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 */
package org.apache.cassandra.auth;

import java.util.EnumSet;
import java.util.Set;

import com.google.common.collect.ImmutableSet;
import com.google.common.collect.Sets;

/**
 * An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.
 *
 * IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
 * Adding new values is ok.
 */
public enum Permission
{
    @Deprecated
    READ,
    @Deprecated
    WRITE,

    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSPACE and CREATE TABLE.
    // ALTER KEYSPACE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on the
    // relevant DataResource.
    // DROP KEYSPACE and DROP TABLE require DROP permission.
    //
    // In the context of Role management, these permissions may also be granted on a RoleResource.
    // CREATE is only granted on the root-level role resource, and is required to create new roles.
    // ALTER & DROP may be granted on either the root-level role resource, giving permissions on
    // all roles, or on specific role-level resources.
    CREATE,
    ALTER,
    DROP,

    // data access
    SELECT, // required for SELECT on a table
    MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.

    // permission management
    AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.

    DESCRIBE, // required on the root-level RoleResource to list all Roles
```

```
    // UDF permissions
    EXECUTE;  // required to invoke any user defined function or aggregate

    public static final Set<Permission> ALL =
         Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
    public static final Set<Permission> NONE = ImmutableSet.of();
}
```
<component name="CopyrightManager">
 <settings default="Apache License 2.0" />
</component>
<component name="CopyrightManager">
 <copyright>
  <option name="myName" value="Apache License 2.0" />
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*/
package org.apache.cassandra.auth;

import java.util.EnumSet;
import java.util.Set;

import com.google.common.collect.ImmutableSet;
import com.google.common.collect.Sets;

/**
 * An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.
 *
 * IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
 * Adding new values is ok.
 */
public enum Permission
{
    @Deprecated
    READ,
    @Deprecated
    WRITE,

    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSPACE and CREATE TABLE.
    // ALTER KEYSPACE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on the
    // relevant DataResource.
    // DROP KEYSPACE and DROP TABLE require DROP permission.
    //
```

```
    // In the context of Role management, these permissions may also be granted on a RoleResource.
    // CREATE is only granted on the root-level role resource, and is required to create new roles.
    // ALTER & DROP may be granted on either the root-level role resource, giving permissions on
    // all roles, or on specific role-level resources.
    CREATE,
    ALTER,
    DROP,

    // data access
    SELECT, // required for SELECT on a table
    MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.

    // permission management
    AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.

    DESCRIBE, // required on the root-level RoleResource to list all Roles

    // UDF permissions
    EXECUTE;  // required to invoke any user defined function or aggregate

    public static final Set<Permission> ALL =
        Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
    public static final Set<Permission> NONE = ImmutableSet.of();
}
<component name="CopyrightManager">
 <settings default="Apache License 2.0" />
</component>
<component name="CopyrightManager">
 <copyright>
  <option name="myName" value="Apache License 2.0" />
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 </copyright>
</component>
```

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]^ _`READ&Lorg/apache/cassandra/auth/Permission;

DeprecatedRuntimeVisibleAnnotationsLjava/lang/Deprecated;WRITECREATEALTERDROPSELECTMODIFY

AUTHORIZEDESCRIBEEXECUTEALLLjava/util/Set;

Signature7Ljava/util/Set<Lorg/apache/cassandra/auth/Permission;>;NONE$VALUES'[Lorg/apache/cassandra/auth/

Permission;values)()[Lorg/apache/cassandra/auth/Permission;CodeLineNumberTablevalueOf:(Ljava/lang/String;)L

org/apache/cassandra/auth/Permission;LocalVariableTablenameLjava/lang/String;<init>(Ljava/lang/String;I)Vthis()

V<clinit>8Ljava/lang/Enum<Lorg/apache/cassandra/auth/Permission;>;

SourceFilePermission.java566ab$org/apache/cassandra/auth/Permission;c@A"#'#(#)#*#+#,#-

#.#/#defghi01jkl41java/lang/Enumclone()Ljava/lang/Object;5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum

;java/util/EnumSetrange5(Ljava/lang/Enum;Ljava/lang/Enum;)Ljava/util/EnumSet;com/google/common/collect/Set

simmutableEnumSet>(Ljava/lang/Iterable;)Lcom/google/common/collect/ImmutableSet;&com/google/common/coll

ect/ImmutableSetof*()Lcom/google/common/collect/ImmutableSet;@1!

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 ghost@aladdin.com

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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<!-- NewPage -->
<html lang="en">
<head>
<!-- Generated by javadoc (1.8.0_171) on Tue Jul 24 22:50:51 PDT 2018 -->
<title>Permission (apache-cassandra API)</title>
<meta name="date" content="2018-07-24">
<link rel="stylesheet" type="text/css" href="../../../../stylesheet.css" title="Style">
<script type="text/javascript" src="../../../../script.js"></script>
</head>
<body>
<script type="text/javascript"><!--
    try {
        if (location.href.indexOf('is-external=true') == -1) {
            parent.document.title="Permission (apache-cassandra API)";
        }
    }
    catch(err) {
    }
//-->
var methods = {"i0":9,"i1":9};
var tabs = {65535:["t0","All Methods"],1:["t1","Static Methods"],8:["t4","Concrete Methods"]};
var altColor = "altColor";
var rowColor = "rowColor";
var tableTab = "tableTab";
var activeTableTab = "activeTableTab";
</script>
```

```html
<noscript>
<div>JavaScript is disabled on your browser.</div>
</noscript>
<!-- ========= START OF TOP NAVBAR ======= -->
<div class="topNav"><a name="navbar.top">
<!--   -->
</a>
<div class="skipNav"><a href="#skip.navbar.top" title="Skip navigation links">Skip navigation links</a></div>
<a name="navbar.top.firstrow">
<!--   -->
</a>
<ul class="navList" title="Navigation">
<li><a href="../../../../overview-summary.html">Overview</a></li>
<li><a href="package-summary.html">Package</a></li>
<li class="navBarCell1Rev">Class</li>
<li><a href="class-use/Permission.html">Use</a></li>
<li><a href="package-tree.html">Tree</a></li>
<li><a href="../../../../deprecated-list.html">Deprecated</a></li>
<li><a href="../../../../index-all.html">Index</a></li>
<li><a href="../../../../help-doc.html">Help</a></li>
</ul>
</div>
<div class="subNav">
<ul class="navList">
<li><a href="../../../../org/apache/cassandra/auth/PasswordAuthenticator.CredentialsCacheMBean.html"
title="interface in org.apache.cassandra.auth"><span class="typeNameLink">Prev Class</span></a></li>
<li><a href="../../../../org/apache/cassandra/auth/PermissionDetails.html" title="class in
org.apache.cassandra.auth"><span class="typeNameLink">Next Class</span></a></li>
</ul>
<ul class="navList">
<li><a href="../../../../index.html?org/apache/cassandra/auth/Permission.html" target="_top">Frames</a></li>
<li><a href="Permission.html" target="_top">No Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_top">
<li><a href="../../../../allclasses-noframe.html">All Classes</a></li>
</ul>
<div>
<script type="text/javascript"><!--
 allClassesLink = document.getElementById("allclasses_navbar_top");
 if(window==top) {
   allClassesLink.style.display = "block";
 }
 else {
   allClassesLink.style.display = "none";
 }
 //-->
</script>
</div>
```

```html
<div>
<ul class="subNavList">
<li>Summary: </li>
<li>Nested | </li>
<li><a href="#enum.constant.summary">Enum Constants</a> | </li>
<li><a href="#field.summary">Field</a> | </li>
<li><a href="#method.summary">Method</a></li>
</ul>
<ul class="subNavList">
<li>Detail: </li>
<li><a href="#enum.constant.detail">Enum Constants</a> | </li>
<li><a href="#field.detail">Field</a> | </li>
<li><a href="#method.detail">Method</a></li>
</ul>
</div>
<a name="skip.navbar.top">
<!--   -->
</a></div>
<!-- ========= END OF TOP NAVBAR ========= -->
<!-- ======== START OF CLASS DATA ======== -->
<div class="header">
<div class="subTitle">org.apache.cassandra.auth</div>
<h2 title="Enum Permission" class="title">Enum Permission</h2>
</div>
<div class="contentContainer">
<ul class="inheritance">
<li>java.lang.Object</li>
<li>
<ul class="inheritance">
<li>java.lang.Enum<<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>></li>
<li>
<ul class="inheritance">
<li>org.apache.cassandra.auth.Permission</li>
</ul>
</li>
</ul>
</li>
</ul>
<div class="description">
<ul class="blockList">
<li class="blockList">
<dl>
<dt>All Implemented Interfaces:</dt>
<dd>java.io.Serializable, java.lang.Comparable<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></dd>
</dl>
<hr>
```

```html
<br>
<pre>public enum <span class="typeNameLabel">Permission</span>
extends java.lang.Enum<<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>></pre>
<div class="block">An enum encapsulating the set of possible permissions that an authenticated user can have on a
resource.

IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
Adding new values is ok.</div>
</li>
</ul>
</div>
<div class="summary">
<ul class="blockList">
<li class="blockList">
<!-- =========== ENUM CONSTANT SUMMARY =========== -->
<ul class="blockList">
<li class="blockList"><a name="enum.constant.summary">
<!--   -->
</a>
<h3>Enum Constant Summary</h3>
<table class="memberSummary" border="0" cellpadding="3" cellspacing="0" summary="Enum Constant Summary
table, listing enum constants, and an explanation">
<caption><span>Enum Constants</span><span class="tabEnd"> </span></caption>
<tr>
<th class="colOne" scope="col">Enum Constant and Description</th>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#ALTER">ALTER</a></span></code> </td>
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#AUTHORIZE">AUTHORIZE</a></span></code>&nbs
p;</td>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#CREATE">CREATE</a></span></code> </td>
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#DESCRIBE">DESCRIBE</a></span></code> </t
d>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#DROP">DROP</a></span></code> </td>
```

```
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#EXECUTE">EXECUTE</a></span></code> </td
>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#MODIFY">MODIFY</a></span></code> </td>
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#READ">READ</a></span></code>
<div class="block"><span class="deprecatedLabel">Deprecated.</span> </div>
</td>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#SELECT">SELECT</a></span></code> </td>
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#WRITE">WRITE</a></span></code>
<div class="block"><span class="deprecatedLabel">Deprecated.</span> </div>
</td>
</tr>
</table>
</li>
</ul>
<!-- =========== FIELD SUMMARY =========== -->
<ul class="blockList">
<li class="blockList"><a name="field.summary">
<!--   -->
</a>
<h3>Field Summary</h3>
<table class="memberSummary" border="0" cellpadding="3" cellspacing="0" summary="Field Summary table,
listing fields, and an explanation">
<caption><span>Fields</span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Field and Description</th>
</tr>
<tr class="altColor">
<td class="colFirst"><code>static java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#ALL">ALL</a></span></code> </td>
</tr>
```

```html
<tr class="rowColor">
<td class="colFirst"><code>static java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#NONE">NONE</a></span></code> </td>
</tr>
</table>
</li>
</ul>
<!-- ========== METHOD SUMMARY =========== -->
<ul class="blockList">
<li class="blockList"><a name="method.summary">
<!--   -->
</a>
<h3>Method Summary</h3>
<table class="memberSummary" border="0" cellpadding="3" cellspacing="0" summary="Method Summary table,
listing methods, and an explanation">
<caption><span id="t0" class="activeTableTab"><span>All Methods</span><span
class="tabEnd"> </span></span><span id="t1" class="tableTab"><span><a
href="javascript:show(1);">Static Methods</a></span><span class="tabEnd"> </span></span><span id="t4"
class="tableTab"><span><a href="javascript:show(8);">Concrete Methods</a></span><span
class="tabEnd"> </span></span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tr id="i0" class="altColor">
<td class="colFirst"><code>static <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></code></td>
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#valueOf-java.lang.String-
">valueOf</a></span>(java.lang.String name)</code>
<div class="block">Returns the enum constant of this type with the specified name.</div>
</td>
</tr>
<tr id="i1" class="rowColor">
<td class="colFirst"><code>static <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>[]</code></td>
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#values--">values</a></span>()</code>
<div class="block">Returns an array containing the constants of this enum type, in
the order they are declared.</div>
</td>
</tr>
</table>
<ul class="blockList">
<li class="blockList"><a name="methods.inherited.from.class.java.lang.Enum">
<!--   -->
```


<h3>Methods inherited from class&nbsp;java.lang.Enum</h3>
<code>clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf</code>

<ul class="blockList">
<li class="blockList">
<!-- -->

<h3>Methods inherited from class&nbsp;java.lang.Object</h3>
<code>getClass, notify, notifyAll, wait, wait, wait</code>

</div>
<div class="details">
<ul class="blockList">
<li class="blockList">
<!-- ============ ENUM CONSTANT DETAIL =========== -->
<ul class="blockList">
<li class="blockList">
<!-- -->

<h3>Enum Constant Detail</h3>

<!-- -->

<ul class="blockList">
<li class="blockList">
<h4>READ</h4>
<pre>@Deprecated
public static final&nbsp;Permission READ</pre>
<div class="block">Deprecated.&nbsp;</div>

<!-- -->

<ul class="blockList">
<li class="blockList">
<h4>WRITE</h4>
<pre>@Deprecated
public static final&nbsp;Permission WRITE</pre>
<div class="block">Deprecated.&nbsp;</div>

```
</li>
</ul>
<a name="CREATE">
<!--  -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>CREATE</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> CREATE</pre>
</li>
</ul>
<a name="ALTER">
<!--  -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>ALTER</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> ALTER</pre>
</li>
</ul>
<a name="DROP">
<!--  -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>DROP</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> DROP</pre>
</li>
</ul>
<a name="SELECT">
<!--  -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>SELECT</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> SELECT</pre>
</li>
</ul>
<a name="MODIFY">
<!--  -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>MODIFY</h4>
```

```
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> MODIFY</pre>
</li>
</ul>
<a name="AUTHORIZE">
<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>AUTHORIZE</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> AUTHORIZE</pre>
</li>
</ul>
<a name="DESCRIBE">
<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>DESCRIBE</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> DESCRIBE</pre>
</li>
</ul>
<a name="EXECUTE">
<!--   -->
</a>
<ul class="blockListLast">
<li class="blockList">
<h4>EXECUTE</h4>
<pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> EXECUTE</pre>
</li>
</ul>
</li>
</ul>
<!-- ============ FIELD DETAIL =========== -->
<ul class="blockList">
<li class="blockList"><a name="field.detail">
<!--   -->
</a>
<h3>Field Detail</h3>
<a name="ALL">
<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>ALL</h4>
```

```
<pre>public static final java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>> ALL</pre>
</li>
</ul>
<a name="NONE">
<!--   -->
</a>
<ul class="blockListLast">
<li class="blockList">
<h4>NONE</h4>
<pre>public static final java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>> NONE</pre>
</li>
</ul>
</li>
</ul>
<!-- ============ METHOD DETAIL ========== -->
<ul class="blockList">
<li class="blockList"><a name="method.detail">
<!--   -->
</a>
<h3>Method Detail</h3>
<a name="values--">
<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>values</h4>
<pre>public static <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>[] values()</pre>
<div class="block">Returns an array containing the constants of this enum type, in
the order they are declared.  This method may be used to iterate
over the constants as follows:
<pre>
for (Permission c : Permission.values())
    System.out.println(c);
</pre></div>
<dl>
<dt><span class="returnLabel">Returns:</span></dt>
<dd>an array containing the constants of this enum type, in the order they are declared</dd>
</dl>
</li>
</ul>
<a name="valueOf-java.lang.String-">
<!--   -->
</a>
<ul class="blockListLast">
<li class="blockList">
```

```html
<h4>valueOf</h4>
<pre>public static <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> valueOf(java.lang.String name)</pre>
<div class="block">Returns the enum constant of this type with the specified name.
The string must match <i>exactly</i> an identifier used to declare an
enum constant in this type.  (Extraneous whitespace characters are
not permitted.)</div>
<dl>
<dt><span class="paramLabel">Parameters:</span></dt>
<dd><code>name</code> - the name of the enum constant to be returned.</dd>
<dt><span class="returnLabel">Returns:</span></dt>
<dd>the enum constant with the specified name</dd>
<dt><span class="throwsLabel">Throws:</span></dt>
<dd><code>java.lang.IllegalArgumentException</code> - if this enum type has no constant with the specified
name</dd>
<dd><code>java.lang.NullPointerException</code> - if the argument is null</dd>
</dl>
</li>
</ul>
</li>
</ul>
</li>
</ul>
</div>
</div>
<!-- ========= END OF CLASS DATA ========= -->
<!-- ======= START OF BOTTOM NAVBAR ====== -->
<div class="bottomNav"><a name="navbar.bottom">
<!--   -->
</a>
<div class="skipNav"><a href="#skip.navbar.bottom" title="Skip navigation links">Skip navigation
links</a></div>
<a name="navbar.bottom.firstrow">
<!--   -->
</a>
<ul class="navList" title="Navigation">
<li><a href="../../../../overview-summary.html">Overview</a></li>
<li><a href="package-summary.html">Package</a></li>
<li class="navBarCell1Rev">Class</li>
<li><a href="class-use/Permission.html">Use</a></li>
<li><a href="package-tree.html">Tree</a></li>
<li><a href="../../../../deprecated-list.html">Deprecated</a></li>
<li><a href="../../../../index-all.html">Index</a></li>
<li><a href="../../../../help-doc.html">Help</a></li>
</ul>
</div>
<div class="subNav">
<ul class="navList">
```

```html
<li><a href="../../../../org/apache/cassandra/auth/PasswordAuthenticator.CredentialsCacheMBean.html"
title="interface in org.apache.cassandra.auth"><span class="typeNameLink">Prev Class</span></a></li>
<li><a href="../../../../org/apache/cassandra/auth/PermissionDetails.html" title="class in
org.apache.cassandra.auth"><span class="typeNameLink">Next Class</span></a></li>
</ul>
<ul class="navList">
<li><a href="../../../../index.html?org/apache/cassandra/auth/Permission.html" target="_top">Frames</a></li>
<li><a href="Permission.html" target="_top">No Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_bottom">
<li><a href="../../../../allclasses-noframe.html">All Classes</a></li>
</ul>
<div>
<script type="text/javascript"><!--
 allClassesLink = document.getElementById("allclasses_navbar_bottom");
 if(window==top) {
  allClassesLink.style.display = "block";
 }
 else {
  allClassesLink.style.display = "none";
 }
 //-->
</script>
</div>
<div>
<ul class="subNavList">
<li>Summary: </li>
<li>Nested | </li>
<li><a href="#enum.constant.summary">Enum Constants</a> | </li>
<li><a href="#field.summary">Field</a> | </li>
<li><a href="#method.summary">Method</a></li>
</ul>
<ul class="subNavList">
<li>Detail: </li>
<li><a href="#enum.constant.detail">Enum Constants</a> | </li>
<li><a href="#field.detail">Field</a> | </li>
<li><a href="#method.detail">Method</a></li>
</ul>
</div>
<a name="skip.navbar.bottom">
<!--  -->
</a></div>
<!-- ======== END OF BOTTOM NAVBAR ======= -->
<p class="legalCopy"><small>Copyright &copy; 2018 The Apache Software Foundation</small></p>
</body>
</html>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<!-- NewPage -->
<html lang="en">
<head>
<!-- Generated by javadoc (1.8.0_171) on Tue Jul 24 22:50:57 PDT 2018 -->
<title>Uses of Class org.apache.cassandra.auth.Permission (apache-cassandra API)</title>
<meta name="date" content="2018-07-24">
<link rel="stylesheet" type="text/css" href="../../../../../stylesheet.css" title="Style">
<script type="text/javascript" src="../../../../../script.js"></script>
</head>
<body>
<script type="text/javascript"><!--
    try {
        if (location.href.indexOf('is-external=true') == -1) {
            parent.document.title="Uses of Class org.apache.cassandra.auth.Permission (apache-cassandra API)";
        }
    }
    catch(err) {
    }
//-->
</script>
<noscript>
<div>JavaScript is disabled on your browser.</div>
</noscript>
<!-- ========= START OF TOP NAVBAR ======= -->
<div class="topNav"><a name="navbar.top">
<!--   -->
</a>
<div class="skipNav"><a href="#skip.navbar.top" title="Skip navigation links">Skip navigation links</a></div>
<a name="navbar.top.firstrow">
<!--   -->
</a>
<ul class="navList" title="Navigation">
<li><a href="../../../../../overview-summary.html">Overview</a></li>
<li><a href="../package-summary.html">Package</a></li>
<li><a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Class</a></li>
<li class="navBarCell1Rev">Use</li>
<li><a href="../../../../../overview-tree.html">Tree</a></li>
<li><a href="../../../../../deprecated-list.html">Deprecated</a></li>
<li><a href="../../../../../index-all.html">Index</a></li>
<li><a href="../../../../../help-doc.html">Help</a></li>
</ul>
</div>
<div class="subNav">
<ul class="navList">
<li>Prev</li>
<li>Next</li>
</ul>
```

```
<ul class="navList">
<li><a href="../../../../../index.html?org/apache/cassandra/auth/class-use/Permission.html"
target="_top">Frames</a></li>
<li><a href="Permission.html" target="_top">No Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_top">
<li><a href="../../../../../allclasses-noframe.html">All Classes</a></li>
</ul>
<div>
<script type="text/javascript"><!--
 allClassesLink = document.getElementById("allclasses_navbar_top");
 if(window==top) {
   allClassesLink.style.display = "block";
 }
 else {
   allClassesLink.style.display = "none";
 }
 //-->
</script>
</div>
<a name="skip.navbar.top">
<!--   -->
</a></div>
<!-- ========= END OF TOP NAVBAR ========= -->
<div class="header">
<h2 title="Uses of Class org.apache.cassandra.auth.Permission" class="title">Uses of
Class<br>org.apache.cassandra.auth.Permission</h2>
</div>
<div class="classUseContainer">
<ul class="blockList">
<li class="blockList">
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing packages,
and an explanation">
<caption><span>Packages that use <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Package</th>
<th class="colLast" scope="col">Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><a href="#org.apache.cassandra.auth">org.apache.cassandra.auth</a></td>
<td class="colLast"> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><a
href="#org.apache.cassandra.cql3.statements">org.apache.cassandra.cql3.statements</a></td>
<td class="colLast"> </td>
```

```
</tr>
<tr class="altColor">
<td class="colFirst"><a href="#org.apache.cassandra.service">org.apache.cassandra.service</a></td>
<td class="colLast"> </td>
</tr>
</tbody>
</table>
</li>
<li class="blockList">
<ul class="blockList">
<li class="blockList"><a name="org.apache.cassandra.auth">
<!--   -->
</a>
<h3>Uses of <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> in <a href="../../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth</a></h3>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing fields, and an
explanation">
<caption><span>Fields in <a href="../../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth</a> declared as <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Field and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><code><a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></code></td>
<td class="colLast"><span class="typeNameLabel">PermissionDetails.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/auth/PermissionDetails.html#permission">permission</a></span></code>&n
bsp;</td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing fields, and an
explanation">
<caption><span>Fields in <a href="../../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth</a> with type parameters of type <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Field and Description</th>
</tr>
<tbody>
```

```html
<tr class="altColor">
<td class="colFirst"><code>static java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">Permission.</span><code><span
class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#ALL">ALL</a></span></code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>static java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">Permission.</span><code><span
class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/Permission.html#NONE">NONE</a></span></code> </td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing methods, and
an explanation">
<caption><span>Methods in <a href="../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth</a> that return <a
href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><code>static <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></code></td>
<td class="colLast"><span class="typeNameLabel">Permission.</span><code><span
class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#valueOf-
java.lang.String-">valueOf</a></span>(java.lang.String name)</code>
<div class="block">Returns the enum constant of this type with the specified name.</div>
</td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>static <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>[]</code></td>
<td class="colLast"><span class="typeNameLabel">Permission.</span><code><span
class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#values--
">values</a></span>()</code>
<div class="block">Returns an array containing the constants of this enum type, in
the order they are declared.</div>
</td>
</tr>
</tbody>
</table>
```

```html
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing methods, and
an explanation">
<caption><span>Methods in <a href="../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth</a> that return types with arguments of type <a
href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">DataResource.</span><code><span
class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/DataResource.html#applicablePermissions--
">applicablePermissions</a></span>()</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">FunctionResource.</span><code><span
class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/FunctionResource.html#applicablePermissions--
">applicablePermissions</a></span>()</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">IResource.</span><code><span
class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/IResource.html#applicablePermissions--
">applicablePermissions</a></span>()</code>
<div class="block">Returns the set of Permissions that may be applied to this resource

Certain permissions are not applicable to particular types of resources.</div>
</td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">JMXResource.</span><code><span
class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/JMXResource.html#applicablePermissions--
">applicablePermissions</a></span>()</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html"
```

title="enum in org.apache.cassandra.auth">Permission></code></td>
<td class="colLast">RoleResource.<code><a
href="../../../../../org/apache/cassandra/auth/RoleResource.html#applicablePermissions--
">applicablePermissions()</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission></code></td>
<td class="colLast">AllowAllAuthorizer.<code><a href="../../../../../org/apache/cassandra/auth/AllowAllAuthorizer.html#authorize-
org.apache.cassandra.auth.AuthenticatedUser-org.apache.cassandra.auth.IResource-">authorize(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser user,
     <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource resource)</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission></code></td>
<td class="colLast">CassandraAuthorizer.<code><a href="../../../../../org/apache/cassandra/auth/CassandraAuthorizer.html#authorize-
org.apache.cassandra.auth.AuthenticatedUser-org.apache.cassandra.auth.IResource-">authorize(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser user,
     <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource resource)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission></code></td>
<td class="colLast">IAuthorizer.<code><a href="../../../../../org/apache/cassandra/auth/IAuthorizer.html#authorize-
org.apache.cassandra.auth.AuthenticatedUser-org.apache.cassandra.auth.IResource-">authorize(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser user,
     <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource resource)</code>
<div class="block">Returns a set of permissions of a user on a resource.</div>
</td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission></code></td>
<td class="colLast">PermissionsCache.<code><a href="../../../../../org/apache/cassandra/auth/PermissionsCache.html#getPermissions-
org.apache.cassandra.auth.AuthenticatedUser-org.apache.cassandra.auth.IResource-
">getPermissions(<a href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in

org.apache.cassandra.auth">AuthenticatedUser user,
            <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource resource)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission></code></td>
<td class="colLast">AuthenticatedUser.<code><a href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html#getPermissions-
org.apache.cassandra.auth.IResource-">getPermissions(<a
href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource resource)</code> </td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing methods, and
an explanation">
<caption>Method parameters in <a href="../../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth with type arguments of type <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission </caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast">AllowAllAuthorizer.<code><a href="../../../../../org/apache/cassandra/auth/AllowAllAuthorizer.html#grant-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">grant(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser performer,
    java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission> permissions,
    <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource resource,
    <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource to)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast">CassandraAuthorizer.<code><a href="../../../../../org/apache/cassandra/auth/CassandraAuthorizer.html#grant-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">grant(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in

