/data/mongo/MongoReactiveDataAutoConfiguration.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/data/web/SpringDataWebAutoConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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jar/org/springframework/boot/autoconfigure/solr/SolrAutoConfiguration.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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jar/org/springframework/boot/autoconfigure/condition/OnExpressionCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/groovy/template/GroovyTemplateAvailabilityProvider.java  
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jar/org/springframework/boot/autoconfigure/security/StaticResourceLocation.java  
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jar/org/springframework/boot/autoconfigure/web/reactive/function/client/package-info.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
jar/org/springframework/boot/autoconfigure/data/jpa/JpaRepositoriesRegistrar.java  
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jar/org/springframework/boot/autoconfigure/rsocket/RSocketStrategiesAutoConfiguration.java  
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/opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-  
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jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseReactiveRepositoriesAutoConfiguration.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731790\_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/autoconfigure/http/package-info.java

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jar/org/springframework/boot/autoconfigure/rsocket/RSocketMessagingAutoConfiguration.java
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jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraRepositoriesRegistrar.java

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* /opt/ws_local/PERMITS_SQL/1031731790_1589921434.06/0/spring-boot-autoconfigure-2-2-6-release-sources-
jar/META-INF/maven/org.springframework.boot/spring-boot-autoconfigure/pom.xml

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## 1.483 netty-codec-dns 4.1.48

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\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-jar/io/netty/handler/codec/dns/DnsResponseDecoder.java

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/opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-jar/io/netty/handler/codec/dns/DnsQueryEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-

jar/io/netty/handler/codec/dns/DnsCodecUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-

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jar/io/netty/handler/codec/dns/AbstractDnsRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-

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jar/io/netty/handler/codec/dns/DnsRawRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-

jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java

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jar/io/netty/handler/codec/dns/DatagramDnsResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-

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jar/io/netty/handler/codec/dns/AbstractDnsMessage.java

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jar/io/netty/handler/codec/dns/DnsMessageUtil.java

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/opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-

jar/io/netty/handler/codec/dns/DatagramDnsQuery.java

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jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java

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/opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731796\_1589909740.11/0/netty-codec-dns-4-1-48-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java

# 1.484 netty-resolver-dns 4.1.48

## 1.484.1 Available under license :

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/META-INF/maven/io.netty/netty-resolver-dns/pom.xml

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\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/DnsQueryContextManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/DnsServerAddressStream.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/DnsNameResolverBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/DnsNameResolverException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-  
jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/NoopDnsCache.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DefaultDnsCache.java

\*

/opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/InflightNameResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsCache.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsRecordResolveContext.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsCnameCache.java

\*

/opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/NameServerComparator.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java

\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-

```
jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/Cache.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DirContextUtils.java
*
/opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DefaultDnsCnameCache.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
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jar/io/netty/resolver/dns/PreferredAddressTypeComparator.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DatagramDnsQueryContext.java
*
/opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/TcpDnsQueryContext.java
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\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java  
\*  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsQueryContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java

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\* /opt/ws\_local/PERMITS\_SQL/1031731803\_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java  
\*

```

/opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DnsQueryLifecycleObserver.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DnsQueryLifecycleObserverFactory.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserver.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DnsCacheEntry.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java
*
/opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserverFactory.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserverFactory.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/TraceDnsQueryLifecycleObserver.java
*
/opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1031731803_1589920963.65/0/netty-resolver-dns-4-1-48-final-sources-
jar/io/netty/resolver/dns/TraceDnsQueryLifeCycleObserverFactory.java

```

## 1.485 json-simple 3.11.11

### 1.485.1 Available under license :

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```

/**
* The <code>org.jooq.tools.reflect</code> package contains parts of jOOR.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* jOOR website for more details about jOOR:
* <p>

```

\* <a href="http://code.google.com/p/joor/">http://code.google.com/p/joor/</a>

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/reflect/package-info.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/reflect/Reflect.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/reflect/Compile.java

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/\*\*

\* The <code>org.jooq.tools.json</code> package contains parts of JSON Simple.

\* <p>

\* jOOQ has no external dependencies. Nevertheless, some libraries that are

\* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the

\* JSON Simple website for more details about JSON Simple:

\* <p>

\* <a href="http://code.google.com/p/json-simple/">http://code.google.com/p/json-simple/</a>

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/json/package-info.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/ULong.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/reflect/ReflectException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/Unsigned.java  
\*  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/UNumber.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/UShort.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/UInteger.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/UByte.java

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jar/org/jooq/tools/json/JSONValue.java

\*

/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/tools/json/JSONObject.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/tools/json/JSONArray.java

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*/
/**
 * Clean up blobs, clobs and the local configuration.
 * <p>
 * <h5>BLOBS and CLOBS</h5>
 * <p>
 * [#1326] This is necessary in those dialects that have long-lived
 * temporary lob objects, which can cause memory leaks in certain contexts,
 * where the lob's underlying session / connection is long-lived as well.
 * Specifically, Oracle and ojdbc have some trouble when streaming temporary
 * lob to UDTs:
 * <ol>
 * <li>The lob cannot have a call-scoped life time with UDTs</li>
 * <li>Freeing the lob after binding will cause an ORA-22275</li>
 * <li>Not freeing the lob after execution will cause an
 * { @link OutOfMemoryError}</li>
 * </ol>
 * <p>
 * <h5>Local configuration</h5>
 * <p>
 * [#1544] There exist some corner-cases regarding the { @link SQLOutput}
 * API, used for UDT serialisation / deserialisation, which have no elegant
 * solutions of obtaining a { @link Configuration}
and thus a JDBC
 * { @link Connection} object short of:
 * <ul>
 * <li>Making assumptions about the JDBC driver and using proprietary API,
 * e.g. that of ojdbc</li>
 * <li>Dealing with this problem globally by using such a local
 * configuration</li>
 * </ul>
 *
 * @see <a
 * href="http://stackoverflow.com/q/11439543/521799">http://stackoverflow.com/q/11439543/521799</a>
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultExecuteContext.java

```



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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/StringUtils.java
```

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/CreateIndexImpl.java

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\*/

/\*\*

\* A very simple CSV parser released under a commercial-friendly license. This

\* just implements splitting a single line into fields.

\*

\* @author Glen Smith

\* @author Rainer Pruy

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/tools/csv/CSVParser.java

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\* Create a "plain SQL" field.  
\* <p>  
\* A PlainSQLField is a field that can contain user-defined plain SQL,  
\* because sometimes it is easier to express things directly in SQL, for  
\* instance complex proprietary functions. There must not be any binding  
\* variables contained in the SQL.

\* <p>

\* Example:

```

* <p>
* <code><pre>
* String sql = "DECODE(MY_FIELD, 1, 100, 200)";
* </pre></code>
* <p>
* <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
* guarantee syntax integrity. You may also create the possibility of
* malicious SQL injection. Be sure to properly use bind variables and/or
* escape literals when concatenated into SQL clauses!
*
* @param sql The SQL
* @return A field wrapping the plain SQL
* @see SQL
*/
/**
* Create a "plain SQL" field.
* <p>
* A PlainSQLField is a field that can contain user-defined plain SQL,
* because sometimes it is easier to express things directly in SQL, for
* instance complex proprietary functions. There must be as many binding
* variables contained in the SQL, as passed in the bindings parameter
* <p>
* Example:
* <p>
* <code><pre>
* String sql = "DECODE(MY_FIELD, ?, ?, ?)";
* Object[] bindings = new Object[] { 1, 100, 200 };</pre></code>
* <p>
* <b>NOTE</b>: When inserting plain SQL into jOOQ objects, you must
* guarantee syntax integrity. You may also create the possibility of
* malicious SQL injection. Be sure to properly use bind variables and/or
* escape literals when concatenated into SQL clauses!
*
* @param sql The SQL
* @param bindings The bindings for the field
* @return A field wrapping the plain SQL
* @see SQL
* @see DSL#sql(String, Object...)
*/

```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DSL.java

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*/
/**
* A very simple CSV reader released under a commercial-friendly license.
*
* @author Glen Smith
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/csv/CSVReader.java
```

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```
/**
* The org.jooq.tools.csv package contains parts of OpenCSV.
* <p>
* jOOQ has no external dependencies. Nevertheless, some libraries that are
* compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
* OpenCSV website for more details about OpenCSV:
* <p>
* <a href="http://opencsv.sourceforge.net">http://opencsv.sourceforge.net/</a>
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/csv/package-info.java
```

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep18.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep6.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep19.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/JPAConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/FieldOrRow.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DeleteConditionStep.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WindowSpecificationOrderByStep.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertResultStep.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/UpdateFinalStep.java

\*

/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TableOuterJoinStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/LoaderRowListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep16.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SchemaMetaImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Trunc.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/LoaderConfigurationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/QualifiedField.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SQLImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectWhereStep.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep22.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterViewFinalStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectOnConditionStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/FinalTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/SQLStateClass.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep21.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BindingRegisterContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Translate.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record17.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/LoaderErrorImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Asin.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RevokeFinalStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultDiagnosticsListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Role.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep10.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep18.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row4.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/BatchMultiple.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RTrim.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectConnectByAfterStartWithStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStepN.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeMatchedSetStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList8.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateIndexWhereStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/LoaderListenerStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep10.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RowBetweenCondition.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Parser.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultVisitListenerProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractNamed.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DiagnosticsListenerProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Left.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectLimitPercentStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropSchemaFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep15.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WindowFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/cubrid/CUBRIDDataType.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/UDTRecordImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/MockCallable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ForeignKey.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/derby/DerbyDataType.java



```

* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DeleteQueryImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Alias.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockFileDatabase.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/GrantToStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SortFieldList.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowSpecificationFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SQLInline.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintTypeStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultBindingSQLContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterTableStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateIndexIncludeStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectForUpdateStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/LoaderLoadStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/sqlite/SQLiteDataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row19.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/FieldOrConstraint.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DataMap.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep4.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep9.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ContainsIgnoreCase.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectLimitPercentAfterOffsetStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record8.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList19.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ParsingConnection.java

```

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Binding.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/JoinTable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Floor.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CompareCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CreateTableImpl.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStepN.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CatalogImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CallbackExecuteListener.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Sqrt.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Function.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractXMLasObjectBinding.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RecordListenerProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Loader.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep14.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ExecutorProviderCompletionStage.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectQuery.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/BitCount.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record15.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/VersionsBetweenAndStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/jaxb/tools/StringAdapter.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/TableComparison.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ConditionAsField.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/GrantOnStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WindowRowsStep.java

