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1.7 smack-debug-slf4j 4.1.0

1.8 aspectj-tools 1.9.2

1.8.1 Available under license :

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1.9 smack 4.1.0

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1.10 asm 4.0

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1.11 minimal-json 0.9.4

1.12 smackx 3.2.1

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1.13 google http client xml 1.20.0

1.14 okhttp 3.12.1

1.15 txw2 2.2.11

1.16 jackson-dataformat-smile 2.7.9

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1.21 fast-infoset 1.2.15

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1.22 jackson-jaxrs-base 2.9.10

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1.24 grizzly-http-server 2.4.4

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1.26 jul-to-slf4j 1.7.21

1.27 nimbus-jose-jwt 4.3.1

1.28 jxmpp-util-cache 0.4.1

1.29 jcli 1.0-alpha-3

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1.30 jcl-over-slf4j 1.7.21

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1.31 react-drag-listview 0.0.9

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1.32 spring-context 4.3.19

1.33 cxf-rt-core 2.7.3

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1.34 apache-log4j 1.2.15

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1.35 apache-httpclient 4.4.1

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1.36 d3 3.5.17

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1.37 jxmpp-core 0.4.1

1.38 commons-cli 1.2

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1.43 jaeger core 0.23.0

1.44 apache-log4j 1.2.17

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1.47 json-simple 1.1.1

1.48 commons-beanutils 1.9.3

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1.49 xmlschema 2.0.3

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1.50 axios 0.19.0

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1.51 spring-messaging 4.3.19

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1.53 spring-tx 4.3.19

1.54 woodstox-core 5.3.0

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1.66 metrics-jetty 3.1.0

1.67 cglib 3.0

1.67.1 Available under license :

ASM: a very small and fast Java bytecode manipulation framework

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1.69 react-test-renderer 15.5.4

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  },
  "author": "",
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1.71 beanutils 1.9.3

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1.72 jax-ws-api 2.3.0

1.73 cxf-api 2.7.3

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*/

package org.apache.cxf.io;

import java.io.IOException;
import java.io.InputStream;

/**

* Marker interface for OutputStreams that can directly support
* copying from an input stream. OutputStreams that maintain their
* own byte buffer or similar may be able to optimize the copy
* instead of using the read/write into a temporary buffer that
* the normal IOUtils.copy method requires.
*/

```
public interface CopyingOutputStream {  
  
    int copyFrom(InputStream in) throws IOException;  
  
}
```

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1.74 jaeger thrift 0.23.0

1.75 commons-lang 3.4

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1.79 jetty-webapp 9.3.27.v20190418

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1.104 redux 3.7.2

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1.105 bson 3.0.4

1.106 spring-aop 4.3.19

1.107 jsch 0.1.53

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1.108 unirest-java 1.4.5

1.109 spring-framework 4.3.19

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1.121 jetty-http 9.3.27.v20190418

1.122 spring-binding 2.5.1

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1.125 jetty-io 9.3.27.v20190418

1.126 thrift 0.11.0

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```
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compiler/cpp/src/generate/t_cocoa_generator.cc
compiler/cpp/src/generate/t_cpp_generator.cc
compiler/cpp/src/generate/t_csharp_generator.cc
compiler/cpp/src/generate/t_erl_generator.cc
compiler/cpp/src/generate/t_hs_generator.cc
compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thrift.l
compiler/cpp/src/thrift.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
```

lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift

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```
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```

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```
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```

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L. Peter Deutsch
ghost@aladdin.com

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1.127 spring-boot 1.5.12

1.128 snake-yaml 1.21

1.129 java-jwt 2.2.1

1.130 jtoml 1.0.0

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1.131 gson 2.7

1.132 j2objc-annotations 1.1

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- * file name: UBiDiProps.java
- * encoding: US-ASCII
- * tab size: 8 (not used)
- * indentation:4
- *
- * created on: 2005jan16
- * created by: Markus W. Scherer
- *
- * Low-level Unicode bidi/shaping properties access.
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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

<p>An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the bold

font" has range (4, 8) replaced with "strong", then it becomes "the strong font".

<p><code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<p><code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

Set the metadata of the new text to the metadata of the first character replaced

If no characters are replaced, use the metadata of the previous character

If there is no previous character (i.e. start == 0), use the following character

If there is no following character (i.e. the replaceable was empty), use default metadata

If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu

@stable ICU 2.0

<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p>Note: This class does not support attributes and is not intended for general use. Most clients will need to implement { @link Replaceable } in their text representation class.

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@see Replaceable

@author Alan Liu

@stable ICU 2.0

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- */

