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The files were incorporated into mongo-c-driver from the GnuCash project (version 2.7.5, commit 749beb197d7597ba22042277ceec396c28062120) and subsequently modified. This additional note appeared with the modules in the GnuCash project:

Some of them were published on

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## 1.5 hibernate-validator 6.2.3.Final

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## 1.6 tomcat-catalina 9.0.63

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## 1.7 hk2-locator 2.2.0-b21

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# 1.8 spring-framework 5.3.18

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## 1.9 tomcat-i18n-cs 9.0.63

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- javaee\_5.xsd
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- 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
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The original XML Schemas for Java EE Deployment Descriptors:

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- javaee\_web\_services\_client\_1\_2.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
- 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
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
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- javaee\_web\_services\_1\_3.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
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## 1.10 tomcat-annotations-api 9.0.63

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- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/lang/UnavailableImplementationException.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/ImmutableJwtParser.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/lang/Services.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultJwtParserBuilder.java

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- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/META-INF/maven/io.jsonwebtoken/jjwt-impl/pom.xml

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- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/DefaultSignatureValidatorFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/DefaultJwtSigner.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/MacValidator.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultJwtParser.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/RsaSigner.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultJwsHeader.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultJws.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/Base64Codec.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/FixedClock.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/AbstractTextCodec.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/SignatureProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/SignerFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultClock.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/Base64UrlCodec.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/JwtSignatureValidator.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/MacSigner.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/JwtSigner.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/TextCodec.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/DefaultJwtSignatureValidator.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultClaims.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/JwtMap.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/crypto/RsaProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/DefaultHeader.java
- \* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-

jar/io/jsonwebtoken/impl/crypto/SignatureValidatorFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/DefaultSignerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/MacProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/DefaultJwt.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/DefaultJwtBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/RsaSignatureValidator.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/Signer.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/SignatureValidator.java

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\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/DefaultTextCodecFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/EllipticCurveSigner.java

\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/compression/DeflateCompressionCodec.java

\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/compression/GzipCompressionCodec.java

\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/TextCodecFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/crypto/EllipticCurveProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1073029148\_1595253669.94/0/jjwt-impl-0-11-2-sources-  
jar/io/jsonwebtoken/impl/AndroidBase64Codec.java

```
* /opt/ws_local/PERMITS_SQL/1073029148_1595253669.94/0/jjwt-impl-0-11-2-sources-
jar/io/jsonwebtoken/impl/crypto/EllipticCurveSignatureValidator.java
* /opt/ws_local/PERMITS_SQL/1073029148_1595253669.94/0/jjwt-impl-0-11-2-sources-
jar/io/jsonwebtoken/impl/compression/DefaultCompressionCodecResolver.java
* /opt/ws_local/PERMITS_SQL/1073029148_1595253669.94/0/jjwt-impl-0-11-2-sources-
jar/io/jsonwebtoken/impl/compression/AbstractCompressionCodec.java
* /opt/ws_local/PERMITS_SQL/1073029148_1595253669.94/0/jjwt-impl-0-11-2-sources-
jar/io/jsonwebtoken/impl/compression/CompressionCodecs.java
```

## 1.13 jjwt-jackson 0.11.2

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```
* /opt/ws_local/PERMITS_SQL/1073029113_1595253675.12/0/jjwt-jackson-0-11-2-sources-jar/META-
INF/maven/io/jsonwebtoken/jjwt-jackson/pom.xml
```

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\* /opt/ws\_local/PERMITS\_SQL/1073029113\_1595253675.12/0/jjwt-jackson-0-11-2-sources-jar/io/jsonwebtoken/jackson/io/JacksonDeserializer.java

\* /opt/ws\_local/PERMITS\_SQL/1073029113\_1595253675.12/0/jjwt-jackson-0-11-2-sources-jar/io/jsonwebtoken/jackson/io/JacksonSerializer.java

## 1.14 jboss-logging 3.4.3.Final

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## 1.15 tomcat-jaspic-api 9.0.63

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\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/PasswordValidationCallback.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/ClientAuth.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/MessagePolicy.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ServerAuthConfig.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/SecretKeyCallback.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ServerAuthContext.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/RegistrationListener.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/module/ClientAuthModule.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfig.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/AuthStatus.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/module/ServerAuthModule.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/PrivateKeyCallback.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ClientAuthConfig.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/ServerAuth.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/MessageInfo.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfigProvider.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/GroupPrincipalCallback.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ClientAuthContext.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfigFactory.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/TrustStoreCallback.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/CallerPrincipalCallback.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/AuthException.java

\* /opt/cola/permits/1345518484\_1655361689.2947288/0/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/CertStoreCallback.java

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## 1.17 jjwt-api 0.11.2

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\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/CompressionCodecResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/CompressionCodec.java  
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\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/ExceptionPropagatingEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/Header.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/SignatureAlgorithm.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Base64Encoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/RuntimeEnvironment.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/RequiredTypeException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/JwtBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/SignatureException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/ExpiredJwtException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Base64.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/IOException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/security/Keys.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/SerialException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/EncodingException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Encoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Base64UrlDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/ExceptionPropagatingDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/Strings.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/Jwt.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/ClaimsMutator.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Encoders.java  
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\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Base64Decoder.java

\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/DateFormats.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/InstantiationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Deserializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Base64UrlEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/CompressionCodecs.java  
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\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/Jws.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/security/SecurityException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/SigningKeyResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/JwtParser.java  
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\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/security/KeyException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Decoders.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Decoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Serializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/security/SignatureException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/JwtHandlerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/UnknownClassException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/JwtException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/ClaimJwtException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/Base64Support.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/Classes.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/PrematureJwtException.java

\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/Objects.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/Jwts.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/MalformedJwtException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/security/WeakKeyException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/Claims.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/lang/Assert.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/SerializationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/security/InvalidKeyException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/CodecException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/io/DecodingException.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/SigningKeyResolverAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1073029085\_1595253709.35/0/jjwt-api-0-11-2-sources-jar/io/jsonwebtoken/Clock.java

## 1.18 tomcat-i18n-de 9.0.63

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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
- 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\_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

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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
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
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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



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- web-common\_3\_1.xsd
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- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- web-common\_3\_1.xsd
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## 1.19 cglib 2.2

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```
*/opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
jar/net/sf/cglib/transform/AbstractTransformTask.java
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\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/MethodFilter.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/SorterTemplate.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/FieldVisitorTee.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/FixedValue.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerFactory.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBeanException.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastMember.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassReaderGenerator.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformer.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastConstructor.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/CodeGenerationException.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Predicate.java  
\* /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  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Constants.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Customizer.java

- \* /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
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/StringSwitcher.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-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-jar/net/sf/cglib/transform/impl/FieldProviderTransformer.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/TransformingClassLoader.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Converter.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldFilter.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBean.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/AnnotationVisitorTee.java
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- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassVisitorTee.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Local.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/InvocationHandler.java
- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOp.java
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- \* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/FieldProvider.java
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jar/net/sf/cglib/transform/impl/InterceptFieldEnabled.java  
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jar/net/sf/cglib/transform/impl/InterceptFieldCallback.java  
\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-  
jar/net/sf/cglib/transform/impl/UndeclaredThrowableTransformer.java  
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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  
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jar/net/sf/cglib/transform/impl/InterceptFieldTransformer.java  
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\* /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  
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\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanMap.java  
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\* /opt/cola/permits/1000765526\_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/LazyLoaderGenerator.java  
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\* /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

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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-
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jar/net/sf/cglib/core/RejectModifierPredicate.java
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jar/net/sf/cglib/proxy/MixinEverythingEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/InterfaceMaker.java
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Found in path(s):
```

```
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/LocalVariablesSorter.java
```

## 1.20 jersey 2.5.1

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The Windows Installer is built with the Nullsoft Scriptable Install System (NSIS), which is open source software. The original software and related information is available at <http://nsis.sourceforge.net>.

Java compilation software for JSP pages is provided by the Eclipse JDT Core Batch Compiler component, which is open source software. The original software and related information is available at <https://www.eclipse.org/jdt/core/>.

org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer. <https://github.com/RobertFischer/json-parser>

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages are derivative work originating from the Netty project and the finagle-native project developed at Twitter  
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The original XML Schemas for Java EE Deployment Descriptors:

- 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
- 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
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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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
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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
- 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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The original XML Schemas for Java EE Deployment Descriptors:

- 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
- 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
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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## 1.25 tomcat-websocket 9.0.63

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## 1.28 jersey-client 2.5.1

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# 1.29 log4j-api 2.17.2

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## 1.30 jakarta-validation-api 2.0.2

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```
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*  
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*/
```

Found in path(s):