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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList15.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/LTrim.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeMatchedWhereStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/h2/H2DataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep14.java
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/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DDL.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Named.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectConnectByStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Link.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/BlobBinding.java
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/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SetSchema.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RecordImpl.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Condition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultTransactionProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep4.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/InvalidResultException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ExecuteType.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList5.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ExecuteEventHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/UpdateImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TransactionListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SelectQueryImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Lower.java  
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/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateSchemaFinalStep.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/JDBC41Connection.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ArrayDataType.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SchemaImpl.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row12.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropIndexOnStep.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep13.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep14.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep5.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultDiagnosticsListenerProvider.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ParamMode.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/sqlite/SQLiteDSL.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropTableFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/util/firebird/FirebirdDataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record5.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Reverse.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CaseConditionStepImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row10.java
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/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row20.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DateAdd.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DAO.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Scope.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record.java
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Keyword.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/tools/jdbc/MockExecuteContext.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/exception/DataTypeException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/UDTRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row14.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/BindingGetSQLInputContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/VisitListenerProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/ConstraintForeignKeyReferencesStep22.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/api/annotation/Transition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/tools/jdbc/JDBC41Statement.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/ConstraintForeignKeyReferencesStep13.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep15.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdateSetFirstStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockDataProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CurrentTimestamp.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractStore.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep18.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdatableRecord.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep15.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Expression.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowRowsAndStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateTableFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ResultOrRows.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/postgres/PostgresDSL.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/KeywordImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Identity.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row3.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/TransactionContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CSVFormat.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractField.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row17.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Values.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CollatedField.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Greatest.java

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*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateTableIndexStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BindingSQLContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertOnConflictWhereStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/TruncateCascadeStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/conf/RegexAdapter.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractBindContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/TimestampDiff.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractQueryPartMap.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep20.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ArrayConstant.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/RecordHandler.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterSequenceStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row22.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/InformationSchemaMetaImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep4.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConditionProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep13.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep7.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ParserException.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep5.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/WidthBucket.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/GrantFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/YearToMonth.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Privilege.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateTableWithDataStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SQL.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep1.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Rand.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/BatchSingle.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/DefaultConnection.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/FlashbackTable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Nullability.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DSLContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/InternalVisitListener.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Explain.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/MockRunnable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row8.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ParsingStatement.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AlterTableImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/LoaderError.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep17.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ContextTransactionalCallable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/mysql/MySQLDSL.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Collation.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

jar/org/jooq/impl/LinkImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/MergeNotMatchedValuesStep10.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/ConnectionCallable.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/AbstractDelegatingQuery.java  
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/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record9.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/HintedTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/LazyVal.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/BetweenAndStep5.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/MergeKeyStep10.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/BetweenAndStep19.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/WithAsStep11.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/BindContext.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/DivideByOnConditionStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/tools/jdbc/MockStatement.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/ArrayRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/JSONFormat.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record14.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/LoaderCSVOptionsStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/DeleteResultStep.java  
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/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/TimeToLocalTimeConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Require.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultBindingRegisterContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectConditionStep.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/MetaDataFieldProvider.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Coerce.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep7.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep22.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Fields.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ArrayAggOrderByStep.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/SQLStateSubclass.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList3.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/mariadb/MariaDBDataType.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Position.java  
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/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/PivotForStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Acos.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/User.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/CaseValueStepImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/InsertFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Comment.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/DefaultExecuteListenerProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/MergeValuesStep6.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/InsertValuesStep19.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/ConstraintForeignKeyOnStep.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/BindingSetSQLOutputContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Iif.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/SelectDistinctOnStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/ParamCollector.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/SQLQuery.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/TruncateIdentityStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/CommonTableExpression.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/SortFieldImpl.java

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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep15.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ResultQuery.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep15.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep3.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockSavepoint.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/exception/DetachedException.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConnectionProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdateQuery.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep5.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateTableCommentStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractStoreQuery.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DiagnosticsListener.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ConstraintImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Nvl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertValuesStep1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DeleteReturningStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep21.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CustomRecord.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/FetchCount.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekLimitStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultBindContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultRecordUnmapper.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/impl/GrantImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep14.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Transaction.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Mod.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TableLike.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Round.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ConvertedDataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Converter.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractVarcharBinding.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedSetStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record2.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row11.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CaseWhenStepImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/DefaultResultSet.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Internal.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record10.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/TXTFormat.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CollationImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep13.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DeleteWhereStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep17.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep5.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultRecordMapperProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/EnumType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep18.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record18.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractQueryPart.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/util/derby/DerbyDSL.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/LoaderContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/WindowSpecificationImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/TableMetaProvider.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/MD5.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/ExecutorProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/AlterSequenceFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/RevokeFromStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Cursor.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/BindingGetResultSetContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/util/h2/H2DSL.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Rpad.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/MergeValuesStep12.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/DefaultConnectionProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/InsertOnDuplicateStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/DeleteFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/DataSourceConnectionProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/tools/jdbc/MockResultSet.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/exception/DataChangedException.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/CreateViewFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/CommonTableExpressionList.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/Contains.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
 jar/org/jooq/impl/BoolAnd.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-



jar/org/jooq/impl/FieldMapsForInsert.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/OrderedAggregateFunctionOfDeferredType.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/DeleteQuery.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/BetweenAndStep12.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/DefaultRecordMapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/TableList.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/TablePartitionByStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/RenderContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/SelectSeekStep8.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/UniqueKeyImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/SelectGroupByStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/DerivedColumnList10.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/SelectIntoStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/CustomField.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/RowImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/CursorImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/exception/MockFileDatabaseException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/RecordUnmapperProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/AsteriskImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/VisitListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/impl/Replace.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-  
jar/org/jooq/SelectOptionalOnStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/BetweenAndStep10.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/InsertQueryImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row18.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ReferenceImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/QueryPartList.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/hsqldb/HSQldbDataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertReturningStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CommonTableExpressionImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateIndexStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/TableRecordImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep8.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Cosh.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/TableAlias.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowSpecificationRowsAndStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ProviderEnabledCallableStatement.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/IndexImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Block.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ResultsImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStepN.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList16.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Quantifier.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep4.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Constraint.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowSpecificationRowsStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep1.java

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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep20.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep8.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/conf/SettingsTools.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CaseImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DiagnosticsContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/LoaderCSVStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterTableAlterStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultExecutor.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Pi.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/UDTImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectFinalStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/RecordUnmapper.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DateOrTime.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/LoggerListener.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowOverStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractRecord.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterSchemaStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ExecuteContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep20.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowSpecification.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/mariadb/MariaDBDSL.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep2.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep9.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DatePart.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record20.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeMatchedDeleteStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RecordCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep11.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ClobBinding.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/GroupConcat.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultRecordUnmapperProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Batch.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList20.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ProviderEnabledStatement.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DiagnosticsStatement.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Decode.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectField.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep16.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CurrentUser.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep17.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/DefaultStatement.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CaseConditionStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/FutureResult.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/GroupConcatSeparatorStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStepN.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList4.java  
 \*

/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList14.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record4.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SettingsEnabledPreparedStatement.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record16.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CommentOnIsStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Dual.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Results.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/UDTConstant.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep20.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/JDBCUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep16.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SQLField.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DDLStatementType.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SQLConcatenationImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/IOException.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ArrayRecordImpl.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep10.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep2.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CaseValueStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep17.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep2.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep16.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/InsertImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep12.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Degrees.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep5.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep19.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Val.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep20.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep1.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DropTableImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractQuery.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AlterIndexImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/BatchCRUD.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/UpdateWhereStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractStatement.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep13.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/QuantifiedSelect.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Formattable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Parameter.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/postgres/PostgresDataType.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConverterProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/TableFieldImpl.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/TruncDate.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TableField.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BindingSetStatementContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Ln.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/QueriesImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/impl/NullStatement.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectJoinStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ThreadLocalTransactionProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/WrappedList.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/RevokeImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList18.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CreateSequenceImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractResultQuery.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SortField.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/TransactionListeners.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row16.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockConnectionProvider.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SchemaMetaProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowOrderByStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ExecuteListener.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/TimestampToLocalDateTimeConverter.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CaseWhenStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep3.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectOnStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/PivotInStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/IsDistinctFrom.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep21.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/impl/Identifiers.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/RowOverlapsCondition.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList11.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/WindowDefinitionImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateIndexFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/RecordContext.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Term.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Least.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record21.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertValuesStep8.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList22.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultConverterProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
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*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep14.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/UDT.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep3.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/XMLasDOMBinding.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SettingsEnabledConnection.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep11.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep4.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultRecordContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Extract.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/exception/SQLDialectNotSupportedException.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep6.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TransactionalRunnable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DivideByOnStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DateToLocalDateConverter.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterTableRenameConstraintToStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SetCatalog.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep3.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RowCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RecordDelegate.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Query.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/UniqueKey.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep4.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ExecuteListeners.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep6.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Name.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SQLResultQuery.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TransactionalCallable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DivideByReturningStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Key.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/GenerateSeries.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectUnionStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterSchemaFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ContextTransactionalRunnable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList21.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/StopWatchListener.java