```
package java.security;
```

```
import java.io.Serializable;
```

```
/**
```

```
 * Legacy security code; do not use.
```

```
*/
```

```
public abstract class Permission implements Guard, Serializable {  
    public Permission(String name) { }
```

```
    public final String getName() { return null; }
```

```
    public void checkGuard(Object obj) throws SecurityException { }
```

```
    public PermissionCollection newPermissionCollection() {  
        return new AllPermissionCollection();  
    }
```

```
    public abstract String getActions();
```

```
    public abstract boolean implies(Permission permission);  
}
```

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1.133 uuid 3.1.0

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*/
```

```
package javax.activation;
```

```
import java.util.Map;
import java.util.WeakHashMap;
```

```
/**
 * The CommandMap class provides an interface to a registry of
 * command objects available in the system.
 * Developers are expected to either use the CommandMap
 * implementation included with this package (MailcapCommandMap) or
 * develop their own. Note that some of the methods in this class are
 * abstract.
 */
```

```
public abstract class CommandMap {
    private static CommandMap defaultCommandMap = null;
    private static Map<ClassLoader,CommandMap> map =
        new WeakHashMap<ClassLoader,CommandMap>();
```

```
/**
 * Get the default CommandMap.
 *
 * <ul>
 * <li> In cases where a CommandMap instance has been previously set
 * to some value (via <i>setDefaultCommandMap</i>)
 * return the CommandMap.
```

```

* <li>
* In cases where no CommandMap has been set, the CommandMap
*   creates an instance of <code>MailcapCommandMap</code> and
*   set that to the default, returning its value.
*
* </ul>
*
* @return the CommandMap
*/
public static synchronized CommandMap getDefaultCommandMap() {
if (defaultCommandMap != null)
    return defaultCommandMap;

// fetch per-thread-context-class-loader default
ClassLoader tccl = SecuritySupport.getContextClassLoader();
CommandMap def = map.get(tccl);
if (def == null) {
    def = new MailcapCommandMap();
    map.put(tccl, def);
}
return def;
}

/**
* Set the default CommandMap. Reset the CommandMap to the default by
* calling this method with <code>null</code>.
*
* @param commandMap The new default CommandMap.
* @exception SecurityException if the caller doesn't have permission
*   to change the default
*/
public static synchronized void setDefaultCommandMap(CommandMap commandMap) {
SecurityManager security = System.getSecurityManager();
if (security != null) {
    try {
// if it's ok with the SecurityManager, it's ok with me...
security.checkSetFactory();
    } catch (SecurityException ex) {
// otherwise, we also allow it if this code and the
// factory come from the same (non-system) class loader (e.g.,
// the JAF classes were loaded with the applet classes).
ClassLoader cl = CommandMap.class.getClassLoader();
if (cl == null || cl.getParent() == null ||
    cl != commandMap.getClass().getClassLoader()) {
    throw ex;
}
}
}
}

```

```

// remove any per-thread-context-class-loader CommandMap
map.remove(SecuritySupport.getContextClassLoader());
defaultCommandMap = commandMap;
}

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap.
 *
 * @param mimeType the MIME type
 * @return the CommandInfo classes that represent the command Beans.
 */
abstract public CommandInfo[] getPreferredCommands(String mimeType);

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap. <p>
 *
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the list of commands that are returned. The implementation
 * in this class simply calls the <code>getPreferredCommands</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param ds a DataSource for the data
 * @return the CommandInfo classes that represent the command Beans.
 * @since JAF 1.1
 */
public CommandInfo[] getPreferredCommands(String mimeType, DataSource ds) {
return getPreferredCommands(mimeType);
}

/**
 * Get all the available commands for this type. This method
 * should return all the possible commands for this MIME type.
 *
 * @param mimeType the MIME type
 * @return the CommandInfo objects representing all the commands.
 */
abstract public CommandInfo[] getAllCommands(String mimeType);

/**
 * Get all the available commands for this type. This method
 * should return all the possible commands for this MIME type. <p>
 *
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further