```
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
```

jar/javax/validation/Validator.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/CascadableDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ConstraintTarget.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/FutureOrPresent.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Null.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ConstraintValidatorContext.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ExecutableDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/groups/Default.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/MessageInterpolator.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/package-info.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/Unwrapping.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ValueExtractor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraintvalidation/ValidationTarget.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/MethodDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/package-info.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/UnexpectedTypeException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/BeanDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Digits.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/UnwrapByDefault.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/NegativeOrZero.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ConstraintViolation.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ConstraintDefinitionException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ValidateUnwrappedValue.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-



jar/javax/validation/constraintvalidation/SupportedValidationTarget.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/groups/package-info.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/spi/ValidationProvider.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ElementKind.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/GroupConversionDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ExtractedValue.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/bootstrap/GenericBootstrap.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/MethodType.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ValueExtractorDeclarationException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ConstructorDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraintvalidation/package-info.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/AssertTrue.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/Path.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/executable/package-info.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/package-info.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/PositiveOrZero.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ValueExtractorDefinitionException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/BootstrapConfiguration.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ElementDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ContainerElementTypeDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/GroupDefinitionException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Min.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/groups/ConvertGroup.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/Scope.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-

jar/javax/validation/constraints/Max.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ReportAsSingleViolation.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ReturnValueDescriptor.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ParameterNameProvider.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Pattern.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/NoProviderFoundException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/Validation.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ValidatorContext.java  
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jar/javax/validation/constraints/NotBlank.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/spi/package-info.java  
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jar/javax/validation/Constraint.java  
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jar/javax/validation/Valid.java  
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jar/javax/validation/ClockProvider.java  
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jar/javax/validation/Configuration.java  
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jar/javax/validation/executable/ValidateOnExecution.java  
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jar/javax/validation/constraints/PastOrPresent.java  
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jar/javax/validation/ConstraintViolationException.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/bootstrap/package-info.java  
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jar/javax/validation/TraversableResolver.java  
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jar/javax/validation/ValidationProviderResolver.java  
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jar/javax/validation/ValidatorFactory.java  
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jar/javax/validation/metadata/ContainerDescriptor.java  
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jar/javax/validation/GroupSequence.java  
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jar/javax/validation/ConstraintValidator.java  
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jar/javax/validation/executable/ExecutableType.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/AssertFalse.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Future.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/DecimalMax.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Positive.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/NotEmpty.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/spi/ConfigurationState.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/Payload.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/DecimalMin.java  
\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-

jar/javax/validation/constraints/Past.java

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\* /opt/cola/permits/1135880235\_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/META-INF/maven/jakarta.validation/jakarta.validation-api/pom.xml

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## 1.33 guava 30.1.1-jre

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## 1.34 tomcat 9.0.60

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- web-app\_3\_0.xsd
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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.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
- javaee\_web\_services\_1\_4.xsd
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- javaee\_web\_services\_client\_1\_3.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
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For the following XML 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
- web-app\_4\_0.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
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- web-fragment\_3\_0.xsd
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*/
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *     ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

```

Found in path(s):

```

* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ComparatorOrdering.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/AbstractMultiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ReverseNaturalOrdering.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableSet.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingSortedSet.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingListIterator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/TreeMultimap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/LinkedListMultimap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingSortedMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Iterators.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ExplicitOrdering.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/LexicographicalOrdering.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Multiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/LinkedHashMultiset.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/UsingToStringOrdering.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/HashMultimap.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Maps.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingConcurrentMap.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingMultiset.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ClassToInstanceMap.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingQueue.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Multimap.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Lists.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ByFunctionOrdering.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/AbstractMapBasedMultimap.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/EnumBiMap.java  
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- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SingletonImmutableList.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RegularImmutableList.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ArrayTable.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/AbstractIndexedListIterator.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableAsList.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ComputationException.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ComparisonChain.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableSetMultimap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableEnumSet.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/EmptyImmutableSetMultimap.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SingletonImmutableTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableSortedMap.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/MultimapBuilder.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/IndexedImmutableSet.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/WrappingExecutorService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractScheduledService.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/UnsignedInteger.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/UnsignedLong.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/HashingOutputStream.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/AbstractSortedMultiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/HashFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AsyncFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/RemovalNotification.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/Murmur3\_128HashFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/CacheLoader.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/Cache.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingExecutorService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/LoadingCache.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/PrimitiveSink.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Uninterruptibles.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/CacheStats.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/Funnel.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/ForwardingCache.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/DoubleUtils.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/Funnels.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/Crc32cHashFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/AbstractStreamingHasher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/UnsignedInts.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/IntMath.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/reflect/TypeParameter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/FutureCallback.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/AbstractHasher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/RemovalListeners.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/Hasher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/HashCode.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/AbstractCache.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Optional.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Enums.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/DoubleMath.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/CacheBuilderSpec.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/Weigher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Queues.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/ParseRequest.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/Murmur3\_32HashFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/BloomFilter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/PairwiseEquivalence.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RegularContiguousSet.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/FunctionalEquivalence.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/MessageDigestHashFunction.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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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/Striped64.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-



jar/com/google/common/cache/LongAdder.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/Striped64.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/LongAdder.java  
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```

```
*/  
/*  
* This method was rewritten in Java from an intermediate step of the Murmur hash function in  
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jar/com/google/common/base/SmallCharMatcher.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/SubscriberRegistry.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Subscriber.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Dispatcher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ListenerCallQueue.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/MoreObjects.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SortedIterables.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingSortedMultiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RangeSet.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/GeneralRange.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/collect/RegularImmutableSortedMultiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/AbstractRangeSet.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/SortedIterable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ImmutableSortedMultiset.java  
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jar/com/google/common/hash/MacHashFunction.java  
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jar/com/google/common/util/concurrent/AsyncCallable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/LittleEndianByteArray.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/InterruptibleTask.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/CombinedFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/AggregateFutureState.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/FarmHashFingerprint64.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/ReaderInputStream.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ConsumingQueueIterator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/Platform.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Equivalence.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Strings.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/net/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SortedLists.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Atomics.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Monitor.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ListeningExecutorService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/annotations/Beta.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Ascii.java

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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/
```

Found in path(s):

```
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/Partially.java
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```

```
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
```

jar/com/google/common/util/concurrent/ImmediateFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/escape/CharEscaperBuilder.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/AggregateFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/annotations/VisibleForTesting.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/PatternFilenameFilter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/FakeTimeLimiter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/FluentFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/escape/CharEscaper.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/base/CaseFormat.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/CollectionFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/TimeLimiter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/TypeToken.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/AbstractTransformFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/TimeoutFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/AppendableWriter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/Futures.java  
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/\*\*  
\* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular  
\* version.  
\*/

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jar/com/google/common/collect/UnmodifiableListIterator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/RowSortedTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/AbstractSequentialIterator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ForwardingSortedSetMultimap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/SortedMapDifference.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ForwardingImmutableCollection.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/MinMaxPriorityQueue.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ForwardingSetMultimap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ForwardingListMultimap.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/primitives/ImmutableLongArray.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/primitives/ImmutableDoubleArray.java



```
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/primitives/ImmutableIntArray.java
```

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```
*/
```

```
/**
```

```
* Returns an array containing all of the elements in the specified collection. This method
```

```
* returns the elements in the order they are returned by the collection's iterator. The returned
```

```
* array is "safe" in that no references to it are maintained by the collection. The caller is
```

```
* thus free to modify the returned array.
```

```
*
```

```
* <p>This method assumes that the collection size doesn't change while the method is running.
```

```
*
```

```
* <p>TODO(kevinb): support concurrently modified collections?
```

```
*
```

```
* @param c the collection for which to return an array of elements
```

```
*/
```

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```
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/CommonPattern.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/CommonMatcher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/JdkPattern.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/CharSequenceReader.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Utf8.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/SubscriberExceptionContext.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Verify.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/eventbus/SubscriberExceptionHandler.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/AbstractTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/FilteredMultimapValues.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/HashingInputStream.java  
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jar/com/google/common/base/VerifyException.java  
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jar/com/google/common/util/concurrent/Runnables.java  
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jar/com/google/common/reflect/TypeVisitor.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/LineReader.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Predicates.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Objects.java

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jar/com/google/common/io/LittleEndianDataInputStream.java  
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jar/com/google/common/base/Predicate.java  
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jar/com/google/common/eventbus/package-info.java  
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jar/com/google/common/io/MultiInputStream.java  
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jar/com/google/common/base/FinalizableReference.java  
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jar/com/google/common/collect/Interners.java  
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jar/com/google/common/base/Supplier.java  
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jar/com/google/common/base/AbstractIterator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/base/Functions.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/base/Throwables.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/package-  
info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/eventbus/DeadEvent.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/ExecutionList.java  
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jar/com/google/common/base/FinalizablePhantomReference.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/eventbus/EventBus.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/HashBiMap.java  
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jar/com/google/common/base/package-info.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/base/Charsets.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/RecursiveDeleteOption.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/PredecessorsFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/InsecureRecursiveDeleteException.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/ImmutableNetwork.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/graph/SuccessorsFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/MutableGraph.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/Network.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/MutableNetwork.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/TopKSelector.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/ImmutableGraph.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/Graph.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/Graphs.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.

\*/

Found in path(s):

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/Striped.java

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jar/com/google/common/collect/JdkBackedImmutableMultiset.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/ImmutableSupplier.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/JdkBackedImmutableSet.java

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jar/com/google/common/graph/BaseGraph.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/AbstractBaseGraph.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/graph/Traverser.java

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*/
/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
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*/
```

Found in path(s):

```
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/Hashing.java
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jar/com/google/common/collect/CollectSpliterators.java
```

```
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/graph/package-info.java
```

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SortedMultisets.java

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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/PairedStats.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/RateLimiter.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/collect/ImmutableRangeMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/TypeToInstanceMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/math/PairedStatsAccumulator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/math/StatsAccumulator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/Parameter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/SipHashFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/AbstractInvocationHandler.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/ByteSource.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/ClassPath.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/Element.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/FileWriteMode.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/SmoothRateLimiter.java  
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jar/com/google/common/html/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/ByteSink.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/math/Stats.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/MutableTypeToInstanceMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/ImmutableRangeSet.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/cache/LongAddable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/CharSink.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/LongAddable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/ServiceManager.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/Invokable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/FilteredKeyMultimap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/io/BaseEncoding.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/escape/package-info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/base/StandardSystemProperty.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/util/concurrent/ListenableScheduledFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/cache/LongAddables.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/xml/package-  
info.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/math/LinearTransformation.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/AbstractByteHasher.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/Closer.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/ChecksumHashFunction.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/reflect/TypeCapture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/CartesianList.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/CharSource.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/hash/LongAddables.java