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/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeMatchedSetMoreStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/RecordMapperProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/RecordListener.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockResult.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowIgnoreNullsStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/TruncateImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CountTable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DAOImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CatalogMetaImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep8.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConnectionRunnable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/TableOnStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AlterSchemaImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/RowInCondition.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultTransactionListenerProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AlterSequenceImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/FunctionTable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectLimitAfterOffsetStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultRecordListenerProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ArrayTable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/SelectConnectByConditionStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/LoaderFieldMapper.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultTransactionContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowSpecificationPartitionByStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Update.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DDLQuery.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultDataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultRenderContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DiagnosticsResultSet.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep11.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/DefaultPreparedStatement.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/JSONReader.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/StoreQuery.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectWithTiesAfterOffsetStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Rollup.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertValuesStep22.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/LinkedTable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeOnStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/QueryPart.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/FalseCondition.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/MappingIterator.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdateResultStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterIndexOnStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterIndexFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdateSetStep.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep9.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep2.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RecordMapper.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/NotCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateTableAsStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/DefaultCallableStatement.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Log.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Euler.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep10.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Meta.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep15.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SortOrder.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep6.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TransactionProvider.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/QuantifiedComparisonCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Sinh.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractKey.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/types/DayToSecond.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/Convert.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/conf/SettingsBase.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateTableConstraintStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractContext.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList2.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RevokeOnStep.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AggregateFunction.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/LikeEscapeStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record19.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultTransactionListener.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ParsingDataSource.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DiagnosticsConnection.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Atan.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row15.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/LeadLag.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep21.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Support.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterTableRenameIndexToStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/MetaImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Limit.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CatalogMetaProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ParserCLI.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Substring.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/postgres/PostgresUtils.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep14.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row9.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Schema.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Keywords.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SchemaMapping.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/MapCondition.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropIndexFinalStep.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AlterViewImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RecordType.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/TableImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/LoaderJSONOptionsStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Table.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep22.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/GroupConcatOrderByStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record11.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RenamedTable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/QuantifiedSelectImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Merge.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep6.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/EnumConverter.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateTableColumnStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ParameterImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/NoTransactionProvider.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectOffsetStep.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/UDTField.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ResultImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CustomTable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Prior.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CurrentDate.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList13.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/TableRecord.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Sequence.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RowIsNull.java

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/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertSetStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/QualifiedAsterisk.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep20.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectConnectByAfterStartWithConditionStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/LoaderXMLStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractCondition.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultBinding.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/TableOptionalOnStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep11.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Upper.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Select.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterTableFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSelectStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Delete.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/mysql/MySQLDataType.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeMatchedStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Index.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/GroupField.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep11.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep4.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/WithImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/exception/ControlFlowSignal.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/BoolOr.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ExpressionOperator.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ParserImpl.java

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\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DropSequenceImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep8.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Truncate.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DivideBy.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/TableMetaImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep13.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Routine.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Tanh.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep8.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectHavingStep.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/XMLFormat.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/InCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CurrentTime.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CustomCondition.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/NotField.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep7.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectWithTiesStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/util/cubrid/CUBRIDDSL.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep19.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/FutureResultImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractFunction.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CreateViewImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep20.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep2.java



\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Mode.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep17.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropTableStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CurrentSchema.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeKeyStep15.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractTable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep5.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Comparator.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/QualifiedAsteriskImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Context.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DateAsTimestampBinding.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/QualifiedName.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/TrueCondition.java  
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 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/FieldMapForUpdate.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep9.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/False.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/Mock.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/tools/jdbc/MockConnection.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/QueryPartInternal.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep19.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Collect.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterTableUsingIndexStep.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/TooManyRowsException.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/FetchServerOutputListener.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/types/Interval.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AlterViewStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep13.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Queries.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CombineOperator.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList17.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/JDBC41ResultSet.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep9.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DropSchemaImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/PartitionJoinTable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep18.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Right.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep19.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectFieldOrAsterisk.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultExecutorProvider.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SequenceImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeOnConditionStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectSeekStep14.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep8.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/InsertOnDuplicateSetMoreStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep13.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStep6.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/True.java
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/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep2.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CreateSchemaImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/BetweenAndStepN.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultDiagnosticsContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/NoConnectionProvider.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Cast.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Lateral.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/Choose.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DiagnosticsListeners.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Space.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DropIndexImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Power.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/firebird/FirebirdDSL.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/IsNull.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/UDTFieldImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/RowField.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectLimitStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Converters.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/PrivilegeImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep9.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/CreateTableOnCommitStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/tools/jdbc/MockResultSetMetaData.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record1.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/exception/ExceptionTools.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Array.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/FieldLike.java
*

```

/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/BetweenCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/IdentityImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultRecordListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateSequenceFinalStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/NoCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultDSLContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Neg.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ArrayTableEmulation.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/MappingException.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DiagnosticsDataSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/LoaderJSONStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Statement.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/RenamedSchema.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectJoinPartitionByStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropSchemaStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep22.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractParam.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/LoaderImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractDataSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/ExistsCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/VisitContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/FieldAlias.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterTableDropStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/InformationSchemaExport.java

\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DropViewFinalStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectWindowStep.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/MergeImpl.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DataType.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep22.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep17.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/AbstractScope.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectOrderByStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep15.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Configuration.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/UpdateQueryImpl.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record3.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Trim.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep16.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedWhereStep.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Package.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep18.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/exception/DataAccessException.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DerivedColumnList1.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectSeekStep7.java  
 \*  
 /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Param.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeValuesStep9.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/DDLFlag.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DerivedTable.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertValuesStep16.java  
 \* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

jar/org/jooq/impl/PackageImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/SQLTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BatchBindStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/OrderField.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record22.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/AlterSequenceRestartStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/MergeNotMatchedValuesStep3.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/CommentOnImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/WithAsStep21.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep6.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/UpdateConditionStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/OrderedAggregateFunction.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/ChartFormat.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record13.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CommentOnFinalStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertSetMoreStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep21.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/UnqualifiedName.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/DefaultBindingGetResultSetContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SelectFromStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/CreateViewAsStep.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/InsertOnConflictConditionStep.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/BetweenAndStep11.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/RegexpLike.java  
\* /opt/ws\_local/PERMITS\_SQL/1031769193\_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/TableOnConditionStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ConstantSortField.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DropSequenceFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/SQLDialect.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Field.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Ascii.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DerivedColumnListImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/GrantWithGrantOptionStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WithAsStep14.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DropViewImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Cot.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/TruncateFinalStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SelectFieldList.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/CommentImpl.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/exception/ConfigurationException.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/ProviderEnabledPreparedStatement.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/WithTable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Constants.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Tools.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdateSetMoreStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/SelectOptionStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DefaultBindingSetSQLOutputContext.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowDefinition.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row2.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList9.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/MergeValuesStepN.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/WindowList.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/DerivedColumnList12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep16.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Result.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/UpdateFromStep.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Attachable.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SelectImpl.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractRoutine.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/AggregateFilterStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/ConstraintForeignKeyReferencesStep10.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/exception/NoDataFoundException.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Insert.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Catalog.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/DelegatingConverter.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/LoaderSourceStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/SQLCondition.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/api/annotation/State.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Asterisk.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeValuesStep5.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeKeyStep2.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/impl/AbstractName.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/MergeNotMatchedValuesStep9.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row13.java
*
/opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/util/hsqldb/HSQLDBDSL.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-

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jar/org/jooq/tools/JooqLogger.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Sign.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/impl/Nv12.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/PlainSQL.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row21.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-
jar/org/jooq/WindowBeforeOverStep.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Case.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Row6.java
* /opt/ws_local/PERMITS_SQL/1031769193_1589524173.89/0/jooq-3-11-11-sources-jar/org/jooq/Record6.java
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# 1.486 erlang-otp 9.1.15

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[PCRE]

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and semantics are  
as close as possible to those of the Perl 5 language.

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directory, is distributed under the same terms as the software itself.

The basic library functions are written in C and are freestanding. Also  
included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS  
-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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Cambridge, England.

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#### THE C++ WRAPPER FUNCTIONS

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-----

[Misc C library code]

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 */
```

-----  
[zlib]

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005
```

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

\*/

-----  
[edoc, syntax\_tools]

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%%  
%% @copyright 2001-2003 Richard Carlsson  
%%  
%% @author Richard Carlsson <richardc@csd.uu.se>  
%% [http://www.csd.uu.se/~richardc/]  
%% @version { @vsn }  
%% @end  
%% =====
```

-----  
[leex]

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[eldap]

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

## THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

University of Cambridge Computing Service,  
Cambridge, England.

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Written  
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Email local part: hzmester  
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## 1.487 openorb 3.9

## 1.488 servlet-api 9.0.22

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- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd

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<http://hg.openjdk.java.net/jdk9/jdk9/jdk/file/tip/src/jdk.crypto.ec/share/native/libsunec/impl>

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binary, you can also receive a copy of the source code on physical  
media by submitting a written request to:

Oracle America, Inc.  
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Development and Engineering Legal  
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```
</pre>  
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### xwd utility  
<pre>
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## Apache Xalan v2.7.2