```
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
    java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
    <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
    <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> grantee)</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">IAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/auth/IAuthorizer.html#grant-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">grant</a></span>(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
    java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
    <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
    <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> grantee)</code>
<div class="block">Grants a set of permissions on a resource to a role.</div>
</td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/PermissionDetails.html"
title="class in org.apache.cassandra.auth">PermissionDetails</a>></code></td>
<td class="colLast"><span class="typeNameLabel">AllowAllAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/auth/AllowAllAuthorizer.html#list-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">list</a></span>(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
    java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
    <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
    <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> of)</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/PermissionDetails.html"
title="class in org.apache.cassandra.auth">PermissionDetails</a>></code></td>
<td class="colLast"><span class="typeNameLabel">CassandraAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/auth/CassandraAuthorizer.html#list-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">list</a></span>(<a
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href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
   java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
   <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
   <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> grantee)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>java.util.Set<<a href="../../../../../org/apache/cassandra/auth/PermissionDetails.html"
title="class in org.apache.cassandra.auth">PermissionDetails</a>></code></td>
<td class="colLast"><span class="typeNameLabel">IAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/auth/IAuthorizer.html#list-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">list</a></span>(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
   java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
   <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
   <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> grantee)</code>
<div class="block">Returns a list of permissions on a resource granted to a role.</div>
</td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">AllowAllAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/auth/AllowAllAuthorizer.html#revoke-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">revoke</a></span>(<a
href="../../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
   java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
   <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
   <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> from)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">CassandraAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/auth/CassandraAuthorizer.html#revoke-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">revoke</a></span>(<a
```

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href="../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
    java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
    <a href="../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
    <a href="../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> revokee)</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">IAuthorizer.</span><code><span
class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/IAuthorizer.html#revoke-
org.apache.cassandra.auth.AuthenticatedUser-java.util.Set-org.apache.cassandra.auth.IResource-
org.apache.cassandra.auth.RoleResource-">revoke</a></span>(<a
href="../../../../org/apache/cassandra/auth/AuthenticatedUser.html" title="class in
org.apache.cassandra.auth">AuthenticatedUser</a> performer,
    java.util.Set<<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
    <a href="../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
    <a href="../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> revokee)</code>
<div class="block">Revokes a set of permissions on a resource from a user.</div>
</td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing constructors,
and an explanation">
<caption><span>Constructors in <a href="../../../../org/apache/cassandra/auth/package-
summary.html">org.apache.cassandra.auth</a> with parameters of type <a
href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colOne" scope="col">Constructor and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../org/apache/cassandra/auth/PermissionDetails.html#PermissionDetails-java.lang.String-
org.apache.cassandra.auth.IResource-org.apache.cassandra.auth.Permission-
">PermissionDetails</a></span>(java.lang.String grantee,
        <a href="../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
        <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> permission)</code> </td>
</tr>
```

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</tbody>
</table>
</li>
<li class="blockList"><a name="org.apache.cassandra.cql3.statements">
<!--   -->
</a>
<h3>Uses of <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> in <a href="../../../../../org/apache/cassandra/cql3/statements/package-
summary.html">org.apache.cassandra.cql3.statements</a></h3>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing fields, and an
explanation">
<caption><span>Fields in <a href="../../../../../org/apache/cassandra/cql3/statements/package-
summary.html">org.apache.cassandra.cql3.statements</a> with type parameters of type <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Field and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><code>protected java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">ListPermissionsStatement.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/ListPermissionsStatement.html#permissions">permissions</a
></span></code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>protected java.util.Set<<a href="../../../../../org/apache/cassandra/auth/Permission.html"
title="enum in org.apache.cassandra.auth">Permission</a>></code></td>
<td class="colLast"><span class="typeNameLabel">PermissionsManagementStatement.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/PermissionsManagementStatement.html#permissions">permi
ssions</a></span></code> </td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing methods, and
an explanation">
<caption><span>Methods in <a href="../../../../../org/apache/cassandra/cql3/statements/package-
summary.html">org.apache.cassandra.cql3.statements</a> with parameters of type <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
```

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<tbody>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">AuthenticationStatement.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/AuthenticationStatement.html#checkPermission-
org.apache.cassandra.service.ClientState-org.apache.cassandra.auth.Permission-
org.apache.cassandra.auth.RoleResource-">checkPermission</a></span>(<a
href="../../../../../org/apache/cassandra/service/ClientState.html" title="class in
org.apache.cassandra.service">ClientState</a> state,
        <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> required,
        <a href="../../../../../org/apache/cassandra/auth/RoleResource.html" title="class in
org.apache.cassandra.auth">RoleResource</a> resource)</code> </td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing constructors,
and an explanation">
<caption><span>Constructor parameters in <a href="../../../../../org/apache/cassandra/cql3/statements/package-
summary.html">org.apache.cassandra.cql3.statements</a> with type arguments of type <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colOne" scope="col">Constructor and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/GrantPermissionsStatement.html#GrantPermissionsStatement
-java.util.Set-org.apache.cassandra.auth.IResource-org.apache.cassandra.cql3.RoleName-
">GrantPermissionsStatement</a></span>(java.util.Set<<a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
              <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
              <a href="../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in
org.apache.cassandra.cql3">RoleName</a> grantee)</code> </td>
</tr>
<tr class="rowColor">
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/ListPermissionsStatement.html#ListPermissionsStatement-
java.util.Set-org.apache.cassandra.auth.IResource-org.apache.cassandra.cql3.RoleName-boolean-
">ListPermissionsStatement</a></span>(java.util.Set<<a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
              <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
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            <a href="../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in
org.apache.cassandra.cql3">RoleName</a> grantee,
            boolean recursive)</code> </td>
</tr>
<tr class="altColor">
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/PermissionsManagementStatement.html#PermissionsManage
mentStatement-java.util.Set-org.apache.cassandra.auth.IResource-org.apache.cassandra.cql3.RoleName-
">PermissionsManagementStatement</a></span>(java.util.Set<<a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
            <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
            <a href="../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in
org.apache.cassandra.cql3">RoleName</a> grantee)</code> </td>
</tr>
<tr class="rowColor">
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../../org/apache/cassandra/cql3/statements/RevokePermissionsStatement.html#RevokePermissionsState
ment-java.util.Set-org.apache.cassandra.auth.IResource-org.apache.cassandra.cql3.RoleName-
">RevokePermissionsStatement</a></span>(java.util.Set<<a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a>> permissions,
            <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource,
            <a href="../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in
org.apache.cassandra.cql3">RoleName</a> grantee)</code> </td>
</tr>
</tbody>
</table>
</li>
<li class="blockList"><a name="org.apache.cassandra.service">
<!--   -->
</a>
<h3>Uses of <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> in <a href="../../../../../org/apache/cassandra/service/package-
summary.html">org.apache.cassandra.service</a></h3>
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an explanation">
<caption><span>Methods in <a href="../../../../../org/apache/cassandra/service/package-
summary.html">org.apache.cassandra.service</a> with parameters of type <a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a></span><span class="tabEnd"> </span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tbody>
```

```html
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/service/ClientState.html#ensureHasPermission-
org.apache.cassandra.auth.Permission-org.apache.cassandra.cql3.functions.Function-
">ensureHasPermission</a></span>(<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> permission,
          <a href="../../../../../org/apache/cassandra/cql3/functions/Function.html" title="interface in
org.apache.cassandra.cql3.functions">Function</a> function)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/service/ClientState.html#ensureHasPermission-
org.apache.cassandra.auth.Permission-org.apache.cassandra.auth.IResource-">ensureHasPermission</a></span>(<a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> perm,
          <a href="../../../../../org/apache/cassandra/auth/IResource.html" title="interface in
org.apache.cassandra.auth">IResource</a> resource)</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/service/ClientState.html#hasAllKeyspacesAccess-
org.apache.cassandra.auth.Permission-">hasAllKeyspacesAccess</a></span>(<a
href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> perm)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/service/ClientState.html#hasColumnFamilyAccess-
org.apache.cassandra.config.CFMetaData-org.apache.cassandra.auth.Permission-
">hasColumnFamilyAccess</a></span>(<a href="../../../../../org/apache/cassandra/config/CFMetaData.html"
title="class in org.apache.cassandra.config">CFMetaData</a> cfm,
          <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> perm)</code> </td>
</tr>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span
class="memberNameLink"><a
href="../../../../../org/apache/cassandra/service/ClientState.html#hasColumnFamilyAccess-java.lang.String-
java.lang.String-org.apache.cassandra.auth.Permission-
```

```
">hasColumnFamilyAccess</a></span>(java.lang.String keyspace,
              java.lang.String columnFamily,
              <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> perm)</code> </td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span
class="memberNameLink"><a href="../../../../../org/apache/cassandra/service/ClientState.html#hasKeyspaceAccess-
java.lang.String-org.apache.cassandra.auth.Permission-
">hasKeyspaceAccess</a></span>(java.lang.String keyspace,
              <a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Permission</a> perm)</code> </td>
</tr>
</tbody>
</table>
</li>
</ul>
</li>
</ul>
</div>
<!-- ======= START OF BOTTOM NAVBAR ====== -->
<div class="bottomNav"><a name="navbar.bottom">
<!--   -->
</a>
<div class="skipNav"><a href="#skip.navbar.bottom" title="Skip navigation links">Skip navigation
links</a></div>
<a name="navbar.bottom.firstrow">
<!--   -->
</a>
<ul class="navList" title="Navigation">
<li><a href="../../../../../overview-summary.html">Overview</a></li>
<li><a href="../package-summary.html">Package</a></li>
<li><a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in
org.apache.cassandra.auth">Class</a></li>
<li class="navBarCell1Rev">Use</li>
<li><a href="../../../../../overview-tree.html">Tree</a></li>
<li><a href="../../../../../deprecated-list.html">Deprecated</a></li>
<li><a href="../../../../../index-all.html">Index</a></li>
<li><a href="../../../../../help-doc.html">Help</a></li>
</ul>
</div>
<div class="subNav">
<ul class="navList">
<li>Prev</li>
<li>Next</li>
</ul>
<ul class="navList">
```

```
<li><a href="../../../../../index.html?org/apache/cassandra/auth/class-use/Permission.html"
target="_top">Frames</a></li>
<li><a href="Permission.html" target="_top">No Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_bottom">
<li><a href="../../../../../allclasses-noframe.html">All Classes</a></li>
</ul>
<div>
<script type="text/javascript"><!--
 allClassesLink = document.getElementById("allclasses_navbar_bottom");
 if(window==top) {
   allClassesLink.style.display = "block";
 }
 else {
   allClassesLink.style.display = "none";
 }
 //-->
</script>
</div>
<a name="skip.navbar.bottom">
<!--   -->
</a></div>
<!-- ======== END OF BOTTOM NAVBAR ======= -->
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</body>
</html>
```

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Special Recognition

One of the key reasons we got delayed on the CentOS-6 release was lack of
suitable build resources, especially when we had to repeatedly build large
chunks of code. Norwood S came forward and worked with me to
setup a large build machine, then tune the build process and help improve

the overall build, test and validate process we were using. This build
machine he donated to the project was about 5 times more capable than the
entire buildsystem we had. And he did this out of his own pocket, from
his own time, and has since upgraded the machine as well. It's now a 128GB,
48 core machine, with 4 SSD's and 4 sata disks : but the key metric is
that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver
CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix,
AZ, USA for his continued support for the project.

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 The Red Hat developers, without whom CentOS would look very different

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Support for streaming Protocol Buffer messages for the Go language (golang).
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2 setPermissionResolver9(Lorg/apache/shiro/authz/permission/PermissionResolver;)V

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2 setRolePermissionResolver=(Lorg/apache/shiro/authz/permission/RolePermissionResolver;)V

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 This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

 4. You may copy and distribute the Library (or a portion or
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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

 If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

 5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

 However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

 When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The

threshold for this to be true is not precisely defined by law.

 If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

 Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

 6. As an exception to the Sections above, you may also combine or
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  a) Accompany the work with the complete corresponding
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  changes were used in the work (which must be distributed under
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  with the Library, with the complete machine-readable "work that
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  executable containing the modified Library. (It is understood
  that the user who changes the contents of definitions files in the
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  b) Use a suitable shared library mechanism for linking with the
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  copy of the library already present on the user's computer system,
  rather than copying library functions into the executable, and (2)
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1.6 influxdb 1.2.4

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1.7 keycloak 3.4.3

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*/

package org.keycloak.authorization.protection.permission.representation;

import com.fasterxml.jackson.annotation.JsonProperty;

import java.util.Arrays;
import java.util.HashSet;
import java.util.Set;
```

```java
/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class PermissionRequest {

    @JsonProperty("resource_set_id")
    private final String resourceSetId;

    @JsonProperty("resource_set_name")
    private final String resourceSetName;

    private final Set<String> scopes;

    public PermissionRequest(String resourceSetId, String... scopes) {
        this.resourceSetId = resourceSetId;

        if (scopes != null) {
            this.scopes = new HashSet(Arrays.asList(scopes));
        } else {
            this.scopes = new HashSet<>();
        }

        this.resourceSetName = null;
    }

    public PermissionRequest() {
        this(null, null);
    }

    public String getResourceSetId() {
        return this.resourceSetId;
    }

    public String getResourceSetName() {
        return resourceSetName;
    }

    public Set<String> getScopes() {
        return this.scopes;
    }
}
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*/
package org.keycloak.authorization.permission.evaluator;

import java.util.List;

import org.keycloak.authorization.Decision;

```java
import org.keycloak.authorization.policy.evaluation.Result;

/**
 * An {@link PermissionEvaluator} represents a source of {@link
org.keycloak.authorization.permission.ResourcePermission}, responsible for emitting these permissions
 * to a consumer in order to evaluate the authorization policies based on a {@link
org.keycloak.authorization.policy.evaluation.EvaluationContext}.
 *
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public interface PermissionEvaluator {

    void evaluate(Decision decision);
    List<Result> evaluate();
}
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 */
package org.keycloak.authorization.permission.evaluator;

import java.util.Iterator;
import java.util.List;
import java.util.concurrent.atomic.AtomicReference;

import org.keycloak.authorization.Decision;
import org.keycloak.authorization.permission.ResourcePermission;
import org.keycloak.authorization.policy.evaluation.DecisionResultCollector;
import org.keycloak.authorization.policy.evaluation.EvaluationContext;
import org.keycloak.authorization.policy.evaluation.PolicyEvaluator;
import org.keycloak.authorization.policy.evaluation.Result;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
```

```java
class IterablePermissionEvaluator implements PermissionEvaluator {

  private final Iterator<ResourcePermission> permissions;
  private final EvaluationContext executionContext;
  private final PolicyEvaluator policyEvaluator;

  IterablePermissionEvaluator(Iterator<ResourcePermission> permissions, EvaluationContext executionContext,
PolicyEvaluator policyEvaluator) {
    this.permissions = permissions;
    this.executionContext = executionContext;
    this.policyEvaluator = policyEvaluator;
  }

  @Override
  public void evaluate(Decision decision) {
    try {
      while (this.permissions.hasNext()) {
        this.policyEvaluator.evaluate(this.permissions.next(), this.executionContext, decision);
      }
      decision.onComplete();
    } catch (Throwable cause) {
      decision.onError(cause);
    }
  }

  @Override
  public List<Result> evaluate() {
    AtomicReference<List<Result>> result = new AtomicReference<>();

    evaluate(new DecisionResultCollector() {
      @Override
      public void onError(Throwable cause) {
        throw new RuntimeException("Failed to evaluate permissions", cause);
      }

      @Override
      protected void onComplete(List<Result> results) {
        result.set(results);
      }
    });

    return result.get();
  }
}
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*/

package org.keycloak.authorization.permission.evaluator;

import java.util.List;

import org.keycloak.authorization.permission.ResourcePermission;
import org.keycloak.authorization.policy.evaluation.DefaultPolicyEvaluator;
import org.keycloak.authorization.policy.evaluation.EvaluationContext;

/**
* A factory for the different {@link PermissionEvaluator} implementations.
*
* @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
*/
public final class Evaluators {

  private final DefaultPolicyEvaluator policyEvaluator;

  public Evaluators(DefaultPolicyEvaluator policyEvaluator) {
     this.policyEvaluator = policyEvaluator;
  }

  public PermissionEvaluator from(List<ResourcePermission> permissions, EvaluationContext evaluationContext)
{
     return schedule(permissions, evaluationContext);
  }

  public PermissionEvaluator schedule(List<ResourcePermission> permissions, EvaluationContext
evaluationContext) {
     return new IterablePermissionEvaluator(permissions.iterator(), evaluationContext, this.policyEvaluator);
  }
}
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 */

package org.keycloak.authorization.permission;

import org.keycloak.authorization.model.Resource;
import org.keycloak.authorization.model.ResourceServer;
import org.keycloak.authorization.model.Scope;

import java.util.Collections;
import java.util.List;

/**
 * Represents a permission for a given resource.
 *
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class ResourcePermission {

    private final Resource resource;
    private final List<Scope> scopes;
    private ResourceServer resourceServer;

    public ResourcePermission(Resource resource, List<Scope> scopes, ResourceServer resourceServer) {
        this.resource = resource;
        this.scopes = scopes;
        this.resourceServer = resourceServer;
    }

    /**
     * Returns the resource to which this permission applies.
     *
     * @return the resource to which this permission applies
     */
    public Resource getResource() {
        return this.resource;
```

```
    }

    /**
     * Returns a list of permitted scopes associated with the resource
     *
     * @return a lit of permitted scopes
     */
    public List<Scope> getScopes() {
        return this.scopes;
    }

    /**
     * Returns the resource server associated with this permission.
     *
     * @return the resource server
     */
    public ResourceServer getResourceServer() {
        return this.resourceServer;
    }
}
```
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```
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 */
package org.keycloak.testsuite.console.page.clients.authorization.permission;

import org.keycloak.representations.idm.authorization.DecisionStrategy;
import org.keycloak.representations.idm.authorization.ResourcePermissionRepresentation;
```

```java
import org.keycloak.testsuite.console.page.fragment.ModalDialog;
import org.keycloak.testsuite.console.page.fragment.MultipleStringSelect2;
import org.keycloak.testsuite.console.page.fragment.OnOffSwitch;
import org.keycloak.testsuite.page.Form;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.ui.Select;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class ResourcePermissionForm extends Form {

    @FindBy(id = "name")
    private WebElement name;

    @FindBy(id = "description")
    private WebElement description;

    @FindBy(id = "decisionStrategy")
    private Select decisionStrategy;

    @FindBy(xpath = ".//div[@class='onoffswitch' and ./input[@id='applyToResourceTypeFlag']]")
    private OnOffSwitch resourceTypeSwitch;

    @FindBy(id = "resourceType")
    private WebElement resourceType;

    @FindBy(xpath = "//i[contains(@class,'pficon-delete')]")
    private WebElement deleteButton;

    @FindBy(xpath = "//div[@class='modal-dialog']")
    protected ModalDialog modalDialog;

    @FindBy(id = "s2id_policies")
    private MultipleStringSelect2 policySelect;

    @FindBy(id = "s2id_resources")
    private MultipleStringSelect2 resourceSelect;

    public void populate(ResourcePermissionRepresentation expected) {
        setInputValue(name, expected.getName());
        setInputValue(description, expected.getDescription());
        decisionStrategy.selectByValue(expected.getDecisionStrategy().name());

        resourceTypeSwitch.setOn(expected.getResourceType() != null);

        if (expected.getResourceType() != null) {
```

```java
            setInputValue(resourceType, expected.getResourceType());
        } else {
            resourceTypeSwitch.setOn(false);
            resourceSelect.update(expected.getResources());
        }

        policySelect.update(expected.getPolicies());

        save();
    }

    public void delete() {
        deleteButton.click();
        modalDialog.confirmDeletion();
    }

    public ResourcePermissionRepresentation toRepresentation() {
        ResourcePermissionRepresentation representation = new ResourcePermissionRepresentation();

        representation.setName(getInputValue(name));
        representation.setDescription(getInputValue(description));
representation.setDecisionStrategy(DecisionStrategy.valueOf(decisionStrategy.getFirstSelectedOption().getText().to
UpperCase()));
        representation.setPolicies(policySelect.getSelected());
        String inputValue = getInputValue(resourceType);

        if (!"".equals(inputValue)) {
            representation.setResourceType(inputValue);
        }

        representation.setResources(resourceSelect.getSelected());

        return representation;
    }
}
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```

package org.keycloak.authorization.protection.permission.representation;

```
/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class PermissionResponse {

  private final String ticket;

  public PermissionResponse(String ticket) {
    this.ticket = ticket;
  }

  public PermissionResponse() {
    this(null);
  }

  public String getTicket() {
    return this.ticket;
  }
}
```

package org.keycloak.testsuite.console.page.clients.authorization.permission;

import java.util.Set;

import java.util.function.Function;

import org.keycloak.representations.idm.authorization.DecisionStrategy;

```java
import org.keycloak.representations.idm.authorization.ScopePermissionRepresentation;
import org.keycloak.testsuite.console.page.fragment.ModalDialog;
import org.keycloak.testsuite.console.page.fragment.MultipleStringSelect2;
import org.keycloak.testsuite.console.page.fragment.SingleStringSelect2;
import org.keycloak.testsuite.page.Form;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.ui.Select;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class ScopePermissionForm extends Form {

    @FindBy(id = "name")
    private WebElement name;

    @FindBy(id = "description")
    private WebElement description;

    @FindBy(id = "decisionStrategy")
    private Select decisionStrategy;

    @FindBy(xpath = "//i[contains(@class,'pficon-delete')]")
    private WebElement deleteButton;

    @FindBy(xpath = "//div[@class='modal-dialog']")
    protected ModalDialog modalDialog;

    @FindBy(id = "s2id_policies")
    private MultipleStringSelect2 policySelect;

    @FindBy(id = "s2id_scopes")
    private MultipleStringSelect2 scopeSelect;

    @FindBy(id = "s2id_resourceScopes")
    private MultipleStringSelect2 resourceScopeSelect;

    @FindBy(id = "s2id_resources")
    private ResourceSelect resourceSelect;

    public void populate(ScopePermissionRepresentation expected) {
        setInputValue(name, expected.getName());
        setInputValue(description, expected.getDescription());
        decisionStrategy.selectByValue(expected.getDecisionStrategy().name());

        Set<String> resources = expected.getResources();
```

```java
        if (resources != null && !resources.isEmpty()) {
            resourceSelect.update(resources);
            resourceScopeSelect.update(expected.getScopes());
        } else {
            scopeSelect.update(expected.getScopes());
        }

        policySelect.update(expected.getPolicies());

        save();
    }

    public void delete() {
        deleteButton.click();
        modalDialog.confirmDeletion();
    }

    public ScopePermissionRepresentation toRepresentation() {
        ScopePermissionRepresentation representation = new ScopePermissionRepresentation();

        representation.setName(getInputValue(name));
        representation.setDescription(getInputValue(description));
representation.setDecisionStrategy(DecisionStrategy.valueOf(decisionStrategy.getFirstSelectedOption().getText().to
UpperCase()));
        representation.setPolicies(policySelect.getSelected());
        representation.setResources(resourceSelect.getSelected());
        representation.setScopes(scopeSelect.getSelected());
        representation.getScopes().addAll(resourceScopeSelect.getSelected());

        return representation;
    }

    public class ResourceSelect extends SingleStringSelect2 {
        @Override
        protected Function<WebElement, String> representation() {
            return super.representation().andThen(s -> "".equals(s) || s.contains("Any resource...") ? null : s);
        }
    }
}
/*
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```

```
package org.keycloak.testsuite.console.page.clients.authorization.permission;

import static org.openqa.selenium.By.tagName;

import java.util.ArrayList;
import java.util.List;

import org.keycloak.representations.idm.authorization.PolicyRepresentation;
import org.keycloak.testsuite.console.page.fragment.DataTable;
import org.openqa.selenium.WebElement;

/**
 *
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class PermissionsTable extends DataTable {

  public PolicyRepresentation findByName(String name) {
    search(name);
    List<PolicyRepresentation> result = getTableRows();
    if (result.isEmpty()) {
      return null;
    } else {
      assert 1 == result.size();
      return result.get(0);
    }
  }

  public boolean contains(String name) {
    for (PolicyRepresentation representation : getTableRows()) {
      if (name.equals(representation.getName())) {
        return true;
      }
    }
    return false;
  }

  public List<PolicyRepresentation> getTableRows() {
    List<PolicyRepresentation> rows = new ArrayList<>();
    for (WebElement row : rows()) {
      PolicyRepresentation representation = toRepresentation(row);
```

```java
            if (representation != null) {
                rows.add(representation);
            }
        }
        return rows;
    }

    public PolicyRepresentation toRepresentation(WebElement row) {
        PolicyRepresentation representation = null;
        List<WebElement> tds = row.findElements(tagName("td"));
        if (!(tds.isEmpty() || tds.get(0).getText().isEmpty())) {
            representation = new PolicyRepresentation();
            representation.setName(tds.get(0).getText());
            representation.setDescription(tds.get(1).getText());
            representation.setType(tds.get(2).getText());
        }
        return representation;
    }

}
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 */
package org.keycloak.testsuite.console.page.clients.authorization.permission;

import org.jboss.arquillian.graphene.page.Page;
import org.keycloak.representations.idm.authorization.AbstractPolicyRepresentation;
import org.keycloak.representations.idm.authorization.PolicyRepresentation;
import org.keycloak.representations.idm.authorization.ResourcePermissionRepresentation;
import org.keycloak.representations.idm.authorization.ScopePermissionRepresentation;
import org.keycloak.testsuite.console.page.clients.authorization.policy.PolicyTypeUI;
import org.keycloak.testsuite.page.Form;
import org.keycloak.testsuite.util.WaitUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
```

```java
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.ui.Select;

import static org.keycloak.testsuite.util.UIUtils.clickLink;
import static org.openqa.selenium.By.tagName;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class Permissions extends Form {

  @FindBy(css = "table[class*='table']")
  private PermissionsTable table;

  @FindBy(id = "create-permission")
  private Select createSelect;

  @Page
  private ResourcePermission resourcePermission;