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jar/com/google/common/io/ByteArrayDataInput.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/CacheBuilder.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/annotations/GwtCompatible.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/LocalCache.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteArrayDataOutput.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractIdleService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Splitter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SparseImmutableTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/escape/Escapers.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/DenseImmutableTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/SignedBytes.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/reflect/TypeResolver.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/LineProcessor.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Service.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/UnsignedBytes.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingFluentFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/net/InternetDomainName.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Callables.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/html/HtmlEscapers.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/MapMakerInternalMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Cut.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/JdkFutureAdapters.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractService.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteProcessor.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/net/UrlEscapers.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Platform.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/ReferenceEntry.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/annotations/GwtIncompatible.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/escape/ArrayBasedEscaperMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/xml/XmlEscapers.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/MapMaker.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingFuture.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/escape/ArrayBasedCharEscaper.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RegularImmutableTable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/escape/Platform.java

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- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Tables.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RegularImmutableMap.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/EmptyImmutableListMultimap.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableMapEntrySet.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableMultiset.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableEntry.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/CollectPreconditions.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/StandardTable.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/HashBasedTable.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableCollection.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/UnmodifiableIterator.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableMultimap.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/PeekingIterator.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableListMultimap.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Range.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/TreeBasedTable.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Serialization.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableMapValues.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableSortedSet.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableMap.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SingletonImmutableBiMap.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/collect/RegularImmutableBiMap.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/collect/Platform.java  
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jar/com/google/common/collect/Table.java

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jar/com/google/common/base/Joiner.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/primitives/Doubles.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/primitives/Shorts.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/io/MultiReader.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/thirdparty/publicsuffix/TrieParser.java  
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jar/com/google/common/escape/UnicodeEscaper.java  
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jar/com/google/common/collect/FluentIterable.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-



jar/com/google/common/base/Converter.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
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jar/com/google/common/primitives/Booleans.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/net/InetAddresses.java  
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jar/com/google/common/util/concurrent/SequentialExecutor.java  
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jar/com/google/common/util/concurrent/ListenableFutureTask.java  
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jar/com/google/common/primitives/Longs.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/primitives/Ints.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-  
jar/com/google/common/primitives/Floats.java

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- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/MoreCollectors.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractValueGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ConfigurableMutableNetwork.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ElementOrder.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ValueGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/GraphConnections.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ConfigurableMutableValueGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/MutableValueGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/MapRetrievalCache.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ConfigurableNetwork.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ImmutableValueGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/DirectedGraphConnections.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ForwardingValueGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractNetwork.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ForwardingNetwork.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractGraph.java
- \* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ForwardingGraph.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractGraphBuilder.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/CollectCollectors.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/NetworkConnections.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/GraphBuilder.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/GraphConstants.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/EndpointPairIterator.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/DirectedNetworkConnections.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/MultiEdgesConnecting.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ConfigurableMutableGraph.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/EndpointPair.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RangeGwtSerializationDependencies.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/MapIteratorCache.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/UndirectedNetworkConnections.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/Comparators.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/UndirectedGraphConnections.java  
\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/DirectedMultiNetworkConnections.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/EvictingQueue.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/FilteredEntryMultimap.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/UnmodifiableSortedMultiset.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/FilteredMultimap.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/CompactHashSet.java

\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/TreeRangeMap.java  
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\* /opt/cola/permits/1110675684\_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/FilteredKeyListMultimap.java  
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## 1.47 jackson-databind 2.13.2.2

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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.

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```

Found in path(s):

```
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/JspWriter.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/el/ScopedAttributeELResolver.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/BodyTagSupport.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/JspTagException.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/TagVariableInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/VariableInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/BodyTag.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/TagAdapter.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/el/VariableResolver.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/ValidationMessage.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/el/ExpressionEvaluator.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/tagext/TagLibraryInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/FormData.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-
jar/javax/servlet/jsp/el/ELException.java
```

```
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-  
jar/javax/servlet/jsp/SkipPageException.java  
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-  
jar/javax/servlet/jsp/tagext/TagAttributeInfo.java  
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-  
jar/javax/servlet/jsp/tagext/BodyContent.java  
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-  
jar/javax/servlet/jsp/JspApplicationContext.java
```

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## 1.52 tomcat-jdbc 9.0.63

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## 1.54 slf4j 1.7.36

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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
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- javaee\_web\_services\_1\_3.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
- javaee\_web\_services\_1\_4.xsd
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- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
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- javaee\_6.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
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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
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd

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## 1.58 javax-inject 2.2.0-b21

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- \* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/ServletURIPool.java
- \* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-

jar/org/xipki/http/servlet/TlsHelper.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-  
jar/org/xipki/http/servlet/ServletURI.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-  
jar/org/xipki/http/servlet/SslReverseProxyMode.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/package-  
info.java  
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Found in path(s):  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/META-  
INF/maven/org.xipki/servlet-api/pom.xml

# 1.60 tomcat-i18n-pt-br 9.0.63

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- `javaee_5.xsd`
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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`
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- `web-app_3_1.xsd`
- `web-common_3_1.xsd`
- `web-fragment_3_1.xsd`
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- `web-common_4_0.xsd`



- web-fragment\_4\_0.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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- 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
- 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
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
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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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## 1.61 tomcat-juli 9.0.63

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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd



- javaee\_6.xsd
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- web-app\_3\_0.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
- 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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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
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- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
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# 1.64 tomcat-embed-websocket 9.0.60

## 1.64.1 Available under license :

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# 1.65 tiger-types 1.4

## 1.65.1 Available under license :

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link rel="shortcut icon" href="https://opensource.org/files/osi_favicon.png" type="image/png" />
  <meta name="HandheldFriendly" content="true" />
  <link rel="shortlink" href="/node/47" />
```

```

<meta name="Generator" content="Drupal 7 (http://drupal.org)" />
<link rel="canonical" href="/licenses/CDDL-1.0" />
<meta name="MobileOptimized" content="width" />
<title>Common Development and Distribution License (CDDL-1.0) | Open Source Initiative</title>
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_xE-rWrJf-fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_4p37TiWeuzRfdymI_IPgCuu6wEwSDhUquxUkHLI7QnU.css"
media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_MnXiytJtb186Ydyncnpwpw34cuUsHaKc80ey5LiQXhSY.css"
media="all" />
<link type="text/css" rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css"
media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_KGZcOm3i1wmtbgZsjo-3V9FM4wZ-5UDcpJ7Vfzmt45E.css" media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_G9cu63kkDQ56GYuF3QrqJxma5HT-bUVZckUWKUzFCF4.css"
media="all" />

<!--[if (lt IE 9)]>
<link type="text/css" rel="stylesheet" href="https://opensource.org/sites/all/themes/bootstrap-business/css/ie8.css?ol0qr1" media="all" />
<![endif]-->

<!-- HTML5 element support for IE6-8 -->
<!--[if lt IE 9]>
<script src="//html5shiv.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->
<script type="text/javascript" src="//code.jquery.com/jquery-1.10.2.min.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
window.jQuery || document.write("<script
src='/sites/all/modules/jquery_update/replace/jquery/1.10/jquery.min.js'\>\x3C/script>")
//--><![>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_aczm2rRgH_slWBPnvD3KMrK7rwa1i99HOq8IUAb99Co.js"></script>
<script type="text/javascript" src="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
jQuery(document).ready(function($) {
  $(window).scroll(function() {
    if($(this).scrollTop() != 0) {
      $("#toTop").fadeIn();
    } else {
      $("#toTop").fadeOut();
    }
  });
});

```



```

    }
  });

  $("#toTop").click(function() {
    $("body,html").animate({scrollTop:0},800);
  });

});
//--><![ ]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_ruOYJN6FkJU2O5L1dAKVnDloSn5R6LjnLW88zFxS1Uw.js"></script>
<script type="text/javascript" src="https://opensource.org/files/js/js_JQHTvV_SkyFIN3f2BnQwnusF-
eI6tkX8wrKak2siiZU.js"></script>
<script type="text/javascript">
<!--/--><![CDATA[//><!--
jQuery.extend(Drupal.settings,
{"basePath":"","pathPrefix":"","ajaxPageState":{"theme":"bootstrap_business","theme_token":"Qt73Xdx7obPk_s
4eeCH7buQWxzLFf5Um2HpId-Siv9s"},"js":{"\\code.jquery.com\\jquery-
1.10.2.min.js":1,"0":1,"misc\\jquery.once.js":1,"misc\\drupal.js":1,"\\maxcdn.bootstrapcdn.com\\bootstrap\\3.2.0\\js\\
bootstrap.min.js":1,"1":1,"sites\\all\\libraries\\superfish\\jquery.hoverIntent.minified.js":1,"sites\\all\\libraries\\supe
rfish\\sftouchscreen.js":1,"sites\\all\\libraries\\superfish\\sfsmallscreen.js":1,"sites\\all\\libraries\\superfish\\suppositi
on.js":1,"sites\\all\\libraries\\superfish\\superfish.js":1,"sites\\all\\libraries\\superfish\\supersubs.js":1,"sites\\all\\mod
ules\\superfish\\superfish.js":1,"sites\\all\\themes\\bootstrap-
business\\js\\jquery.browser.min.js":1},"css":{"modules\\system\\system.base.css":1,"modules\\system\\system.men
us.css":1,"modules\\system\\system.messages.css":1,"modules\\system\\system.theme.css":1,"modules\\aggregator\\
aggregator.css":1,"modules\\comment\\comment.css":1,"modules\\field\\theme\\field.css":1,"sites\\all\\modules\\mol
lom\\mollom.css":1,"modules\\node\\node.css":1,"modules\\search\\search.css":1,"modules\\user\\user.css":1,"sites\\
all\\modules\\views\\css\\views.css":1,"sites\\all\\modules\\ctools\\css\\ctools.css":1,"\\maxcdn.bootstrapcdn.com\\
bootstrap\\3.2.0\\css\\bootstrap.min.css":1,"sites\\all\\libraries\\superfish\\css\\superfish.css":1,"sites\\all\\themes\\bo
otstrap-business\\css\\style.css":1,"sites\\all\\themes\\bootstrap-
business\\color\\colors.css":1,"sites\\all\\themes\\bootstrap-business\\css\\local.css":1,"sites\\all\\themes\\bootstrap-
business\\css\\ie8.css":1}},urlIsAjaxTrusted":{"\\licenses\\cddl1.php":true},"superfish":{"1":{"id":"1","sf":{"anima
tion":{"opacity":"show","height":"show"},"speed":"\u0027fast\u0027","autoArrows":false,"dropShadows":true,"dis
ableHI":false},"plugins":{"touchscreen":{"mode":"window_width"},"smallscreen":{"mode":"window_width"},"add
Selected":false,"menuClasses":false,"hyperlinkClasses":false,"title":"Navigation"},"supposition":true,"bgiframe":fal
se,"supersubs":{"minWidth":"12","maxWidth":"27","extraWidth":1}}}}});
//--><![ ]>
</script>
</head>
<body class="html not-front not-logged-in no-sidebars page-node page-node- page-node-47 node-type-page" >
<div id="skip-link">
  <a href="#main-content" class="element-invisible element-focusable">Skip to main content</a>
</div>
  <div id="toTop"><span class="glyphicon glyphicon-chevron-up"></span></div>

```