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## jopt-simple v5.0.4

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to

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#
# All lines in this file are patterns, including the comment lines; this
# means that e.g. `FTL.TXT' matches all files that have this string in
# the file name (including the path relative to the current directory,
# always starting with `./').
#
# Don't put empty lines into this file!
#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
```

src/pcf/pcfread.h  
src/pcf/pcfutil.c  
src/pcf/pcfutil.h  
src/pcf/README  
src/pcf/rules.mk  
#  
src/gzip/adler32.c  
src/gzip/infblock.c  
src/gzip/infblock.h  
src/gzip/infcodes.c  
src/gzip/infcodes.h  
src/gzip/inffixed.h  
src/gzip/inflate.c  
src/gzip/inftrees.c  
src/gzip/inftrees.h  
src/gzip/infutil.c  
src/gzip/infutil.h  
src/gzip/zconf.h  
src/gzip/zlib.h  
src/gzip/zutil.c  
src/gzip/zutil.h  
#  
src/tools/apinames.c  
src/tools/ftrandom/ftrandom.c  
#  
#  
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PRIMES

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```

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<signature of Ty Coon>, 1 April 1989
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=====

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(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## ## libssh2

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# 1.493 cryptsetup 2.0.3-6.el7

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute  
it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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# 1.494 avahi 0.6.31-20.el7

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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```
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```
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# 1.496 commons-runtime 3.0.7

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Version 1.0

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\* Source: [http://sourceforge.net/project/showfiles.php?group\\_id=29449](http://sourceforge.net/project/showfiles.php?group_id=29449)

testng (6.14.2)

\* License: Apache-2.0 AND (MIT OR GPL-1.0+)

\* Project: <https://testng.org/doc/index.html>

\* Source: <https://github.com/cbeust/testng>

wagon-http-lightweight (3.0.0)

\* License: Pending

\*

Project: <https://maven.apache.org/wagon/>

\* Source:

<https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>

xz for java (1.8)

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## 1.500 spring-framework 5.2.5

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jar/org/springframework/asm/ConstantDynamic.java

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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/type/filter/TypeFilter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/cglib/proxy/Enhancer.java

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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/type/classreading/AnnotationMetadataReadingVisitor.java

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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/support/GenericConversionService.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/env/SimpleCommandLineArgsParser.java

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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-

jar/org/springframework/util/ClassUtils.java

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org.springframework.core.ReactiveAdapterRegistry\$SpringCoreBlockHoundIntegration

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INF/services/reactor.blockhound.integration.BlockHoundIntegration
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jar/org/springframework/cglib/core/AsmApi.java
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* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
```

```
jar/org/springframework/cglib/core/KeyFactory.java
```

```
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
```

```
jar/org/springframework/cglib/core/ReflectUtils.java
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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/cglib/proxy/MethodProxy.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/cglib/core/AbstractClassGenerator.java  
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\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/env/AbstractPropertyResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/NamedThreadLocal.java  
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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/NestedCheckedException.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/task/support/ExecutorServiceAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/concurrent/SuccessCallback.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/io/buffer/DataBufferFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/comparator/ComparableComparator.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/backoff/FixedBackOff.java  
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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/xml/ListBasedXMLEventReader.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/io/ByteArrayResource.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-

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 \* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
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 \* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
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 \* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
 jar/org/springframework/util/concurrent/SettableListenableFuture.java  
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 jar/org/springframework/core/io/support/PropertiesLoaderSupport.java

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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/serializer/Deserializer.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/SystemPropertyUtils.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/io/buffer/DefaultDataBufferFactory.java  
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jar/org/springframework/core/GraalDetector.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-

jar/org/springframework/core/AttributeAccessor.java  
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 jar/org/springframework/util/comparator/BooleanComparator.java  
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 jar/org/springframework/core/OverridingClassLoader.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
 jar/org/springframework/util/concurrent/DelegatingCompletableFuture.java  
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 jar/org/springframework/core/NamedInheritableThreadLocal.java  
 \* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
 jar/org/springframework/util/ResourceUtils.java

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Found in path(s):

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* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/convert/ConversionException.java
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* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/RouteMatcher.java  
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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/task/support/ConcurrentExecutorAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/task/TaskRejectedException.java

\*

/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/task/TaskTimeoutException.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/style/StylerUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/io/ClassRelativeResourceLoader.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/xml/SimpleTransformErrorListener.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/serializer/support/SerializationFailedException.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/support/NumberToCharacterConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/SmartClassLoader.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/xml/SimpleSaxErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/type/classreading/MetadataReaderFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/InfrastructureProxy.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/task/SyncTaskExecutor.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/NumberUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/ConverterNotFoundException.java  
\*  
/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/type/ClassMetadata.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/serializer/DefaultDeserializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/NestedIOException.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/support/AbstractConditionalEnumConverter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/support/MapToMapConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-

jar/org/springframework/core/DecoratingClassLoader.java  
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jar/org/springframework/core/convert/converter/GenericConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/CollectionToArrayConverter.java  
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jar/org/springframework/core/io/support/VfsPatternUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/ConvertingPropertyEditorAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/style/DefaultToStringStyler.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/util/CustomizableThreadCreator.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/ObjectToObjectConverter.java  
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jar/org/springframework/core/convert/support/DefaultConversionService.java  
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jar/org/springframework/core/env/EnvironmentCapable.java  
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jar/org/springframework/util/xml/AbstractStaxHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/io/support/DefaultPropertySourceFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/io/ResourceEditor.java  
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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/converter/ConvertingComparator.java  
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jar/org/springframework/core/convert/support/ObjectToArrayConverter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/ResolvableTypeProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/type/filter/AspectJTypeFilter.java  
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jar/org/springframework/core/io/support/EncodedResource.java  
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jar/org/springframework/core/MethodClassKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/StandardReflectionParameterNameDiscoverer.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/util/xml/StaxStreamXMLReader.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/ObjectToOptionalConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/env/MissingRequiredPropertiesException.java  
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jar/org/springframework/lang/NonNullApi.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/StringToArrayConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
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jar/org/springframework/core/convert/support/ArrayToArrayConverter.java  
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jar/org/springframework/util/FileSystemUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/IdToEntityConverter.java  
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jar/org/springframework/util/concurrent/ListenableFutureAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/codec/EncodingException.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/NestedExceptionUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/ConversionService.java  
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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/StringToNumberConverterFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/util/xml/StaxResult.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/io/WritableResource.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/StringToCharacterConverter.java



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* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/codec/CodecException.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/util/concurrent/FutureAdapter.java
*
/opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/convert/support/StreamConverter.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/convert/ConversionFailedException.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/KotlinReflectionParameterNameDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/util/InvalidMimeTypeException.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
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Found in path(s):

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* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
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/opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/util/xml/StaxStreamHandler.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/env/MapPropertySource.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
* /opt/ws_local/PERMITS_SQL/1033253092_1589862465.6/0/spring-core-5-2-5-release-sources-
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jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/util/ExceptionTypeFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/PropertiesToStringConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/ObjectToStringConverter.java  
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jar/org/springframework/cglib/SpringCglibInfo.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/converter/ConditionalConverter.java  
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jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/cglib/core/SpringNamingPolicy.java  
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jar/org/springframework/util/IdGenerator.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/support/StringToCharsetConverter.java  
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/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-  
jar/org/springframework/util/ResizableByteArrayOutputStream.java

\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/annotation/SynthesizedAnnotation.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/serializer/support/DeserializingConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/env/SystemEnvironmentPropertySource.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/AlternativeJdkIdGenerator.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/serializer/support/SerializingConverter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/type/MethodMetadata.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/annotation/AliasFor.java  
\*

/opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/annotation/AnnotationConfigurationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/util/JdkIdGenerator.java

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\* /opt/ws\_local/PERMITS\_SQL/1033253092\_1589862465.6/0/spring-core-5-2-5-release-sources-jar/org/springframework/core/convert/support/ConfigurableConversionService.java

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abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build\_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated\_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

license: <http://dev.perl.org/licenses/>

repository: <http://github.com/dagolden/module-build/>

version: 3

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```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License.

Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

```
#!/perl
```

```
=head1 NAME
```

```
copyright.t
```

```
=head1 DESCRIPTION
```

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

```
=cut
```

```
use strict;
```

```
use Config;
```

```
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
```

```
    skip_all( "Not all files are available during cross-compilation" );
```

```
}
```

```
my ($opt) = @ARGV;
```

```
my $readme_year = readme_year();
```

```
my $v_year = v_year();
```

```
# Check that both copyright dates are up-to-date, but only if requested, so
```

```
# that tests still pass for people intentionally working on older versions:
```

```
if ($opt eq '--now')
```

```
{
```

```
    my $current_year = (gmtime)[5] + 1900;
```

```
    is $v_year, $current_year, 'perl -v copyright includes current  
year';
```

```
    is $readme_year, $current_year, 'README copyright includes current year';
```

```
}
```

```
# Otherwise simply check that the two copyright dates match each other:
```

```
else
```

```
{
```

```
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
```

```
}
```

```
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', './README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /\b(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}
```

```
sub v_year
# returns the latest copyright year shown in perl -v
{

    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}
```

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```
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## The Unicode Standard, Unicode Character Database, Version 10.0.0

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Ext headers GL/glexth Khronos  
GL/glxext.h Khronos  
GL/wglxext.h Khronos  
KHR/khrplatform.h Khronos

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include/GL/gl.h :

Mesa 3-D  
graphics library

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include/GL/glxext.h  
include/GL/wglxext.h :

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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# Files that don't get a copyright, or which are taken from elsewhere.
#
# All lines in this file are patterns, including the comment lines; this
# means that e.g. `FTL.TXT' matches all files that have this string in
# the file name (including the path relative to the current directory,
# always starting with `./').
#
# Don't put empty lines into this file!
#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdriivr.c
src/bdf/bdfdriivr.h
```

```
src/bdf/bdferror.h
src/bdf/bdfplib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftandom/ftandom.c
#
#
EOF
```

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PRIMES

## DOM Level 3 Core Specification v1.0

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## 1.506 lvm2 2.02.186-7.el7\_8.1

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## 1.529 slf4j 1.8.0-alpha2

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Found in path(s):

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 \* /opt/cola/permits/1112015864\_1607033515.29/0/slf4j-api-1-8-0-alpha2-sources-1-  
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 jar/org/slf4j/helpers/SubstituteLogger.java  
 \* /opt/cola/permits/1112015864\_1607033515.29/0/slf4j-api-1-8-0-alpha2-sources-1-  
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 jar/org/slf4j/spi/LoggerFactoryBinder.java  
 \* /opt/cola/permits/1112015864\_1607033515.29/0/slf4j-api-1-8-0-alpha2-sources-1-jar/org/slf4j/Marker.java

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jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1112015864_1607033515.29/0/slf4j-api-1-8-0-alpha2-sources-1-
jar/org/slf4j/helpers/FormattingTuple.java
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jar/org/slf4j/helpers/BasicMDCAdapter.java
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jar/org/slf4j/spi/LocationAwareLogger.java
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* /opt/cola/permits/1112015864_1607033515.29/0/slf4j-api-1-8-0-alpha2-sources-1-
jar/org/slf4j/helpers/SubstituteLoggerFactory.java
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jar/org/slf4j/spi/MDCAdapter.java
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*
/opt/cola/permits/1112015864_1607033515.29/0/slf4j-api-1-8-0-alpha2-sources-1-
jar/org/slf4j/spi/MarkerFactoryBinder.java

```

# 1.530 mail 1.6.2

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The packages:

com.hazelcast.util.collection  
com.hazelcast.internal.util.concurrent

and the classes:

com.hazelcast.util.QuickMath  
com.hazelcast.client.impl.protocol.util.UnsafeBuffer  
com.hazelcast.client.impl.protocol.util.BufferBuilder

contain code originating from the Agrona project  
(<https://github.com/real-logic/Agrona>).

The class com.hazelcast.util.HashUtil contains code originating  
from the Kolobokey project (<https://github.com/OpenHFT/Kolobokey>).

The class classloading.ThreadLocalLeakTestUtils contains code originating  
from the Tomcat project (<https://github.com/apache/tomcat>).

com.hazelcast.internal.cluster.fd.PhiAccrualFailureDetector contains code originating  
from the Akka project (<https://github.com/akka/akka/>).

The package com.hazelcast.internal.json contains code originating  
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Found in path(s):

\* /opt/cola/permits/1120732944\_1628091949.15/0/liquibase-slf4j-2-0-0-sources-1-jar/liquibase/ext/logging/slf4j/Slf4jLogger.java

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\* /opt/cola/permits/1126073645\_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/include/sys/event.h

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\* /opt/cola/permits/1126073645\_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/linux/vnode.c

\* /opt/cola/permits/1126073645\_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/common.h

\*