  @Page
  private ScopePermission scopePermission;

  public PermissionsTable permissions() {
    return table;
  }

  public <P extends PolicyTypeUI> P create(AbstractPolicyRepresentation expected) {
    String type = expected.getType();

    createSelect.selectByValue(type);

    if ("resource".equals(type)) {
      resourcePermission.form().populate((ResourcePermissionRepresentation) expected);
      return (P) resourcePermission;
    } else if ("scope".equals(type)) {
      scopePermission.form().populate((ScopePermissionRepresentation) expected);
      return (P) scopePermission;
    }

    return null;
  }

  public void update(String name, AbstractPolicyRepresentation representation) {
    for (WebElement row : permissions().rows()) {
      PolicyRepresentation actual = permissions().toRepresentation(row);
      if (actual.getName().equalsIgnoreCase(name)) {
        clickLink(row.findElements(tagName("a")).get(0));
```

```java
            WaitUtils.waitForPageToLoad();
            String type = representation.getType();

            if ("resource".equals(type)) {
                resourcePermission.form().populate((ResourcePermissionRepresentation) representation);
            } else if ("scope".equals(type)) {
                scopePermission.form().populate((ScopePermissionRepresentation) representation);
            }

            return;
        }
    }
}

public <P extends PolicyTypeUI> P name(String name) {
    for (WebElement row : permissions().rows()) {
        PolicyRepresentation actual = permissions().toRepresentation(row);
        if (actual.getName().equalsIgnoreCase(name)) {
            clickLink(row.findElements(tagName("a")).get(0));
            WaitUtils.waitForPageToLoad();
            String type = actual.getType();
            if ("resource".equals(type)) {
                return (P) resourcePermission;
            } else if ("scope".equals(type)) {
                return (P) scopePermission;
            }
        }
    }
    return null;
}

public void delete(String name) {
    for (WebElement row : permissions().rows()) {
        PolicyRepresentation actual = permissions().toRepresentation(row);
        if (actual.getName().equalsIgnoreCase(name)) {
            clickLink(row.findElements(tagName("a")).get(0));
            WaitUtils.waitForPageToLoad();

            String type = actual.getType();

            if ("resource".equals(type)) {
                resourcePermission.form().delete();
            } else if ("scope".equals(type)) {
                scopePermission.form().delete();
            }

            return;
        }
```

```java
        }
    }

    public void deleteFromList(String name) {
        for (WebElement row : permissions().rows()) {
            PolicyRepresentation actual = permissions().toRepresentation(row);
            if (actual.getName().equalsIgnoreCase(name)) {
                row.findElements(tagName("td")).get(4).click();
                driver.findElement(By.xpath(".//button[text()='Delete']")).click();
                return;
            }
        }
    }
}
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 */
package org.keycloak.testsuite.console.page.clients.authorization.permission;

import org.jboss.arquillian.graphene.page.Page;
import org.keycloak.representations.idm.authorization.ResourcePermissionRepresentation;
import org.keycloak.representations.idm.authorization.ScopePermissionRepresentation;
import org.keycloak.testsuite.console.page.clients.authorization.policy.PolicyTypeUI;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class ScopePermission implements PolicyTypeUI {

    @Page
    private ScopePermissionForm form;

    public ScopePermissionForm form() {
        return form;
    }
```

```java
  public ScopePermissionRepresentation toRepresentation() {
    return form.toRepresentation();
  }

  public void update(ScopePermissionRepresentation expected) {
    form().populate(expected);
  }
}
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 */
package org.keycloak.testsuite.console.page.clients.authorization.permission;

import org.jboss.arquillian.graphene.page.Page;
import org.keycloak.representations.idm.authorization.JSPolicyRepresentation;
import org.keycloak.representations.idm.authorization.ResourcePermissionRepresentation;
import org.keycloak.testsuite.console.page.clients.authorization.policy.PolicyTypeUI;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class ResourcePermission implements PolicyTypeUI {

  @Page
  private ResourcePermissionForm form;

  public ResourcePermissionForm form() {
    return form;
  }

  public ResourcePermissionRepresentation toRepresentation() {
    return form.toRepresentation();
  }
```

```java
    public void update(ResourcePermissionRepresentation expected) {
        form().populate(expected);
    }
}
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*/
package org.keycloak.authorization.protection.permission;

import org.keycloak.authorization.AuthorizationProvider;
import org.keycloak.authorization.common.KeycloakIdentity;
import org.keycloak.authorization.model.ResourceServer;
import org.keycloak.authorization.protection.permission.representation.PermissionRequest;

import javax.ws.rs.Consumes;
import javax.ws.rs.POST;
import javax.ws.rs.Produces;
import javax.ws.rs.core.Response;
import java.util.List;

/**
* @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
*/
public class PermissionsService extends AbstractPermissionService {

    public PermissionsService(KeycloakIdentity identity, ResourceServer resourceServer, AuthorizationProvider
authorization) {
        super(identity, resourceServer, authorization);
    }

    @POST
    @Consumes("application/json")
    @Produces("application/json")
    public Response create(List<PermissionRequest> request) {
```

```java
      return super.create(request);
  }
}
/*
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*/
package org.keycloak.authorization.protection.permission;

import org.keycloak.authorization.AuthorizationProvider;
import org.keycloak.authorization.common.KeycloakIdentity;
import org.keycloak.authorization.model.Resource;
import org.keycloak.authorization.model.ResourceServer;
import org.keycloak.authorization.model.Scope;
import org.keycloak.authorization.protection.permission.representation.PermissionRequest;
import org.keycloak.authorization.protection.permission.representation.PermissionResponse;
import org.keycloak.authorization.store.StoreFactory;
import org.keycloak.jose.jws.JWSBuilder;
import org.keycloak.models.KeyManager;
import org.keycloak.representations.idm.authorization.ResourceRepresentation;
import org.keycloak.representations.idm.authorization.ScopeRepresentation;
import org.keycloak.services.ErrorResponseException;

import javax.ws.rs.core.Response;
import java.util.List;
import java.util.Set;
import java.util.stream.Collectors;

/**
* @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
*/
public class AbstractPermissionService {

  private final AuthorizationProvider authorization;
  private final KeycloakIdentity identity;
  private final ResourceServer resourceServer;
```

```
public AbstractPermissionService(KeycloakIdentity identity, ResourceServer resourceServer,
AuthorizationProvider authorization) {
    this.identity = identity;
    this.resourceServer = resourceServer;
    this.authorization = authorization;
}

public Response create(List<PermissionRequest> request) {
    if (request == null) {
        throw new ErrorResponseException("invalid_permission_request", "Invalid permission request.",
Response.Status.BAD_REQUEST);
    }

    List<ResourceRepresentation> resource = verifyRequestedResource(request);

    return Response.status(Response.Status.CREATED).entity(new
PermissionResponse(createPermissionTicket(resource))).build();
}

private List<ResourceRepresentation> verifyRequestedResource(List<PermissionRequest> request) {
    StoreFactory storeFactory = authorization.getStoreFactory();
    return request.stream().map(request1 -> {
        String resourceSetId = request1.getResourceSetId();
        String resourceSetName = request1.getResourceSetName();
        boolean resourceNotProvided = resourceSetId == null && resourceSetName == null;

        if (resourceNotProvided) {
            if ((request1.getScopes() == null || request1.getScopes().isEmpty())) {
                throw new ErrorResponseException("invalid_resource_set_id", "Resource id or name not provided.",
Response.Status.BAD_REQUEST);
            }
        }

        Resource resource = null;

        if (!resourceNotProvided) {
            if (resourceSetId != null) {
                resource = storeFactory.getResourceStore().findById(resourceSetId, resourceServer.getId());
            } else {
                resource = storeFactory.getResourceStore().findByName(resourceSetName, this.resourceServer.getId());
            }

            if (resource == null) {
                if (resourceSetId != null) {
                    throw new ErrorResponseException("nonexistent_resource_set_id", "Resource set with id[" +
resourceSetId + "] does not exists in this server.", Response.Status.BAD_REQUEST);
                } else {
```

```java
                throw new ErrorResponseException("nonexistent_resource_set_name", "Resource set with name[" +
resourceSetName + "] does not exists in this server.", Response.Status.BAD_REQUEST);
            }
        }
    }

        Set<ScopeRepresentation> scopes = verifyRequestedScopes(request1, resource);

        if (resource != null) {
            if (scopes.isEmpty() && !request1.getScopes().isEmpty()) {
                return new ResourceRepresentation(null,
request1.getScopes().stream().map(ScopeRepresentation::new).collect(Collectors.toSet()));
            }
            return new ResourceRepresentation(resource.getName(), scopes);
        }

        return new ResourceRepresentation(null, scopes);
    }).collect(Collectors.toList());
}

    private Set<ScopeRepresentation> verifyRequestedScopes(PermissionRequest request, Resource resource) {
        return request.getScopes().stream().map(scopeName -> {
            if (resource != null) {
                for (Scope scope : resource.getScopes()) {
                    if (scope.getName().equals(scopeName)) {
                        return new ScopeRepresentation(scopeName);
                    }
                }

                for (Resource baseResource :
authorization.getStoreFactory().getResourceStore().findByType(resource.getType(), resourceServer.getId())) {
                    if (baseResource.getOwner().equals(resource.getResourceServer().getId())) {
                        for (Scope baseScope : baseResource.getScopes()) {
                            if (baseScope.getName().equals(scopeName)) {
                                return new ScopeRepresentation(scopeName);
                            }
                        }
                    }
                }

                return null;
            } else {
                return new ScopeRepresentation(scopeName);
            }
        }).filter(scopeRepresentation -> scopeRepresentation != null).collect(Collectors.toSet());
    }

    private String createPermissionTicket(List<ResourceRepresentation> resources) {
```

```java
    KeyManager.ActiveRsaKey keys =
this.authorization.getKeycloakSession().keys().getActiveRsaKey(this.authorization.getRealm());
    return new JWSBuilder().kid(keys.getKid()).jsonContent(new PermissionTicket(resources,
this.resourceServer.getId(), this.identity.getAccessToken()))
        .rsa256(keys.getPrivateKey());
  }
}
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 */
package org.keycloak.authorization.protection.permission;

import org.keycloak.authorization.AuthorizationProvider;
import org.keycloak.authorization.common.KeycloakIdentity;
import org.keycloak.authorization.model.ResourceServer;
import org.keycloak.authorization.protection.permission.representation.PermissionRequest;

import javax.ws.rs.Consumes;
import javax.ws.rs.POST;
import javax.ws.rs.Produces;
import javax.ws.rs.core.Response;
import java.util.Arrays;

/**
 * @author <a href="mailto:psilva@redhat.com">Pedro Igor</a>
 */
public class PermissionService extends AbstractPermissionService {

  public PermissionService(KeycloakIdentity identity, ResourceServer resourceServer, AuthorizationProvider
authorization) {
    super(identity, resourceServer, authorization);
  }

  @POST
```

```
  @Consumes("application/json")
  @Produces("application/json")
  public Response create(PermissionRequest request) {
    return create(Arrays.asList(request));
  }

}
```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>

<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
<pre>
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</body>
</html>
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  <ol class="breadcrumb">
    <li><a href="#/realms/{{realm.realm}}/clients">{{:: 'clients' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}">{{client.clientId}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server">{{:: 'authz-authorization' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server/permission">{{:: 'authz-permissions' | translate}}</a></li>
  </ol>

  <kc-tabs-resource-server></kc-tabs-resource-server>

  <table class="table table-striped table-bordered">
    <thead>
      <tr>
        <th class="kc-table-actions" colspan="5">
          <div class="form-inline">
            <div class="form-group">
              {{:: 'filter' | translate}}:  
              <div class="input-group">
                <input type="text" placeholder="{{:: 'name' | translate}}" data-ng-model="query.name" class="form-control search" onkeydown="if (event.keyCode == 13)
```

```
document.getElementById('policySearch').click()">
                <div class="input-group-addon">
                  <i class="fa fa-search" id="policySearch" type="submit" data-ng-click="firstPage()"></i>
                </div>
              </div>
              <div class="input-group">
                <input type="text" placeholder="{{:: 'authz-resource' | translate}}" data-ng-
model="query.resource" class="form-control search" onkeydown="if (event.keyCode == 13)
document.getElementById('policySearch').click()">
                <div class="input-group-addon">
                  <i class="fa fa-search" type="submit" data-ng-click="firstPage()"></i>
                </div>
              </div>
              <div class="input-group">
                <input type="text" placeholder="{{:: 'authz-scope' | translate}}" data-ng-model="query.scope"
class="form-control search" onkeydown="if (event.keyCode == 13)
document.getElementById('policySearch').click()">
                <div class="input-group-addon">
                  <i class="fa fa-search" type="submit" data-ng-click="firstPage()"></i>
                </div>
              </div>
              <div class="input-group">
                <select class="form-control search" data-ng-model="query.type"
                    ng-options="p.type as p.name group by p.group for p in policyProviders track by p.type"
data-ng-change="firstPage()">
                  <option value="" selected ng-click="query.type = ''">{{:: 'authz-all-types' |
translate}}</option>
                </select>
              </div>
            </div>
            <div class="input-group">
              <select class="form-control search" data-ng-model="detailsFilter" data-ng-
change="searchQuery();">
                <option value="" selected>Hide Details</option>
                <option value="true">Show Details</option>
              </select>
            </div>
            <div class="pull-right">
              <select class="form-control" ng-model="policyType"
                  ng-options="p.name for p in policyProviders track by p.type"
                  id="create-permission"
                  data-ng-change="addPolicy(policyType);">
                <option value="" disabled selected>{{:: 'authz-create-permission' | translate}}...</option>
              </select>
            </div>
          </div>
        </th>
      </tr>
```

```html
<tr data-ng-hide="policies.length == 0">
  <th>{{:: 'name' | translate}}</th>
  <th>{{:: 'description' | translate}}</th>
  <th>{{:: 'type' | translate}}</th>
  <th colspan="3">{{:: 'actions' | translate}}</th>
</tr>
</thead>
<tfoot data-ng-show="policies && (policies.length >= query.max || query.first > 0)">
<tr>
  <td colspan="8">
    <div class="table-nav">
      <button data-ng-click="firstPage()" class="first" ng-disabled="query.first == 0">{{:: 'first-page' | translate}}</button>
      <button data-ng-click="previousPage()" class="prev" ng-disabled="query.first == 0">{{:: 'previous-page' | translate}}</button>
      <button data-ng-click="nextPage()" class="next" ng-disabled="policies.length < query.max">{{:: 'next-page' | translate}}</button>
    </div>
  </td>
</tr>
</tfoot>
<tbody>
  <tr ng-repeat-start="policy in policies | filter: {name: search.name, type: search.type} | orderBy:'name'">
    <td><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server/permission/{{policy.type}}/{{policy.id}}">{{policy.name}}</a></td>
    <td>{{policy.description}}</td>
    <td>{{policy.type}}</td>
    <td ng-if="!policy.details.loaded" class="kc-action-cell" data-ng-click="showDetails(policy);">
      {{:: 'authz-show-details' | translate}}
    </td>
    <td ng-if="policy.details.loaded" class="kc-action-cell" data-ng-click="showDetails(policy);">
      {{:: 'authz-hide-details' | translate}}
    </td>
    <td class="kc-action-cell" ng-click="delete(policy);">
      {{:: 'delete' | translate}}
    </td>
  </tr>
  <tr ng-if="policy.details && policy.details.loaded" ng-repeat-end="">
    <td colspan="5">
      <div id="details">
        <table class="table kc-authz-table-expanded table-striped">
          <thead>
          <tr>
            <th>Associated Policies</th>
          </tr>
          </thead>
          <tbody>
          <tr>
```

```
<td>
    <span data-ng-show="policy.associatedPolicies && !policy.associatedPolicies.length">{{::
'authz-no-permission-assigned' | translate}}</span>
        <ul ng-repeat="dep in policy.associatedPolicies" data-ng-
show="policy.associatedPolicies.length > 0">
            <li>
                <a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-
server/policy/{{dep.type}}/{{dep.id}}">{{dep.name}}</a>
            </li>
        </ul>
    </td>
</tr>
</tbody>
</table>
</div>
</td>
</tr>
<tr data-ng-show="(policies | filter:search).length == 0">
    <td class="text-muted" colspan="3" data-ng-show="search.name">{{:: 'no-results' | translate}}</td>
    <td class="text-muted" colspan="3" data-ng-hide="search.name">{{:: 'authz-no-permissions-available' |
translate}}</td>
</tr>
</tbody>
</table>
</div>

<kc-menu></kc-menu>
<div class="col-sm-9 col-md-10 col-sm-push-3 col-md-push-2">

<ol class="breadcrumb">
    <li><a href="#/realms/{{realm.realm}}/clients">{{:: 'clients' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}">{{client.clientId}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server">{{:: 'authz-authorization' |
translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server/permission">{{:: 'authz-
permissions' | translate}}</a></li>
    <li data-ng-show="create">{{:: 'authz-add-scope-permission' | translate}}</li>
    <li data-ng-hide="create">{{originalPolicy.name}}</li>
</ol>

<h1 data-ng-show="create">{{:: 'authz-add-scope-permission' | translate}}</h1>
<h1 data-ng-hide="create">{{originalPolicy.name|capitalize}}<i class="pficon pficon-delete clickable" data-ng-
click="remove()"></i></h1>

<form class="form-horizontal" name="clientForm" novalidate>
    <fieldset class="border-top">
        <div class="form-group">
            <label class="col-md-2 control-label" for="name">{{:: 'name' | translate}} <span
```

```
class="required">*</span></label>
        <div class="col-sm-6">
            <input class="form-control" type="text" id="name" name="name" data-ng-model="policy.name"
autofocus required data-ng-blur="checkNewNameAvailability()">
        </div>
        <kc-tooltip>{{:: 'authz-permission-name.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group">
        <label class="col-md-2 control-label" for="description">{{:: 'description' | translate}} </label>
        <div class="col-sm-6">
            <input class="form-control" type="text" id="description" name="description" data-ng-
model="policy.description">
        </div>
        <kc-tooltip>{{:: 'authz-permission-description.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix">
        <label class="col-md-2 control-label" for="resources">{{:: 'authz-resource' | translate}}</label>


        <div class="col-md-6">
            <input type="hidden" ui-select2="resourcesUiSelect" data-ng-change="selectResource()"
id="resources" data-ng-model="selectedResource" data-placeholder="{{:: 'authz-any-resource' | translate}}..." />
        </div>
        <kc-tooltip>{{:: 'authz-permission-scope-resource.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix" data-ng-show="selectedResource">
        <label class="col-md-2 control-label" for="resourceScopes">{{:: 'authz-scopes' | translate}} <span
class="required">*</span></label>
        <div class="col-md-6">
            <select ui-select2 id="resourceScopes"
                data-ng-model="selectedScopes"
                data-placeholder="{{:: 'authz-any-scope' | translate}}..." multiple
                data-ng-required="selectedResource != null">
            <option ng-repeat="scope in resourceScopes" value="{{scope.id}}">{{scope.name}}</option>
            </select>
        </div>
        <kc-tooltip>{{:: 'authz-permission-scope-scope.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix" data-ng-show="!selectedResource">
        <label class="col-md-2 control-label" for="scopes">{{:: 'authz-scopes' | translate}} <span
class="required">*</span></label>


        <div class="col-md-6">
            <input type="hidden" ui-select2="scopesUiSelect" id="scopes" data-ng-model="selectedScopes" data-
placeholder="{{:: 'authz-any-scope' | translate}}..." multiple data-ng-required="selectedResource == null" />
        </div>
        <kc-tooltip>{{:: 'authz-permission-scope-scope.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix">
```

```html
<label class="col-md-2 control-label" for="policies">{{:: 'authz-policy-apply-policy' | translate}} <span class="required">*</span></label>

    <div class="col-md-6">
        <input type="hidden" ui-select2="policiesUiSelect" id="policies" data-ng-model="selectedPolicies" data-placeholder="{{:: 'authz-select-a-policy' | translate}}..." multiple required />
    </div>

    <kc-tooltip>{{:: 'authz-policy-apply-policy.tooltip' | translate}}</kc-tooltip>
</div>
<div class="form-group clearfix">
    <label class="col-md-2 control-label" for="decisionStrategy">{{:: 'authz-policy-decision-strategy' | translate}}</label>

    <div class="col-sm-2">
        <select class="form-control" id="decisionStrategy"
                data-ng-model="policy.decisionStrategy"
                ng-change="selectDecisionStrategy()">
            <option value="UNANIMOUS">{{:: 'authz-policy-decision-strategy-unanimous' | translate}}</option>
            <option value="AFFIRMATIVE">{{:: 'authz-policy-decision-strategy-affirmative' | translate}}</option>
            <option value="CONSENSUS">{{:: 'authz-policy-decision-strategy-consensus' | translate}}</option>
        </select>
    </div>

    <kc-tooltip>{{:: 'authz-policy-decision-strategy.tooltip' | translate}}</kc-tooltip>
</div>
<input type="hidden" data-ng-model="policy.type"/>
</fieldset>
<div class="form-group" data-ng-show="access.manageAuthorization">
    <div class="col-md-10 col-md-offset-2">
        <button kc-save data-ng-disabled="!changed || ((selectedPolicies == null || selectedPolicies.length == 0) || (selectedScopes == null || selectedScopes.length == 0))">{{:: 'save' | translate}}</button>
        <button kc-reset data-ng-disabled="!changed">{{:: 'cancel' | translate}}</button>
    </div>
</div>
</div>
</form>
</div>

<kc-menu></kc-menu>
```

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in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain
that everyone understands that there is no warranty for this free
library. If the library is modified by someone else and passed on, we
want its recipients to know that what they have is not the original
version, so that any problems introduced by others will not reflect on
the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that companies distributing free
software will individually obtain patent licenses, thus in effect
transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must be licensed for everyone's

free use or not licensed at all.

 Most GNU software, including some libraries, is covered by the ordinary
GNU General Public License, which was designed for utility programs. This
license, the GNU Library General Public License, applies to certain
designated libraries. This license is quite different from the ordinary
one; be sure to read it in full, and don't assume that anything in it is
the same as in the ordinary license.

 The reason we have a separate public license for some libraries is that
they blur the distinction we usually make between modifying or adding to a
program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is
analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a
derivative of the original library, and the ordinary General Public License
treats it as such.

 Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

 However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the
libraries themselves. This Library General Public License is intended to
permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve
this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

 The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, while the latter only
works together with the library.

 Note that it is possible for a library to be covered by the ordinary
General Public License rather than by this special one.

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 0. This License Agreement applies to any software library which
contains a notice placed by the copyright holder or other authorized
party saying it may be distributed under the terms of this Library

General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

 3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify

that version instead if you wish.) Do not make any other change in
these notices.

 Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

 This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

 4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

 If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

 5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

 However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

 When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

 If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,

the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

 It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

 7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

  a) Accompany the combined library with a copy of the same work
  based on the Library, uncombined with any other library
  facilities. This must be distributed under the terms of the
  Sections above.

  b) Give prominent notice with the combined library of the fact
  that part of it is a work based on the Library, and explaining
  where to find the accompanying uncombined form of the same work.

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and the section as a whole is intended to apply in other circumstances.

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such claims; this section has the sole purpose of protecting the
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to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

  12. If the distribution and/or use of the Library is restricted in
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original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
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written in the body of this License.

  13. The Free Software Foundation may publish revised and/or new
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END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting

redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

 To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

  <one line to give the library's name and a brief idea of what it does.>
  Copyright (C) <year> <name of author>

  This library is free software; you can redistribute it and/or
  modify it under the terms of the GNU Library General Public
  License as published by the Free Software Foundation; either
  version 2 of the License, or (at your option) any later version.

  This library is distributed in the hope that it will be useful,
  but WITHOUT ANY WARRANTY; without even the implied warranty of
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  You should have received a copy of the GNU Library General Public
  License along with this library; if not, write to the Free Software
  Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

 Yoyodyne, Inc., hereby disclaims all copyright interest in the
 library `Frob' (a library for tweaking knobs) written by James Random Hacker.