```

<!-- #header-top -->
<div id="header-top" class="clearfix">
  <div class="container">

    <!-- #header-top-inside -->
    <div id="header-top-inside" class="clearfix">
      <div class="row">

        <div class="col-md-8">
          <!-- #header-top-left -->
          <div id="header-top-left" class="clearfix">
            <div class="region region-header-top-left">
              <div id="block-menu-secondary-menu" class="block block-menu clearfix">

                <div class="content">
                  <ul class="menu"><li class="first leaf"><a href="/" title="">Home</a></li>
                  <li class="leaf"><a href="/blog" title="">From the Board</a></li>
                  <li class="leaf"><a href="/contact" title="">Contact</a></li>
                  <li class="last leaf"><a href="/civicrm/contribute/transact?reset=1&id=2" title="">Donate</a></li>
                </ul> </div>
              </div>
            </div>
          <!-- EOF:#header-top-left -->
        </div>

        <div class="col-md-4">
          <!-- #header-top-right -->
          <div id="header-top-right" class="clearfix">
            <div class="region region-header-top-right">
              <div id="block-search-form" class="block block-search clearfix">

                <div class="content">
                  <form action="/licenses/cddl1.php" method="post" id="search-block-form" accept-charset="UTF-8"><div><div
                  class="container-inline">
                    <h2 class="element-invisible">Search form</h2>
                    <div class="form-item form-type-textfield form-item-search-block-form">
                      <input onblur="if (this.value == &#039;&#039;) { this.value = &#039;Search this website...&#039;;}" onfocus="if
                      (this.value == &#039;Search this website...&#039;) { this.value = &#039;&#039;;}" type="text" id="edit-search-
                      block-form--2" name="search_block_form" value="Search this website..." size="15" maxlength="128"
                      class="form-text" />
                    </div>
                    <div class="form-actions form-wrapper" id="edit-actions"><input value="" type="submit" id="edit-submit"
                    name="op" class="form-submit" /></div><input type="hidden" name="form_build_id" value="form-
                    bHQObyvdpYpP9q-Fw-RUMqMbj_-M2JMQxkrV017VnrI" />
                    <input type="hidden" name="form_id" value="search_block_form" />
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

</div>
</div></form> </div>
</div>
</div>
    </div>
    <!-- EOF:#header-top-right -->
</div>

    </div>
</div>
<!-- EOF: #header-top-inside -->

</div>
</div>
<!-- EOF: #header-top -->

<!-- header -->
<header id="header" role="banner" class="clearfix">
  <div class="container">

    <!-- #header-inside -->
    <div id="header-inside" class="clearfix">
      <div class="row">
        <div class="col-md-8">

          <div id="logo">
            <a href="/" title="Home" rel="home">  </a>
          </div>

          <div id="site-name">
            <a href="/" title="Home">Open Source Initiative</a>
          </div>

        </div>

        <div class="col-md-4">

          </div>
        </div>
      </div>
    </div>
  </div>
<!-- EOF: #header-inside -->

</div>
</header>
<!-- EOF: #header -->

```

```

<!-- #main-navigation -->
<div id="main-navigation" class="clearfix">
  <div class="container">

    <!-- #main-navigation-inside -->
    <div id="main-navigation-inside" class="clearfix">
      <div class="row">
        <div class="col-md-12">
          <nav role="navigation">
            <div class="region region-navigation">
<div id="block-superfish-1" class="block block-superfish clearfix">