```

```

* refine the list of commands that are returned. The implementation
* in this class simply calls the <code>getAllCommands</code>
* method that ignores this argument.
*
* @param mimeType the MIME type
* @param ds a DataSource for the data
* @return the CommandInfo objects representing all the commands.
* @since JAF 1.1
*/
public CommandInfo[] getAllCommands(String mimeType, DataSource ds) {
return getAllCommands(mimeType);
}

/**
* Get the default command corresponding to the MIME type.
*
* @param mimeType the MIME type
* @param cmdName the command name
* @return the CommandInfo corresponding to the command.
*/
abstract public CommandInfo getCommand(String mimeType, String cmdName);

/**
* Get the default command corresponding to the MIME type. <p>
*
* The <code>DataSource</code> provides extra information, such as
* the file name, that a CommandMap implementation may use to further
* refine the command that is chosen. The implementation
* in this class simply calls the <code>getCommand</code>
* method that ignores this argument.
*
* @param mimeType the MIME type
* @param cmdName the command name
* @param ds a DataSource for the data
* @return the CommandInfo corresponding to the command.
* @since JAF 1.1
*/
public CommandInfo getCommand(String mimeType, String cmdName,
DataSource ds) {
return getCommand(mimeType, cmdName);
}

/**
* Locate a DataContentHandler that corresponds to the MIME type.
* The mechanism and semantics for determining this are determined
* by the implementation of the particular CommandMap.
*
* @param mimeType the MIME type

```

```

* @return the DataContentHandler for the MIME type
*/
abstract public DataContentHandler createDataContentHandler(String
    mimeType);

/**
* Locate a DataContentHandler that corresponds to the MIME type.
* The mechanism and semantics for determining this are determined
* by the implementation of the particular CommandMap. <p>
*
* The <code>DataSource</code> provides extra information, such as
* the file name, that a CommandMap implementation may use to further
* refine the choice of DataContentHandler. The implementation
* in this class simply calls the <code>createDataContentHandler</code>
* method that ignores this argument.
*
* @param mimeType the MIME type
* @param ds a DataSource for the data
* @return the DataContentHandler for the MIME type
* @since JAF 1.1
*/
public DataContentHandler createDataContentHandler(String mimeType,
    DataSource ds) {
return createDataContentHandler(mimeType);
}

/**
* Get all the MIME types known to this command map.
* If the command map doesn't support this operation,
* null is returned.
*
* @return array of MIME types as strings, or null if not supported
* @since JAF 1.1
*/
public String[] getMimeTypes() {
return null;
}
}

```

1.135 apache-commons-logging 1.1

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1.137 rabbitmq 3.6.2

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1.138 opentracing tracerresolver 0.1.4

1.139 spring-aspects 4.3.19

1.140 jmxterm 1.0-alpha-4

1.140.1 Available under license :

/*

\$Id: LICENSE.txt,v 1.1.1.1 2004/07/01 13:59:13 jvanzyl Exp \$

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

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<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
    <title>SLF4J License</title>
    <link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
  </head>
  <body>
    <script type="text/javascript">prefix="";</script>
```

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<script src="templates/header.js" type="text/javascript"></script>
<div id="left">
  <script src="templates/left.js" type="text/javascript"></script>
</div>
<div id="right">
  <script src="templates/right.js" type="text/javascript"></script>
</div>
```

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

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1.148 json-simple 1.1

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1.149 metrics-json 3.1.1

1.150 minlog 1.2

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1.151 spring-web 4.3.19

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1.172 postgresql 42.2.5.jre7

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1.173 spring-jdbc 4.3.19

1.174 cxf-rt-transport-http 2.7.3

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1.175 spring-beans 4.3.19

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1.182 spring-orm 4.3.19

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*/

1.186 jackson-jaxrs-xml-provider 2.9.10

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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1.187 jacoco-agent 0.8.3

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1.188 smack-resolver-javax 4.1.0

1.189 hazelcast-client-protocol 1.4.1

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```

```
package com.hazelcast.security.permission;
```

```
public class LockPermission extends InstancePermission {
```

```
    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;
```

```

public LockPermission(String key, String... actions) {
    super(key, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}
}
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package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;

```

```

private static final int LISTEN = 32;
private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

public QueuePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}
}
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```

```

package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}
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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override

```

```

public void add(Permission permission) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
        || (permission instanceof ClusterPermission);

    if (shouldAdd && !implies(permission)) {
        perms.add(permission);
    }
}

```