 <signature of Ty Coon>, 1 April 1990
 Ty Coon, President of Vice

That's all there is to it!
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org/keycloak/jose/jws/JWSBuilderCDEFAorg/keycloak/authorization/protection/permission/PermissionTicketGHDIJK[LMOPQRST.UVWXYZ[&org/keycloak/authorization/model/Scope\D]3Borg/keycloak/representations/idm/authorization/ScopeRepresentation^_`aDbcd)org/keycloak/authorization/model/ResourceeDfghDiDjYinvalid_resource_set_id!Resource id or name not provided.klmlnonexistent_resource_set_idjava/lang/StringBuilderResource set with id[no!] does not exists in this server.pDnonexistent_resource_set_nameResource set with name[rsEorg/keycloak/representations/idm/authorization/ResourceRepresentation7#q[rJorg/keycloak/authorization/protection/permission/AbstractPermissionServicejava/lang/Object+org/keycloak/models/KeyManager$ActiveRsaKeyjava/util/Iteratorjava/lang/String()V

javax/ws/rs/core/Response$StatusStatusBAD_REQUEST"Ljavax/ws/rs/core/Response$Status;I(Ljava/lang/String;Ljava/lang/String;Ljavax/ws/rs/core/Response$Status;)VCREATEDjavax/ws/rs/core/ResponsestatusResponseBuilderO(Ljavax/ws/rs/core/Response$Status;)Ljavax/ws/rs/core/Response$ResponseBuilder;(Ljava/lang/String;)V)javax/ws/rs/core/Response$ResponseBuilderentity?(Ljava/lang/Object;)Ljavax/ws/rs/core/Response$ResponseBuilder;build()Ljavax/ws/rs/core/Response;0org/keycloak/authorization/AuthorizationProvidergetStoreFactory1()Lorg/keycloak/authorization/store/StoreFactory;stream()Ljava/util/stream/Stream;

st&(Ljava/lang/Object;)Ljava/lang/Object;

Su(Lorg/keycloak/authorization/protection/permission/representation/PermissionRequest;)Lorg/keycloak/representations/idm/authorization/ResourceRepresentation;apply(Lorg/keycloak/authorization/protection/permission/AbstractPermissionService;Lorg/keycloak/authorization/store/StoreFactory;)Ljava/util/function/Function;java/util/stream/Streammap8(Ljava/util/function/Function;)Ljava/util/stream/Stream;java/util/stream/CollectorstoList()Ljava/util/stream/Collector;collect0(Ljava/util/stream/Collector;)Ljava/lang/Object;Qorg/keycloak/authorization/protection/permission/representation/PermissionRequest getScopes()Ljava/util/Set;

SvX(Ljava/lang/String;)Lorg/keycloak/representations/idm/authorization/ScopeRepresentation;(Lorg/keycloak/authorization/protection/permission/AbstractPermissionService;Lorg/keycloak/authorization/model/Resource;)Ljava/util/function/Function;(Ljava/lang/Object;)Z

Swtest

()Ljava/util/function/Predicate;filter9(Ljava/util/function/Predicate;)Ljava/util/stream/Stream;toSetgetKeycloakSession'()Lorg/keycloak/models/KeycloakSession;#org/keycloak/models/KeycloakSession"()Lorg/keycloak/models/Key

Manager;getRealm"()Lorg/keycloak/models/RealmModel;org/keycloak/models/KeyManagergetActiveRsaKeyO(Lo rg/keycloak/models/RealmModel;)Lorg/keycloak/models/KeyManager$ActiveRsaKey;getKid()Ljava/lang/String;ki d6(Ljava/lang/String;)Lorg/keycloak/jose/jws/JWSBuilder;/org/keycloak/authorization/model/ResourceServergetId2 org/keycloak/authorization/common/KeycloakIdentitygetAccessToken,()Lorg/keycloak/representations/AccessToke n;O(Ljava/util/List;Ljava/lang/String;Lorg/keycloak/representations/AccessToken;)VjsonContentEncodingBuilderF (Ljava/lang/Object;)Lorg/keycloak/jose/jws/JWSBuilder$EncodingBuilder;

getPrivateKey()Ljava/security/PrivateKey;0org/keycloak/jose/jws/JWSBuilder$EncodingBuilderrsa256.(Ljava/secu rity/PrivateKey;)Ljava/lang/String;()Ljava/util/List;iterator()Ljava/util/Iterator;hasNext()Znext()Ljava/lang/Object;g etNameequals-

org/keycloak/authorization/store/StoreFactorygetResourceStore2()Lorg/keycloak/authorization/store/ResourceStore; getType.org/keycloak/authorization/store/ResourceStore

findByType6(Ljava/lang/String;Ljava/lang/String;)Ljava/util/List;getOwnergetResourceServer3()Lorg/keycloak/aut horization/model/ResourceServer;getResourceSetIdgetResourceSetNameisEmptyfindByIdQ(Ljava/lang/String;Ljav a/lang/String;)Lorg/keycloak/authorization/model/Resource;

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(Ljava/lang/String;)Ljava/lang/StringBuilder;toString()Ljava/util/function/Function;$(Ljava/lang/String;Ljava/util/S et;)Vxy|"java/lang/invoke/LambdaMetafactorymetafactory~Lookup(Ljava/lang/invoke/MethodHandles$Lookup;Lja va/lang/String;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodHandle;Lj ava/lang/invoke/MethodType;)Ljava/lang/invoke/CallSite;%java/lang/invoke/MethodHandles$Lookupjava/lang/inv oke/MethodHandles!STUVWXYZ[\]l**+*,*-^/0 123_*`aWXYZUVbc]2+Y *+

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authorization2Lorg/keycloak/authorization/AuthorizationProvider;create-

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uthorization/policy/evaluation/DecisionResultCollectorKorg/keycloak/authorization/permission/evaluator/IterablePe
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StackMapTableC()Ljava/util/List;result-

Ljava/util/concurrent/atomic/AtomicReference;vLjava/util/concurrent/atomic/AtomicReference<Ljava/util/List<Lorg/keycloak/authorization/policy/evaluation/Result;>;>;I()Ljava/util/List<Lorg/keycloak/authorization/policy/evaluation/Result;>;

SourceFile

IterablePermissionEvaluator.javaNOPQRS8org/keycloak/authorization/permission/ResourcePermissionT(UVWNjava/lang/ThrowableXY+java/util/concurrent/atomic/AtomicReferenceMorg/keycloak/authorization/permission/evaluator/IterablePermissionEvaluator$1Z()[Sjava/util/ListKorg/keycloak/authorization/permission/evaluator/IterablePermissionEvaluatorjava/lang/ObjectCorg/keycloak/authorization/permission/evaluator/PermissionEvaluator()Vjava/util/IteratorhasNext()Znext()Ljava/lang/Object;<org/keycloak/authorization/policy/evaluation/PolicyEvaluator(Lorg/keycloak/authorization/permission/ResourcePermission;Lorg/keycloak/authorization/policy/evaluation/EvaluationContext;Lorg/keycloak/authorization/Decision;)V#org/keycloak/authorization/Decision

onCompleteonError(Ljava/lang/Throwable;)V}(Lorg/keycloak/authorization/permission/evaluator/IterablePermissionEvaluator;Ljava/util/concurrent/atomic/AtomicReference;)Vget !~**+*,*.-"() *+,#*$%&'()!;* ***++ M+,/2 "12)4/72536:8# 3*+;$%;,-. (H/(0!kY

L*Y*++"<>J#$%12&13456

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evaluate((Lorg/keycloak/authorization/Decision;)V()Ljava/util/List;

SignatureI()Ljava/util/List<Lorg/keycloak/authorization/policy/evaluation/Result;>;

SourceFilePermissionEvaluator.javaCorg/keycloak/authorization/permission/evaluator/PermissionEvaluatorjava/lang/Object

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%&'policyEvaluatorELorg/keycloak/authorization/policy/evaluation/DefaultPolicyEvaluator;<init>H(Lorg/keycloak/authorization/policy/evaluation/DefaultPolicyEvaluator;)VCodeLineNumberTableLocalVariableTablethis<Lorg/keycloak/authorization/permission/evaluator/Evaluators;from(Ljava/util/List;Lorg/keycloak/authorization/policy/evaluation/EvaluationContext;)Lorg/keycloak/authorization/permission/evaluator/PermissionEvaluator;permissionsLjava/util/List;evaluationContext@Lorg/keycloak/authorization/policy/evaluation/EvaluationContext;LocalVariableTypeTableLLjava/util/List<Lorg/keycloak/authorization/permission/ResourcePermission;>;

Signature(Ljava/util/List<Lorg/keycloak/authorization/permission/ResourcePermission;>;Lorg/keycloak/authorization/policy/evaluation/EvaluationContext;)Lorg/keycloak/authorization/permission/evaluator/PermissionEvaluator;schedule

SourceFileEvaluators.java(

Korg/keycloak/authorization/permission/evaluator/IterablePermissionEvaluator)*+,:org/keycloak/authorization/permission/evaluator/Evaluatorsjava/lang/Object()Vjava/util/Listiterator()Ljava/util/Iterator;(Ljava/util/Iterator;Lorg/keycloak/authorization/policy/evaluation/EvaluationContext;Lorg/keycloak/authorization/policy/evaluation/PolicyEvaluator;)V1

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model/ResourceServer;claimsLjava/util/Map;FLjava/util/Map<Ljava/lang/String;Ljava/util/Set<Ljava/lang/String;>
;>;<init>o(Lorg/keycloak/authorization/model/Resource;Ljava/util/List;Lorg/keycloak/authorization/model/Resourc
eServer;)VCodeLineNumberTableLocalVariableTablethis:Lorg/keycloak/authorization/permission/ResourcePermis
sion;LocalVariableTypeTable(Lorg/keycloak/authorization/model/Resource;Ljava/util/List<Lorg/keycloak/authoriz
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()Lorg/keycloak/authorization/model/Resource;
getScopes()Ljava/util/List;<()Ljava/util/List<Lorg/keycloak/authorization/model/Scope;>;getResourceServer3()Lor
g/keycloak/authorization/model/ResourceServer; getClaims()Ljava/util/Map;
StackMapTableH()Ljava/util/Map<Ljava/lang/String;Ljava/util/Set<Ljava/lang/String;>;>;addClaim'(Ljava/lang/Str
ing;Ljava/lang/String;)ZnameLjava/lang/String;valueremoveClaim(Ljava/lang/String;)Vlambda$addClaim$0#(Ljav
a/lang/String;)Ljava/util/Set;key
SourceFileResourcePermission.javaUVW/XYjava/util/HashMapBootstrapMethodsZ[\:]^_`a
java/util/Setbcd[java/util/HashSet8org/keycloak/authorization/permission/ResourcePermissionjava/lang/Object()Vja
va/util/CollectionsemptyMapunmodifiableMap (Ljava/util/Map;)Ljava/util/Map;
ef&(Ljava/lang/Object;)Ljava/lang/Object;
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~>;*@;D}java/util/HashSetjava/util/StringTokenizer,.;java/lang/StringBufferPermission: ("",

"")N;1org/apache/tools/ant/types/Permissions$Permissionjava/lang/Objectjava/lang/Stringtrimlength()IgetClass()Ljava/lang/Class;java/lang/Classequals(Ljava/lang/Object;)ZendsWith(Ljava/lang/String;)Zjava/security/Permission

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hasMoreTokens()Z

nextTokenaddappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;,(Ljava/lang/Object;)Ljava/lang/StringBuffer;&org/apache/tools/ant/types/Permissions!&'()*)+),-

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nameLjava/lang/String;emailurlorganizationorganizationUrlrolesLjava/util/List;

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propertiesLjava/util/Properties;

locationsLjava/util/Map;ILjava/util/Map<Ljava/lang/Object;Lorg/apache/maven/model/InputLocation;>;<init>()VCodeLineNumberTableLocalVariableTablethis$Lorg/apache/maven/model/Contributor;addProperty'(Ljava/lang/String;Ljava/lang/String;)VkeyvalueaddRole(Ljava/lang/String;)Vstringclone&()Lorg/apache/maven/model/Contributor;copyexLjava/lang/Exception;

StackMapTablegetEmail()Ljava/lang/String;getLocation:(Ljava/lang/Object;)Lorg/apache/maven/model/InputLocation;Ljava/lang/Object;getNamegetOrganizationgetOrganizationUrl

getProperties()Ljava/util/Properties;getRoles()Ljava/util/List;&()Ljava/util/List<Ljava/lang/String;>;getTimezonegetUrl

removeRolesetEmailsetLocation;(Ljava/lang/Object;Lorg/apache/maven/model/InputLocation;)Vlocation&Lorg/apache/maven/model/InputLocation;setNamesetOrganizationsetOrganizationUrl

setProperties(Ljava/util/Properties;)VsetRoles(Ljava/util/List;)VLocalVariableTypeTable'(Ljava/util/List<Ljava/lang/String;>;)VsetTimezonesetUrl()Ljava/lang/Object;

Exceptions

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clone()V?Kjava/lang/RuntimeException10$org/apache/maven/model/InputLocation/030409020MNjava/lang/Object java/io/Serializablejava/lang/Cloneable+org/apache/maven/model/InputLocationTracker$java/lang/CloneNotSuppor tedExceptionput8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;java/util/Listadd(Ljava/lang/Object;)Zad dAll(Ljava/util/Collection;)Z(Ljava/util/Map;)VgetClass()Ljava/lang/Class;java/lang/Classappend- (Ljava/lang/String;)Ljava/lang/StringBuilder;toString initCause,(Ljava/lang/Throwable;)Ljava/lang/Throwable; java/util/Mapget&(Ljava/lang/Object;)Ljava/lang/Object;remove!+,-.
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SourceFileLicense.java)*0Korg/apache/maven/model/License%&java/util/LinkedHashMap)pjava/lang/Exception'java/lang/UnsupportedOperationExceptionjava/lang/StringBuilderqrs@9tu does not support clone()v9Cwxjava/lang/RuntimeException$!#!yz{$org/apache/maven/model/InputLocation !"!|}01java/lang/Objectjava/io/Serializablejava/lang/Cloneable+org/apache/maven/model/InputLocationTracker$java/lang/CloneNotSupportedException(Ljava/util/Map;)VgetClass()Ljava/lang/Class;java/lang/Classappend-(Ljava/lang/String;)Ljava/lang/StringBuilder;toString initCause,(Ljava/lang/Throwable;)Ljava/lang/Throwable; java/util/Mapget&(Ljava/lang/Object;)Ljava/lang/Object;put8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;! !"!#!$!%&'(

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Exceptions

SourceFileCopyingOutputStream.java%org/apache/cxf/io/CopyingOutputStreamjava/lang/Objectjava/io/IOException

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' ( ) * +,-resourceLjava/lang/Object;

resourceClassLjava/lang/Class; SignatureLjava/lang/Class<*>;resourceIdentifierLjava/io/Serializable; operationLjava/lang/String;<init>'(Ljava/lang/Object;Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis*Lorg/picketlink/idm/permission/Permission;<(Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)VLocalVariableTypeTable?(Ljava/lang/Class<*>;Ljava/io/Serializable;Ljava/lang/String;)VgetResource()Ljava/lang/Object;getResourceClass()Ljava/lang/Class;()Ljava/lang/Class<*>;getResourceIdentifier()Ljava/io/Serializable;getOperation()Ljava/lang/String;

SourceFilePermission.java.

(org/picketlink/idm/permission/Permissionjava/lang/Object()V!

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4value()Ljava/lang/Class;AnnotationDefault9Lorg/picketlink/idm/permission/acl/spi/PermissionHandler; SignatureO()Ljava/lang/Class<+Lorg/picketlink/idm/permission/acl/spi/PermissionHandler;>;name()Ljava/lang/String;

SourceFilePermissionsHandledBy.javaRuntimeVisibleAnnotationsLjava/lang/annotation/Target;"Ljava/lang/annotation/ElementType;TYPE!Ljava/lang/annotation/Documented;

Ljava/lang/annotation/Retention;&Ljava/lang/annotation/RetentionPolicy;RUNTIME

Ljava/lang/annotation/Inherited;>org/picketlink/idm/permission/annotations/PermissionsHandledByjava/lang/Object java/lang/annotation/Annotation&c

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4value?()[Lorg/picketlink/idm/permission/annotations/AllowedOperation;AnnotationDefault

SourceFileAllowedOperations.javaRuntimeVisibleAnnotationsLjava/lang/annotation/Target;"Ljava/lang/annotation/

ElementType;TYPE!Ljava/lang/annotation/Documented;

Ljava/lang/annotation/Retention;&Ljava/lang/annotation/RetentionPolicy;RUNTIME

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4value()Ljava/lang/String;mask()JAnnotationDefaultclassOperation()Z

SourceFileAllowedOperation.javaRuntimeVisibleAnnotationsLjava/lang/annotation/Target;"Ljava/lang/annotation/
ElementType;TYPE!Ljava/lang/annotation/Documented;

Ljava/lang/annotation/Retention;&Ljava/lang/annotation/RetentionPolicy;RUNTIME

Ljava/lang/annotation/Inherited;:org/picketlink/idm/permission/annotations/AllowedOperationjava/lang/Objectjava/l
ang/annotation/Annotation&J Z

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'()criteria/Lorg/picketlink/idm/query/RelationshipCriteria;assigneePropertyLjava/lang/String;<init>h(Ljava/lang/Obj
ect;Lorg/picketlink/idm/query/RelationshipCriteria;Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableL
ocalVariableTablethis/Lorg/picketlink/idm/permission/FuzzyPermission;resourceLjava/lang/Object;

operation}(Ljava/lang/Class;Ljava/io/Serializable;Lorg/picketlink/idm/query/RelationshipCriteria;Ljava/lang/String;
Ljava/lang/String;)V

resourceClassLjava/lang/Class;resourceIdentifierLjava/io/Serializable;LocalVariableTypeTableLjava/lang/Class<*>
;

Signature(Ljava/lang/Class<*>;Ljava/io/Serializable;Lorg/picketlink/idm/query/RelationshipCriteria;Ljava/lang/Stri
ng;Ljava/lang/String;)VgetCriteria1()Lorg/picketlink/idm/query/RelationshipCriteria;getAssigneeProperty()Ljava/la
ng/String;

SourceFileFuzzyPermission.java*

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org/picketlink/idm/permission/FuzzyPermission(org/picketlink/idm/permission/Permission'(Ljava/lang/Object;Ljava
/lang/String;)V<(Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)V!

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this$0?Lorg/picketlink/idm/permission/acl/spi/EntityPermissionHandler;<init>B(Lorg/picketlink/idm/permission/acl
/spi/EntityPermissionHandler;)VCodeLineNumberTableLocalVariableTablethisInnerClassesALorg/picketlink/idm/p
ermission/acl/spi/EntityPermissionHandler$1;compareY(Lorg/picketlink/common/properties/Property;Lorg/picketli
nk/common/properties/Property;)Ia+Lorg/picketlink/common/properties/Property;bLocalVariableTypeTableCLorg/
picketlink/common/properties/Property<Ljava/io/Serializable;>;

Signature(Lorg/picketlink/common/properties/Property<Ljava/io/Serializable;>;Lorg/picketlink/common/properties/Property<Ljava/io/Serializable;>;)I'(Ljava/lang/Object;Ljava/lang/Object;)ImLjava/lang/Object;Ljava/util/Comparator<Lorg/picketlink/common/properties/Property<Ljava/io/Serializable;>;>;
SourceFileEntityPermissionHandler.javaEnclosingMethod./0
123456)org/picketlink/common/properties/Property?org/picketlink/idm/permission/acl/spi/EntityPermissionHandler$1java/lang/Objectjava/util/Comparator=org/picketlink/idm/permission/acl/spi/EntityPermissionHandlerqueryIdProperties(Ljava/lang/Class;)V()VgetName()Ljava/lang/String;java/lang/String compareTo(Ljava/lang/String;)I

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#cdefpartitionManager%Lorg/picketlink/idm/PartitionManager;<init>((Lorg/picketlink/idm/PartitionManager;)VCodeLineNumberTableLocalVariableTablethisALorg/picketlink/idm/permission/acl/spi/PersistentPermissionVoter;
hasPermissiongVotingResultInnerClasses(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Object;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;
recipient'Lorg/picketlink/idm/model/IdentityType;resourceLjava/lang/Object;
operationLjava/lang/String;permissionsLjava/util/List;LocalVariableTypeTable<Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;
StackMapTable(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;
resourceClassLjava/lang/Class;
identifierLjava/io/Serializable;Ljava/lang/Class<*>;
Signature(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class<*>;Ljava/io/Serializable;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;getPermissionManagerO(Lorg/picketlink/idm/model/IdentityType;)Lorg/picketlink/idm/PermissionManager;checkPermissiony(Lorg/picketlink/idm/model/IdentityType;Ljava/util/List;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;idPermission2Lorg/picketlink/idm/permission/IdentityPermission;
permission*Lorg/picketlink/idm/permission/Permission;relationshipManager(Lorg/picketlink/idm/RelationshipManager;hi(Lorg/picketlink/idm/model/IdentityType;Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;
SourceFilePersistentPermissionVoter.javaj"java/lang/IllegalArgumentExceptionrecipient must not be
nullk:;lmn<=mopqrstuvwxyzi{|}~(org/picketlink/idm/permission/Permission0org/picketlink/idm/permission/IdentityPermissionh?org/picketlink/idm/permission/acl/spi/PersistentPermissionVoterjava/lang/Object1org/picketlink/idm/permission/spi/PermissionVoter>org/picketlink/idm/permission/spi/PermissionVoter$VotingResult&org/picketlink/idm/RelationshipManagerjava/util/Iterator()V(Ljava/lang/String;)V$org/picketlink/idm/PermissionManagerlistPermissions6(Ljava/lang/Object;Ljava/lang/String;)Ljava/util/List;K(Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)Ljava/util/List;%org/picketlink/idm/model/IdentityTypegetPartition&()Lorg/picketlink/idm/model/Partition;#org/picketlink/idm/PartitionManagercreatePermissionManagerL(Lorg/picketlink/idm/model/Partition;)Lorg/picketlink

/idm/PermissionManager;createRelationshipManager*()Lorg/picketlink/idm/RelationshipManager;java/util/Listitera
tor()Ljava/util/Iterator;hasNext()Znext()Ljava/lang/Object;getAssignee)()Lorg/picketlink/idm/model/IdentityType;i
nheritsPrivilegesQ(Lorg/picketlink/idm/model/IdentityType;Lorg/picketlink/idm/model/IdentityType;)ZALLOW@
Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;NOT_APPLICABLE!F

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permissionsLjava/util/Set; Signature#Ljava/util/Set<Ljava/lang/String;>;
resourceClassLjava/lang/Class;Ljava/lang/Class<*>;this$0ELorg/picketlink/idm/permission/acl/spi/BaseAbstractPer
missionHandler;<init>k(Lorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler;Ljava/lang/Class;L
java/lang/String;)VCodeLineNumberTableLocalVariableTablethis
PermissionSetInnerClassesSLorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler$PermissionSet;
membersLjava/lang/String;LocalVariableTypeTable)(Ljava/lang/Class<*>;Ljava/lang/String;)V
addMembers(Ljava/lang/String;)VmaskJ
permissionvalsLjava/util/Map;[Ljava/lang/String;3Ljava/util/Map<Ljava/lang/String;Ljava/lang/Long;>;
StackMapTablemtCcontains(Ljava/lang/String;)Zactionaddg(Ljava/lang/String;)Lorg/picketlink/idm/permission/acl/
spi/BaseAbstractPermissionHandler$PermissionSet;removegetPermissions()Ljava/util/Set;%()Ljava/util/Set<Ljava/l
ang/String;>;isEmpty()ZtoString()Ljava/lang/String;memberactionssbLjava/lang/StringBuilder;|
SourceFile"BaseAbstractPermissionHandler.java-./java/util/HashSet&'*+<=java/lang/BooleanU
java/util/MapRUjava/lang/Stringjava/lang/LongN,KPTUjava/lang/StringBuilderVWQorg/picketlink/idm/permission
/acl/spi/BaseAbstractPermissionHandler$PermissionSetjava/lang/Objectjava/util/Iterator()VCorg/picketlink/idm/per
mission/acl/spi/BaseAbstractPermissionHandler
access$000V(Lorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler;)Ljava/util/Map;get&(Ljava/l
ang/Object;)Ljava/lang/Object;booleanValuevalueOf$(Ljava/lang/String;)Ljava/lang/Long; longValue()J
access$100keySet

java/util/Setiterator()Ljava/util/Iterator;hasNextnext()Ljava/lang/Object;(Ljava/lang/Object;)Zsplit'(Ljava/lang/String;)[Ljava/lang/String;append-
(Ljava/lang/String;)Ljava/lang/StringBuilder;(J)Ljava/lang/StringBuilder;length()I(C)Ljava/lang/StringBuilder;!$%
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.InnerClasses SEPARATORLjava/lang/String;

ConstantValueentityAnnotationClassLjava/lang/Class;

Signature5Ljava/lang/Class<+Ljava/lang/annotation/Annotation;>;idAnnotationClassidPropertiesLjava/util/Map;zLj
ava/util/Map<Ljava/lang/Class<*>;Ljava/util/List<Lorg/picketlink/common/properties/Property<Ljava/io/Serializab
le;>;>;>;<init>()VCodeLineNumberTableLocalVariableTablethis?Lorg/picketlink/idm/permission/acl/spi/EntityPer

missionHandler;

StackMapTableu canHandle(Ljava/lang/Class;)Z

resourceClassLocalVariableTypeTableLjava/lang/Class<*>;(Ljava/lang/Class<*>;)ZgetIdProperties$(Ljava/lang/Object;)Ljava/util/List;resourceLjava/lang/Object;i(Ljava/lang/Object;)Ljava/util/List<Lorg/picketlink/common/properties/Property<Ljava/io/Serializable;>;>;queryIdProperties(Ljava/lang/Class;)VpropsLjava/util/List;ULjava/util/List<Lorg/picketlink/common/properties/Property<Ljava/io/Serializable;>;>;}(Ljava/lang/Class<*>;)V

getIdentifier*(Ljava/lang/Object;)Ljava/io/Serializable;p+Lorg/picketlink/common/properties/Property;sbLjava/lang/StringBuilder;CLorg/picketlink/common/properties/Property<Ljava/io/Serializable;>;unwrapResourceClass%(Ljava/lang/Object;)Ljava/lang/Class;((Ljava/lang/Object;)Ljava/lang/Class<*>;

SourceFileEntityPermissionHandler.java?@78;8&java/util/concurrent/ConcurrentHashMap<=javax.persistence.Entityjava/lang/ClassLoaderjavax.persistence.Id

java/lang/ClassNotFoundExceptionJfgUVjava/util/List@org/picketlink/common/properties/query/AnnotatedPropertyCriteria?V?org/picketlink/idm/permission/acl/spi/EntityPermissionHandler$1?OP)org/picketlink/common/properties/Propertyjava/io/Serializablejava/lang/StringBuilder=org/picketlink/idm/permission/acl/spi/EntityPermissionHandler:.org/picketlink/idm/IdentityManagementException9Could not locate @Id property for specified resource [%s]java/lang/Object?Corg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandlerjava/lang/Classjava/util/Iterator,org/picketlink/common/reflection/ReflectionsclassForName=(Ljava/lang/String;[Ljava/lang/ClassLoader;)Ljava/lang/Class;isAnnotationPresent

java/util/MapcontainsKey(Ljava/lang/Object;)Zget&(Ljava/lang/Object;)Ljava/lang/Object;6org/picketlink/common/properties/query/PropertyQueriescreateQueryI(Ljava/lang/Class;)Lorg/picketlink/common/properties/query/PropertyQuery;4org/picketlink/common/properties/query/PropertyQueryaddCriteriaq(Lorg/picketlink/common/properties/query/PropertyCriteria;)Lorg/picketlink/common/properties/query/PropertyQuery;

getResultList()Ljava/util/List;size()IB(Lorg/picketlink/idm/permission/acl/spi/EntityPermissionHandler;)Vjava/util/Collectionssort)(Ljava/util/List;Ljava/util/Comparator;)Vput8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;(I)Ljava/lang/Object;getValueiterator()Ljava/util/Iterator;hasNext()Znext()Ljava/lang/Object;lengthappend-(Ljava/lang/String;)Ljava/lang/StringBuilder;toString()Ljava/lang/String;java/lang/Stringformat9(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;(Ljava/lang/String;)VgetClass()Ljava/lang/Class;!'2456(789:;89:<=9>?@A8*

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 L36B& " $&%3(6&7)C8DEF6GHIJAi*+*B-CDEK8LKMF@9NOPA&*+

M*,*,*,B1346C &DE&QR K8L KMFS9T"UVAF*+;+Y*M,,Y**+,WB":

;<=#@-A9IEKC #"WXFDEFK8L#"WYFKMF9Z9[\]AS*+M,,+ ,R!Y"N,#:$3%:-&

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4listPermissionsL(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Object;)Ljava/util/List;

Signaturex(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Object;)Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;a(Lorg/picketlink/idm/spi/IdentityContext;Lorg/picketlink/idm/model/IdentityType;)Ljava/util/List;(Lorg/picketlink/idm/spi/IdentityContext;Lorg/picketlink/idm/model/IdentityType;)Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;^(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Object;Ljava/lang/String;)Ljava/util/List;(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Object;Ljava/lang/String;)Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;[(Lorg/picketlink/idm/spi/IdentityContext;Ljava/util/Set;Ljava/lang/String;)Ljava/util/List;(Lorg/picketlink/idm/spi/IdentityContext;Ljava/util/Set<Ljava/lang/Object;>;Ljava/lang/String;)Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;a(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Class;Ljava/io/Serializable;)Ljava/util/List;(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Class<*>;Ljava/io/Serializable;)Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;s(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)Ljava/util/List;(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/Class<*>;Ljava/io/Serializable;Ljava/lang/String;)Ljava/util/List<Lorg/picketlink/idm/permission/Permission;>;grantPermissionv(Lorg/picketlink/idm/spi/IdentityContext;Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Object;Ljava/lang/String;)ZrevokePermissionrevokeAllPermissions=(Lorg/picketlink/idm/spi/IdentityContext;Ljava/lang/O

bject;)V

SourceFilePermissionStore.java5org/picketlink/idm/permission/acl/spi/PermissionStorejava/lang/Object