<div class="content">
  <ul id="superfish-1" class="menu sf-menu sf-navigation sf-horizontal sf-style-none sf-total-items-6 sf-parent-
items-6 sf-single-items-0"><li id="menu-37-1" class="first odd sf-item-1 sf-depth-1 sf-total-children-4 sf-parent-
children-2 sf-single-children-2 menuparent"><a href="/about" title="About the Open Source Initiative" class="sf-
depth-1 menuparent">About</a><ul><li id="menu-75-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a
href="/history" title="History of the OSI" class="sf-depth-2">History</a></li><li id="menu-82-1" class="middle
even sf-item-2 sf-depth-2 sf-total-children-7 sf-parent-children-0 sf-single-children-7 menuparent"><a
href="/board" title="Board of Directors" class="sf-depth-2 menuparent">Board</a><ul><li id="menu-83-1"
class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/docs/board-annotated" title="OSI Board -- With
Annotations" class="sf-depth-3">Board - Annotated</a></li><li id="menu-96-1" class="middle even sf-item-2 sf-
depth-3 sf-no-children"><a href="/minutes" title="Public Minutes of Board Meetings" class="sf-depth-
3">Minutes</a></li><li id="menu-185-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a
href="/organization" title="These portfolios represent the activities of the current OSI board." class="sf-depth-
3">Organization & Operations</a></li><li id="menu-95-1" class="middle even sf-item-4 sf-depth-3 sf-no-
children"><a href="/articles-of-incorporation" title="OSI incorporation record" class="sf-depth-3">Articles of
Incorporation</a></li><li id="menu-1475-1" class="middle odd sf-item-5 sf-depth-3 sf-no-children"><a
href="/elections" class="sf-depth-3">Board Elections</a></li><li id="menu-84-1" class="middle even sf-item-6 sf-
depth-3 sf-no-children"><a href="/bylaws" title="Bylaws of the Open Source Initiative" class="sf-depth-
3">Bylaws</a></li><li id="menu-1317-1" class="last odd sf-item-7 sf-depth-3 sf-no-children"><a
href="/conflict_of_interest_policy" title="" class="sf-depth-3">Conflict of Interest</a></li></ul></li><li id="menu-
1843-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2
menuparent"><a href="/trademark" title="" class="sf-depth-2 menuparent">Trademark & Logo</a><ul><li
id="menu-184-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/trademark-guidelines"
title="OSI's Trademark Policy" class="sf-depth-3">Trademark Guidelines</a></li><li id="menu-183-1"
class="last even sf-item-2 sf-depth-3 sf-no-children"><a href="/logo-usage-guidelines" title="Guidelines for
appearance and usage of OSI Logo" class="sf-depth-3">Logo Guidelines</a></li></ul></li><li id="menu-126-1"
class="last even sf-item-4 sf-depth-2 sf-no-children"><a href="/ToS" title="Rules for posting content on this site"
class="sf-depth-2">Terms of Service</a></li></ul></li><li id="menu-65-1" class="middle even sf-item-2 sf-depth-
1 sf-total-children-5 sf-parent-children-3 sf-single-children-2 menuparent"><a href="/licenses" class="sf-depth-1
menuparent">Licenses</a><ul><li id="menu-61-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-
parent-children-0 sf-single-children-1 menuparent"><a href="/osd" title="The actual OSD defining what constitutes
an Open Source licence" class="sf-depth-2 menuparent">Open Source Definition</a><ul><li id="menu-62-1"
class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children"><a href="/osd-annotated" title="The OSD with
explanationations and rationale interspersed." class="sf-depth-3">OSD - Annotated</a></li></ul></li><li id="menu-

```

77-1" class="middle even sf-item-2 sf-depth-2 sf-no-children"><a href="/licenses/category" title="Licenses by Category" class="sf-depth-2">Licenses by Category</a></li><li id="menu-72-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children"><a href="/licenses/alphabetical" title="Licenses that are approved by the OSI as conforming to the OSD" class="sf-depth-2">Licenses by Name</a></li><li id="menu-66-1" class="middle even sf-item-4 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent"><a href="/approval" title="Certifying licences as OSD-compliant" class="sf-depth-2 menuparent">License Review Process</a><ul><li id="menu-67-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/proliferation" title="Supporting choice while maintaining sanity" class="sf-depth-3">Licence Proliferation</a></li><li id="menu-69-1" class="last even sf-item-2 sf-depth-3 sf-no-children"><a href="/proliferation-report" title="License Proliferation Committee's report to the OSI Board" class="sf-depth-3">LP report to the Board</a></li></ul></li><li id="menu-99-1" class="last odd sf-item-5 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent"><a href="/osr-intro" title="Open Standards Requirement for Software" class="sf-depth-2 menuparent">Open Standards</a><ul><li id="menu-101-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/osr" title="An "open standard" must not prohibit conforming implementations in open source software." class="sf-depth-3">The Open Standards Requirement</a></li><li id="menu-102-1" class="middle even sf-item-2 sf-depth-3 sf-no-children"><a href="/osr-compliance" class="sf-depth-3">Open Standards Requirement Compliance</a></li><li id="menu-100-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a href="/osr-rationale" class="sf-depth-3">Open Standards Requirement Rationale</a></li><li id="menu-103-1" class="last even sf-item-4 sf-depth-3 sf-no-children"><a href="/osr-faq" title="Frequently asked questions about the Open Standards Requirement" class="sf-depth-3">OSR Frequently Asked Questions</a></li></ul></li><li id="menu-1842-1" class="middle odd sf-item-3 sf-depth-1 sf-total-children-3 sf-parent-children-2 sf-single-children-1 menuparent"><a href="/membership" title="Page for our various membership programs" class="sf-depth-1 menuparent">Membership</a><ul><li id="menu-914-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent"><a href="/members" class="sf-depth-2 menuparent">Individuals</a><ul><li id="menu-897-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children"><a href="/civicrm/contribute/transact?reset=1&id=1" title="" class="sf-depth-3">Join</a></li></ul></li><li id="menu-675-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-3 sf-parent-children-0 sf-single-children-3 menuparent"><a href="/affiliates" title="Home page for OSI's membership scheme for non-profits and not-for-profits" class="sf-depth-2 menuparent">Affiliates</a><ul><li id="menu-676-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/affiliates/about" title="" class="sf-depth-3">Become an Affiliate</a></li><li id="menu-677-1" class="middle even sf-item-2 sf-depth-3 sf-no-children"><a href="/affiliates/list" title="Full list of non-profits and not-for-profits affiliated to OSI" class="sf-depth-3">List of Affiliates</a></li><li id="menu-2071-1" class="last odd sf-item-3 sf-depth-3 sf-no-children"><a href="/AffiliateRequirements" class="sf-depth-3">Affiliate Criteria</a></li></ul></li><li id="menu-1436-1" class="last odd sf-item-3 sf-depth-2 sf-no-children"><a href="/sponsors" class="sf-depth-2">Sponsors & Support</a></li></ul></li><li id="menu-1841-1" class="middle even sf-item-4 sf-depth-1 sf-total-children-4 sf-parent-children-1 sf-single-children-3 menuparent"><a href="/community" title="Page for our various community members." class="sf-depth-1 menuparent">Community</a><ul><li id="menu-63-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent"><a href="/lists" title="The virtual committees where the OSI's work gets done" class="sf-depth-2 menuparent">Mailing lists</a><ul><li id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/codeofconduct" title="Guidelines for OSI Mailing Lists" class="sf-depth-3">General Code of Conduct</a></li><li id="menu-1072-1" class="middle even sf-item-2 sf-depth-3 sf-no-children"><a href="/codeofconduct/licensing" class="sf-depth-3">Licensing Code of Conduct</a></li><li id="menu-2111-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a href="/public\_forums\_disclaimer" class="sf-depth-3">Disclaimer for OSI Public Forums</a></li><li id="menu-2110-1" class="last even sf-item-4 sf-depth-3 sf-no-children"><a href="/public\_archives\_policy" class="sf-depth-3">Policy on Public Communications and Archives</a></li></ul></li><li id="menu-2032-1" class="middle even sf-item-2 sf-depth-2 sf-no-children"><a href="/volunteers" class="sf-depth-2">Volunteers</a></li><li id="menu-

1846-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children"><a href="http://wiki.opensource.org" title="" class="sf-depth-2">Wiki</a></li><li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children"><a href="/store" class="sf-depth-2">OSI Store</a></li></ul></li><li id="menu-1840-1" class="middle odd sf-item-5 sf-depth-1 sf-total-children-5 sf-parent-children-1 sf-single-children-4 menuparent"><a href="/resources" title="Page offering resources to OSI personas" class="sf-depth-1 menuparent">Resources</a><ul><li id="menu-342-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a href="/faq" title="Frequently Asked Questions about open source and about the OSI." class="sf-depth-2">FAQ</a></li><li id="menu-38-1" class="middle even sf-item-2 sf-depth-2 sf-no-children"><a href="/blog" title="A group blog / aggregation point for OSI Board Member blogs" class="sf-depth-2">OSI Board Blog</a></li><li id="menu-45-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent"><a href="/help" title="Resources for questions and further exploration" class="sf-depth-2 menuparent">Getting Help</a><ul><li id="menu-76-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/links" title="Links and References to Open Source" class="sf-depth-3">Bibliography</a></li><li id="menu-125-1" class="last even sf-item-2 sf-depth-3 sf-no-children"><a href="/advocacy/case\_for\_business.php" title="How to advocate Open Source to businesses" class="sf-depth-3">Open Source Case for Business</a></li></ul></li><li id="menu-1514-1" class="middle even sf-item-4 sf-depth-2 sf-no-children"><a href="/working\_groups" class="sf-depth-2">Working Groups</a></li><li id="menu-12-1" class="last odd sf-item-5 sf-depth-2 sf-no-children"><a href="/osi-open-source-education" title="OSI's Open Source Education Initiative and Activities" class="sf-depth-2">Open Source Education</a></li></ul></li><li id="menu-1844-1" class="last even sf-item-6 sf-depth-1 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent"><a href="/news" title="Page dedicated to the latest news and events." class="sf-depth-1 menuparent">News & Events</a><ul><li id="menu-1845-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a href="/newsletters" title="Index of newsletters" class="sf-depth-2">Newsletters</a></li><li id="menu-1999-1" class="last even sf-item-2 sf-depth-2 sf-no-children"><a href="/events" class="sf-depth-2">Events</a></li></ul></li></ul> </div>

</div>

</div>

</nav>

</div>

</div>

</div>

<!-- EOF: #main-navigation-inside -->

</div>

</div>

<!-- EOF: #main-navigation -->

<!-- #page -->

<div id="page" class="clearfix">

<!-- #main-content -->

<div id="main-content">

<div class="container">

<!-- #messages-console -->

<!-- EOF: #messages-console -->

```
<div class="row">
```

```
<section class="col-md-12">
```

```
<!-- #main -->
```

```
<div id="main" class="clearfix">
```

```
<!-- EOF:#content-wrapper -->
```

```
<div id="content-wrapper">
```

```
<h1 class="page-title">Common Development and Distribution
```

```
License (CDDL-1.0)</h1>
```

```
<!-- #tabs -->
```

```
<div class="tabs">
```

```
</div>
```

```
<!-- EOF: #tabs -->
```

```
<!-- #action links -->
```

```
<!-- EOF: #action links -->
```

```
<div class="region region-content">
```

```
<div id="block-system-main" class="block block-system clearfix">
```

```
<div class="content">
```

```
<article id="node-47" class="node node-page clearfix">
```

```
<div class="content">
```

```
<div class="field field-name-body field-type-text-with-summary field-label-hidden"><div class="field-items"><div class="field-item even"><div align="right">
```

```
<button onclick="myFunction()">Further resources on <b>CDDL-1.0</b></button>
```

```
<p id="demo"></p>
```

```
<script>
```

```
<!--/--><![CDATA[// ><!--
```

```
function myFunction() {
```

```
  var x;
```

```
  if (confirm("Disclaimer: While the OSI acknowledges these as potentially helpful resources for the community, it does not endorse any content, contributors or license interpretations from these websites. Any links to these
```

resources across opensource.org are solely for navigational purposes. The OSI does not promote or exclusively favor any of the mentioned resources, but instead provides them as separate third-party resource to help inform your opinion. Any content from or links to these resources are separate from the OSI, exist for purely informational purposes and creates no attorney-client relationship between you, the OSI or the resources. If you have questions about how licenses apply to you or your organization, you should seek legal advice. ") == true) {

```
    x = "<br><p>The following are other community resources that may be helpful:<br><br><a href=https://tldrlegal.com/license/common-development-and-distribution-license-%28cddl-1.0%29-explained style='font-weight: bold;'>Common Development and Distribution License (CDDL-1.0) on TLDRLegal<br><a href=http://www.gnu.org/licenses/license-list.en.html>GNU License List<br><a href=https://en.wikipedia.org/wiki/Comparison_of_free_and_open-source_software_licenses>Wikipedia License List<br><a href=http://oss-watch.ac.uk/apps/licdiff/>OSSWatch License Diff<br><a href=choosealicense.com>Choosealicense";
```

```
    } else {
        x = " ";
    }
    document.getElementById("demo").innerHTML = x;
}
```

```
//--><![]]>
</script></div>
```

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**Version 1.0 (CDDL-1.0)**

([text](cddl1.txt))

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</li></ul></div></div></div> </div>

</article> </div>  
</div>  
</div>



```

        </div>
        <!-- EOF:#content-wrapper -->

    </div>
    <!-- EOF:#main -->

</section>

</div>

</div>
</div>
<!-- EOF:#main-content -->

</div>
<!-- EOF:#page -->

<footer id="subfooter" class="clearfix">
    <div class="container">

        <!-- #subfooter-inside -->
        <div id="subfooter-inside" class="clearfix">
            <div class="row">
                <div class="col-md-12">
                    <!-- #subfooter-left -->
                    <div class="subfooter-area">

                        <div class="region region-footer">
                            <div id="block-block-11" class="block block-block clearfix">

                                <div class="content">
                                    <div class="filler" style="vertical-align: middle; display: inline-block;">
                                        <p style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;">
                                        <a href="https://twitter.com/OpenSourceOrg" style="margin: 0pt auto; display: table-cell; text-align: center;
                                        vertical-align: middle;"></a>

                                        <a href="https://plus.google.com/+opensourceinitiative" style="margin: 0pt auto; display: table-cell; text-align:
                                        center; vertical-align: middle;"></a>