```

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

```

@Override

```

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

```

```

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {

```

```

        iter.remove();
    }
}
setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "];"
}
}
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 */

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }
}

```

```

}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

```

```

private static final int ALL = CREATE | DESTROY;

public MapReducePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}
}

```



```

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 */

```

```
package com.hazelcast.security.permission;
```

```

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
    }
}

```

```

        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

```

```

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";
    public static final String ACTION_AGGREGATE = "aggregate";
    public static final String ACTION_PROJECTION = "projection";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new QueuePermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MapPermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MultiMapPermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {

```

```

@Override
public Permission create(String name, String... actions) {
    return new ListPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

```

```

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});

```

```

    }
    });
}

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

}

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 */

package com.hazelcast.security.permission;

```

```

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
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 */

package com.hazelcast.security.permission;

```

```

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}

```



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 */
```

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;
```

```
public final class AllPermissions extends ClusterPermission {
```

```
    public AllPermissions() {
        super("<all permissions>");
    }
```

```
    @Override
    public boolean implies(Permission permission) {
        return true;
    }
```

```
    @Override
    public String getActions() {
        return "<all actions>";
    }
```

```
    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }
```

```
    @Override
    public String toString() {
        return "<allow all permissions>";
    }
```

```

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;

            @Override
            public boolean hasMoreElements() {
                return more;
            }

            @Override
            public Permission nextElement() {
                more = false;
                return ALL_PERMISSIONS;
            }
        }
    }
}

```

```

    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}
}
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 */

package com.hazelcast.security.permission;

import java.security.Permission;

```

```

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;
    protected static final int DESTROY = 2;

```

```

private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();

protected final int mask;
protected final String actions;

public InstancePermission(String name, String... actions) {
    super(name);
    if (name == null || "".equals(name)) {
        throw new IllegalArgumentException("Permission name is mandatory!");
    }
    mask = initMask(actions);

    final StringBuilder s = new StringBuilder();
    for (String action : actions) {
        s.append(action).append(" ");
    }
    this.actions = s.toString();
}

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }

    InstancePermission that = (InstancePermission) permission;

    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }

    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {

```

```

    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}
}
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 */

package com.hazelcast.security.permission;

```

```

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof DenyAllPermissionCollection;
    }
}

```

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 */
```

```
package com.hazelcast.security.permission;
```

```
public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
```



```

    }
}
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 */

```

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
```

```
import java.security.PermissionCollection;
```

```
public abstract class ClusterPermission extends Permission {
```

```
    private int hashCode;
```

```
    public ClusterPermission(String name) {
        super(name);
    }

```

```
    @Override
```

```
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

```

```
    @Override
```

```
    public int hashCode() {
        if (hashCode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashCode = result;
        }
    }

```

```

        return hashCode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (getClass() != obj.getClass()) {
            return false;
        }
        ClusterPermission other = (ClusterPermission) obj;
        if (getName() == null && other.getName() != null) {
            return false;
        }
        if (!getName().equals(other.getName())) {
            return false;
        }
        return true;
    }
}
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 */

package com.hazelcast.security.permission;

public class CountdownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

```

```

public CountdownLatchPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;

```

```
private static final int LISTEN = 32;
private static final int LOCK = 64;
private static final int INDEX = 128;
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;
```

```
public ReplicatedMapPermission(String name, String... actions) {
    super(name, actions);
}
```

```
@Override
```

```
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}
```

```
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```

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*/
```

```
package com.hazelcast.security.permission;
```

```
public class DurableExecutorServicePermission extends InstancePermission {
```

```
    private static final int ALL = CREATE | DESTROY;
```

```
    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }
```

```
    @Override
```

```
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
```

```
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```

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*/

```
package com.hazelcast.security.permission;
```

```
public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}

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*/
```

```
/**
```

```
* Contains all the security permissions
```

```
*/
```

```
package com.hazelcast.security.permission;
```

```
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```

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```
*/
```

```
package com.hazelcast.security.permission;
```

```
public class ExecutorServicePermission extends InstancePermission {
```

```
    private static final int ALL = CREATE | DESTROY;
```

```
    public ExecutorServicePermission(String name, String... actions) {
```

```
        super(name, actions);
```

```
    }
```

```
    @Override
```

```
    protected int initMask(String[] actions) {
```

```
        int mask = NONE;
```

```
        for (String action : actions) {
```

```
            if (ActionConstants.ACTION_ALL.equals(action)) {
```

```
                return ALL;
```

```

    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
    }
}