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Signature7Ljava/util/Map<Ljava/lang/Class<*>;Ljava/lang/String;>;<init>()VCodeLineNumberTableLocalVariable
Tablethis>Lorg/picketlink/idm/permission/acl/spi/ClassPermissionHandler; canHandle(Ljava/lang/Class;)Z
resourceClassLjava/lang/Class;LocalVariableTypeTableLjava/lang/Class<*>;(Ljava/lang/Class<*>;)Z
getIdentifier*(Ljava/lang/Object;)Ljava/io/Serializable;resourceLjava/lang/Object;
StackMapTablegetIdentifierName%(Ljava/lang/Class;)Ljava/lang/String;
handledBy@Lorg/picketlink/idm/permission/annotations/PermissionsHandledBy;nameLjava/lang/String;clsd((Ljav
a/lang/Class<*>;)Ljava/lang/String;unwrapResourceClass%(Ljava/lang/Object;)Ljava/lang/Class;L((Ljava/lang/Obj
ect;)Ljava/lang/Class<*>;
SourceFileClassPermissionHandler.java'(&java/util/concurrent/ConcurrentHashMap#$java/lang/Classjkl"java/lang/I
llegalArgumentExceptionjava/lang/StringBuilder
Resource [mnmo] must be instance of
Classpq'rsqtul>org/picketlink/idm/permission/annotations/PermissionsHandledByv/wx>qyqz{|}~java/lang/Stringl<o
rg/picketlink/idm/permission/acl/spi/ClassPermissionHandlerCorg/picketlink/idm/permission/acl/spi/BaseAbstractP
ermissionHandler7org/picketlink/idm/permission/acl/spi/PermissionHandlerjava/lang/Objectequals(Ljava/lang/Obje
ct;)Zappend-(Ljava/lang/String;)Ljava/lang/StringBuilder;-
(Ljava/lang/Object;)Ljava/lang/StringBuilder;toString()Ljava/lang/String;(Ljava/lang/String;)VgetName
java/util/MapcontainsKeyisAnnotationPresent
getAnnotation4(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;trimlastIndexOf(I)I
substring(I)Ljava/lang/String;put8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;get&(Ljava/lang/Object;
)Ljava/lang/Object;
isInstancegetClass()Ljava/lang/Class;! !"#$%&'()>**Y*
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-M,++`M*+,W,*+*.2
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4 canHandle(Ljava/lang/Class;)Z Signature(Ljava/lang/Class<*>;)Z

getIdentifier*(Ljava/lang/Object;)Ljava/io/Serializable;unwrapResourceClass%(Ljava/lang/Object;)Ljava/lang/Class;((Ljava/lang/Object;)Ljava/lang/Class<*>;listClassOperations"(Ljava/lang/Class;)Ljava/util/Set;9(Ljava/lang/Class<*>;)Ljava/util/Set<Ljava/lang/String;>;listInstanceOperations

SourceFilePermissionHandler.java7org/picketlink/idm/permission/acl/spi/PermissionHandlerjava/lang/Object

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PermissionSetInnerClassesusesMaskLjava/util/Map;

Signature8Ljava/util/Map<Ljava/lang/Class<*>;Ljava/lang/Boolean;>;instanceOperationsXLjava/util/Map<Ljava/lang/Class<*>;Ljava/util/Map<Ljava/lang/String;Ljava/lang/Long;>;>;classOperations<init>()VCodeLineNumberTableLocalVariableTablethisELorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler;initOperations(Ljava/lang/Class;)V operation<Lorg/picketlink/idm/permission/annotations/AllowedOperation;

operations=[Lorg/picketlink/idm/permission/annotations/AllowedOperation;maskLjava/lang/Long;opLjava/lang/String;masksLjava/util/Set;opsinstanceOpsclassOpsuseMaskZp=Lorg/picketlink/idm/permission/annotations/AllowedOperations;clsLjava/lang/Class;LocalVariableTypeTable!Ljava/util/Set<Ljava/lang/Long;>;#Ljava/util/Set<Ljava/lang/String;>;3Ljava/util/Map<Ljava/lang/String;Ljava/lang/Long;>;Ljava/lang/Class<*>;

StackMapTableH(Ljava/lang/Class<*>;)VcreatePermissionSetx(Ljava/lang/Class;Ljava/lang/String;)Lorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler$PermissionSet;

resourceClassmembers{(Ljava/lang/Class<*>;Ljava/lang/String;)Lorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler$PermissionSet;listClassOperations"(Ljava/lang/Class;)Ljava/util/Set;

permissionpermissions9(Ljava/lang/Class<*>;)Ljava/util/Set<Ljava/lang/String;>;listInstanceOperations

access$000V(Lorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler;)Ljava/util/Map;x0

access$100

SourceFile"BaseAbstractPermissionHandler.java9656<=java/util/HashMap&java/util/concurrent/ConcurrentHashMap;6;org/picketlink/idm/permission/annotations/AllowedOperationsIjava/util/HashSetjava/lang/Stringjava/lang/Long

"java/lang/IllegalArgumentExceptionjava/lang/StringBuilderClass 4 defines a duplicate mask for permission operation []</ must define a valid mask value for operation [> must define a mask value that is a power of 2 for operation [CDQorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler$PermissionSet<

java/util/MapCorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandlerjava/lang/Object7org/picketlin

k/idm/permission/acl/spi/PermissionHandlerjava/lang/Class:org/picketlink/idm/permission/annotations/AllowedOperation

java/util/Setjava/util/IteratorcontainsKey(Ljava/lang/Object;)Z

getAnnotation4(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;value?()[Lorg/picketlink/idm/permission/annotations/AllowedOperation;classOperation()Z()Ljava/lang/String;()JvalueOf(J)Ljava/lang/Long;put8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;keySet()Ljava/util/Set;addAll(Ljava/util/Collection;)Ziterator()Ljava/util/Iterator;hasNextnext()Ljava/lang/Object;get&(Ljava/lang/Object;)Ljava/lang/Object;containsappend-(Ljava/lang/String;)Ljava/lang/StringBuilder;getNametoString(Ljava/lang/String;)V

longValueaddjava/lang/Boolean(Z)Ljava/lang/Boolean;k(Lorg/picketlink/idm/permission/acl/spi/BaseAbstractPermissionHandler;Ljava/lang/Class;Ljava/lang/String;)V!0125678967:;67:<=>\&**Y*Y*Y?&')+@&AB"CD>*+

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FOR@*F pLTABTkW:qNXTk\:qZ]de7rso>T*+ *+,YM*+/N--:,*W,?
FOR@*F pLTABTkW:qNXTk\:qZ]de7rtu>/*?&@vBwu>/*?&@vBxy4
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=>?@A<init>()VCodeLineNumberTableLocalVariableTablethis?Lorg/picketlink/idm/permission/acl/spi/StringPermissionHandler; canHandle(Ljava/lang/Class;)Z

resourceClassLjava/lang/Class;LocalVariableTypeTableLjava/lang/Class<*>; Signature(Ljava/lang/Class<*>;)Z
getIdentifier*(Ljava/lang/Object;)Ljava/io/Serializable;resourceLjava/lang/Object;unwrapResourceClass%(Ljava/la
ng/Object;)Ljava/lang/Class;((Ljava/lang/Object;)Ljava/lang/Class<*>;checkResourceValid(Ljava/lang/Object;)V
StackMapTablelistClassOperations"(Ljava/lang/Class;)Ljava/util/Set;9(Ljava/lang/Class<*>;)Ljava/util/Set<Ljava/l
ang/String;>;listInstanceOperations
SourceFileStringPermissionHandler.javajava/lang/StringBC()"java/lang/IllegalArgumentExceptionjava/lang/String
Builder
Resource [DEDF] must be instance of
StringGHIJKL=org/picketlink/idm/permission/acl/spi/StringPermissionHandlerjava/lang/Object7org/picketlink/idm/
permission/acl/spi/PermissionHandlerequals(Ljava/lang/Object;)Zappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;-
(Ljava/lang/Object;)Ljava/lang/StringBuilder;toString()Ljava/lang/String;(Ljava/lang/String;)Vjava/util/Collections
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classHandlersLjava/util/Map;
Signature^Ljava/util/Map<Ljava/lang/Class<*>;Lorg/picketlink/idm/permission/acl/spi/PermissionHandler;>;regist
eredHandlersLjava/util/Set;JLjava/util/Set<Lorg/picketlink/idm/permission/acl/spi/PermissionHandler;>;<init>(Ljav
a/util/Set;)VCodeLineNumberTableLocalVariableTablethis?Lorg/picketlink/idm/permission/acl/spi/PermissionHan
dlerPolicy;handlersLocalVariableTypeTable
StackMapTableM(Ljava/util/Set<Lorg/picketlink/idm/permission/acl/spi/PermissionHandler;>;)V
getIdentifier*(Ljava/lang/Object;)Ljava/io/Serializable;resourceLjava/lang/Object;handler9Lorg/picketlink/idm/per

mission/acl/spi/PermissionHandler;getResourceClass%(Ljava/lang/Object;)Ljava/lang/Class;((Ljava/lang/Object;)Lj
ava/lang/Class<*>;getHandlerForResourceM(Ljava/lang/Object;)Lorg/picketlink/idm/permission/acl/spi/Permission
Handler;exLjava/lang/Exception;handlerClassLjava/lang/Class;resourceClassKeysMLjava/lang/Class<+Lorg/picketl
ink/idm/permission/acl/spi/PermissionHandler;>;Ljava/lang/Class<*>;vgetRegisteredHandlers()Ljava/util/Set;L()Lj
ava/util/Set<Lorg/picketlink/idm/permission/acl/spi/PermissionHandler;>;registerHandler<(Lorg/picketlink/idm/per
mission/acl/spi/PermissionHandler;)V

SourceFilePermissionHandlerPolicy.java9&java/util/concurrent/ConcurrentHashMap23java/util/HashSet67=org/pic
ketlink/idm/permission/acl/spi/EntityPermissionHandler<org/picketlink/idm/permission/acl/spi/ClassPermissionHan
dler=org/picketlink/idm/permission/acl/spi/StringPermissionHandlerjava/lang/StringQRFG.org/picketlink/idm/Ident
ityManagementException2No permission handler registered for resource
[%s]java/lang/Object9O>org/picketlink/idm/permission/annotations/PermissionsHandledBy7org/picketlink/idm/per
mission/acl/spi/PermissionHandlerjava/lang/Exceptionjava/lang/RuntimeExceptionjava/lang/StringBuilder2Error
instantiating IdentifierStrategy for object
9java/lang/Class=org/picketlink/idm/permission/acl/spi/PermissionHandlerPolicy
java/util/Setjava/io/Serializablejava/util/Iterator()VisEmpty()Zadd(Ljava/lang/Object;)ZtoString()Ljava/lang/String;f
ormat9(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;(Ljava/lang/String;)VunwrapResourceClassgetClas
s()Ljava/lang/Class;isAnnotationPresent(Ljava/lang/Class;)Z
getAnnotation4(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;valuenewInstance()Ljava/lang/Object;
java/util/Mapput8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;append-
(Ljava/lang/String;)Ljava/lang/StringBuilder;-
(Ljava/lang/Object;)Ljava/lang/StringBuilder;*(Ljava/lang/String;Ljava/lang/Throwable;)Viterator()Ljava/util/Iterat
or;hasNextnext canHandle
isInstance!1234567489:;[**Y*Y++6* Y
W*Y
W*YW<")%'*'+8,I-Z/=[>?[@7A[@8B'CD24EFG;"++*+M,
,+<2368= ">?"HIJKB
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!L4PQR;M+T+N-<- M*+,!W":#Y$Y%&'+()**+N-,G--:+.+M+:/+0 +/:*,!W,&=@"<RKMNO
Q&S.T=X@VBW_\}]^`bcfgik=HBST ?UVWV}6XK>?HIJKA ?UYWZB0@C[L\] ^9L\_`;/*<o=>?4abc;D*+W<
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C DEFGvotersLjava/util/List;
SignatureELjava/util/List<Lorg/picketlink/idm/permission/spi/PermissionVoter;>;<init>(Ljava/util/List;)VCodeLin
eNumberTableLocalVariableTablethis6Lorg/picketlink/idm/permission/spi/PermissionResolver;LocalVariableType
TableH(Ljava/util/List<Lorg/picketlink/idm/permission/spi/PermissionVoter;>;)VresolvePermissionN(Lorg/picketli
nk/idm/model/IdentityType;Ljava/lang/Object;Ljava/lang/String;)ZresultHVotingResultInnerClasses@Lorg/picketli
nk/idm/permission/spi/PermissionVoter$VotingResult;voter3Lorg/picketlink/idm/permission/spi/PermissionVoter;
recipient'Lorg/picketlink/idm/model/IdentityType;resourceLjava/lang/Object; operationLjava/lang/String;permitZ
StackMapTableI@Hc(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/St
ring;)Z
resourceClassLjava/lang/Class;
identifierLjava/io/Serializable;Ljava/lang/Class<*>;f(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class<*>;
Ljava/io/Serializable;Ljava/lang/String;)Z
SourceFilePermissionResolver.javaJKLMINOPQ1org/picketlink/idm/permission/spi/PermissionVoterRST!UVW!R
X4org/picketlink/idm/permission/spi/PermissionResolverjava/lang/Object>org/picketlink/idm/permission/spi/Permi

ssionVoter$VotingResultjava/util/Iterator()Vjava/util/Listiterator()Ljava/util/Iterator;hasNext()Znext()Ljava/lang/Object;

hasPermission(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Object;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;ALLOWequals(Ljava/lang/Object;)ZDENY(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;!

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23ALLOWVotingResultInnerClasses@Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;DENYNOT_APPLICABLE$VALUESA[Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;valuesC()[Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;CodeLineNumberTablevalueOfT(Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;LocalVariableTablenameLjava/lang/String;<init>(Ljava/lang/String;I)Vthis

Signature()V<clinit>RLjava/lang/Enum<Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;>;

SourceFilePermissionVoter.java456>org/picketlink/idm/permission/spi/PermissionVoter$VotingResult7

!java/lang/Enumclone()Ljava/lang/Object;1org/picketlink/idm/permission/spi/PermissionVoter5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;@1@@@ "

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VotingResultInnerClasses

hasPermission(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Object;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;

Signature(Lorg/picketlink/idm/model/IdentityType;Ljava/lang/Class<*>;Ljava/io/Serializable;Ljava/lang/String;)Lorg/picketlink/idm/permission/spi/PermissionVoter$VotingResult;

SourceFilePermissionVoter.java1org/picketlink/idm/permission/spi/PermissionVoterjava/lang/Object>org/picketlink/idm/permission/spi/PermissionVoter$VotingResult

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"#$assignee'Lorg/picketlink/idm/model/IdentityType;<init>N(Ljava/lang/Object;Lorg/picketlink/idm/model/Identity
Type;Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis2Lorg/picketlink/idm/permission/IdentityP
ermission;resourceLjava/lang/Object;

operationLjava/lang/String;c(Ljava/lang/Class;Ljava/io/Serializable;Lorg/picketlink/idm/model/IdentityType;Ljava/
lang/String;)V

resourceClassLjava/lang/Class;resourceIdentifierLjava/io/Serializable;LocalVariableTypeTableLjava/lang/Class<*>
;

Signaturef(Ljava/lang/Class<*>;Ljava/io/Serializable;Lorg/picketlink/idm/model/IdentityType;Ljava/lang/String;)V
getAssignee)()Lorg/picketlink/idm/model/IdentityType;

SourceFileIdentityPermission.java%&0org/picketlink/idm/permission/IdentityPermission(org/picketlink/idm/permis
sion/Permission'(Ljava/lang/Object;Ljava/lang/String;)V<(Ljava/lang/Class;Ljava/io/Serializable;Ljava/lang/String;
)V!

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SourceFilePermission.java+org/jboss/security/authorization/Permissionjava/lang/Object

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constraints7[Lorg/jboss/as/controller/access/constraint/Constraint;$assertionsDisabledZ<init>ActionEffectInnerClas
sesG(Lorg/jboss/as/controller/access/Action$ActionEffect;Ljava/util/List;)VCodeLineNumberTableLocalVariableT
ablethisFLorg/jboss/as/controller/access/permission/SimpleManagementPermission;actionEffect4Lorg/jboss/as/cont
roller/access/Action$ActionEffect;Ljava/util/List;LocalVariableTypeTableHLjava/util/List<Lorg/jboss/as/controller
/access/constraint/Constraint;>;

Signature(Lorg/jboss/as/controller/access/Action$ActionEffect;Ljava/util/List<Lorg/jboss/as/controller/access/const

raint/Constraint;>;)Vn(Lorg/jboss/as/controller/access/Action$ActionEffect;[Lorg/jboss/as/controller/access/constraint/Constraint;)Vimplies(Ljava/security/Permission;)Zours6Lorg/jboss/as/controller/access/constraint/Constraint;theirsiIother

permissionLjava/security/Permission;

StackMapTablehaequals(Ljava/lang/Object;)ZoLjava/lang/Object;that@Lorg/jboss/as/controller/access/permission/ManagementPermission;hashCode()I

getActions()Ljava/lang/String;createScopedPermissiony(Lorg/jboss/as/controller/access/constraint/Constraint;I)Lorg/jboss/as/controller/access/permission/ManagementPermission;alteredexisting

constraintconstraintIndex<clinit>()V

SourceFileSimpleManagementPermission.javaR4org/jboss/as/controller/access/constraint/Constraint*;SimpleManagementPermission*&'JKDorg/jboss/as/controller/access/permission/SimpleManagementPermission()java/lang/AssertionErrorGincompatible ManagementPermission; differing constraint counts %d vs

%djava/lang/Object*java/lang/StringBuilder*\!incompatible constraints: ours =

-- theirs = TConstraints are violated for

%s>org/jboss/as/controller/access/permission/ManagementPermissionQR2org/jboss/as/controller/access/Action$ActionEffectjava/util/ListsizetoArray((([Ljava/lang/Object;)[Ljava/lang/Object;I(Ljava/lang/String;Lorg/jboss/as/controller/access/Action$ActionEffect;)Vjava/lang/IntegervalueOf(I)Ljava/lang/Integer;java/lang/Stringformat9(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;(Ljava/lang/Object;)VgetActionEffect6()Lorg/jboss/as/controller/access/Action$ActionEffect;getClass()Ljava/lang/Class;append-(Ljava/lang/String;)Ljava/lang/StringBuilder;-(Ljava/lang/Object;)Ljava/lang/StringBuilder;toStringviolatesm(Lorg/jboss/as/controller/access/constraint/Constraint;Lorg/jboss/as/controller/access/Action$ActionEffect;)Z0org/jboss/as/controller/logging/ControllerLogger

ACCESS_LOGGER2Lorg/jboss/as/controller/logging/ControllerLogger;tracef'(Ljava/lang/String;Ljava/lang/Object;)Vjava/lang/System

arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)Vreplaces9(Lorg/jboss/as/controller/access/constraint/Constraint;)Zjava/lang/ClassdesiredAssertionStatus()Z%org/jboss/as/controller/access/Action!

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Y*-0:a bc"e*f5g>hPjWk[lmnxost1HW'>W'*aX?23Y?ZBWEW'F!"-IGII[\/4

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val$iteratorLjava/util/Iterator;this$0JLorg/jboss/as/controller/access/permission/ManagementPermissionCollection;

<init>a(Lorg/jboss/as/controller/access/permission/ManagementPermissionCollection;Ljava/util/Iterator;)VCodeLineNumberTableLocalVariableTablethisInnerClassesLLorg/jboss/as/controller/access/permission/ManagementPermissionCollection$1;hasMoreElements()ZnextElement()Ljava/security/Permission;()Ljava/lang/Object;

SignatureELjava/lang/Object;Ljava/util/Enumeration<Ljava/security/Permission;>;

SourceFile#ManagementPermissionCollection.javaEnclosingMethod./0

1234java/security/PermissionJorg/jboss/as/controller/access/permission/ManagementPermissionCollection$1java/lang/Objectjava/util/EnumerationHorg/jboss/as/controller/access/permission/ManagementPermissionCollectionelements()Ljava/util/Enumeration;()Vjava/util/IteratorhasNextnext

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!INSTANCEDLorg/jboss/as/controller/access/permission/AllPermissionsCollection;<init>()VCodeLineNumberTableLocalVariableTablethisadd(Ljava/security/Permission;)V
permissionLjava/security/Permission;implies(Ljava/security/Permission;)Zelements()Ljava/util/Enumeration;
Signature5()Ljava/util/Enumeration<Ljava/security/Permission;>;<clinit>
SourceFileAllPermissionsCollection.java
'java/lang/UnsupportedOperationExceptionBorg/jboss/as/controller/access/permission/AllPermissionsCollection
"java/security/PermissionCollection1
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combinationPolicy2Lorg/jboss/as/controller/access/CombinationPolicy;underlyingPermissionsLjava/util/Map;
SignaturecLjava/util/Map<Ljava/lang/String;Lorg/jboss/as/controller/access/permission/ManagementPermission;>;$
assertionsDisabledZ<init>ActionEffectInnerClassesi(Lorg/jboss/as/controller/access/CombinationPolicy;Lorg/jboss/as/controller/access/Action$ActionEffect;)VCodeLineNumberTableLocalVariableTablethisKLorg/jboss/as/controller/access/permission/CombinationManagementPermission;actionEffect4Lorg/jboss/as/controller/access/Action$ActionEffect;addUnderlyingPermissionU(Ljava/lang/String;Lorg/jboss/as/controller/access/permission/ManagementPerm

ission;)VpermissionNameLjava/lang/String;underlyingPermission@Lorg/jboss/as/controller/access/permission/Man
agementPermission;

StackMapTable

getActions()Ljava/lang/String;

permissioneffecteffectsLjava/util/Set;firstsbLjava/lang/StringBuilder;LocalVariableTypeTableELjava/util/Set<Lorg/
jboss/as/controller/access/Action$ActionEffect;>;implies(Ljava/security/Permission;)Z

underlyingEntryLjava/util/Map$Entry;Ljava/security/Permission;iLjava/util/Map$Entry<Ljava/lang/String;Lorg/jbo
ss/as/controller/access/permission/ManagementPermission;>;equals(Ljava/lang/Object;)ZoLjava/lang/Object;thathas
hCode()IresultI<clinit>()V

SourceFile$CombinationManagementPermission.javaCombinationManagementPermission<java/util/HashMap<o67
45:;java/lang/AssertionErrorincompatible

ActionEffect<5kjava/util/TreeSet>org/jboss/as/controller/access/permission/ManagementPermissionejava/lang/Strin
gBuilder2org/jboss/as/controller/access/Action$ActionEffectO5]^.None of the underlying permissions %s imply
%sjava/util/Map$Entry*Underlying permission %s does not imply

%sIorg/jboss/as/controller/access/permission/CombinationManagementPermissiondejk

java/util/Setjava/util/IteratorI(Ljava/lang/String;Lorg/jboss/as/controller/access/Action$ActionEffect;)VgetActionEf
fect6()Lorg/jboss/as/controller/access/Action$ActionEffect;(Ljava/lang/Object;)V0org/jboss/as/controller/access/Co
mbinationPolicy REJECTING

java/util/Mapsize0org/jboss/as/controller/logging/ControllerLoggerROOT_LOGGER2Lorg/jboss/as/controller/loggi
ng/ControllerLogger;illegalMultipleRoles()Ljava/lang/SecurityException;put8(Ljava/lang/Object;Ljava/lang/Object;
)Ljava/lang/Object;values()Ljava/util/Collection;java/util/Collectioniterator()Ljava/util/Iterator;hasNext()Znext()Lja
va/lang/Object;add%org/jboss/as/controller/access/Actionappend(C)Ljava/lang/StringBuilder;toString-
(Ljava/lang/String;)Ljava/lang/StringBuilder;

PERMISSIVE

ACCESS_LOGGERisTraceEnabledkeySet()Ljava/util/Set;tracef9(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/
Object;)VentrySetgetValuegetKeyjava/lang/ObjectgetClass()Ljava/lang/Class;java/lang/ClassdesiredAssertionStatus
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+#$%$&*'+(*)M,3,*N-++#$,--+(A:Y

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_L|#_aCDPbW|#_cMZZ5de@>*++*.+.+/M*,*,0AqrtxB >CD>fg!hDM

#i@jk@U*1<h*2`<A~BCDlmno@4/3A)M@pq>=@*`

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InnerClassespermissionFactory=Lorg/jboss/as/controller/access/permission/PermissionFactory;$assertionsDisabled Z<init>@(Lorg/jboss/as/controller/access/permission/PermissionFactory;)VCodeLineNumberTableLocalVariableTa blethisJLorg/jboss/as/controller/access/permission/ManagementPermissionAuthorizer;getDescriptionAuthorizerDes criptionC()Lorg/jboss/as/controller/access/Authorizer$AuthorizerDescription;

authorize(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Lorg/jboss/as/controll er/access/Action;Lorg/jboss/as/controller/access/TargetAttribute;)Lorg/jboss/as/controller/access/AuthorizationResu lt;caller'Lorg/jboss/as/controller/access/Caller;callEnvironment,Lorg/jboss/as/controller/access/Environment;action' Lorg/jboss/as/controller/access/Action;target0Lorg/jboss/as/controller/access/TargetAttribute; userPerms$Ljava/security/PermissionCollection;

requiredPerms

StackMapTable(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Lorg/jboss/as/c ontroller/access/Action;Lorg/jboss/as/controller/access/TargetResource;)Lorg/jboss/as/controller/access/Authorizati onResult;/Lorg/jboss/as/controller/access/TargetResource;assertSameAddressY(Lorg/jboss/as/controller/access/Acti on;Lorg/jboss/as/controller/access/TargetResource;)Z

operationLorg/jboss/dmr/ModelNode;~(Ljava/security/PermissionCollection;Ljava/security/PermissionCollection;) Lorg/jboss/as/controller/access/AuthorizationResult;requiredPermissionLjava/security/Permission;userPermissionsr equiredPermissionsenumerationLjava/util/Enumeration;LocalVariableTypeTable3Ljava/util/Enumeration<Ljava/sec urity/Permission;>;authorizeJmxOperation(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/En vironment;Lorg/jboss/as/controller/access/JmxAction;Lorg/jboss/as/controller/access/JmxTarget;)Lorg/jboss/as/cont roller/access/AuthorizationResult;*Lorg/jboss/as/controller/access/JmxAction;*Lorg/jboss/as/controller/access/Jmx Target;getCallerRoless(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Ljava/uti l/Set;)Ljava/util/Set;

runAsRolesLjava/util/Set;#Ljava/util/Set<Ljava/lang/String;>;