                                        <a href="https://www.linkedin.com/company/open-source-initiative-osi-" style="margin: 0pt auto; display: table-

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cell; text-align: center; vertical-align: middle;"></a>

<a href="http://wiki.opensource.org" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;"></a>

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```
<script id="fbwiuwz">
<!--><![CDATA[// ><!--
(function(i){var
f,s=document.getElementById(i);f=document.createElement('iframe');f.src="//api.flattr.com/button/view/?uid=osi&u
rl=http%3A%2F%2Fopensource.org';f.title='Flattr';f.height=70;f.width=70;f.style.borderWidth=0;s.parentNode.inse
rtBefore(f,s;)}('fbwiuwz');
//--><![ ]>
</script></p>
</div>
```

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</p>

<p>

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</p>

</div>

</div>

</div>

<div id="block-block-7" class="block block-block clearfix">

<div class="content">

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<!--><![CDATA[// ><!--

//--><![ ]>

</script><script type="text/javascript">

<!--><![CDATA[// ><!--

\_uacct = "UA-3916956-1";

urchinTracker();

//--><![ ]>

```

</script> </div>
</div>
</div>

    </div>
    <!-- EOF: #subfooter-left -->
</div>
</div>
</div>
<!-- EOF: #subfooter-inside -->

</div>
</footer>
<!-- EOF:#subfooter -->
</body>
</html>

```

## 1.66 Idap-c-sdk 6.0.7

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# 1.67 tomcat-catalina-ant 9.0.63

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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
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- web-app\_3\_0.xsd
- web-common\_3\_0.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
- 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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- web-common\_3\_0.xsd
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- 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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## 1.70 commons-codec 1.3

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## 1.72 istack-commons 3.0.5

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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.common-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.strea  
m,org.xml.sax,org.xml.sax.helpers";version="3.0.5",com.sun.istack.log  
ging;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

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## 1.73 tomcat-storeconfig 9.0.63

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## 1.74 jaxb-core 2.3.0

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\* /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  
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jar/com/sun/xml/bind/v2/model/util/ArrayInfoUtil.java

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# 1.79 jackson-datatype-jsr310 2.13.2

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# 1.80 flexnet-publisher 11.10.0.0

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#The following demo line has these properties:

```
# It expires on 1-jan-1999
# It's uncounted, and therefore requires no server (no
# Imgrd needed)
# It will run on any node.
```

```
FEATURE f1 demo 1.000 01-jan-1999 uncounted 0 HOSTID=DEMO
```

```
# The next demo line is just like the first, but will not
# expire. This is ONLY useful if your application gets the
# CONFIG * struct for this FEATURE line, and determines that
# it's a DEMO type HOSTID, and uses this fact to limit the
# behavior of the application to "demonstration" functions
# only.
```

```
FEATURE f2 demo 1.000 01-jan-0 uncounted 0 HOSTID=DEMO
```

```
# Users can change "this_host" to the real hostname, but
# they cannot change the hostid (ANY). In practice,
# you'll probably want to use a real hostid
```

```
SERVER this_host ANY
```

```
#Put your DAEMON name here.
```

```
DAEMON demo
```

##### FEATURE LINES #####

#Floating, unexpiring, counted  
#FEATURE name: f1  
#VERSION: 1.000  
#Expiration: never  
#Users: 4 concurrent users

FEATURE f1 demo 1.000 permanent 4 0

#Floating, expiring, counted  
#FEATURE name: f1  
#VERSION: 1.000  
#Expiration: 1-jan-1999  
#Users: 4 concurrent users

FEATURE f2 demo 1.000 01-jan-1999 4 0

#Floating, expiring, counted, Incremental  
# Same as previous, but will ADD 1 user to an existing file.

INCREMENT f2 demo 1.000 01-jan-1999 1 0

##### Example 1 #####

#Suite, containing 2 components. In this example, if you checkout  
# "comp1", a license for "suite" is also checked out.

PACKAGE suite demo 1.000 0 COMPONENTS="comp1 comp2 comp3 comp4" OPTIONS=SUITE

#A sample accompanying license file that would enable "suite",  
# giving the end-user 2 uses each of comp1, comp2, comp3 comp4

SERVER this\_host 08002b32b161

DAEMON demo

FEATURE suite demo 1.000 permanent 2 0

##### Example 2 #####

#Without OPTIONS=SUITE, the PACKAGE line is a convenience tool for  
# distribution. If you checkout a component, the enabling  
# feature is NOT also checked out.

PACKAGE products demo 1.000 0 COMPONENTS="f1 f2 f3 f4" OPTIONS=SUITE

#The vendor can now ship this node-locked, uncounted to 4 nodes with  
# the following license file:

FEATURE products demo 1.000 permanent uncounted 0 VENDOR\_STRING="1" \  
HOSTID="1 2 3 4"

```

#SERVER runs on hostid 12345678
# Users can change the hostname and port number, but
# Not the hostid

SERVER this_host 12345678

#Put your DAEMON name here. Users can change the path to the daemon

DAEMON demo

##### FEATURE LINES #####

#Counted, node-locked
#FEATURE names: f1, f2 and f3
#VERSION: 1.000
#Expiration: never (that's because the year in the date is '0')
#Users: 9 concurrent users
#Node-locked: hostid abc. All 9

FEATURE f1 demo 1.000 permanent 9 0 HOSTID=abc ck=0
FEATURE f2 demo 1.000 permanent 9 0 HOSTID=abc ck=0
FEATURE f3 demo 1.000 permanent 9 0 HOSTID=abc ck=0

#5 more for HOSTID def

INCREMENT f1 demo 1.000 permanent 5 0 HOSTID=def
INCREMENT f2 demo 1.000 permanent 5 0 HOSTID=def
INCREMENT f3 demo 1.000 permanent 5 0 HOSTID=def

#uncounted (unlimited use) for HOSTID 123
#A server is not needed for the following 3 lines.

FEATURE f4 demo 1.000 01-jan-0 uncounted 0 HOSTID=123
FEATURE f5 demo 1.000 01-jan-0 uncounted 0 HOSTID=123
FEATURE f6 demo 1.000 01-jan-0 uncounted 0 HOSTID=123
SERVER this_host any
DAEMON demo
# The purpose of this file is to illustrate optional extensions to
# a license file.

# Floating, unexpiring, counted
# FEATURE name: f1
# VERSION: 1.000
# Expiration: never
# Users: 9 concurrent users
# LINGER

FEATURE f1 demo 1.000 permanent 9 0

```

```
# Floating, expiring, counted
# FEATURE name: f1
# VERSION: 1.000
# Expiration: 1-jan-1999
# Users: 9 concurrent users
```

```
FEATURE f2 demo 1.000 01-jan-1999 9 0
```

```
# Floating, expiring, counted, Incremental
#Same as previous, but will ADD 9 users to an existing file.
```

```
INCREMENT f2 demo 1.000 01-jan-1999 9 0
```

## 1.81 c-ares 1.18.1

### 1.81.1 Available under license :

```
# c-ares license
```

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## 1.82 net-snmp 5.9

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## 1.86 json-simple 1.1.1

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# 1.88 hdrhistogram 2.1.12

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jar/org/HdrHistogram/WriterReaderPhaser.java
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jar/org/HdrHistogram/DoublePercentileIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/ZigZagEncoding.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/AllValuesIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/Base64Helper.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/IntCountsHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/DoubleLinearIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/PackedConcurrentDoubleHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/SynchronizedHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/packedarray/PackedArraySingleWriterRecorder.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/Histogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-  
jar/org/HdrHistogram/LogarithmicIterator.java
```

\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/Version.java  
\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/RecordedValuesIterator.java  
\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/LinearIterator.java  
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\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/AtomicHistogram.java  
\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/HistogramIterationValue.java  
\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/Recorder.java  
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\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/HistogramLogReader.java  
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\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/SingleWriterRecorder.java  
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\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-

jar/org/HdrHistogram/HistogramLogScanner.java

\* /opt/cola/permits/1257203437\_1642787675.09/0/hdrhistogram-2-1-12-sources-

jar/org/HdrHistogram/packedarray/PackedArrayRecorder.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\$";

}

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### 2.13.2

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# 1.103 spring-web-mvc 5.3.18

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Other developers who have contributed code are:

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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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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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## 1.108 commons-logging 1.1.1

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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
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- 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
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
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\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contributions for

\* bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to  
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)

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ParameterizedSingleTypeReference.java  
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\* Jesper S Moller - Contributions for  
\* 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/AttributeNamesConstants.java  
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*   tyeung@bea.com - initial API and implementation
*   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/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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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 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly
*****/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathSourceJar.java

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\* Stephan Herrmann - Contribution for

\* 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ForeachStatement.java

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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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jar/org/eclipse/jdt/internal/compiler/ClassFilePool.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchAnnotationProcessorManager.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/apt/model/ElementImpl.java  
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*   Stephan Herrmann - contributions for
*       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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*   Stephan Herrmann - Contribution for
*       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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\* 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 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.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 - Contributions for  
Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped
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\* 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 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
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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 ternary 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 serializable lambdas
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for
- \* Bug 559618 - No compiler warning for import from same package
- \* Bug 560630 - No warning on unused import on class from same package

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- \* Stephan Herrmann - Contributions for
  - \* 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
  - \* Bug 467032 - TYPE\_USE Null Annotations: IllegalStateException with annotated arrays of Enum when accessed via BinaryTypeBinding
- \*\*\*\*\*/

Found in path(s):

\*/opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedReferenceBinding.java  
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  - \* Stephan Herrmann - Contribution for
  - \* 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
- \*\*\*\*\*/

Found in path(s):

\*/opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Javadoc.java  
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\* Bug 407191 - [1.8] Binary access support for type annotations