```



```

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
    }
}

```

```

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
        mask |= PUBLISH;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {

```

```

        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {

```

```

int mask = NONE;
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}

```

1.190 jackson-annotations 2.0.1

1.191 jackson-databind 2.7.9.6

1.191.1 Available under license :

Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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1.192 minio 4.0.0

1.193 amqp-client 3.6.2

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1.194 guava 19.0

1.195 lo-dash 4.17.15

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1.196 apache-log4j 1.2.12

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1.197 smackjava 4.1.0

1.198 jsch 0.1.31

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1.199 cxf-rt-bindings-xml 2.7.3

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1.201 args4j 2.0.28

1.202 xpp 1.1.4c

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1.203 jetty 9.3.27.v20190418

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1.204 jetty-servlet 9.3.27.v20190418

1.205 opentracing-web-servlet-filter 0.1.0

1.206 jackson-databind 2.0.1

1.207 hazelcast-client 3.8.9

1.208 xml-extensions 1.20.0

1.209 antd 2.12.6

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1.210 smack-tcp 4.1.0

1.211 commons-codec 1.10

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1.212 wsdl4j 1.6.2

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1.213 spring-instrument 4.3.19

1.214 log4j-over-slf4j 1.7.21

1.215 spring-oxm 4.3.19

1.216 error-prone-annotations 2.1.3

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  <settings default="Google">
    <module2copyright>
      <element module="All" copyright="Google" />
    </module2copyright>
    <LanguageOptions name="XML">
      <option name="fileTypeOverride" value="3" />
      <option name="prefixLines" value="false" />
    </LanguageOptions>
  </settings>
</component>
<component name="CopyrightManager">
  <copyright>
    <option name="notice" value="Copyright &#36;today.year Google Inc. All Rights
Reserved.&#10;&#10;Licensed under the Apache License, Version 2.0 (the "License");&#10;you may not use this
file except in compliance with the License.&#10;You may obtain a copy of the License at&#10;&#10;
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OR CONDITIONS OF ANY KIND, either express or implied.&#10;See the License for the specific language
governing permissions and&#10;limitations under the License." />
  </copyright>
</component>
```

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<option name="keyword" value="Copyright" />
<option name="allowReplaceKeyword" value="" />
<option name="myName" value="Google" />
<option name="myLocal" value="true" />
</copyright>
</component>
```

1.217 autobind-decorator 2.1.0

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1.218 xpp3-min 1.1.4c

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About XmlPull API

It is a minimalist API: very easy to implement standalone or on top of existing parser. The API allows both fast high level iteration (using next() method) and low level tokenizing (using nextToken() token) and is designed for easy building on top of it SAX, XML pull parsers that uses iterators with event objects, or even DOM implementations. To support J2ME and real small implementation parsing of DOCDECL is optional (but DOCDECL can be reported if requested).

The aim is to provide a similar but orthogonal pull parsing basis to widely successful push parsing SAX API. The XmlPull API is in public domain in hope that it will be embraced by Java developers (conformance tests are under LGPL license to minimize risk of incompatible implementations).

1.219 commons-cli 1.1

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1.225 orgjson 0.0.20131108.vaadin1

1.226 csvtojson 1.1.9

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<font color="#999">141 Commits</font> / <font color="#6cc644">70357++</font> / <font color="#bd3c00">
66412--</font>
<font color="#dedede">77.05%&nbsp;<font
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[Matthias Lienau](https://github.com/atufkas)
<font color="#999">9 Commits</font> / <font color="#6cc644">74++</font> / <font color="#bd3c00"> 45--
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<font color="#dedede">04.92%&nbsp;<font color="#dedede">|||||</font><font
color="#f4f4f4">|||||</font><br>
<br>
[Keita Akutsu](https://github.com/kakts)
<font color="#999">4 Commits</font> / <font color="#6cc644">821++</font> / <font color="#bd3c00"> 784--
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<font color="#dedede">02.19%&nbsp;<font color="#dedede">|||</font><font
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[Ron Korving](https://github.com/ronkorving)
<font color="#999">3 Commits</font> / <font color="#6cc644">3++</font> / <font color="#bd3c00"> 3--</font>
<font color="#dedede">01.64%&nbsp;<font color="#dedede">||</font><font
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<br>
[Sean Lang](https://github.com/slang800)
<font color="#999">2 Commits</font> / <font color="#6cc644">2++</font> / <font color="#bd3c00"> 1--</font>
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[null](https://github.com/nbelakovski)
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[Blake Blackshear](https://github.com/blakeblackshear)
<font color="#999">2 Commits</font> / <font color="#6cc644">8++</font> / <font color="#bd3c00"> 8--</font>
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[Dimitri Kennedy](https://github.com/roodboi)
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[Jimi Ford](https://github.com/JimiHFord)