Signature(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Ljava/util/Set<Ljava/l ang/String;>;)Ljava/util/Set<Ljava/lang/String;>;isServerBooting/(Lorg/jboss/as/controller/access/Environment;)Z< clinit>()V

SourceFile#ManagementPermissionAuthorizer.java2k./Jorg/jboss/as/controller/access/permission/ManagementPerm issionAuthorizer$1201NOjava/lang/AssertionErrorhi=S>org/jboss/as/controller/descriptions/ModelDescriptionCons tantsaddressjava/security/Permission2org/jboss/as/controller/access/AuthorizationResultorg/jboss/dmr/ModelNode2 2Horg/jboss/as/controller/access/permission/ManagementPermissionAuthorizerjava/lang/Object)org/jboss/as/control ler/access/Authorizer?org/jboss/as/controller/access/Authorizer$AuthorizerDescription"java/security/PermissionColl ectionjava/util/EnumerationM(Lorg/jboss/as/controller/access/permission/ManagementPermissionAuthorizer;)V.org /jboss/as/controller/access/TargetAttributegetTargetResource1()Lorg/jboss/as/controller/access/TargetResource; PERMITTED4Lorg/jboss/as/controller/access/AuthorizationResult;;org/jboss/as/controller/access/permission/Permi ssionFactorygetUserPermissions(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment ;Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetAttribute;)Ljava/security/PermissionC ollection;getRequiredPermissions}(Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetAtt ribute;)Ljava/security/PermissionCollection;(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/ Environment;Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetResource;)Ljava/security/ PermissionCollection;Borg/jboss/as/controller/access/permission/AllPermissionsCollectionINSTANCEDLorg/jboss/ as/controller/access/permission/AllPermissionsCollection;|(Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/con troller/access/TargetResource;)Ljava/security/PermissionCollection;%org/jboss/as/controller/access/ActiongetOpera tion()Lorg/jboss/dmr/ModelNode;-

org/jboss/as/controller/access/TargetResourcegetResourceAddress'()Lorg/jboss/as/controller/PathAddress;get-(Ljava/lang/String;)Lorg/jboss/dmr/ModelNode;#org/jboss/as/controller/PathAddresspathAddress@(Lorg/jboss/dmr/ModelNode;)Lorg/jboss/as/controller/PathAddress;equals((Lorg/jboss/as/controller/PathAddress;)Zelements()Ljava/util/Enumeration;hasMoreElements()ZnextElement()Ljava/lang/Object;implies(Ljava/security/Permission;)Z;org/jboss/as/controller/access/AuthorizationResult$DecisionDecisionDENY=Lorg/jboss/as/controller/access/AuthorizationResult$Decision;0org/jboss/as/controller/logging/ControllerLoggerROOT_LOGGER2Lorg/jboss/as/controller/logging/ControllerLogger;permissionDenied()Ljava/lang/String;(Ljava/lang/String;)VY(Lorg/jboss/as/controller/access/AuthorizationResult$Decision;Lorg/jboss/dmr/ModelNode;)V(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Lorg/jboss/as/controller/access/JmxAction;Lorg/jboss/as/controller/access/JmxTarget;)Ljava/security/PermissionCollection;z(Lorg/jboss/as/controller/access/JmxAction;Lorg/jboss/as/controller/access/JmxTarget;)Ljava/security/PermissionCollection;*org/jboss/as/controller/access/EnvironmentgetProcessStateState8()Lorg/jboss/as/controller/ControlledProcessState$State;4org/jboss/as/controller/ControlledProcessState$StateSTARTING6Lorg/jboss/as/controller/ControlledProcessState$State;java/lang/ClassdesiredAssertionStatus.org/jboss/as/controller/ControlledProcessState!)+,./01

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getUserPermissions(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetAttribute;)Ljava/security/PermissionCollection;(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetResource;)Ljava/security/PermissionCollection;getRequiredPermissions}(Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetAttribute;)Ljava/security/PermissionCollection;|(Lorg/jboss/as/controller/access/Action;Lorg/jboss/as/controller/access/TargetResource;)Ljava/security/PermissionCollection;(Lorg/jboss/as/controller/access/Caller;Lorg/jboss/as/controller/access/Environment;Lorg/jboss/as/controller/access/JmxAction;Lorg/jboss/as/controller/access/JmxTarget;)Ljava/security/PermissionCollection;z(Lorg/jboss/as/controller/access/JmxAction;Lorg/jboss/as/controller/access/JmxTarget;)Ljava/security/PermissionCollection;

SourceFilePermissionFactory.java;org/jboss/as/controller/access/permission/PermissionFactoryjava/lang/Object

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!#this$0JLorg/jboss/as/controller/access/permission/ManagementPermissionAuthorizer;<init>M(Lorg/jboss/as/controller/access/permission/ManagementPermissionAuthorizer;)VCodeLineNumberTableLocalVariableTablethisInnerClassesLLorg/jboss/as/controller/access/permission/ManagementPermissionAuthorizer$1;isRoleBased()ZgetStandardRoles()Ljava/util/Set; Signature%()Ljava/util/Set<Ljava/lang/String;>;

SourceFile#ManagementPermissionAuthorizer.javaEnclosingMethod%&'

()*Jorg/jboss/as/controller/access/permission/ManagementPermissionAuthorizer$1java/lang/Object+?org/jboss/as/controller/access/Authorizer$AuthorizerDescriptionAuthorizerDescriptionHorg/jboss/as/controller/access/permission

/ManagementPermissionAuthorizergetDescriptionC()Lorg/jboss/as/controller/access/Authorizer$AuthorizerDescript
ion;()Vjava/util/CollectionsemptySet)org/jboss/as/controller/access/Authorizer

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SignatureTLjava/lang/Class<+Lorg/jboss/as/controller/access/permission/ManagementPermission;>;nameLjava/lan
g/String;permissionsLjava/util/Map;uActionEffectLjava/util/Map<Lorg/jboss/as/controller/access/Action$ActionEff
ect;Lorg/jboss/as/controller/access/permission/ManagementPermission;>;<init>(Ljava/lang/Class;)VCodeLineNum
berTableLocalVariableTablethisJLorg/jboss/as/controller/access/permission/ManagementPermissionCollection;Loc
alVariableTypeTableW(Ljava/lang/Class<+Lorg/jboss/as/controller/access/permission/ManagementPermission;>;)V
&(Ljava/lang/String;Ljava/lang/Class;)Vi(Ljava/lang/String;Ljava/lang/Class<+Lorg/jboss/as/controller/access/per
mission/ManagementPermission;>;)Vadd(Ljava/security/Permission;)Vmperm@Lorg/jboss/as/controller/access/per
mission/ManagementPermission;
permissionLjava/security/Permission;
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tion$ActionEffect;uelements()Ljava/util/Enumeration;iteratorLjava/util/Iterator;VLjava/util/Iterator<Lorg/jboss/as/c
ontroller/access/permission/ManagementPermission;>;5()Ljava/util/Enumeration<Ljava/security/Permission;>;getN
ame()Ljava/lang/String;()Ljava/util/Iterator;X()Ljava/util/Iterator<Lorg/jboss/as/controller/access/permission/Mana
gementPermission;>;
SourceFile#ManagementPermissionCollection.java+4+yjava/util/HashMap&'$%
!z{|}~w>org/jboss/as/controller/access/permission/ManagementPermission~?Permission collection '%s' does not
provide a permission for %sBC\Permission provided in collection '%s' for action %s does not imply the requested
permissionNPermission collection %s does not imply %s as it is not a
ManagementPermissionJPJorg/jboss/as/controller/access/permission/ManagementPermissionCollection$1+Horg/jbo
ss/as/controller/access/permission/ManagementPermissionCollection"java/security/PermissionCollection2org/jboss/
as/controller/access/Action$ActionEffectjava/security/Permissionjava/lang/Objectjava/lang/Throwable()V
isReadOnly()Z0org/jboss/as/controller/logging/ControllerLoggerROOT_LOGGER2Lorg/jboss/as/controller/logging
/ControllerLogger;permissionCollectionIsReadOnly()Ljava/lang/SecurityException;getClass()Ljava/lang/Class;equa
ls(Ljava/lang/Object;)ZgetActionEffect6()Lorg/jboss/as/controller/access/Action$ActionEffect;
java/util/Mapput8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;incompatiblePermissionType7(Ljava/lan
g/Class;)Ljava/lang/IllegalArgumentException;get&(Ljava/lang/Object;)Ljava/lang/Object;
ACCESS_LOGGERtracef9(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)Va(Lorg/jboss/as/controller/acc

ess/permission/ManagementPermissionCollection;Ljava/util/Iterator;)Vvalues()Ljava/util/Collection;java/util/Collec
tion%org/jboss/as/controller/access/Action! !"#$%&'"*+,-Q*+.
01/01 !2 #"3+4-z**Y*+*,.3-456/ 01$% !2 #"567-V*
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12actionEffect4ActionEffectInnerClasses4Lorg/jboss/as/controller/access/Action$ActionEffect;<init>I(Ljava/lang/S
tring;Lorg/jboss/as/controller/access/Action$ActionEffect;)VCodeLineNumberTableLocalVariableTablethis@Lorg/
jboss/as/controller/access/permission/ManagementPermission;nameLjava/lang/String;newPermissionCollection&()
Ljava/security/PermissionCollection;equals(Ljava/lang/Object;)ZoLjava/lang/Object;that
StackMapTable/hashCode()I
getActions()Ljava/lang/String;getActionEffect6()Lorg/jboss/as/controller/access/Action$ActionEffect;
SourceFileManagementPermission.java5
Horg/jboss/as/controller/access/permission/ManagementPermissionCollection6789>org/jboss/as/controller/access/p
ermission/ManagementPermission!":$java/security/Permission;2org/jboss/as/controller/access/Action$ActionEffect(
Ljava/lang/String;)Vjava/lang/ObjectgetClass()Ljava/lang/Class;(Ljava/lang/Class;)VtoString%org/jboss/as/controll
er/access/Action!
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6Y*1.*++*++M*,679; ..
@!"2*A#$2*F%&/*J'(
3@
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    !#$ classNameLjava/lang/String;module
targetNameaction<init>K(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)VCodeLineNum
berTableLocalVariableTablethis
PermissionInnerClassesFLorg/wildfly/extension/elytron/PermissionMapperDefinitions$Permission;getClassName()
Ljava/lang/String; getModule
getTargetName getAction
SourceFile PermissionMapperDefinitions.java
%
&Dorg/wildfly/extension/elytron/PermissionMapperDefinitions$Permissionjava/lang/Object()V9org/wildfly/extensi
on/elytron/PermissionMapperDefinitions

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ConstantValuenameLjava/lang/String;actions<init>'(Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTable
LocalVariableTablethis=Lorg/wildfly/naming/java/permission/SerializedJndiPermission;readResolve()Ljava/lang/O
bject;

SourceFileSerializedJndiPermission.java$1org/wildfly/naming/java/permission/JndiPermission;org/wildfly/naming/j
ava/permission/SerializedJndiPermissionjava/lang/Objectjava/io/Serializable()V0

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Lorg/wildfly/security/util/CodePointIterator;bLjava/lang/StringBuilder;stringLjava/lang/String;hasNextZ<init>(Ljav
a/lang/String;)VCodeLineNumberTableLocalVariableTablethisParsingIteratorInnerClassesMLorg/wildfly/naming/ja
va/permission/JndiPermissionNameParser$ParsingIterator;()Znext()Ljava/lang/String;qIscp

StackMapTable=M()Ljava/lang/Object; Signature:Ljava/lang/Object;Ljava/util/Iterator<Ljava/lang/String;>;
SourceFileJndiPermissionNameParser.javaNMOPjava/lang/StringBuilder(

java/util/NoSuchElementException)QRSTUVWXY*Z[)*\Korg/wildfly/naming/java/permission/JndiPermissionNa
meParser$ParsingIteratorjava/lang/Objectjava/util/Iterator+org/wildfly/security/util/CodePointIterator()VofStringA(
Ljava/lang/String;)Lorg/wildfly/security/util/CodePointIterator;()I(org/jboss/as/naming/logging/NamingLoggerROO
T_LOGGER*Lorg/jboss/as/naming/logging/NamingLogger;invalidJndiName8(Ljava/lang/String;)Ljava/lang/Illegal
ArgumentException;appendCodePoint(I)Ljava/lang/StringBuilder;toString

setLength(I)V;org/wildfly/naming/java/permission/JndiPermissionNameParser !j"***+*+*Y"US
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mentsIteratorInnerClassesNLorg/wildfly/naming/java/permission/JndiPermissionNameParser$SegmentsIterator;has
Next()Z

StackMapTablenext()Ljava/lang/String;getSegments()[Ljava/lang/String;()Ljava/lang/Object;

Signature:Ljava/lang/Object;Ljava/util/Iterator<Ljava/lang/String;>;
SourceFileJndiPermissionNameParser.java)
*Lorg/wildfly/naming/java/permission/JndiPermissionNameParser$SegmentsIteratorjava/lang/Objectjava/util/Iterat
or()V;org/wildfly/naming/java/permission/JndiPermissionNameParser

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ConstantValueQJNO_PERMISSIONS4[Lorg/wildfly/naming/java/permission/JndiPermission;permissions-
Ljava/util/concurrent/atomic/AtomicReference;
SignaturecLjava/util/concurrent/atomic/AtomicReference<[Lorg/wildfly/naming/java/permission/JndiPermission;>;
$assertionsDisabledZ<init>()VCodeLineNumberTableLocalVariableTablethis=Lorg/wildfly/naming/java/permissio
n/JndiPermissionCollection;7([Lorg/wildfly/naming/java/permission/JndiPermission;)Vadd(Ljava/security/Permissi
on;)VtestPerm3Lorg/wildfly/naming/java/permission/JndiPermission;
permissionLjava/security/Permission;jndiPermissionoldValnewValLjava/util/ArrayList;addedLocalVariableTypeTa
bleJLjava/util/ArrayList<Lorg/wildfly/naming/java/permission/JndiPermission;>;
StackMapTableYcx|gimplies(Ljava/security/Permission;)ZjndiPermissionselements()Ljava/util/Enumeration;5()Lja
va/util/Enumeration<Ljava/security/Permission;>;writeReplace()Ljava/lang/Object;<clinit>
SourceFileJndiPermissionCollection.java23+java/util/concurrent/atomic/AtomicReference*+2},-
~1org/wildfly/naming/java/permission/JndiPermissionTjava/util/ArrayList2M01java/lang/AssertionError:MN=org/
wildfly/naming/java/permission/JndiPermissionCollection$12Eorg/wildfly/naming/java/permission/SerializedJndiPe
rmissionCollection2;org/wildfly/naming/java/permission/JndiPermissionCollection"java/security/PermissionCollecti
onjava/security/Permission(Ljava/lang/Object;)Vorg/wildfly/common/AssertcheckNotNullParam8(Ljava/lang/Strin
g;Ljava/lang/Object;)Ljava/lang/Object;
isReadOnly()Z(org/jboss/as/naming/logging/NamingLoggerROOT_LOGGER*Lorg/jboss/as/naming/logging/Nami
ngLogger;'cannotAddToReadOnlyPermissionCollection()Ljava/lang/SecurityException;invalidPermission@(Ljava/

security/Permission;)Ljava/lang/IllegalArgumentException;

getActionBits()Iget(I)V6(Lorg/wildfly/naming/java/permission/JndiPermission;)ZgetName()Ljava/lang/String;java/lang/Stringequals(Ljava/lang/Object;)ZwithActions6(I)Lorg/wildfly/naming/java/permission/JndiPermission;toArray(([Ljava/lang/Object;)[Ljava/lang/Object;

compareAndSet'(Ljava/lang/Object;Ljava/lang/Object;)Zt(Lorg/wildfly/naming/java/permission/JndiPermissionCollection;[Lorg/wildfly/naming/java/permission/JndiPermission;)V8(Z[Lorg/wildfly/naming/java/permission/JndiPermission;)Vjava/lang/ClassdesiredAssertionStatus0!#%&'(*+,-./01234E**Y5)*+678294X*+W*Y+5-./0678,+:;4L*

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StackMapTablenextElement()Ljava/security/Permission;()Ljava/lang/Object;

SignatureELjava/lang/Object;Ljava/util/Enumeration<Ljava/security/Permission;>;

SourceFileJndiPermissionCollection.javaEnclosingMethod,-.

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=org/wildfly/naming/java/permission/JndiPermissionCollection$1java/lang/Objectjava/util/Enumeration;org/wildfly/naming/java/permission/JndiPermissionCollectionelements()Ljava/util/Enumeration;()V

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ConstantValuea0
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ACTION_REBIND
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ACTION_LOOKUPACTION_LISTACTION_LIST_BINDINGS
ACTION_CREATE_SUBCONTEXT@ACTION_DESTROY_SUBCONTEXTACTION_ADD_NAMING_LISTE
NER
ACTION_ALL$assertionsDisabledZ<init>'(Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableLocalVar
iableTablethis3Lorg/wildfly/naming/java/permission/JndiPermission;nameactions(Ljava/lang/String;I)Vimplies(Lja
va/security/Permission;)Z
permissionLjava/security/Permission;
StackMapTable6(Lorg/wildfly/naming/java/permission/JndiPermission;)Z'(Ljava/lang/String;Ljava/lang/String;)Z(L

java/lang/String;I)Z

maskedBitsequals(Ljava/lang/Object;)ZotherLjava/lang/Object;hashCode()I

getActions()Ljava/lang/String;bLjava/lang/StringBuilder;m

getActionBitswithNewActions6(I)Lorg/wildfly/naming/java/permission/JndiPermission;G(Ljava/lang/String;)Lorg/wildfly/naming/java/permission/JndiPermission;withActionswithoutActionsnewPermissionCollection&()Ljava/security/PermissionCollection;writeReplace()Ljava/lang/Object;impliesPath(Ljava/lang/String;)ZyourNameimpliesPath0myNamemyIterLjava/util/Iterator;yourItermyNextyourNextLocalVariableTypeTable(Ljava/util/Iterator<Ljava/lang/String;>;

canonicalize1&(Ljava/lang/String;)Ljava/lang/String;

canonicalize2parseActions(Ljava/lang/String;)Istr

actionsStringposidxparseAction getAction(I)Ljava/lang/String;bit<clinit>()V

SourceFileJndiPermission.javajava/lang/Stringgpg1org/wildfly/naming/java/permission/JndiPermissionMNqvqxzvz

{~OP*java/lang/StringBuilderg;org/wildfly/naming/java/permission/JndiPermissionCollection;org/wildfly/naming/java/permission/SerializedJndiPermissionghjava: ef

java/lang/AssertionError-<<ALL BINDINGS>>

allbindrebindunbindlookuplistlistBindingscreateSubcontextdestroySubcontextaddNamingListenerjava/security/Permissionjava/util/Iteratororg/wildfly/common/AssertcheckNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;(Ljava/lang/String;)VgetNamejava/lang/IntegerlowestOneBit(I)Iappend-(Ljava/lang/String;)Ljava/lang/StringBuilder;(C)Ljava/lang/StringBuilder;toString

startsWith

substring;org/wildfly/naming/java/permission/JndiPermissionNameParsernameIterator((Ljava/lang/String;)Ljava/util/Iterator;hasNext()ZnextequalsIgnoreCaseindexOflength(II)Ljava/lang/String;trimisEmpty(II)I(org/jboss/as/naming/logging/NamingLoggerROOT_LOGGER*Lorg/jboss/as/naming/logging/NamingLogger;invalidPermissionAction8(Ljava/lang/String;)Ljava/lang/IllegalArgumentException;impossibleSwitchCase$(I)Ljava/lang/IllegalStateException;java/lang/ClassdesiredAssertionStatus1

GHIJKMNOPQNJRSNJTUNJVWNJXYNJZ[NJ\]NJ^_NJ`aNJbcNJdefghiT*+,j

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g/wildfly/naming/java/permission/JndiPermissionNameParser;nameIterator((Ljava/lang/String;)Ljava/util/Iterator;st
ringLjava/lang/String;

Signature<(Ljava/lang/String;)Ljava/util/Iterator<Ljava/lang/String;>;segmentsIterator)([Ljava/lang/String;)Ljava/ut
il/Iterator;segments[Ljava/lang/String;=([Ljava/lang/String;)Ljava/util/Iterator<Ljava/lang/String;>;toArray)(Ljava/
util/Iterator;)[Ljava/lang/String;iterLjava/util/Iterator;LocalVariableTypeTable(Ljava/util/Iterator<Ljava/lang/String
;>;=(Ljava/util/Iterator<Ljava/lang/String;>;)[Ljava/lang/String;*(Ljava/util/Iterator;I)[Ljava/lang/String;nextarraysi
zeI

StackMapTable>(Ljava/util/Iterator<Ljava/lang/String;>;I)[Ljava/lang/String;

SourceFileJndiPermissionNameParser.javaKorg/wildfly/naming/java/permission/JndiPermissionNameParser$Parsin
gIterator=Lorg/wildfly/naming/java/permission/JndiPermissionNameParser$SegmentsIterator>!(?@A)Bjava/lang/St
ring;org/wildfly/naming/java/permission/JndiPermissionNameParserjava/lang/Object(Ljava/lang/String;)V([Ljava/la
ng/String;)Vjava/util/IteratorhasNext()Z()Ljava/lang/Object;0

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ldfly/naming/java/permission/JndiPermission;)VCodeLineNumberTableLocalVariableTablethisGLorg/wildfly/nami
ng/java/permission/SerializedJndiPermissionCollection;readResolve()Ljava/lang/Object;

collection=Lorg/wildfly/naming/java/permission/JndiPermissionCollection;

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SourceFile'SerializedJndiPermissionCollection.java+;org/wildfly/naming/java/permission/JndiPermissionCollection,

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+Eorg/wildfly/naming/java/permission/SerializedJndiPermissionCollectionjava/lang/Objectjava/io/Serializable()V7(

[Lorg/wildfly/naming/java/permission/JndiPermission;)VsetReadOnly

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Signature}Lorg/wildfly/security/permission/AbstractNameOnlyPermission<Lorg/wildfly/security/auth/permission/RunAsPrincipalPermission;>;

SourceFileRunAsPrincipalPermission.java=org/wildfly/security/auth/permission/RunAsPrincipalPermission:org/wildfly/security/permission/AbstractNameOnlyPermission1

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ConstantValue5INSTANCE6Lorg/wildfly/security/auth/permission/LoginPermission;<init>()VCodeLineNumberTableLocalVariableTablethis(Ljava/lang/String;)VnameLjava/lang/String;'(Ljava/lang/String;Ljava/lang/String;)VactionsgetInstance8()Lorg/wildfly/security/auth/permission/LoginPermission;<clinit>

SignaturesLorg/wildfly/security/permission/AbstractBooleanPermission<Lorg/wildfly/security/auth/permission/LoginPermission;>;

SourceFileLoginPermission.java

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SignatureLorg/wildfly/security/permission/AbstractNameOnlyPermission<Lorg/wildfly/security/auth/permission/ChangeRoleMapperPermission;>;

SourceFileChangeRoleMapperPermission.java?org/wildfly/security/auth/permission/ChangeRoleMapperPermission:org/wildfly/security/permission/AbstractNameOnlyPermission1

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SignatureVLjava/util/concurrent/ConcurrentHashMap<Ljava/lang/String;Ljava/security/Permission;>;allLjava/security/Permission;<init>7(Lorg/wildfly/security/permission/AbstractPermission;)VCodeLineNumberTableLocalVariableTablethis<Lorg/wildfly/security/permission/ByNamePermissionCollection;sourcePermission4Lorg/wildfly/security/permission/AbstractPermission;LocalVariableTypeTable7Lorg/wildfly/security/permission/AbstractPermission<*>;;:(Lorg/wildfly/security/permission/AbstractPermission<*>;)Vsize()I

StackMapTableiterator()Ljava/util/Iterator;2()Ljava/util/Iterator<Ljava/security/Permission;>;elements()Ljava/util/Enumeration;5()Ljava/util/Enumeration<Ljava/security/Permission;>;getIterablePermissions()Ljava/util/Collection;d4()Ljava/util/Collection<Ljava/security/Permission;>;doAdd

permissionimplies(Ljava/security/Permission;)Z

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SourceFileByNamePermissionCollection.java"#&java/util/concurrent/ConcurrentHashMap"e

!./78d12fghijk8lmnopqrstuv*wxyze{|}~=>java/security/Permission:org/wildfly/security/permission/ByNamePermissionCollection<org/wildfly/security/permission/AbstractPermissionCollectionjava/util/Collection()Vjava/util/Collectionsenumeration/(Ljava/util/Collection;)Ljava/util/Enumeration;

singleton#(Ljava/lang/Object;)Ljava/util/Set;values.org/wildfly/security/permission/PermissionUtilNO_PERMISSIONS[Ljava/security/Permission;toArray((([Ljava/lang/Object;)[Ljava/lang/Object;java/util/ArraysasList%([Ljava/lan

g/Object;)Ljava/util/List;2org/wildfly/security/permission/AbstractPermissiongetName()Ljava/lang/String;java/lang/Stringequals(Ljava/lang/Object;)ZclearputIfAbsent8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;getSourcePermission6()Lorg/wildfly/security/permission/AbstractPermission;java/lang/ObjectgetClass()Ljava/lang/Class;get&(Ljava/lang/Object;)Ljava/lang/Object;1B !"#$_*+*Y%,#-&'()*+),-./$H*

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SignatureQ(Ljava/lang/Class<*>;)Lorg/wildfly/security/permission/PermissionActions$Info<*>;computeRealeLjava/lang/Object;rootTrieNode<Lorg/wildfly/security/permission/PermissionActions$TrieNode;

enumConstants[Ljava/lang/Object;TE;Ljava/lang/Class<TE;>;ALorg/wildfly/security/permission/PermissionActions$TrieNode<TE;>;[TE;

StackMapTableAC8%k<E:Ljava/lang/Object;>(Ljava/lang/Class<TE;>;)Lorg/wildfly/security/permission/PermissionActions$Info<TE;>;%(Ljava/lang/Class;)Ljava/lang/Object;SLjava/lang/ClassValue<Lorg/wildfly/security/permission/PermissionActions$Info<*>;>;