```
/opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/solaris/socket.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/stress/main.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/common/kevent.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/libdispatch/main.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/common/filter.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/read.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/main.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/solaris/kevent.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/solaris/timer.c
*
/opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/linux/proc.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/linux/socket.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/solaris/user.c
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* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/timer.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/posix/signal.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/common/kqueue.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/posix/user.c
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*
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* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/posix/timer.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/vnode.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/linux/timer.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/test.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/common/knote.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/user.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/kevent.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/src/posix/kevent.c
* /opt/cola/permits/1126073645_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/test/proc.c
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```

```

Name:    @@PROGRAM@@
Summary: @@PKG_SUMMARY@@
Version: @@VERSION@@
Release: 1
License: @@LICENSE@@
Vendor:  @@AUTHOR@@
Group:   System Environment/Libraries
Source0:
    %{name}-%version.tar.gz
BuildRoot: %{_tmppath}/%{name}-%{version}-build

%description
@@PKG_DESCRIPTION@@

%prep
%setup -q -n @@PROGRAM@@-@@VERSION@@

%build
./configure --prefix=/usr
make

%install
make DESTDIR=$RPM_BUILD_ROOT install
gzip $RPM_BUILD_ROOT/usr/share/man/man2/kqueue.2
gzip $RPM_BUILD_ROOT/usr/share/man/man2/kevent.2

%clean
[ ${RPM_BUILD_ROOT} != "/" ] && rm -rf ${RPM_BUILD_ROOT}

%post
/sbin/ldconfig

%postun
/sbin/ldconfig

%files
%defattr(-,root,root)

/usr/include/kqueue/sys/event.h
/usr/lib/libkqueue.so
/usr/lib/libkqueue.so.0
/usr/lib/libkqueue.so.0.0
/usr/lib/libkqueue.la
/usr/lib/libkqueue.a
/usr/lib/pkgconfig/libkqueue.pc
/usr/share/man/man2/kqueue.2.gz
/usr/share/man/man2/kevent.2.gz

```

%changelog

Found in path(s):

\* /opt/cola/permits/1126073645\_1611561541.01/0/libkqueue-1-0-6-tar-gz/libkqueue-1.0.6/rpm.spec.in

# 1.542 elasticsearch-secure-sm 6.8.1

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```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
```

```
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
```

```
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
```

```
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
  <copyright>
    <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
  </copyright>
  <copyright>
    <year>2018</year> <holder>Joe Blow, John Coe</holder>
  </copyright>
  <copyright>
    <year>1977</year> <year>1985</year> <holder>Someone else</holder>
  </copyright>
</articleinfo>
</article>
```

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

#### HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

## 1.544 apache-log4j 2.11.1

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# 1.545 commons-digester 1.8.1

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# 1.547 commons-lang3 2.4

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\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/SendHandler.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/OnClose.java  
\*  
/opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/server/ServerApplicationConfig.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/package-info.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/server/PathParam.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/WebSocketContainer.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/DefaultClientEndpointConfig.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/Decoder.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/OnOpen.java  
\* /opt/cola/permits/1135975881\_1654022862.0537393/0/javax-websocket-api-1-1-sources-3-jar/javax/websocket/DeploymentException.java

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/**
 * A Base64 encoder/decoder.
 *
 * <p>
 * This class is used to encode and decode data in Base64 format as described in
 * RFC 1521.
 *
 * <p>
 * Project home page: <a
 * href="http://www.source-code.biz/base64coder/java/">www.
 * source-code.biz/base64coder/java</a><br>
 * Author: Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland<br>
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 */
```

Found in path(s):

```
* /opt/cola/permits/1136142378_1654022973.6672878/0/snakeyaml-1-25-sources-2-
jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
```

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```
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INF/maven/org.yaml/snakeyaml/pom.xml
```

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```

```
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```

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- \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/util/PlatformFeatureDetector.java
- \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/emitter/EmitterException.java
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- /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java
- \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/events/MappingEndEvent.java
- \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/extensions/compactnotation/PackageCompactConstructor.java
- \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/nodes/ScalarNode.java
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- \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/tokens/DocumentEndToken.java
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 \* /opt/cola/permits/1136142378\_1654022973.6672878/0/snakeyaml-1-25-sources-2-jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java

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# 1.555 junit 4.13

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# 1.557 icu4j 62.1

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jar/org/intellij/lang/annotations/Pattern.java
```

\* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/Language.java

\*

/opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/PrintFormat.java

\* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/RegExp.java

\* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/Identifier.java

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\* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/MagicConstant.java

\* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/JdkConstants.java

\*

/opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/jetbrains/annotations/NotNull.java

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- \* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/jetbrains/annotations/Nls.java
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- \* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/intellij/lang/annotations/Flow.java
- \* /opt/cola/permits/1138123144\_1614251056.08/0/annotations-13-0-sources-3-jar/org/jetbrains/annotations/Contract.java

# 1.560 camel-spring 2.19.5

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\* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/ReaderCharacterIterator.java  
\* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/CharArrayCharacterIterator.java  
\* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/RETest.java  
\* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/StringCharacterIterator.java

# 1.568 minlog 1.3.0

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## 1.569 slf4j 1.6.2

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```

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\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java

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\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/MDC.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/MarkerFactory.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-

jar/org/slf4j/spi/LocationAwareLogger.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-  
jar/org/slf4j/helpers/MarkerIgnoringBase.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-  
jar/org/slf4j/helpers/MessageFormatter.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-  
jar/org/slf4j/helpers/BasicMarkerFactory.java  
\*  
/opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/IMarkerFactory.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/Util.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/ILoggerFactory.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/impl/StaticMarkerBinder.java  
\* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/impl/StaticLoggerBinder.java  
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- \* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/BasicMarker.java

- \* /opt/cola/permits/1126029914\_1615483544.0/0/slf4j-api-1-6-2-sources-jar/org/slf4j/Logger.java

## 1.570 woodstox-core 5.1.0

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jar/com/google/common/collect/EmptyContiguousSet.java

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jar/com/google/common/util/concurrent/AtomicDoubleArray.java

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jar/com/google/common/cache/Striped64.java

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jar/com/google/common/cache/LongAdder.java

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/*
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jar/com/google/common/eventbus/SubscriberExceptionContext.java
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jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/ExecutionQueue.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ImmutableMapEntry.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingTable.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/xml/XmlEscapers.java

\*

\*/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableClassToInstanceMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ComparisonChain.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableEnumSet.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/Service.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ComputationException.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CacheBuilder.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ArrayTable.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/SettableFuture.java

\*  
/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/escape/Platform.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/escape/ArrayBasedEscaperMap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableTable.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/AbstractIdleService.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/TypeResolver.java  
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/HostSpecifier.java  
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\*  
/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Splitter.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/UrlEscapers.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/annotations/GwtCompatible.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularImmutableSortedSet.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/SignedBytes.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/ByteArrayDataOutput.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/ByteProcessor.java  
\*  
/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/EmptyImmutableSetMultimap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableSetMultimap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Platform.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/annotations/GwtIncompatible.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/SingletonImmutableList.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-

jar/com/google/common/net/InternetDomainName.java  
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jar/com/google/common/util/concurrent/JdkFutureAdapters.java  
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jar/com/google/common/collect/SingletonImmutableTable.java  
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jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java  
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jar/com/google/common/escape/Escapers.java  
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jar/com/google/common/collect/ImmutableSortedMap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/DiscreteDomain.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/util/concurrent/Callables.java  
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jar/com/google/common/cache/LocalCache.java  
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/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/io/ByteArrayDataInput.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/RegularImmutableList.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/AbstractIndexedListIterator.java  
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/package-info.java

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RangeMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/MutableTypeToInstanceMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/FilteredMultimap.java

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/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/LongAddables.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/DescendingMultiset.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingImmutableMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TransformedListIterator.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/EmptyImmutableSortedMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-



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jar/com/google/common/collect/FilteredEntryMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/html/package-
info.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/escape/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ForwardingNavigableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ImmutableEnumMap.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ForwardingDeque.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/RegularImmutableSortedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/Closer.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/FilteredSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/cache/LongAddable.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/AbstractNavigableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-

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jar/com/google/common/collect/FilteredKeyListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/AllEqualOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ForwardingImmutableList.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/DescendingImmutableSortedSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/EvictingQueue.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/SortedMultisetBridge.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/xml/package-
info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/base/StandardSystemProperty.java
*
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TransformedIterator.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractMultimap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/BinaryTreeTraverser.java  
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*
  /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractBiMap.java  
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/SortedSetMultimap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Multiset.java  
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/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/MapDifference.java  
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSortedSetMultimap.java

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jar/com/google/common/collect/UsingToStringOrdering.java  
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jar/com/google/common/collect/AbstractSetMultimap.java  
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jar/com/google/common/collect/Constraint.java  
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jar/com/google/common/collect/ForwardingSortedSet.java  
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jar/com/google/common/collect/ByFunctionOrdering.java  
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jar/com/google/common/collect/ForwardingCollection.java  
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jar/com/google/common/collect/ClassToInstanceMap.java  
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/cache/Cache.java
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jar/com/google/common/cache/Weigher.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/math/MathPreconditions.java  
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jar/com/google/common/collect/SortedIterable.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/RangeSet.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/Count.java

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/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/ImmutableSortedMultiset.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/primitives/UnsignedInteger.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/GeneralRange.java

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jar/com/google/common/primitives/UnsignedInts.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/primitives/ParseRequest.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/SortedIterables.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/AbstractRangeSet.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/ForwardingSortedMultiset.java

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/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/RegularImmutableSortedMultiset.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/primitives/UnsignedLong.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/primitives/UnsignedLongs.java

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jar/com/google/common/hash/HashingInputStream.java

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jar/com/google/common/collect/AbstractTable.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Utf8.java

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jar/com/google/common/collect/FilteredMultimapValues.java

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jar/com/google/common/collect/ImmutableSortedAsList.java

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jar/com/google/common/hash/MessageDigestHashFunction.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/Murmur3\_32HashFunction.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/Funnel.java  
\*  
/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/AbstractStreamingHashFunction.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/AbstractHasher.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/Hasher.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/Hashing.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/BoundType.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/HashCode.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/EmptyImmutableSortedMultiset.java  
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jar/com/google/common/collect/RegularContiguousSet.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/AbstractSortedMultiset.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/TreeRangeSet.java  
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jar/com/google/common/collect/Queues.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/Murmur3\_128HashFunction.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/hash/HashingOutputStream.java



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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/hash/Funnels.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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*
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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jar/com/google/common/collect/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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jar/com/google/common/collect/RowSortedTable.java  
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jar/com/google/common/collect/AbstractSequentialIterator.java  
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info.java  
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 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/Doubles.java  
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 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/SingletonImmutableBiMap.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Joiner.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableEntry.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableMultiset.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularImmutableBiMap.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/PercentEscaper.java  
 \*  
 /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/FluentIterable.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/Shorts.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/Longs.java  
 \* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-

jar/com/google/common/collect/Table.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/Collections2.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/net/InetAddresses.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/Platform.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/ImmutableMultimap.java  
\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/collect/Tables.java

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/base/FunctionalEquivalence.java

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/MapMakerInternalMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/DenseImmutableTable.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/MapMaker.java

\*

/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Cut.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/SparseImmutableTable.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularImmutableTable.java

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ComputingConcurrentHashMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ContiguousSet.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/SortedLists.java

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\* As of 2010/06/11, this method is identical to the (package private) hash

\* method in OpenJDK 7's java.util.HashMap

class.

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/Striped.java

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jar/com/google/common/collect/SortedMultisets.java

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jar/com/google/common/io/AppendableWriter.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/base/CaseFormat.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java

\*

/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/util/concurrent/FakeTimeLimiter.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/escape/CharEscaper.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/util/concurrent/Futures.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-  
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java