\*\*\*\*\*

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfoWithTypeAnnotations.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 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/RawTypeBinding.java  
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jar/org/eclipse/jdt/internal/compiler/apt/model/ElementTypeElement.java  
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*   Bug 407191 - [1.8] Binary access support for type annotations
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```

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jar/org/eclipse/jdt/internal/compiler/env/IBinaryTypeAnnotation.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/classfmt/FieldInfoWithTypeAnnotation.java
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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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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/codegen/Opcodes.java
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jar/org/eclipse/jdt/core/compiler/CompilationProgress.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredAnnotation.java  
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\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables  
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jar/org/eclipse/jdt/internal/compiler/lookup/VoidTypeBinding.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contribution for bug 185682 - Increment/decrement operators

mark local variables as read

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationMethodInfo.java

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jar/org/eclipse/jdt/internal/compiler/lookup/SplitPackageBinding.java  
*/opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-  
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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 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 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] 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 424727 - [compiler][null] NullPointerException in  
nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)
- \* 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 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.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 LamdaExpression.analyseCode with lamda 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/AbstractCommentParser.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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\* Bug 473178

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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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\* 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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\* 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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticMethodBinding.java

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\* Stephan Herrmann - Contribution for

\* 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

\* 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 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CodeStream.java

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\* Carmi Grushko - Bug 465048 - Binding is null for class literals in synchronized blocks

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/BooleanConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocArgumentExpression.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/DoubleConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CharConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/StringConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ByteConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/IntConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/FloatConstant.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/LongConstant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/Constant.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObject.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRuleSet.java

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\* 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ArrayReference.java

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*     Bug 473178
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*     Bug 458396 - NPE in CodeStream.invoke()
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- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredLocalVariable.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblemFactory.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Receiver.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CompilerStats.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/InsideSubRoutineFlowContext.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/JDTCompilerAdapter.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ReferenceContext.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IErrorHandlingPolicy.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/GenericXMLWriter.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/DefaultErrorHandlingPolicies.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedAnnotationBinding.java

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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 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 - 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 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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\*     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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\* Jesper S Moller - Contributions for  
\*     Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
\*     Frits Jalvingh - contributions for bug 533830.  
\* Red Hat Inc. - add module-info Javadoc support

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\* 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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\* Bug 440687 - [compiler][batch][null] improve command line option for external annotations  
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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  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-

jar/org/eclipse/jdt/internal/compiler/ast/QualifiedNameReference.java

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\* Stephan Herrmann - Contribution for

\* 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.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

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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 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ConstructorDeclaration.java  
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*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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\* 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.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

\*\*\*\*\*  
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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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 *     bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
 */
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  - \* bug 383368 - [compiler][null] syntactic null analysis for field references
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/NullLiteral.java

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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 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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\* Contributors:  
\* tyeung@bea.com - initial API and implementation  
\* IBM Corporation - fix for bug 342757  
\* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking  
\*\*\*\*\*/

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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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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/apt/util/EclipseFileManager.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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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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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/flow/FinallyFlowContext.java
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- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CaseStatement.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocAllocationExpression.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/BranchStatement.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFormatException.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredStatement.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/CategorizedProblem.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ParserBasicInformation.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfPackage.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemPackageBinding.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/DiagnoseParser.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ConflictedParser.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocMessageSend.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedTypeReference.java
- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/TerminalTokens.java

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jar/org/eclipse/jdt/internal/compiler/apt/model/TypeMirrorImpl.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/apt/model/PrimitiveTypeImpl.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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*   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)  
\* 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/AnnotationTargetTypeConstants.java  
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\* 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/LookupEnvironment.java

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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] 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 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TypeVariableBinding.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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*     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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*     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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```
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*     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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*     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

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- \* 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

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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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*   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
*****/

```

Found in path(s):

```

* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/FieldReference.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 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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/TypeAnnotationCodeStream.java

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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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*   Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
*   Jesper S Moller -. Contribution for bug 400830: [1.8][formatter] Code formatter for Java 8
*****/

```

Found in path(s):

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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*     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] 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 426078 - [1.8] VerifyError when conditional expression passed as an argument
*     Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
*     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
*****/

```

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```

* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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\* bug 407191 - [1.8] Binary access support for type annotations  
\* Stephan Herrmann - Contribution for  
\* Bug 440474 - [null] textual encoding of external null annotations  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryType.java

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\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveryScannerData.java  
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jar/org/eclipse/jdt/internal/compiler/parser/RecoveredUnit.java  
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jar/org/eclipse/jdt/internal/compiler/env/ICompilationUnit.java  
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredElement.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/ClassLiteralAccess.java  
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jar/org/eclipse/jdt/internal/compiler/env/INameEnvironment.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/env/NameEnvironmentAnswer.java

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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 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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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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- \* 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 - [18.3] 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/ProblemFieldBinding.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/StringLiteralConcatenation.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/codegen/LongCache.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/SimpleSet.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/CharLiteral.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/SubRoutineStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/env/AccessRule.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/IDebugRequestor.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-

jar/org/eclipse/jdt/internal/compiler/env/IDependent.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/problem/AbortType.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/PostfixExpression.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfLong.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfIntValues.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/env/ISourceImport.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/IProblemFactory.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToIntArray.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToInt.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/MagicLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedFieldBinding.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/FalseLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/SimpleLookupTable.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/InnerEmulationDependency.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfType.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/env/AccessRestriction.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/ProblemBinding.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/OperatorIds.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/JavadocSingleNameReference.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/codegen/Label.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/codegen/CaseLabel.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/problem/ShouldNotImplement.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/codegen/ObjectCache.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/JavadocArrayQualifiedTypeReference.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-



jar/org/eclipse/jdt/internal/compiler/ast/PrefixExpression.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticArgumentBinding.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredImport.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/ImportConflictBinding.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/ExtendedStringLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ICompilerRequestor.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileStruct.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/parser/diagnose/RangeUtil.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/JavadocReturnStatement.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilation.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilationUnit.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticFieldBinding.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/codegen/IntegerCache.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/antadapter/AntAdapterMessages.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/codegen/FloatCache.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/problem/AbortMethod.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/TrueLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/AnnotationHolder.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfInt.java  
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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  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileConstants.java  
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\* IBM Corporation - initial API and implementation  
\* Perry James - nullStatus method improvement (165346)  
\* Stephan Herrmann - Contribution for  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/OperatorExpression.java  
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- \* Stephan Herrmann - Contributions for
  - bug 319201 - [null] no warning when unboxing SimpleNameReference 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 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.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 - Contributions for
  - Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

\*\*\*\*\*/

Found in path(s):

- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExplicitConstructorCall.java

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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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Clinit.java

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\* Kenneth Olson - initial API and implementation

\* Dennis Hendriks - initial API and implementation

\* IBM Corporation - Contribution for bug 188796

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathJsr199.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CharArrayCache.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashSetOfInt.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/BranchLabel.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/VerificationTypeInfo.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/InvalidInputException.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/ObjectVector.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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfo.java

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\* Stephan Herrmann - Contribution for  
\* 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedThisReference.java  
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\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintFormula.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintExceptionFormula.java  
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticFactoryMethodBinding.java

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*   Stephan Herrmann - Contributions for
*     bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to
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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Found in path(s):

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/ParameterizedQualifiedTypeReference.java

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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 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/IrritantSet.java

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\* Kenneth Olson - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ

\* Dennis Hendriks - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ

\* Frits Jalvingh - fix for bug 533830.

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompilerImpl.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 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
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MethodVerifier15.java

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\* 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 varargs
- \* 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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TypeReference.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TextBlock.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ComponentInfoWithTypeAnnotation.java  
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\*Contributors:  
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\* Stephan Herrmann - Contribution for  
\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
\*\*\*\*\*/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/InferenceFailureException.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ReductionResult.java

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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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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
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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 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.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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\* IBM Corporation - Fix for bug 341494  
\* IBM Corporation - Fix for bug 328575  
\* IBM Corporation - Java 8 support

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* philippe.marschall@netcetera.ch - Fix for 338370  
* IBM Corporation - Fix for validating relative name  
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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 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
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\* Bug 467482 - TYPE\_USE null annotations: Incorrect "Redundant null check"-warning  
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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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\* bug 331649 - [compiler][null] consider null annotations for fields

\* 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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\* bug 319201 - [null] no warning when unboxing SimpleNameReference 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.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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ReturnStatement.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/Util.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/ArchiveFileObject.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/Archive.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/Options.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/ArchiveFileObject.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/Util.java

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\* 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TryStatement.java

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- \* Stephan Herrmann - Contribution for
  - \* 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

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ArrayBinding.java

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- \* het@google.com - Bug 441790

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/AnnotationMirrorImpl.java

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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
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/UnconditionalFlowInfo.java

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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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/ConstantPool.java

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\* 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-

jar/org/eclipse/jdt/internal/compiler/lookup/BlockScope.java

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- \* 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/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/core/compiler/IProblem.java

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  - \* Frits Jalvingh - fix for bug 533830.
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 \* Contributors:  
 \* 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.eclipse.jdt.internal.compiler.apt.model.Factory.getPrimitiveType does not throw IllegalArgumentException  
 \*\*\*\*\*/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/Factory.java  
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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] Massage 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

\*\*\*\*\*/



Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Annotation.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredRequiresStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleReference.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExportsStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredExportsStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredOpensStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ModuleStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredPackageVisibilityStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredProvidesStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredUsesStatement.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredExport.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredTypeReference.java