SourceFilePermissionActions.javaEnclosingMethodD

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L3org/wildfly/security/permission/PermissionActions$1java/lang/ClassValuejava/lang/Class1org/wildfly/security/permission/PermissionActionsgetEnumConstants()[Ljava/lang/Object;java/lang/ObjecttoString()Ljava/lang/String;put((Ljava/lang/String;ILjava/lang/Object;)VR(Lorg/wildfly/security/permission/PermissionActions$TrieNode;[Ljava/lang/Object;)V0

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ConstantValue permissionsRef-Ljava/util/concurrent/atomic/AtomicReference;

SignatureJLjava/util/concurrent/atomic/AtomicReference<[Ljava/security/Permission;>;<init>7(Lorg/wildfly/security/permission/AbstractPermission;)VCodeLineNumberTableLocalVariableTablethis<Lorg/wildfly/security/permission/SimplePermissionCollection;sourcePermission4Lorg/wildfly/security/permission/AbstractPermission;LocalVariableTypeTable7Lorg/wildfly/security/permission/AbstractPermission<*>;:(Lorg/wildfly/security/permission/AbstractPermission<*>;)Vsize()IdoAddtestLjava/security/Permission;iI

permissionoldVal[Ljava/security/Permission;readValnewValcount

StackMapTablePRCKimplies(Ljava/security/Permission;)Ziterator()Ljava/util/Iterator;2()Ljava/util/Iterator<Ljava/security/Permission;>;elements()Ljava/util/Enumeration;5()Ljava/util/Enumeration<Ljava/security/Permission;>;

SourceFileSimplePermissionCollection.java+java/util/concurrent/atomic/AtomicReferenceST/UVW89Rjava/security/PermissionXY'org/wildfly/security/util/ArrayIterator[Ljava/lang/Object;Z:org/wildfly/security/permission/SimplePermissionCollection<org/wildfly/security/permission/AbstractPermissionCollection2org/wildfly/security/permission/AbstractPermission.org/wildfly/security/permission/PermissionUtilNO_PERMISSIONS(Ljava/lang/Object;)Vget()Ljava/lang/Object;

compareAndSet'(Ljava/lang/Object;Ljava/lang/Object;)Z([Ljava/lang/Object;)V1b*+*Y.&/ !"#!$%&'6*2 (*:N6-M,:66 & 2:

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Lorg/wildfly/security/util/StringEnumeration;newInstance(Lorg/wildfly/security/permission/AbstractNameSetOnlyPermission;)Lorg/wildfly/security/permission/AbstractPermissionCollection;CodeLineNumberTableLocalVariableTablesourcePermission?Lorg/wildfly/security/permission/AbstractNameSetOnlyPermission;LocalVariableTypeTableBLorg/wildfly/security/permission/AbstractNameSetOnlyPermission<*>;

Signature(Lorg/wildfly/security/permission/AbstractNameSetOnlyPermission<*>;)Lorg/wildfly/security/permission/AbstractPermissionCollection;(Lorg/wildfly/security/permission/AbstractPermission;Lorg/wildfly/security/util/Stri

ngEnumeration;)Lorg/wildfly/security/permission/AbstractPermissionCollection;4Lorg/wildfly/security/permission/AbstractPermission;sizeI7Lorg/wildfly/security/permission/AbstractPermission<*>;

StackMapTable(Lorg/wildfly/security/permission/AbstractPermission<*>;Lorg/wildfly/security/util/StringEnumeration;)Lorg/wildfly/security/permission/AbstractPermissionCollection;<init>d(Lorg/wildfly/security/permission/AbstractPermission;Lorg/wildfly/security/util/StringEnumeration;)Vthis=Lorg/wildfly/security/permission/NameSetPermissionCollection;g(Lorg/wildfly/security/permission/AbstractPermission<*>;Lorg/wildfly/security/util/StringEnumeration;)VgetNameEnumeration/()Lorg/wildfly/security/util/StringEnumeration;

SourceFile

NameSetPermissionCollection.javaA./"BCDE$F>org/wildfly/security/permission/IntNameSetPermissionCollection)*?org/wildfly/security/permission/LongNameSetPermissionCollectionGH)I;org/wildfly/security/permission/NameSetPermissionCollection<org/wildfly/security/permission/AbstractPermissionCollection=org/wildfly/security/permission/AbstractNameSetOnlyPermissionorg/wildfly/common/AssertcheckNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;+org/wildfly/security/util/StringEnumeration()Iunsupported+()Ljava/lang/UnsupportedOperationException;7(Lorg/wildfly/security/permission/AbstractPermission;)V! E ***   ! "7*W+W+=

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permissionLjava/security/Permission;expectedLjava/lang/Class;HLjava/lang/Class<+Lorg/wildfly/security/permission/AbstractPermission;>;

StackMapTableWdoAddgetSourcePermission6()Lorg/wildfly/security/permission/AbstractPermission;9()Lorg/wildfly/security/permission/AbstractPermission<*>;writeReplace()Ljava/lang/Object;Ljava/security/PermissionCollection;Ljava/lang/Iterable<Ljava/security/Permission;>;Lorg/wildfly/security/permission/PermissionVerifier;

SourceFile!AbstractPermissionCollection.javaXYZ[\]^_`abcde2org/wildfly/security/permission/AbstractPermissionWfghijk8>org/wildfly/security/permission/SerializedPermissionCollectionl<org/wildfly/security/permission/AbstractPermissionCollection"java/security/PermissionCollectionjava/lang/Iterable2org/wildfly/security/permission/PermissionVerifierjava/lang/Class()Vorg/wildfly/common/AssertcheckNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;

isReadOnly()Z-

org/wildfly/security/_private/ElytronMessageslog/Lorg/wildfly/security/_private/ElytronMessages;readOnlyPermissionCollection()Ljava/lang/SecurityException;java/lang/ObjectgetClass()Ljava/lang/Class;

asSubclass$(Ljava/lang/Class;)Ljava/lang/Class;invalidPermissionTypeQ(Ljava/lang/Class;Ljava/security/Permission;)Ljava/lang/IllegalArgumentException;cast&(Ljava/lang/Object;)Ljava/lang/Object;A(Lorg/wildfly/security/permission/AbstractPermissionCollection;)V! c*+W*+!,-./"#$%&'()*+,-./0 D+W**

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ConstantValue;V3<init>(Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis:Lorg/wildfly/security/permission/AbstractActionPermission;nameLjava/lang/String;LocalVariableTypeTableBLorg/wildfly/security/permission/AbstractActionPermission<TThis;>;implies=(Lorg/wildfly/security/permission/AbstractActionPermission;)Z permissionTThis;

StackMapTable Signature (TThis;)ZequalshashCode()I

actionsEquals(Ljava/lang/String;)Z(Ljava/security/Permission;)ZLjava/security/Permission;actionsHashCodeimpliesActionswithActionsN(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractActionPermission;(Ljava/lang/String;)TThis;withActionsFromv(Lorg/wildfly/security/permission/AbstractActionPermission;)Lorg/wildfly/security/permission/AbstractActionPermission;(TThis;)TThis;withoutActionswithoutActionsFromwithNewActionswithNewActionsFrom<(Lorg/wildfly/security/permission/AbstractNamedPermission;)Z7(Lorg/wildfly/security/permission/AbstractPermission;)Z<This:Lorg/wildfly/security/permission/AbstractActionPermission<TThis;>;>Lorg/wildfly/security/permission/AbstractNamedPermission<TThis;>;

SourceFileAbstractActionPermission.java1#S<)<,#*+0+TUV8org/wildfly/security/permission/AbstractActionPermissionWXYZ[23:3)#"#7org/wildfly/security/permission/AbstractNamedPermissionimpliesNamejava/lang/ObjectgetClass()Ljava/lang/Class;org/wildfly/common/AssertcheckNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;

getActions()Ljava/lang/String;! P*+

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Lorg/wildfly/security/util/StringEnumeration;LocalVariableTypeTable7Lorg/wildfly/security/permission/AbstractPe rmission<*>;

Signatureg(Lorg/wildfly/security/permission/AbstractPermission<*>;Lorg/wildfly/security/util/StringEnumeration;) V

permissionFor(I)Ljava/security/Permission;idIdoAdd7(Lorg/wildfly/security/permission/AbstractPermission;)V permissionsetBitsJoldVal

StackMapTableX:(Lorg/wildfly/security/permission/AbstractPermission<*>;)Vimplies(Ljava/security/Permission;) ZLjava/security/Permission;testBitsize()Iiterator1()Lorg/wildfly/security/util/EnumerationIterator;M()Lorg/wildfly/ security/util/EnumerationIterator<Ljava/security/Permission;>;elementsgetBitsForName(Ljava/security/Permission;)JbitsnameLjava/lang/String;suvw()Ljava/util/Enumeration;()Ljava/util/Iterator;

access$000^(Lorg/wildfly/security/permission/LongNameSetPermissionCollection;I)Ljava/security/Permission;x0x 1

SourceFile$LongNameSetPermissionCollection.java./
&java/util/concurrent/atomic/AtomicLongxyz7org/wildfly/security/permission/AbstractNamedPermission{|w}~EF? @Dorg/wildfly/security/permission/LongNameSetPermissionCollection$IterABu*vDB?org/wildfly/security/permis sion/LongNameSetPermissionCollection;org/wildfly/security/permission/NameSetPermissionCollectionjava/securit y/Permissionjava/lang/String+org/wildfly/security/util/StringEnumeration()VgetSourcePermission6()Lorg/wildfly/s ecurity/permission/AbstractPermission;getNameEnumeration/()Lorg/wildfly/security/util/StringEnumeration;nameO f(I)Ljava/lang/String;withNameM(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractNamedPermission;g et()J

compareAndSet(JJ)Zjava/lang/ObjectgetClass()Ljava/lang/Class;java/lang/LongbitCount(J)IE(Lorg/wildfly/security /permission/LongNameSetPermissionCollection;J)VgetName()Ljava/lang/String;equals(Ljava/lang/Object;)Zindex Of(Ljava/lang/String;)I0 !j*+,*Y"!"# $%&'()*&+,-./!G**
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ConstantValueINSTANCE8Lorg/wildfly/security/permission/NoPermissionCollection;<init>()VCodeLineNumberTableLocalVariableTablethisgetInstance:()Lorg/wildfly/security/permission/NoPermissionCollection;doAdd7(Lorg/wildfly/security/permission/AbstractPermission;)V

permission4Lorg/wildfly/security/permission/AbstractPermission;LocalVariableTypeTable7Lorg/wildfly/security/permission/AbstractPermission<*>;

Signature:(Lorg/wildfly/security/permission/AbstractPermission<*>;)Vimplies(Ljava/security/Permission;)ZLjava/security/Permission;elements()Ljava/util/Enumeration;5()Ljava/util/Enumeration<Ljava/security/Permission;>;iterator()Ljava/util/Iterator;2()Ljava/util/Iterator<Ljava/security/Permission;>;size()IreadResolve()Ljava/lang/Object;equals(Ljava/lang/Object;)ZobjLjava/lang/Object;hashCode<clinit>

SourceFileNoPermissionCollection.javaDEFG&H)6org/wildfly/security/permission/NoPermissionCollectionIJK3,<

org/wildfly/security/permission/AbstractPermissionCollection,org/wildfly/security/permission/NoPermission0()Lorg/wildfly/security/permission/NoPermission;java/util/CollectionsemptyEnumeration

emptyIteratorjava/lang/ObjectgetClass()Ljava/lang/Class;0

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INSTANCE.Lorg/wildfly/security/permission/NoPermission;<init>()VCodeLineNumberTableLocalVariableTablethis(Ljava/lang/String;)VignoredLjava/lang/String;'(Ljava/lang/String;Ljava/lang/String;)Vignored1ignored2getInstance0()Lorg/wildfly/security/permission/NoPermission;implies1(Lorg/wildfly/security/permission/NoPermission;)Z

permissionequalsother

StackMapTablehashCode()InewPermissionCollection@()Lorg/wildfly/security/permission/AbstractPermissionCollection;7(Lorg/wildfly/security/permission/AbstractPermission;)Z&()Ljava/security/PermissionCollection;<clinit>

SignaturedLorg/wildfly/security/permission/AbstractPermission<Lorg/wildfly/security/permission/NoPermission;>;

SourceFileNoPermission.java<no permissions>ABC()D

E,org/wildfly/security/permission/NoPermission%#"#*+2org/wildfly/security/permission/AbstractPermissionjava/lang/ObjectgetClass()Ljava/lang/Class;6org/wildfly/security/permission/NoPermissionCollection:()Lorg/wildfly/security/permission/NoPermissionCollection;1

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permissionLjava/security/Permission;

StackMapTable7(Lorg/wildfly/security/permission/AbstractPermission;)Z Signature

(TThis;)Zequals(Ljava/lang/Object;)ZobjLjava/lang/Object;hashCode()I

getActions()Ljava/lang/String;newPermissionCollection@()Lorg/wildfly/security/permission/AbstractPermissionCollection;requireEmptyActionsactions

ExceptionsOwriteReplace()Ljava/lang/Object;&()Ljava/security/PermissionCollection;<This:Lorg/wildfly/security/permission/AbstractPermission<TThis;>;>Ljava/security/Permission;Lorg/wildfly/security/permission/PermissionVerifier;

SourceFileAbstractPermission.javaPQR2org/wildfly/security/permission/AbstractPermission#&#:org/wildfly/security/permission/SimplePermissionCollectionSTUVWXYZ[4org/wildfly/security/permission/SerializedPermission\-,-]./java/security/Permission2org/wildfly/security/permission/PermissionVerifier"java/lang/IllegalArgumentExceptionjava/lang/ObjectgetClass()Ljava/lang/Class;7(Lorg/wildfly/security/permission/AbstractPermission;)Vjava/lang/StringisEmpty()Z-

org/wildfly/security/_private/ElytronMessageslog/Lorg/wildfly/security/_private/ElytronMessages;expectedEmptyActions8(Ljava/lang/String;)Ljava/lang/IllegalArgumentException;getName8(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/String;)V!P*+

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ConstantValues9kactionEnumeration-Lorg/wildfly/security/util/StringEnumeration;

actionBitsIactionsLjava/lang/String;<init>C(Ljava/lang/String;ILorg/wildfly/security/util/StringEnumeration;)VCodeLineNumberTableLocalVariableTablethis=Lorg/wildfly/security/permission/AbstractActionSetPermission;nameLocalVariableTypeTableELorg/wildfly/security/permission/AbstractActionSetPermission<TThis;>;

StackMapTableT(Ljava/lang/String;Ljava/lang/String;Lorg/wildfly/security/util/StringEnumeration;)V

getActionBits()I

actionsEquals@(Lorg/wildfly/security/permission/AbstractActionSetPermission;)Z

permissionTThis; Signature

(TThis;)ZimpliesActions(Ljava/lang/String;)ZimpliesActionBits(I)ZactionsMaskgetActionBit(Ljava/lang/String;)I

actionName

Exceptions

getActionName(I)Ljava/lang/String;bitactionsHashCode

getActions()Ljava/lang/String;parseActions

actionsStringwithActionsQ(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractActionSetPermission;(Ljava/lang/String;)TThis;withActionsFrom|(Lorg/wildfly/security/permission/AbstractActionSetPermission;)Lorg/wildfly/security/permission/AbstractActionSetPermission;(TThis;)TThis;withActionBits@(I)Lorg/wildfly/security/permission/AbstractActionSetPermission;

(I)TThis;withoutActionswithoutActionsFromwithoutActionBitswithNewActionswithNewActionsFromwithNewActionBitsmaskedconstructWithActionBitsisSet(II)Zbitstestv(Lorg/wildfly/security/permission/AbstractActionPermission;)Lorg/wildfly/security/permission/AbstractActionPermission;N(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractActionPermission;=(Lorg/wildfly/security/permission/AbstractActionPermission;)Z<This:Lorg/wildfly/security/permission/AbstractActionSetPermission<TThis;>;>Lorg/wildfly/security/permission/AbstractActionPermission<TThis;>;

SourceFile

AbstractActionSetPermission.java,&'G<()**+SI;<fgEF<INBootstrapMethodsNIS[\c\`\e\;org/wildfly/security/permission/AbstractActionSetPermissionbYaV_Y^VXYUVC>=>8org/wildfly/security/permission/AbstractActionPermissionjava/lang/String+org/wildfly/security/util/StringEnumeration"java/lang/IllegalArgumentException(Ljava/lang/String;)VsizeindexOfjava/lang/IntegernumberOfTrailingZeros(I)InameOf

(I)Ljava/lang/Object;

apply_(Lorg/wildfly/security/permission/AbstractActionSetPermission;)Ljava/util/function/IntFunction;.org/wildfly/security/permission/PermissionUtiltoActionsString5(ILjava/util/function/IntFunction;)Ljava/lang/String;(Ljava/lang/Object;)I

applyAsInta(Lorg/wildfly/security/permission/AbstractActionSetPermission;)Ljava/util/function/ToIntFunction;7(Ljava/lang/String;Ljava/util/function/ToIntFunction;)IMNHI"java/lang/invoke/LambdaMetafactorymetafactoryLookupInnerClasses(Ljava/lang/invoke/MethodHandles$Lookup;Ljava/lang/String;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodHandle;Ljava/lang/invoke/MethodType;)Ljava/lang/invoke/CallSite;%java/lang/invoke/MethodHandles$Lookupjava/lang/invoke/MethodHandles! !"#$&'()*+ ,-.#*+*-**~* */,-./"00*#12#3+#()#&'4#156"789,:.,*+*-*,6**~* */:;

<=>+?04,12,3+,*+,&'()4,156+7889;<.A*/G012415=>.p+*+/K012?2415?@6@ABC>.s+*+ /O012?2415?@6@ABCD.P

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ConstantValuesLjava/security/Permission;p[Ljava/security/Permission;rZ<init>A(Lorg/wildfly/security/permission/AbstractPermissionCollection;)VCodeLineNumberTableLocalVariableTablethis@Lorg/wildfly/security/permission/SerializedPermissionCollection;

collection>Lorg/wildfly/security/permission/AbstractPermissionCollection;listLjava/util/ArrayList;LocalVariableTypeTable1Ljava/util/ArrayList<Ljava/security/Permission;>;readResolve()Ljava/lang/Object;

permission$Ljava/security/PermissionCollection;

StackMapTableQT

SourceFile#SerializedPermissionCollection.java!UVWXjava/util/ArrayListYZ![\]BootstrapMethods^_`abcdefghijklmnToapU>org/wildfly/security/permission/SerializedPermissionCollectionjava/lang/Objectjava/io/Serializable"java/security/PermissionCollection()V<org/wildfly/security/permission/AbstractPermissionCollectiongetSourcePermission6()Lorg/wildfly/security/permission/AbstractPermission;size()I(I)VgetClass()Ljava/lang/Class;

qr(Ljava/lang/Object;)V

s(Ljava/security/Permission;)Vaccept4(Ljava/util/ArrayList;)Ljava/util/function/Consumer;forEach(Ljava/util/function/Consumer;)V.org/wildfly/security/permission/PermissionUtilNO_PERMISSIONStoArray(([Ljava/lang/Object;)[Ljava/lang/Object;

isReadOnly()Zjava/security/PermissionnewPermissionCollection&()Ljava/security/PermissionCollection;addsetReadOnlytuyoz"java/lang/invoke/LambdaMetafactorymetafactory|LookupInnerClasses(Ljava/lang/invoke/MethodHandles$Lookup;Ljava/lang/String;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodHandle;Ljava/lang/invoke/MethodType;)Ljava/lang/invoke/CallSite;(Ljava/lang/Object;)Z}%java/lang/invoke/MethodHandles$Lookupjava/lang/invoke/MethodHandles0 !"#>**+Y+M+,YW *,

+$!"#$'%5&='% >&'>()&+,&*-./#8*L*

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12<init>()VCodeLineNumberTableLocalVariableTablethis;Lorg/wildfly/security/permission/AbstractBooleanPermission;LocalVariableTypeTableCLorg/wildfly/security/permission/AbstractBooleanPermission<TThis;>;implies>(Lorg/wildfly/security/permission/AbstractBooleanPermission;)Z

permissionTThis;

StackMapTable Signature

(TThis;)ZequalsotherhashCode()InewPermissionCollection@()Lorg/wildfly/security/permission/AbstractPermissionCollection;7(Lorg/wildfly/security/permission/AbstractPermission;)Z&()Ljava/security/PermissionCollection;<This:Lorg/wildfly/security/permission/AbstractBooleanPermission<TThis;>;>Lorg/wildfly/security/permission/AbstractPermission<TThis;>;

SourceFileAbstractBooleanPermission.java3456;org/wildfly/security/permission/BooleanPermissionCollection79org/wildfly/security/permission/AbstractBooleanPermission

!2org/wildfly/security/permission/AbstractPermission(Ljava/lang/String;)Vjava/lang/ObjectgetClass()Ljava/lang/Cl

ass;7(Lorg/wildfly/security/permission/AbstractPermission;)V!

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5678resultJ<init>()VCodeLineNumberTableLocalVariableTablethisLongMatchActionInnerClassesCLorg/wildfly/security/permission/PermissionActions$LongMatchAction;LocalVariableTypeTableHLorg/wildfly/security/permission/PermissionActions$LongMatchAction<TE;>;matched(Ljava/lang/Enum;)VitemLjava/lang/Enum;TE;

Signature(TE;)V

matchedAll(Ljava/lang/Class;)VtypeLjava/lang/Class;Ljava/lang/Class<TE;>;(Ljava/lang/Class<TE;>;)V

getResult()JMatchActiono<E:Ljava/lang/Enum<TE;>;>Ljava/lang/Object;Lorg/wildfly/security/permission/PermissionActions$MatchAction<TE;>;

SourceFilePermissionActions.java

9:;<=>?@A6org/wildfly/security/permission/PermissionActions$InfoInfoBCAorg/wildfly/security/permission/PermissionActions$LongMatchActionjava/lang/Object=org/wildfly/security/permission/PermissionActions$MatchAction

java/lang/Enumordinal()I1org/wildfly/security/permission/PermissionActions

access$000()Ljava/lang/ClassValue;java/lang/ClassValueget%(Ljava/lang/Class;)Ljava/lang/Object;

constants[Ljava/lang/Object;

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!"!#$%&A*()*/

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  "#root$TrieNodeInnerClasses<Lorg/wildfly/security/permission/PermissionActions$TrieNode;

SignatureALorg/wildfly/security/permission/PermissionActions$TrieNode<TE;>;

constants[Ljava/lang/Object;[TE;<init>R(Lorg/wildfly/security/permission/PermissionActions$TrieNode;[Ljava/lang/Object;)VCodeLineNumberTableLocalVariableTablethisInfo8Lorg/wildfly/security/permission/PermissionActions$Info;LocalVariableTypeTable=Lorg/wildfly/security/permission/PermissionActions$Info<TE;>;H(Lorg/wildfly/security/permission/PermissionActions$TrieNode<TE;>;[TE;)V(<E:Ljava/lang/Object;>Ljava/lang/Object;

SourceFilePermissionActions.java%

&6org/wildfly/security/permission/PermissionActions$Infojava/lang/Object:org/wildfly/security/permission/PermissionActions$TrieNode()V1org/wildfly/security/permission/PermissionActions0

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ConstantValues9kcLjava/lang/Class;
Signature.Ljava/lang/Class<+Ljava/security/Permission;>;nLjava/lang/String;a<init>8(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis6Lorg/wildfly/security/permission/SerializedPermission;permissionClassnameactionLocalVariableTypeTableU(Ljava/lang/Class<+Ljava/security/Permission;>;Ljava/lang/String;Ljava/lang/String;)VreadResolve()Ljava/lang/Object;
SourceFileSerializedPermission.java./014org/wildfly/security/permission/SerializedPermissionjava/lang/Objectjava/io/Serializable()V.org/wildfly/security/permission/PermissionUtilcreatePermissionQ(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/String;)Ljava/security/Permission;0
~**+*,*- !"#* !":***&#$
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5678resultI<init>()VCodeLineNumberTableLocalVariableTablethisIntMatchActionInnerClassesBLorg/wildfly/security/permission/PermissionActions$IntMatchAction;LocalVariableTypeTableGLorg/wildfly/security/permission/PermissionActions$IntMatchAction<TE;>;matched(Ljava/lang/Enum;)VitemLjava/lang/Enum;TE; Signature(TE;)V
matchedAll(Ljava/lang/Class;)VtypeLjava/lang/Class;Ljava/lang/Class<TE;>;(Ljava/lang/Class<TE;>;)V
getResult()IMatchActiono<E:Ljava/lang/Enum<TE;>;>Ljava/lang/Object;Lorg/wildfly/security/permission/PermissionActions$MatchAction<TE;>;
SourceFilePermissionActions.java
9:&;<=>?@6org/wildfly/security/permission/PermissionActions$InfoInfoAB@org/wildfly/security/permission/PermissionActions$IntMatchActionjava/lang/Object=org/wildfly/security/permission/PermissionActions$MatchActionjava/lang/Enumordinal1org/wildfly/security/permission/PermissionActions
access$000()Ljava/lang/ClassValue;java/lang/ClassValueget%(Ljava/lang/Class;)Ljava/lang/Object;
constants[Ljava/lang/Object;

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d*Y+x
p*Y+xd
!"!#$%&A*()*/
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ConstantValueT)i3strings-
Lorg/wildfly/security/util/StringEnumeration;mapping)Lorg/wildfly/security/util/StringMapping;
Signature^Lorg/wildfly/security/util/StringMapping<Lorg/wildfly/security/permission/ElytronPermission;>;
allPermission3Lorg/wildfly/security/permission/ElytronPermission;<init>(Ljava/lang/String;)VCodeLineNumberTa
bleLocalVariableTablethisnameLjava/lang/String;'(Ljava/lang/String;Ljava/lang/String;)VactionswithNameG(Ljava
/lang/String;)Lorg/wildfly/security/permission/ElytronPermission;forName
StackMapTableRM(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractNamedPermission;<clinit>()VtLor
g/wildfly/security/permission/AbstractNameSetOnlyPermission<Lorg/wildfly/security/permission/ElytronPermissio
n;>;
SourceFileElytronPermission.java19)*1op2=<qrs*tu/0+,vw1org/wildfly/security/permission/ElytronPermission;<ja
va/lang/StringauthenticatecreateAuthenticator.createAuthenticationContextConfigurationClientcreateSecurityDomai
ncreateSecurityRealmregisterSecurityDomaingetSecurityDomainunregisterSecurityDomainsetRunAsPrincipal!creat
eServerAuthenticationContextgetPrivateCredentialsgetIdentitygetIdentityForUpdatecreateAdHocIdentityxyz'org/wil
dfly/security/util/StringMappingBootstrapMethods{|"<}~112=org/wildfly/security/permission/AbstractNameSetOnl
yPermissionB(Ljava/lang/String;Lorg/wildfly/security/util/StringEnumeration;)VrequireEmptyActionsorg/wildfly/c
ommon/AssertcheckNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;equals(Ljava/lang/Obj
ect;)ZgetItemByString&(Ljava/lang/String;)Ljava/lang/Object;+org/wildfly/security/util/StringEnumerationofB([Lja
va/lang/String;)Lorg/wildfly/security/util/StringEnumeration;
&(Ljava/lang/Object;)Ljava/lang/Object;apply()Ljava/util/function/Function;M(Lorg/wildfly/security/util/StringEnu
meration;Ljava/util/function/Function;)V"java/lang/invoke/LambdaMetafactorymetafactoryLookupInnerClasses(Lja
va/lang/invoke/MethodHandles$Lookup;Ljava/lang/String;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/Meth
odType;Ljava/lang/invoke/MethodHandle;Ljava/lang/invoke/MethodType;)Ljava/lang/invoke/CallSite;%java/lang/i
nvoke/MethodHandles$Lookupjava/lang/invoke/MethodHandles1
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EFGHbitsJthis$0ALorg/wildfly/security/permission/LongNameSetPermissionCollection;<init>E(Lorg/wildfly/security/permission/LongNameSetPermissionCollection;J)VCodeLineNumberTableLocalVariableTablethisIterInnerClassesFLorg/wildfly/security/permission/LongNameSetPermissionCollection$Iter;hasMoreElements()Z

StackMapTablenextElement()Ljava/security/Permission;bithasNextnext()Ljava/lang/Object;

Signature]Ljava/lang/Object;Lorg/wildfly/security/util/EnumerationIterator<Ljava/security/Permission;>;

SourceFile$LongNameSetPermissionCollection.javaI

java/util/NoSuchElementExceptionJKLMNOPQRST7org/wildfly/security/permission/AbstractNamedPermission*U

VWXYLZ[%&(),)Dorg/wildfly/security/permission/LongNameSetPermissionCollection$Iterjava/lang/Object-

org/wildfly/security/util/EnumerationIterator()Vjava/lang/LongbitCount(J)I?org/wildfly/security/permission/LongN

ameSetPermissionCollectiongetNameEnumeration/()Lorg/wildfly/security/util/StringEnumeration;+org/wildfly/security/util/StringEnumerationsize()IgetSourcePermission6()Lorg/wildfly/security/permission/AbstractPermission;with

NameM(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractNamedPermission;lowestOneBit(J)JnumberOf

TrailingZeros

access$000^(Lorg/wildfly/security/permission/LongNameSetPermissionCollection;I)Ljava/security/Permission;

K*+** Y Z[!$%&D* ^ !$'

@()U*@ Y** *

B*!*!"bcd$e)f9h>iIj U!$P>*'%+&/*n !$,)/*r !$A(-/*V !$A,-/*V !$./01#

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ConstantValuem'%z<init>()VCodeLineNumberTableLocalVariableTablethisALorg/wildfly/security/permission/InvalidPermissionClassException;(Ljava/lang/String;)VmsgLjava/lang/String;(Ljava/lang/String;Ljava/lang/Throwable;)VcauseLjava/lang/Throwable;*(Ljava/lang/String;Ljava/lang/Throwable;)V

SourceFile$InvalidPermissionClassException.java

?org/wildfly/security/permission/InvalidPermissionClassException"java/lang/IllegalArgumentException!