```
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/TimeLimiter.java
*
```

```
/opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/escape/CharEscaperBuilder.java
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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/BaseEncoding.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/CartesianList.java

\*

/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableRangeSet.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/FilteredKeyMultimap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/ChecksumHashFunction.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableRangeMap.java

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\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/HashBiMap.java

\* /opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Interners.java

\*

/opt/cola/permits/1150909106\_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/EnumMultiset.java

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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/SubscriberRegistry.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
- \*

/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListenerCallQueue.java

- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/MoreObjects.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/Subscriber.java

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jar/com/google/common/collect/SortedMultisets.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/SortedMultiset.java

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jar/com/google/common/collect/RegularContiguousSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/Crc32cHashFunction.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/BloomFilterStrategies.java

\*

/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/MessageDigestHashFunction.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/RegularImmutableMultiset.java

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```

jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/AbstractStreamingHashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/BoundType.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/Murmur3_128HashFunction.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/hash/HashFunction.java
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RegularImmutableSet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractBiMap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ReverseNaturalOrdering.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/package-info.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Constraints.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/package-info.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ClassToInstanceMap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/NullsLastOrdering.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Supplier.java



\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Constraint.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/EventBus.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ComparatorOrdering.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Files.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Closeables.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/LexicographicalOrdering.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Throwables.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingListIterator.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/InputSupplier.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/HashMultiset.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractSortedSetMultimap.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedSetMultimap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Resources.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingConcurrentMap.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListenableFuture.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Multiset.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSortedMap.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/Primitives.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Multisets.java  
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jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/MapConstraints.java
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jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/package-
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/TreeMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ForwardingObject.java
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\*  
\* As of 2010/06/11, this method is identical to the (package private) hash  
\* method in OpenJDK 7's java.util.HashMap  
class.

\*/

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/util/concurrent/Striped.java

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jar/com/google/common/collect/RegularImmutableAsList.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Closer.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/io/ByteSource.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/AbstractMultimap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/AllEqualOrdering.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/collect/ForwardingDeque.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/cache/LongAddables.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/base/StandardSystemProperty.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/collect/ForwardingBlockingDeque.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/reflect/ClassPath.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java  
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 jar/com/google/common/util/concurrent/RateLimiter.java  
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 jar/com/google/common/collect/ForwardingNavigableMap.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/collect/RangeMap.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/collect/ImmutableEnumMap.java  
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 jar/com/google/common/collect/FilteredKeySetMultimap.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/ByteSink.java  
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 jar/com/google/common/reflect/TypeToInstanceMap.java  
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 jar/com/google/common/reflect/TypeCapture.java  
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 jar/com/google/common/util/concurrent/ListenableScheduledFuture.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/collect/BinaryTreeTraverser.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/io/FileWriteMode.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/util/concurrent/SmoothRateLimiter.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
 jar/com/google/common/hash/AbstractByteHasher.java  
 \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/html/package-  
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 jar/com/google/common/collect/ForwardingImmutableMap.java  
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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/Invokable.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TreeRangeMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/AbstractInvocationHandler.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingImmutableSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/xml/package-info.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredEntryMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DescendingImmutableSortedSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ServiceManager.java  
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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CharSource.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractNavigableMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/Parameter.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingImmutableList.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DescendingMultiset.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredSetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/package-info.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/EvictingQueue.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingNavigableSet.java  
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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/MutableTypeToInstanceMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CharSink.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TransformedListIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TransformedIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredKeyListMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/package-



info.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TreeTraverser.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredEntrySetMultimap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/UnmodifiableSortedMultiset.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedMultisetBridge.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/Element.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ContiguousSet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedLists.java

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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/PairwiseEquivalence.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/RemovalListener.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/RemovalCause.java
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- /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/CacheLoader.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/AbstractCache.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/CacheBuilderSpec.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Enums.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/AbstractLoadingCache.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AsyncFunction.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/ForwardingLoadingCache.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
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- /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ExecutionError.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Absent.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AbstractScheduledService.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/HttpHeaders.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/package-info.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/ForwardingCache.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/Cache.java
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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/package-info.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/AbstractCompositeHashFunction.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/IntMath.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/RemovalNotification.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/MediaType.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/BigIntegerMath.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/DoubleUtils.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Uninterruptibles.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/FutureFallback.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Present.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/CacheStats.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/WellBehavedMap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/DoubleMath.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Optional.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Ticker.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AtomicLongMap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/FutureCallback.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/TypeParameter.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/GwtTransient.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/HostAndPort.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/RemovalListeners.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/Types.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/LongMath.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/LoadingCache.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/WrappingExecutorService.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/VerifyException.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredMultimapValues.java

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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashingInputStream.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Utf8.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Preconditions.java

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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingTable.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/UrlEscapers.java
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- /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/SettableFuture.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Service.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AbstractIdleService.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SingletonImmutableTable.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RegularImmutableSortedSet.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/xml/XmlEscapers.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/SignedBytes.java
- \*
- /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ComputationException.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/Escapers.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/GwtIncompatible.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/HostSpecifier.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-

```

jar/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/EmptyImmutableSetMultimap.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/io/ByteProcessor.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/base/Platform.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableEnumSet.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/Callables.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingFuture.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Splitter.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractIndexedListAdapter.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/html/HtmlEscapers.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/ArrayBasedEscaperMap.java  
\*  
/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableTable.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/ByteArrayDataOutput.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableSetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableAsList.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/ByteArrayDataInput.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/GwtCompatible.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedIterables.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractRangeSet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RangeSet.java



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*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/Count.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/UnsignedLong.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/GeneralRange.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
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*/
/*
* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
* which contained the following notice:
*

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jar/com/google/common/util/concurrent/MoreExecutors.java  
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jar/com/google/common/collect/DenseImmutableTable.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/MapMaker.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/MapMakerInternalMap.java

\*

/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Cut.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/SparseImmutableTable.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/RegularImmutableTable.java

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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingImmutableCollection.java
- \*
- /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/MinMaxPriorityQueue.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/package-info.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/UnmodifiableListIterator.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedMapDifference.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RowSortedTable.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/Beta.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSetMultimap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Atomics.java
- \*
- /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Strings.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/package-info.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Equivalence.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Ascii.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractSequentialIterator.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingListMultimap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/package-info.java

\*

/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Monitor.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListeningExecutorService.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableMapEntrySet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableCollection.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Table.java

\*

/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RegularImmutableBiMap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FluentIterable.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableMapValues.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/InetAddresses.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableBiMap.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/Booleans.java

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jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/SerializingExecutor.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/PeekingIterator.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/CheckedFuture.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Longs.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/HashBasedTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-

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jar/com/google/common/collect/Range.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/base/Converter.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Floats.java
*
/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/AbstractCheckedFuture.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/Collections2.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/StandardTable.java
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/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/ImmutableListMultimap.java
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jar/com/google/common/collect/ImmutableEntry.java
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jar/com/google/common/base/Stopwatch.java
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jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/Ints.java
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jar/com/google/common/escape/UnicodeEscaper.java
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableRangeMap.java  
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/opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableRangeSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/SipHashFunction.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredKeyMultimap.java  
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  - \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/CharEscaperBuilder.java
  - \*
  - /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/AppendableWriter.java
  - \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/CaseFormat.java
  - \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/VisibleForTesting.java
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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CharSequenceReader.java
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jar/com/google/common/util/concurrent/Runnables.java

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jar/com/google/common/util/concurrent/AggregateFutureState.java

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jar/com/google/common/util/concurrent/InterruptibleTask.java

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jar/com/google/common/collect/ImmutableSortedAsList.java
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```
*/opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/FormatString.java
```

\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/FormatMethod.java  
\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/MustBeClosed.java  
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\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java  
\*  
/opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CheckReturnValue.java  
\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java  
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\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java  
\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/LockMethod.java  
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\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/RequiredModifiers.java  
\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/SuppressPackageLocation.java  
\*  
/opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CompileTimeConstant.java  
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\* /opt/cola/permits/1150926774\_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/Var.java  
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2000-05-05

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```

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Found in path(s):

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/dom/DOMWrappingReader.java

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\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/Stax2Util.java

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/dom/DOMWrappingWriter.java

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\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/Stax2WriterAdapter.java

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/Stax2WriterImpl.java

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/Stax2ReaderImpl.java

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```
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 * Stax2 extension API (for basic Stax API, JSR-173)
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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/typed/ValueEncoderFactory.java
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```

```
/* StAX2 extension for StAX API (JSR-173).
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```
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/typed/Base64DecoderBase.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/typed/CharArrayBase64Decoder.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/typed/StringBase64Decoder.java
*
/opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/util/StreamWriterDelegate.java
```