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jar/org/eclipse/jdt/internal/compiler/util/Sorting.java
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* het@google.com - Bug 441790  
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jar/org/eclipse/jdt/internal/compiler/apt/model/AnnotationValueImpl.java
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jar/org/eclipse/jdt/internal/compiler/apt/model/PackageElementImpl.java
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*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*   Bug 407191 - [1.8] Binary access support for type annotations
*****/
```

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryField.java

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\* Stephan Herrmann - Contribution for

\* 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

\*\*\*\*\*/

Found in path(s):

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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  
 \*

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Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TypeBinding.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SortedSimpleNameVector.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SortedCharArrays.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] 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 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
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Argument.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 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
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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] 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 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.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 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 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
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jar/org/eclipse/jdt/internal/compiler/ast/ModuleReference.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModule.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/PackageVisibilityStatement.java

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\* Stephan Herrmann - Contribution for  
\* Bug 428811 - [1.8][compiler] Type witness unnecessarily required  
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/PolyTypeBinding.java  
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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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/FieldBinding.java  
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/SwitchExpression.java

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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 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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- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedTypeBinding.java

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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 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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 \* 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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- \* 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] 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 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"

\* Bug 427438 - [1.8][compiler] NPE at

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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Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Expression.java

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\* Contributors:

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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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\* 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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*     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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* Contributors:
*   wharley@bea.com - initial API and implementation
*   IBM Corporation - fix for 342598
*****/
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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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\* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.  
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\* David Foerster - patch for toUpperCase as described in [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=153125](https://bugs.eclipse.org/bugs/show_bug.cgi?id=153125)  
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/UsesStatement.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/PackageExportImpl.java  
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\* Stephan Herrmann - Contribution for  
\* 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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Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/InstanceOfExpression.java

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\* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations

\* 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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\* 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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\* Jesper S Moller - Contributions for

\* 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.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ReferenceExpression.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 434570 - Generic type mismatch for parametrized class annotation attribute with inner class

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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
  - \* Alexander Lehmann - Contributions for
    - bug 566258 - Intermittent NPE in APT RoundDispatcher
- \*\*\*\*\*/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryNestedType.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericMethod.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericType.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericField.java

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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
- \* 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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\* 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

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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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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/Substitution.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/CompilationUnit.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblem.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LabeledStatement.java

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\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178  
\* IBM Corporation - Bug fixes  
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- \* 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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\* 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

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileReader.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/JavadocParser.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ImportBinding.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceType.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/JavadocTagConstants.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ImportReference.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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ClassSignature.java

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- \* Walter Harley - Patch for ensuring the parent folders are created

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- \* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseFileObject.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/IntLiteralMinValue.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/DoubleLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/NumberLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/InferenceContext.java  
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jar/org/eclipse/jdt/internal/compiler/ast/LongLiteralMinValue.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/FloatLiteral.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/ast/IntLiteral.java  
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- \* 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.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- \* 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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\* 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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
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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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\* 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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\* 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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- \* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
  - \* 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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\* wharley@bea.com - derived base class from BatchMessengerImpl  
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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.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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\* 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 452788 - [1.8][compiler] Type not correctly inferred in lambda expression  
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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 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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/BaseTypeBinding.java

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*   Stephan Herrmann - Contributions for
*   Bug 186342 - [compiler][null] Using annotations for null checking
*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*****/
```

Found in path(s):

```
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/lookup/MostSpecificExceptionMethodBinding.java
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/core/compiler/SubwordMatcher.java
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* Contributors:
*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*   Bug 407191 - [1.8] Binary access support for type annotations
*****/
```

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/TypeAnnotationInfo.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-

jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationMethodInfoWithTypeAnnotations.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-

jar/org/eclipse/jdt/internal/compiler/flow/FieldInitsFakingFlowContext.java

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jar/org/eclipse/jdt/internal/compiler/classfmt/ComponentInfoWithAnnotation.java

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*   Stephan Herrmann - Contribution for
*     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
*****/

```

Found in path(s):

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/CompoundAssignment.java

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* Contributors:
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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/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/SingleNameReference.java

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\* wharley@bea.com - initial API and implementation

\* (originally in org.eclipse.jdt.apt.core)

\* IBM Corporation - Bug 513790

\*\*\*\*\*/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/ManyToMany.java

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\* Jesper S Moller - Contributions for

\* Bug 378674 - "The method can be declared as static" is wrong

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*   Stephan Herrmann - Contribution for bug 349326 - [1.7] new warning for missing try-with-resources
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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*   wharley@bea.com - initial API and implementation
*   IBM Corporation - fix for 342598
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jar/org/eclipse/jdt/internal/compiler/ast/IJavadocTypeReference.java

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jar/org/eclipse/jdt/internal/compiler/lookup/InferenceSubstitution.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/classfmt/TypeAnnotationWalker.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.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
* 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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```

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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 `getParameterizedType` 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)

\*/

Found in path(s):

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\* IBM Corporation - bug fixes

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SuffixConstants.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SourceTypeCollisionException.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/Messages.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/FileFinder.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredInitializer.java

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/ProblemSeverities.java

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* IBM Corporation - fix for 342470
* IBM Corporation - fix for 342598
* IBM Corporation - Java 8 support
*****/

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* Contributors:
* IBM Corporation - initial API and implementation
* 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.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- \* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

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- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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- \* 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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\* 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.

\*\*\*\*\*

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/Main.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 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  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/MethodDeclaration.java

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- \* 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] 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 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
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MethodBinding.java

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\* Stephan Herrmann - Contribution for

\* 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  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-  
jar/org/eclipse/jdt/internal/compiler/lookup/IntersectionTypeBinding18.java

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\* bug 319201 - [null] no warning when unboxing SingleNameReference 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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jar/org/eclipse/jdt/internal/compiler/ast/AND\_AND\_Expression.java

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\* daolaf@gmail.com - Contribution for bug 3292227

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\* 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

\*/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/FlowInfo.java

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 *   Karen Moore - fix for https://bugs.eclipse.org/bugs/show_bug.cgi?id=207411
 *   Stephan Herrmann <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] 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 424742 - [1.8] NPE in LambdaExpression.isCompatibleWith
 */
```

- \* Bug 424710 - [1.8][compiler] CCE in SimpleNameReference.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.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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  - \* 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 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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*     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
*     Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*       Bug 415543 - [1.8][compiler] Incorrect bound index in RuntimeInvisibleTypeAnnotations attribute
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*     Bug 440474 - [null] textual encoding of external null annotations
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* 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.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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```

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ProvidesStatement.java  
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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/BreakStatement.java  
\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/SwitchFlowContext.java

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ReferenceBindingSetWrapper.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.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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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/FunctionalExpression.java

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 *   IBM Corporation - fix for 342598, 382590
 *   Jean-Marie Henaff <jmhenaff@google.com> (Google) - Bug 481555
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```
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/apt/model/TypesImpl.java
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 *   Nikolay Metchev (nikolaymetchev@gmail.com) - Contributions for
 *   bug 411098 - [compiler][resource] Invalid Resource Leak Warning using ternary operator inside try-with-resource
 */
```

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```
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/FakedTrackingVariable.java
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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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  - \* IBM Corporation - Fix for bug 328575
  - \* het@google.com - Bug 415274 - Annotation processing throws a NPE in getElementsAnnotatedWith()
- \*\*\*\*\*/

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\* /opt/cola/permits/1349017544\_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/RoundEnvImpl.java  
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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 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 - [1.8.3] 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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\* Jesper Steen Moller - Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing  
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\* Bug 407191 - [1.8] Binary access support for type annotations

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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 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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\* Bug 433478 - [compiler][null] NPE in ReferenceBinding.isCompatibleWith

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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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jar/org/eclipse/jdt/internal/compiler/ast/NormalAnnotation.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/Literal.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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*     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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Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java

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\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java

\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/AnnotationWriter.java

\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/tree/InsnNode.java

\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/Item.java

\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/tree/MethodInsnNode.java

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\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/ByteVector.java

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\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/0/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/MethodVisitor.java

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\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/ClassVisitor.java  
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\* /opt/ws\_local/PERMITS\_SQL/1048949653\_1591433284.08/asm-all-repackaged-2-2-0-b21-sources-1-jar/org/objectweb/asm/commons/RemappingClassAdapter.java  
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# 1.115 tomcat-dbcp 9.0.63

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# 1.116 tomcat-i18n-fr 9.0.63

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- javaee\_5.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
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- javaee\_web\_services\_1\_4.xsd
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may be obtained from:

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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
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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
- web-app\_4\_0.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
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## 1.121 jersey-container-servlet 2.5.1

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```
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jar/javax/validation/bootstrap/package-info.java
* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources-
jar/javax/validation/metadata/CascadableDescriptor.java
* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources-
jar/javax/validation/ConstraintTarget.java
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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/GroupConversionDescriptor.java  
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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/spi/package-info.java  
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jar/javax/validation/metadata/BeanDescriptor.java  
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jar/javax/validation/constraints/DecimalMax.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-  
jar/javax/validation/groups/package-info.java  
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jar/javax/validation/ConstraintViolation.java  
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jar/javax/validation/Validator.java  
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jar/javax/validation/MessageInterpolator.java  
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- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/GroupDefinitionException.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintDeclarationException.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/Validation.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/AssertFalse.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/TraversableResolver.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Future.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Size.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/AssertTrue.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/spi/BootstrapState.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/Payload.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintDefinitionException.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/spi/ValidationProvider.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ValidationException.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Null.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/Valid.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/groups/Default.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/OverridesAttribute.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Min.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/UnexpectedTypeException.java
- \* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/bootstrap/GenericBootstrap.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Digits.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Past.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Max.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Pattern.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintValidator.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ValidationProviderResolver.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/Scope.java  
\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/PropertyDescriptor.java  
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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/NotNull.java  
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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/ConstructorDescriptor.java



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Specification: JSR-925 JavaBeans Activation Framework ("Specification")

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Version: 1.2

<br/>

Status: Maintenance Release

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Specification Lead: Oracle America, Inc. ("Specification Lead")

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Release: July 2017

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