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[Alec Fenichel](https://github.com/fenichelar)

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[Bruce Johnson](https://github.com/brucejo75)

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[Zsolt R. Molnar](https://github.com/molnarzs)

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[Ionic Bizu (Johnny B.)](https://github.com/IonicaBizau)

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[null](https://github.com/markwithers)

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[Trang](https://github.com/trangtungn)

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[null](https://github.com/jondayft)

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[Robert Porter](https://github.com/colarob)

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[Bert Verhelst](<https://github.com/bertyhell>)

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[Jeff Johnson](<https://github.com/jeffcjohnson>)

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[Richard Pringle](<https://github.com/richardpringle>)

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[Jos Expsito](<https://github.com/JoseExposito>)

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[Daniel Cohen](<https://github.com/dcohenb>)

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[Jessica Good](<https://github.com/jessicagood>)

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[Amila Welihinda](<https://github.com/amilajack>)

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[Dane Petersen](<https://github.com/thegreatsunra>)

1 Commits / 18920++ / 8429--

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[Hocine Moukaideche](<https://github.com/Off76>)

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1.227 spring-security-cas 3.2.4

1.228 reflections 0.9.11

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1.229 jaxb-core 2.2.11

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1.230 grizzly-framework 2.4.4

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1.233 animal-sniffer-annotation 1.14

1.234 handlebars 3.0.3

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1.238 react-dnd-html5-backend 5.0.1

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1.240 core-decorators 0.19.0

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1.242 smack-sasl-javax 4.1.0

1.243 jaxen 1.1.6

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1.244 postgresql-jdbc 42.2.5.jre7

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1.245 redux-promise-middleware 4.4.1

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1.246 spring-jms 3.2.9

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1.248 jackson-jaxrs-json-provider 2.7.9

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1.249 spring-security-acl 3.2.9

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*/

```
package org.springframework.security.acls.model;
```

```
import java.io.Serializable;
```

```
/**
```

```
* Represents a permission granted to a <tt>Sid</tt> for a given domain object.
```

```
*
```

```
* @author Ben Alex
```

```
*/
```

```
public interface Permission extends Serializable {
```

```
    //~ Static fields/initializers
```

```
=====
```

```
    char RESERVED_ON = '~';
```

```
    char RESERVED_OFF = '.';
```

```
    String THIRTY_TWO_RESERVED_OFF = ".....";
```

```
    //~ Methods
```

```
=====
```

```
/**
```

```
* Returns the bits that represents the permission.
```

```
*
```

```
* @return the bits that represent the permission
```

```
*/
```

```
int getMask();
```

```
/**
```

```
* Returns a 32-character long bit pattern <code>String</code> representing this permission.
```

```
* <p>
```

```
* Implementations are free to format the pattern as they see fit, although under no circumstances may
```

```
* { @link #RESERVED_OFF } or { @link #RESERVED_ON } be used within the pattern. An exemption is in the  
case of
```

```
* { @link #RESERVED_OFF } which is used to denote a bit that is off (clear).
```

```
* Implementations may also elect to use { @link #RESERVED_ON } internally for computation purposes,
```

```
* although this method may not return any <code>String</code> containing { @link #RESERVED_ON }.
```

```
* <p>
```

```
* The returned String must be 32 characters in length.
```

```
* <p>
```

```
* This method is only used for user interface and logging purposes. It is not used in any permission
```

```
* calculations. Therefore, duplication of characters within the output is permitted.
```

```
*
```

```
* @return a 32-character bit pattern
*/
String getPattern();
}
```

1.250 commons-collections 3.2

1.251 httpcomponents-client 4.4.1

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1.254 commons-collections 3.2.1

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1.255 beanutils 1.6

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