\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/NumberUtil.java

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Found in path(s):

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/typed/Base64Variant.java

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/typed/Base64Variants.java

\* /opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/XMLStreamReader2.java

\*

/opt/cola/permits/1129090477\_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/typed/TypedXMLStreamReader.java

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Found in path(s):

```
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/typed/ValueDecoderFactory.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/typed/AsciiValueEncoder.java
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Found in path(s):

```
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
jar/org/codehaus/stax2/ri/Stax2EventReaderImpl.java
```

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\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/META-INF/maven/org.glassfish.jaxb/txw2/pom.xml  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/package.html  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/package.html  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/package.html

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\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/StreamSerializer.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/TXW.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/DumbEscapeHandler.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Cdata.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/NamespaceDecl.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Text.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/EndTag.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/XmlSerializer.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/StartTag.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Content.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/DatatypeWriter.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/DomSerializer.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Document.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Attribute.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/XmlElement.java

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/SaxSerializer.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/DelegatingXMLStreamWriter.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/TXWSerializer.java  
\*  
/opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Pcdata.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/CharacterEscapeHandler.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/XmlAttribute.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/StaxSerializer.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/EndDocument.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/XmlCDATA.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/ContentVisitor.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/IndentingXMLStreamWriter.java  
\*  
/opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/ResultFactory.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/TXWResult.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/IndentingXMLFilter.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/XmlNamespace.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/TypedXmlWriter.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/TxwException.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/ContainerElement.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/NamespaceResolver.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/DataWriter.java  
\*  
/opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/StartDocument.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/XmlValue.java  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/DumpSerializer.java



```
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/IllegalAnnotationException.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/IllegalSignatureException.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/Comment.java
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```

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/**
 * Encapsulate Namespace logic for use by applications using SAX,
 * or internally by SAX drivers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p>This class encapsulates the logic of Namespace processing: it
 * tracks the declarations currently in force for each context and
 * automatically processes qualified XML names into their Namespace
 * parts; it can also be used in reverse for generating XML qnames
 * from Namespaces.</p>
 *
 * <p>Namespace support objects are reusable, but the reset method
 * must be invoked between each session.</p>
 *
 * <p>Here is a simple session:</p>
 *
 * <pre>
 * String parts[] = new String[3];
 * NamespaceSupport support = new NamespaceSupport();
 *
 * support.pushContext();
 * support.declarePrefix("", "http://www.w3.org/1999/xhtml");
 * support.declarePrefix("dc", "http://www.purl.org/dc#");
 *
 * parts = support.processName("p", parts, false);
 * System.out.println("Namespace URI: " + parts[0]);
 * System.out.println("Local name: " + parts[1]);
 * System.out.println("Raw name: " + parts[2]);
 *
 * parts = support.processName("dc:title", parts, false);
 * System.out.println("Namespace URI: " + parts[0]);
 * System.out.println("Local name: " + parts[1]);
 * System.out.println("Raw name: " + parts[2]);
 *
 * support.popContext();
 * </pre>
 *
 * <p>Note that this class is optimized for the use case where most
 * elements do not contain Namespace declarations: if the same
 * prefix/URI mapping is repeated for each context (for example), this
 * class will be somewhat less efficient.</p>

```

\*  
\* <p>Although SAX drivers (parsers) may choose to use this class to  
\* implement namespace handling, they are not required to do so.  
\* Applications  
\* must track namespace information themselves if they  
\* want to use namespace information.  
\*  
\* @since SAX 2.0  
\* @author David Megginson  
\* @version 2.0.1 (sax2r2)  
\*/

Found in path(s):

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-  
jar/com/sun/xml/txw2/NamespaceSupport.java

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* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/XMLWriter.java
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File: orm-busy.trace.xz

Description: Database object access of a e-commerce web application during a busy daytime.

File: orm-night.trace.xz

Description: Database object access of a e-commerce web application during the night time.

File: web07.trace.xz

Description: Normalized access trace (HTTP requests) a product detail page in July 2013.

File: web12.trace.xz

Description: Normalized access trace (HTTP requests) on a product detail page in December 2013.

Format: The accessed objects comprise of a mixture of product inventory, availability per price and also customer data. Objects are keyed by type, id and a index (e.g. the 3rd price of a product). All data is normalized into numbers starting at 0 (or 1 for sub-ids) and then collapsed into a single integer consisting of,

- Bits 27-31: type
- Bits 9-26: id
- Bits 0-9: index

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- \* /opt/cola/permits/1151170821\_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-jar/com/ctc/wstx/sw/AsciiXmlWriter.java
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- \* /opt/cola/permits/1151170821\_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-jar/com/ctc/wstx/msv/GenericMsvValidator.java
- \* /opt/cola/permits/1151170821\_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-jar/com/ctc/wstx/util/ElementIdMap.java
- \* /opt/cola/permits/1151170821\_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-jar/com/ctc/wstx/msv/W3CSchema.java
- \* /opt/cola/permits/1151170821\_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-jar/com/ctc/wstx/msv/W3CSchemaFactory.java
- \* /opt/cola/permits/1151170821\_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-

```
jar/com/ctc/wstx/msv/BaseSchemaFactory.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/DTDAttribute.java
*
/opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/sr/ValidatingStreamReader.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/DefaultAttrValue.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/DTDIId.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/DTDSubset.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/DTDSchemaFactory.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/evt/WstxEventReader.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/msv/AttributeProxy.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/util/SymbolTable.java
*
/opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/msv/RelaxNGSchemaFactory.java
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```

```
/* Woodstox XML processor
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*/
```

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```
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/ContentSpec.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/DFAValidator.java
* /opt/cola/permits/1151170821_1617802167.94/0/woodstox-core-asl-4-0-11-sources-4-
jar/com/ctc/wstx/dtd/StructValidator.java
*
```

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```
* /opt/cola/permits/1157317056_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/FieldResult.java  
* /opt/cola/permits/1157317056_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/EntityResult.java  
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/opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/ColumnResult.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/LockModeType.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/spi/PersistenceProvider.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/Enumerated.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/SharedCacheMode.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/Inheritance.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/spi/PersistenceUnitInfo.java

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\*

\* Contributors:

\* Linda DeMichiel - Java Persistence 2.1

\* Linda DeMichiel - Java Persistence 2.0

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Found in path(s):

\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-jar/javax/persistence/ValidationMode.java

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\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/PostLoad.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/LockTimeoutException.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/NonUniqueResultException.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/spi/package-info.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/NoResultException.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/UniqueConstraint.java  
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jar/javax/persistence/MapKeyColumn.java  
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jar/javax/persistence/DiscriminatorType.java  
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jar/javax/persistence/FetchType.java  
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jar/javax/persistence/criteria/ParameterExpression.java  
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jar/javax/persistence/MappedSuperclass.java  
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jar/javax/persistence/TransactionRequiredException.java  
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jar/javax/persistence/EntityListeners.java  
\* /opt/cola/permits/1157317056\_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
jar/javax/persistence/spi/PersistenceUnitTransactionType.java  
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jar/javax/persistence/PostPersist.java

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jar/javax/persistence/NamedEntityGraph.java  
*
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/opt/cola/permits/1157317056_1654022855.910856/0/javax-persistence-api-2-2-sources-2-  
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# 1.595 jctools-core 3.0.0

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No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0  
Bnd-LastModified: 1578049665284  
Build-Jdk: 1.8.0\_232  
Built-By: yak  
Bundle-Description: Java Concurrency Tools Core Library  
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>  
Bundle-ManifestVersion: 2  
Bundle-Name: Java Concurrency Tools Core Library  
Bundle-SymbolicName: org.jctools.core  
Bundle-Version: 3.0.0  
Created-By: Apache Maven Bundle Plugin  
Export-Package: org.jctools.maps;version="3.0.0",org.jctools.util;version="3.0.0";uses:="sun.misc",org.jctools.queues;version="3.0.0";uses:="org.jctools.queues.spec",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.atomic;version="3.0.0";uses:="org.jctools.queues,org.jctools.queues.spec"  
Import-Package: sun.misc;resolution:=optional  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"  
Tool: Bnd-4.2.0.201903051501

Found in path(s):

\* /opt/cola/permits/1177956791\_1625584358.42/0/jctools-core-3-0-0-5-jar/META-INF/MANIFEST.MF

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
```

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  <artifactId>jctools-core</artifactId>
  <groupId>org.jctools</groupId>
  <version>3.0.0</version>
  <name>Java Concurrency Tools Core Library</name>
  <description>Java Concurrency Tools Core Library</description>
  <packaging>bundle</packaging>
```

```
  <dependencies>
    <dependency>
      <groupId>org.hamcrest</groupId>
      <artifactId>hamcrest-all</artifactId>
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      <scope>test</scope>
    </dependency>
```

```

<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>${junit.version}</version>
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</dependency>

<dependency>
  <groupId>com.google.guava</groupId>
  <artifactId>guava-testlib</artifactId>
  <version>${guava-testlib.version}</version>
  <scope>test</scope>
</dependency>
</dependencies>
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  <plugins>
    <plugin>
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      <artifactId>maven-surefire-plugin</artifactId>
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        <includes>
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        </includes>
      </configuration>
    </plugin>
    <plugin>
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      <artifactId>maven-bundle-plugin</artifactId>
      <version>4.2.1</version>
      <extensions>>true</extensions>
      <configuration>
        <instructions>
          <Import-Package>sun.misc;resolution:=optional</Import-Package>
        </instructions>
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    </plugin>
    <plugin>
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      <artifactId>maven-source-plugin</artifactId>
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          <goals>
            <goal>jar-no-fork</goal>
          </goals>
        </execution>
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  </plugins>
</build>

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    </goals>
  </execution>
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</plugin>
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  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
  <configuration>
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      <additionalOption>-Xdoclint:none</additionalOption>
    </additionalOptions>
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  </configuration>
  <executions>
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      <goals>
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      </goals>
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  </executions>
</plugin>
</plugins>
</build>

<distributionManagement>
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    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>
  </repository>
</distributionManagement>

<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

<licenses>
  <license>
    <name>Apache
License, Version 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    <distribution>repo</distribution>
  </license>
</licenses>

<scm>
  <url>https://github.com/JCTools/JCTools</url>

```

```
<connection>scm:git:https://github.com/JCTools/JCTools</connection>
<tag>HEAD</tag>
</scm>

<developers>
<developer>
<url>https://github.com/nitsanw</url>
</developer>
<developer>
<url>https://github.com/mjpt777</url>
</developer>
<developer>
<url>https://github.com/RichardWarburton</url>
</developer>
<developer>
<url>https://github.com/kay</url>
</developer>
<developer>
<url>https://github.com/franz1981</url>
</developer>
</developers>

<prerequisites>
<maven>3.5.0</maven>
</prerequisites>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<java.version>1.6</java.version>
<java.test.version>1.8</java.test.version>

<maven.compiler.source>${java.version}</maven.compiler.source>
<maven.compiler.target>${java.version}</maven.compiler.target>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>
```

Found

in path(s):

\* /opt/cola/permits/1177956791\_1625584358.42/0/jctools-core-3-0-0-5-jar/META-INF/maven/org.jctools/jctools-core/pom.xml



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```

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signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
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# 1.600 jopt-simple 5.0.2

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- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/AbbreviationMap.java
- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/MultipleArgumentsForOptionException.java
- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/ValueConverter.java
- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/ValueConversionException.java
- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/MethodInvokingValueConverter.java
- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/IllegalOptionSpecificationException.java
- \* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/UnconfiguredOptionException.java

\*

/opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionException.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/AbstractOptionSpec.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionSpecBuilder.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionParserState.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/OptionNameMap.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/HelpFormatter.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionalArgumentOptionSpec.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionSpec.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/ReflectionException.java  
\*  
/opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionParser.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Strings.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/ArgumentAcceptingOptionSpec.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/MissingRequiredOptionsException.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/SimpleOptionNameMap.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/util/DateConverter.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/BuiltinHelpFormatter.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/ConstructorInvokingValueConverter.java  
\*  
/opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Row.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionMissingRequiredArgumentException.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Rows.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Columns.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/util/InetAddressConverter.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionSpecTokenizer.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/NoArgumentOptionSpec.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/NonOptionArgumentSpec.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/ArgumentList.java  
\*  
/opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionArgumentConversionException.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/util/KeyValuePair.java  
\* /opt/cola/permits/1257496440\_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/util/RegexMatcher.java



```
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Classes.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Reflection.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionDescriptor.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-
jar/joptsimple/UnrecognizedOptionException.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-
jar/joptsimple/AlternativeLongOptionSpec.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-
jar/joptsimple/UnavailableOptionException.java
*
/opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/internal/Messages.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-
jar/joptsimple/RequiredArgumentOptionSpec.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/ParserRules.java
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-jar/joptsimple/OptionSet.java
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```
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```
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```

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```
* /opt/cola/permits/1257496440_1642830153.05/0/jopt-simple-5-0-2-sources-
jar/joptsimple/util/EnumConverter.java
```

# 1.601 javax-annotation-api 1.3.2

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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages\_zh\_TW.properties

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages\_zh\_CN.properties

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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages\_es.properties

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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/Messages\_pt\_BR.properties  
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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/Messages\_ko.properties  
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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/Messages\_es.properties  
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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/CharacterEscapeHandler.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/MinimumEscapeHandler.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/schemagen/episode/Klass.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/util/EditDistance.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/util/FlattenIterator.java  
\*  
/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/schemagen/episode/SchemaBindings.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/DataWriter.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/SAX2DOMEx.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/EnumLeafInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/runtime/SwaRefAdapterMarker.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/AttributePropertyInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/WellKnownNamespace.java  
\*  
/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/PropertyKind.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/WildcardTypeInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/package-info.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/annotation/XmlLocation.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-

jar/com/sun/xml/bind/v2/model/core/ID.java

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Found in path(s):

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-

jar/com/sun/xml/bind/marshaller/NoEscapeHandler.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-

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jar/com/sun/xml/bind/v2/model/impl/ModelBuilderI.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/nav/package-info.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/util/ArrayInfoUtil.java
```

# 1.609 istack-commons 3.0.5

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Found in path(s):

\* /opt/cola/permits/1334904685\_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-INF/maven/com.sun.istack/istack-commons-runtime/pom.xml

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Manifest-Version: 1.0

Bundle-Description: istack common utility code

Implementation-Title: istack common utility code runtime

Bundle-License: [https://glassfish.java.net/public/CDDL+GPL\\_1\\_1.html](https://glassfish.java.net/public/CDDL+GPL_1_1.html), [https://glassfish.java.net/public/CDDL+GPL\\_1\\_1.html](https://glassfish.java.net/public/CDDL+GPL_1_1.html)

Bundle-SymbolicName: com.sun.istack.commons-runtime

Implementation-Version: 3.0.5

Built-By: build

Bnd-LastModified: 1486772850426

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: com.sun.istack

Bundle-DocURL: <http://www.oracle.com/>

Bundle-Vendor: Oracle Corporation

Import-Package: javax.activation,javax.xml.namespace,javax.xml.stream,org.xml.sax,org.xml.sax.helpers

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"

Tool: Bnd-3.2.0.201605172007

Implementation-Vendor: Oracle Corporation

Export-Package: com.sun.istack;uses="javax.activation,javax.xml.stream,org.xml.sax,org.xml.sax.helpers";version="3.0.5",com.sun.istack.logging;version="3.0.5",com.sun.istack.localization;version="3.0.5"

Bundle-Name:

istack common utility code runtime

Bundle-Version: 3.0.5

Implementation-Build-Id: tags/istack-commons-3.0.5-321, 2017-02-11T01:27:24+0100

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0\_112

Found in path(s):

\* /opt/cola/permits/1334904685\_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-INF/MANIFEST.MF

# 1.610 reflectasm 1.11.3

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```

```
*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1335933469_1654004406.6611712/0/reflectasm-1-11-3-sources-2-jar/com/esotericsoftware/reflectasm/AccessClassLoader.java
```

```
* /opt/cola/permits/1335933469_1654004406.6611712/0/reflectasm-1-11-3-sources-2-jar/com/esotericsoftware/reflectasm/ConstructorAccess.java
```

```
* /opt/cola/permits/1335933469_1654004406.6611712/0/reflectasm-1-11-3-sources-2-jar/com/esotericsoftware/reflectasm/FieldAccess.java
```

```
*
```

```
/opt/cola/permits/1335933469_1654004406.6611712/0/reflectasm-1-11-3-sources-2-jar/com/esotericsoftware/reflectasm/PublicConstructorAccess.java
```

```
* /opt/cola/permits/1335933469_1654004406.6611712/0/reflectasm-1-11-3-sources-2-jar/com/esotericsoftware/reflectasm/MethodAccess.java
```



# 1.611 activation 1.2.2

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\* /opt/cola/permits/1349013147\_1655879756.6643403/0/failureaccess-1-0-1-sources-4-jar/com/google/common/util/concurrent/internal/InternalFutures.java

\* /opt/cola/permits/1349013147\_1655879756.6643403/0/failureaccess-1-0-1-sources-4-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java

# 1.613 libsm 1.2.2-2.el7

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## 1.614 activation 1.2.1

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## 1.615 stax-ex 1.8

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin

Built-By: build

Build-Jdk: 9.0.4

Implementation-Title: Extended StAX API

Implementation-Version: 1.8

Implementation-Vendor-Id: org.jvnet.staxex

Implementation-URL: <http://stax-ex.java.net/>

Implementation-Build-Id: \${scmBranch}-\${buildNumber}, \${timestamp}

Bnd-LastModified: 1524563042303

Bundle-Description: Extensions to JSR-173 StAX API.

Bundle-License: [https://glassfish.dev.java.net/public/CDDL+GPL\\_1\\_1.htm](https://glassfish.dev.java.net/public/CDDL+GPL_1_1.htm)

1

Bundle-ManifestVersion: 2  
Bundle-Name: Extended StAX API  
Bundle-SymbolicName: org.jvnet.staxex.stax-ex  
Bundle-Version: 1.8.0  
Export-Package: org.jvnet.staxex;version="1.8.0";uses:="javax.activation,javax.xml.namespace,javax.xml.stream",org.jvnet.staxex.util;version="1.8.0";uses:="javax.xml.bind.attachment,javax.xml.namespace,javax.xml.stream,org.w3c.dom"  
Import-Package: javax.activation,javax.xml.bind.attachment,javax.xml.namespace,javax.xml.stream,org.jvnet.staxex;version="[1.8,2)",org.w3c.dom  
Originally-Created-By: Apache Maven Bundle Plugin  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=9.0))"  
Tool: Bnd-3.5.0.201709291849

Found in path(s):

\* /opt/cola/permits/1526682834\_1673245458.2780282/0/stax-ex-1-8-9-jar/META-INF/MANIFEST.MF

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\* /opt/cola/permits/1526682834\_1673245458.2780282/0/stax-ex-1-8-9-jar/META-INF/maven/org.jvnet.staxex/stax-ex/pom.xml

## 1.616 jsr305 3.0.2

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\* /opt/cola/permits/1656638364\_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/ThreadSafe.java  
\* /opt/cola/permits/1656638364\_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/NotThreadSafe.java  
\* /opt/cola/permits/1656638364\_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/Immutable.java  
\* /opt/cola/permits/1656638364\_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/GuardedBy.java

## 1.617 aop-alliance 2.6.1

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SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0\
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</goals>\
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<!--\
```

We set a mandatory attribute for these packages, because we don't want them to be visible to just anyone. An importer must specify the mandatory attribute for it to be able to import. See section #3.6.5 of OSGi R4 spec.

Why is this required?  
See [https://glassfish.dev.java.net/issues/show\\_bug.cgi?id=5385](https://glassfish.dev.java.net/issues/show_bug.cgi?id=5385)  
By doing this, we allow user have any version of apache-commons lib in their application class loader hierarchy. They don't even have to set `delegation=false` in `sun-web.xml`! This is the true advantage of using OSGi.

Sahoo.\

```
\
-->\
<Export-Package>org.aopalliance.*;version=${aopalliance.version}</Export-Package>\
<Private-Package>!*</Private-Package>\
</instructions>\
</configuration>\
<executions>\
<execution>\
<id>osgi-manifest</id>\
<phase>process-classes</phase>\
<goals>\
<goal>manifest</goal>\
</goals>\
</execution>\
</executions>\
</plugin>\
</plugins>\
</build>\
<dependencies>\
<dependency>\
<groupId>aopalliance</groupId>\
<artifactId>aopalliance</artifactId>\
<version>${aopalliance.version}</version>\
<optional>>true</optional>\
</dependency>\
</dependencies>\
</project>\
}
```

Found in path(s):

\* /opt/cola/permits/1688041658\_1684928894.4895442/0/aopalliance-2-6-1-zip/aopalliance-2.6.1.rtf

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# 1.618 libxml 2.9.1

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