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TUC_EMPTY[CT_EMPTYTrieNodeInnerClasses=[Lorg/wildfly/security/permission/PermissionActions$TrieNode
;resultLjava/lang/Object;
SignatureTE;matcheschildrenB[Lorg/wildfly/security/permission/PermissionActions$TrieNode<TE;>;<init>()VCod
eLineNumberTableLocalVariableTablethis<Lorg/wildfly/security/permission/PermissionActions$TrieNode;LocalV
ariableTypeTableALorg/wildfly/security/permission/PermissionActions$TrieNode<TE;>;put((Ljava/lang/String;ILj
ava/lang/Object;)V oldLengthI
newMatchesnewChildreninsertIndexnewNodesLjava/lang/String;idxvaluecCi
StackMapTable(Ljava/lang/String;ITE;)Vget((Ljava/lang/String;II)Ljava/lang/Object;end(Ljava/lang/String;II)TE;<
clinit>(<E:Ljava/lang/Object;>Ljava/lang/Object;
SourceFilePermissionActions.java
!VWXYZ[\]^_^`abcd:org/wildfly/security/permission/PermissionActions$TrieNode)*:;java/lang/Objectjava/lang/St
ringlength()IcharAt(I)Cjava/util/ArraysbinarySearch([CC)IcopyOf([CI)[C)([Ljava/lang/Object;I)[Ljava/lang/Object;
java/lang/System
arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)V1org/wildfly/security/permission/PermissionActions0
!"W***#167$%&'%()*"+ *-+6* 6*6*`
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=?@ A%C,D9EIGPHbItJ{KLMNOPQS$p,u+,9h-IX.PQ/, 0&
%&123,456 7,'*IX.0(
%(48 9:;"3*+6* 6*2+`#VW
YZ[!\#^$>3%&31233,3<,"567,'3%(8
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./01val$e1Ljava/util/Enumeration;val$e2this$0;Lorg/wildfly/security/permission/UnionPermissionCollection;<init>
l(Lorg/wildfly/security/permission/UnionPermissionCollection;Ljava/util/Enumeration;Ljava/util/Enumeration;)VC
odeLineNumberTableLocalVariableTablethisInnerClasses=Lorg/wildfly/security/permission/UnionPermissionColle
ction$1;hasMoreElements()Z

StackMapTablenextElement()Ljava/security/Permission;-()Ljava/lang/Object;
SignatureELjava/lang/Object;Ljava/util/Enumeration<Ljava/security/Permission;>;
SourceFileUnionPermissionCollection.javaEnclosingMethod234

5java/security/Permission;org/wildfly/security/permission/UnionPermissionCollection$1java/lang/Objectjava/util/E
numeration9org/wildfly/security/permission/UnionPermissionCollectionelements()Ljava/util/Enumeration;()V

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storedInfoLjava/lang/ClassValue;
SignatureSLjava/lang/ClassValue<Lorg/wildfly/security/permission/PermissionActions$Info<*>;>;<init>()VCodeL

ineNumberTableLocalVariableTablethis3Lorg/wildfly/security/permission/PermissionActions;parseActionStringTo
Set8(Ljava/lang/Class;Ljava/lang/String;)Ljava/util/EnumSet;

actionTypeLjava/lang/Class;actionStringLjava/lang/String;matchActionBLorg/wildfly/security/permission/Permissi
onActions$SetMatchAction;LocalVariableTypeTableLjava/lang/Class<TE;>;GLorg/wildfly/security/permission/Per
missionActions$SetMatchAction<TE;>;

Exceptions[<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;Ljava/lang/String;)Ljava/util/EnumSet<TE;>;pars
eActionStringToInt&(Ljava/lang/Class;Ljava/lang/String;)IBLorg/wildfly/security/permission/PermissionActions$I
ntMatchAction;GLorg/wildfly/security/permission/PermissionActions$IntMatchAction<TE;>;D<E:Ljava/lang/Enu
m<TE;>;>(Ljava/lang/Class<TE;>;Ljava/lang/String;)IparseActionStringToLong&(Ljava/lang/Class;Ljava/lang/Stri
ng;)JCLorg/wildfly/security/permission/PermissionActions$LongMatchAction;HLorg/wildfly/security/permission/P
ermissionActions$LongMatchAction<TE;>;D<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;Ljava/lang/Stri
ng;)JdoParsee(Ljava/lang/Class;Ljava/lang/String;Lorg/wildfly/security/permission/PermissionActions$MatchActio
n;)VactionLjava/lang/Enum;startIcC?Lorg/wildfly/security/permission/PermissionActions$MatchAction;info8Lorg/
wildfly/security/permission/PermissionActions$Info;rootNode<Lorg/wildfly/security/permission/PermissionActions
$TrieNode;lengthiTE;DLorg/wildfly/security/permission/PermissionActions$MatchAction<TE;>;=Lorg/wildfly/sec
urity/permission/PermissionActions$Info<TE;>;ALorg/wildfly/security/permission/PermissionActions$TrieNode<T
E;>;

StackMapTable<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;Ljava/lang/String;Lorg/wildfly/security/permi
ssion/PermissionActions$MatchAction<TE;>;)VgetCanonicalActionString'(Ljava/util/EnumSet;)Ljava/lang/String;s
etLjava/util/EnumSet;bLjava/lang/StringBuilder;Ljava/util/EnumSet<TE;>;E<E:Ljava/lang/Enum<TE;>;>(Ljava/uti
l/EnumSet<TE;>;)Ljava/lang/String;/(Ljava/util/EnumSet;Ljava/lang/StringBuilder;)VeiteratorLjava/util/Iterator;Lj
ava/util/Iterator<TE;>;M<E:Ljava/lang/Enum<TE;>;>(Ljava/util/EnumSet<TE;>;Ljava/lang/StringBuilder;)V&(Lja
va/lang/Class;I)Ljava/lang/String;typeD<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;I)Ljava/lang/String;.(
Ljava/lang/Class;ILjava/lang/StringBuilder;)V

constants[Ljava/lang/Enum;bit[TE;L<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;ILjava/lang/StringBuilde
r;)V&(Ljava/lang/Class;J)Ljava/lang/String;JD<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;J)Ljava/lang/S
tring;.(Ljava/lang/Class;JLjava/lang/StringBuilder;)VL<E:Ljava/lang/Enum<TE;>;>(Ljava/lang/Class<TE;>;JLjava
/lang/StringBuilder;)V

access$000()Ljava/lang/ClassValue;<clinit>

SourceFilePermissionActions.java

DeprecatedRuntimeVisibleAnnotationsLjava/lang/Deprecated;BCFG@org/wildfly/security/permission/PermissionA
ctions$SetMatchActionFef@org/wildfly/security/permission/PermissionActions$IntMatchActionAorg/wildfly/secur
ity/permission/PermissionActions$LongMatchAction6org/wildfly/security/permission/PermissionActions$Infoqrjav
a/lang/Enumjava/lang/StringBuilder

3org/wildfly/security/permission/PermissionActions$11org/wildfly/security/permission/PermissionActionsjava/lang
/Object=org/wildfly/security/permission/PermissionActions$MatchAction:org/wildfly/security/permission/Permissi
onActions$TrieNode"java/lang/IllegalArgumentExceptionjava/lang/Classjava/lang/Stringjava/util/Iteratororg/wildfl
y/common/AssertcheckNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;java/util/EnumSetn
oneOf&(Ljava/lang/Class;)Ljava/util/EnumSet;(Ljava/util/EnumSet;)VgetSet()Ljava/util/EnumSet;
getResult()I()Jjava/lang/ClassValueget%(Ljava/lang/Class;)Ljava/lang/Object;rootcharAt(I)Cjava/lang/Characteris
Whitespace(C)Z

matchedAll(Ljava/lang/Class;)V6org/wildfly/security/manager/_private/SecurityMessages
permission8Lorg/wildfly/security/manager/_private/SecurityMessages;unexpectedActionCharacter:(CILjava/lang/St
ring;)Ljava/lang/IllegalArgumentException;((Ljava/lang/String;II)Ljava/lang/Object; substring(II)Ljava/lang/String;
invalidActionK(Ljava/lang/String;ILjava/lang/String;)Ljava/lang/IllegalArgumentException;matched(Ljava/lang/En
um;)VisEmpty()ZtoString()Ljava/lang/String;()Ljava/util/Iterator;hasNextnext()Ljava/lang/Object;append-

(Ljava/lang/String;)Ljava/lang/StringBuilder;(C)Ljava/lang/StringBuilder;[Ljava/lang/Object;java/lang/Integerlowes
tOneBit(I)InumberOfTrailingZerosjava/lang/Long(J)J(J)I178BCDE

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IJ !OP!QRS]U!OVS^XYD_ `aH!*W+WYM*+, ,IJ !OP!QRSbU!OVScXYDd

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[\]^$_-`6a@bGcSfJ*$/hTTCU $/tTCx ~%D H !Y"M*,+,$IqrstJ PjUVxD H(f*,--N.6-/2:,()W~<+.6-
/2:,,*()W~<I2(29=CL[eJ>fPfjfMGj(>hU fVM(>tx3-~+D H !Y"N*-0-$I J PUVx D H3q *,--:1722:-()W3@ .1722:-
,*()W3@I2",6?EKUdpJ>qPqqU"O,EhU qVU,Etx7-~0DHI,GH#5Y6Il::797;7<=7>7?@7A5

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<init>(Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis<Lorg/wildfly/security/permission/Abstra
ctNameOnlyPermission;nameLjava/lang/String;LocalVariableTypeTableDLorg/wildfly/security/permission/Abstrac
tNameOnlyPermission<TThis;>;newPermissionCollection@()Lorg/wildfly/security/permission/AbstractPermission
Collection;&()Ljava/security/PermissionCollection;
Signature<This:Lorg/wildfly/security/permission/AbstractNameOnlyPermission<TThis;>;>Lorg/wildfly/security/pe
rmission/AbstractNamedPermission<TThis;>;
SourceFileAbstractNameOnlyPermission.java:org/wildfly/security/permission/ByNamePermissionCollection:org/wi
ldfly/security/permission/AbstractNameOnlyPermission7org/wildfly/security/permission/AbstractNamedPermission
7(Lorg/wildfly/security/permission/AbstractPermission;)V! P*+

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ConstantValuep1I<init>(I)VCodeLineNumberTableLocalVariableTablethis=Lorg/wildfly/security/permission/ElytronPermissionCollection;add(Ljava/security/Permission;)V

permissionLjava/security/Permission;implies(Ljava/security/Permission;)Zelements()Ljava/util/Enumeration;

Signature5()Ljava/util/Enumeration<Ljava/security/Permission;>;readResolve()Ljava/lang/Object;test

collection>Lorg/wildfly/security/permission/AbstractPermissionCollection;mapping)Lorg/wildfly/security/util/StringMapping;bitsLocalVariableTypeTable^Lorg/wildfly/security/util/StringMapping<Lorg/wildfly/security/permission/ElytronPermission;>;

StackMapTableST

SourceFile ElytronPermissionCollection.java

DeprecatedRuntimeVisibleAnnotationsLjava/lang/Deprecated;UVWX1org/wildfly/security/permission/ElytronPermission*YZ[01\]^_^T`ajava/security/PermissionS!"bcdU;org/wildfly/security/permission/ElytronPermissionCollection"java/security/PermissionCollectionjava/io/Serializable<org/wildfly/security/permission/AbstractPermissionCollection'org/wildfly/security/util/StringMapping()Vorg/wildfly/common/Assertunsupported+()Ljava/lang/UnsupportedOperationException;(Ljava/lang/String;)VnewPermissionCollection@()Lorg/wildfly/security/permission/AbstractPermissionCollection;java/lang/IntegerlowestOneBit(I)InumberOfTrailingZerosgetItemById(I)Ljava/lang/Object;isReadOnly()ZsetReadOnly0F

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CDEFbitsIthis$0@Lorg/wildfly/security/permission/IntNameSetPermissionCollection;<init>D(Lorg/wildfly/security/permission/IntNameSetPermissionCollection;I)VCodeLineNumberTableLocalVariableTablethisIterInnerClassesELorg/wildfly/security/permission/IntNameSetPermissionCollection$Iter;hasMoreElements()Z

StackMapTablenextElement()Ljava/security/Permission;bithasNextnext()Ljava/lang/Object;

Signature]Ljava/lang/Object;Lorg/wildfly/security/util/EnumerationIterator<Ljava/security/Permission;>;

SourceFile#IntNameSetPermissionCollection.javaG

java/util/NoSuchElementExceptionHIJKLMNOPQR7org/wildfly/security/permission/AbstractNamedPermission*STUJVJWX#$&'*'Corg/wildfly/security/permission/IntNameSetPermissionCollection$Iterjava/lang/Object-org/wildfly/security/util/EnumerationIterator()Vjava/lang/IntegerbitCount(I)I>org/wildfly/security/permission/IntNa

meSetPermissionCollectiongetNameEnumeration/()Lorg/wildfly/security/util/StringEnumeration;+org/wildfly/security/util/StringEnumerationsize()IgetSourcePermission6()Lorg/wildfly/security/permission/AbstractPermission;withNameM(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractNamedPermission;lowestOneBitnumberOfTrailingZeros

access$000](Lorg/wildfly/security/permission/IntNameSetPermissionCollection;I)Ljava/security/Permission;
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ConstantValueo_,Gpc1$Ljava/security/PermissionCollection;pc2<init>K(Ljava/security/PermissionCollection;Ljava/security/PermissionCollection;)VCodeLineNumberTableLocalVariableTablethisBLorg/wildfly/security/permission/IntersectionPermissionCollection;add(Ljava/security/Permission;)V
permissionLjava/security/Permission;implies(Ljava/security/Permission;)Z
StackMapTableelements()Ljava/util/Enumeration; Signature5()Ljava/util/Enumeration<Ljava/security/Permission;>;
SourceFile%IntersectionPermissionCollection.java565789:;
<=>@org/wildfly/security/permission/IntersectionPermissionCollection"java/security/PermissionCollection2org/wildfly/security/permission/PermissionVerifier()VsetReadOnly-
org/wildfly/security/_private/ElytronMessageslog/Lorg/wildfly/security/_private/ElytronMessages;readOnlyPermissionCollection()Ljava/lang/SecurityException;org/wildfly/common/Assertunsupported+()Ljava/lang/UnsupportedOperationException;0

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ConstantValue]k/pc1$Ljava/security/PermissionCollection;pc2<init>K(Ljava/security/PermissionCollection;Ljava/security/PermissionCollection;)VCodeLineNumberTableLocalVariableTablethis;Lorg/wildfly/security/permission/UnionPermissionCollection;add(Ljava/security/Permission;)V
permissionLjava/security/Permission;implies(Ljava/security/Permission;)Z
StackMapTableelements()Ljava/util/Enumeration;e1Ljava/util/Enumeration;e2LocalVariableTypeTable3Ljava/util/Enumeration<Ljava/security/Permission;>; Signature5()Ljava/util/Enumeration<Ljava/security/Permission;>;
readObject(Ljava/io/ObjectInputStream;)VoisLjava/io/ObjectInputStream;
ExceptionsLM
SourceFileUnionPermissionCollection.javaNONPQRST&')*;org/wildfly/security/permission/UnionPermissionCollection$1UVWNXY9org/wildfly/security/permission/UnionPermissionCollection"java/security/PermissionCollection

2org/wildfly/security/permission/PermissionVerifierjava/io/IOException

java/lang/ClassNotFoundException()VsetReadOnly-

org/wildfly/security/_private/ElytronMessageslog/Lorg/wildfly/security/_private/ElytronMessages;readOnlyPermiss

ionCollection()Ljava/lang/SecurityException;l(Lorg/wildfly/security/permission/UnionPermissionCollection;Ljava/

util/Enumeration;Ljava/util/Enumeration;)Vjava/io/ObjectInputStreamdefaultReadObjectinvalidObjectNull4(Ljava/l

ang/String;)Ljava/io/InvalidObjectException;0a**+*,*#$ %&' !"#= * ! $%&'*+*+. !$%(@)*}*L*M Y*+,

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matchedAll(Ljava/lang/Class;)V(Ljava/lang/Class<TE;>;)V+<E:Ljava/lang/Enum<TE;>;>Ljava/lang/Object;

SourceFilePermissionActions.java=org/wildfly/security/permission/PermissionActions$MatchActionMatchActionIn

nerClassesjava/lang/Object1org/wildfly/security/permission/PermissionActions

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wxNONE4Lorg/wildfly/security/permission/PermissionVerifier;ALLimplies(Ljava/security/Permission;)Zandj(Lorg

/wildfly/security/permission/PermissionVerifier;)Lorg/wildfly/security/permission/PermissionVerifier;CodeLineNu

mberTableLocalVariableTablethisotherorxornot6()Lorg/wildfly/security/permission/PermissionVerifier;unlesscheck

Permission(Ljava/security/Permission;)V

permissionLjava/security/Permission;

StackMapTable

ExceptionsyfromP(Ljava/security/Permission;)Lorg/wildfly/security/permission/PermissionVerifier;dZ(Ljava/securi

ty/PermissionCollection;)Lorg/wildfly/security/permission/PermissionVerifier;permissionCollection$Ljava/security/

PermissionCollection;V(Ljava/security/ProtectionDomain;)Lorg/wildfly/security/permission/PermissionVerifier;pro

tectionDomain

Ljava/security/ProtectionDomain;l(Ljava/security/Policy;Ljava/security/ProtectionDomain;)Lorg/wildfly/security/pe

rmission/PermissionVerifier;policyLjava/security/Policy;toPermissionCollection&()Ljava/security/PermissionColle

ction;lambda$static$7lambda$static$6

lambda$from$5S(Ljava/security/Policy;Ljava/security/ProtectionDomain;Ljava/security/Permission;)Zlambda$unle

ss$4Q(Lorg/wildfly/security/permission/PermissionVerifier;Ljava/security/Permission;)Zlambdanot3lambda$xor

$2lambda$or$1lambda$and$0<clinit>()V

SourceFilePermissionVerifier.javaRuntimeVisibleAnnotationsLjava/lang/FunctionalInterface;z{|BootstrapMethods}

"~!!$!"2org/wildfly/security/permission/PermissionVerifier!7!9!<!?"java/security/PermissionCollectionForg/wildfly

/security/permission/PermissionVerifierPermissionCollection!!-

java/lang/Objectjava/lang/SecurityExceptionorg/wildfly/common/AssertcheckNotNullParam8(Ljava/lang/String;Lja

va/lang/Object;)Ljava/lang/Object;

(Lorg/wildfly/security/permission/PermissionVerifier;Lorg/wildfly/security/permission/PermissionVerifier;)Lorg/wi

ldfly/security/permission/PermissionVerifier;-

org/wildfly/security/_private/ElytronMessageslog/Lorg/wildfly/security/_private/ElytronMessages;permissionCheck

Failedm(Ljava/security/Permission;Lorg/wildfly/security/permission/PermissionVerifier;)Ljava/lang/SecurityExcept

ion;getClass()Ljava/lang/Class;

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`<init>7(Lorg/wildfly/security/permission/PermissionVerifier;)Vjava/security/Policy=(Ljava/security/ProtectionDomain;Ljava/security/Permission;)ZMILIKIJ"HIFGE"D""java/lang/invoke/LambdaMetafactorymetafactoryLookupInnerClasses(Ljava/lang/invoke/MethodHandles$Lookup;Ljava/lang/String;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodType;Ljava/lang/invoke/MethodHandle;Ljava/lang/invoke/MethodType;)Ljava/lang/invoke/CallSite;java/security/Permissionjava/security/ProtectionDomain%java/lang/invoke/MethodHandles$Lookupjava/lang/invoke/MethodHandles !"#$%G+W*+&

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+, &?' ()123@MI%c*, +, &4' ()123@NO%-&

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^_`NO_PERMS>[Lorg/wildfly/security/permission/AbstractActionSetPermission;

SignatureA[Lorg/wildfly/security/permission/AbstractActionSetPermission<*>;permissionsRef-Ljava/util/concurrent/atomic/AtomicReference;pLjava/util/concurrent/atomic/AtomicReference<[Lorg/wildfly/security/permission/AbstractActionSetPermission<*>;>;<init>@(Lorg/wildfly/security/permission/AbstractActionSetPermission;)VCodeLineNumberTableLocalVariableTablethisFLorg/wildfly/security/permission/SimpleActionBitsPermissionCollection;sourcePermission=Lorg/wildfly/security/permission/AbstractActionSetPermission;LocalVariableTypeTable@Lorg/wildfly/security/permission/AbstractActionSetPermission<*>;C(Lorg/wildfly/security/permission/AbstractActionSetPermission<*>;)Vsize()IdoAdd7(Lorg/wildfly/security/permission/AbstractPermission;)V

permission4Lorg/wildfly/security/permission/AbstractPermission;7Lorg/wildfly/security/permission/AbstractPermis

sion<*>;

StackMapTable:(Lorg/wildfly/security/permission/AbstractPermission<*>;)VtestmergediIoldValreadValnewValcount_QLimplies(Ljava/security/Permission;)ZLjava/security/Permission;iterator()Ljava/util/Iterator;2()Ljava/util/Iterator<Ljava/security/Permission;>;elements()Ljava/util/Enumeration;5()Ljava/util/Enumeration<Ljava/security/Permission;>;<clinit>()V

SourceFile)SimpleActionBitsPermissionCollection.java-

+java/util/concurrent/atomic/AtomicReferenceabc;org/wildfly/security/permission/AbstractActionSetPermission,defgh>?i?j+klmno'org/wildfly/security/util/ArrayIterator[Ljava/lang/Object;pDorg/wildfly/security/permission/SimpleActionBitsPermissionCollection<org/wildfly/security/permission/AbstractPermissionCollection(Ljava/lang/Object;)Vget()Ljava/lang/Object;-

org/wildfly/security/_private/ElytronMessageslog(Lorg/wildfly/security/_private/ElytronMessages;invalidPermissionTypeQ(Ljava/lang/Class;Ljava/security/Permission;)Ljava/lang/IllegalArgumentException;nameEquals

getActionBitswithActionBits@(I)Lorg/wildfly/security/permission/AbstractActionSetPermission;compareAndSet'(Ljava/lang/Object;Ljava/lang/Object;)Zjava/security/Permission([Ljava/lang/Object;)V1

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<$;<=)>? 0*M,>6,2:+!jk&l(j.o" 3@0#$0.@1AB <Y*!s"#$CDE <Y*!w"#$FGH !%IJ

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<=>?addedZ<init>7(Lorg/wildfly/security/permission/AbstractPermission;)VCodeLineNumberTableLocalVariableTablethis=Lorg/wildfly/security/permission/BooleanPermissionCollection;sourcePermission4Lorg/wildfly/security/permission/AbstractPermission;LocalVariableTypeTable7Lorg/wildfly/security/permission/AbstractPermission<*>;Signature:(Lorg/wildfly/security/permission/AbstractPermission<*>;)Vsize()I

StackMapTableiterator()Ljava/util/Iterator;@2()Ljava/util/Iterator<Ljava/security/Permission;>;elements()Ljava/util/Enumeration;A5()Ljava/util/Enumeration<Ljava/security/Permission;>;getSingletonCollection()Ljava/util/Set;-()Ljava/util/Set<Ljava/security/Permission;>;doAdd

permissionimplies(Ljava/security/Permission;)ZLjava/security/Permission;

SourceFile BooleanPermissionCollection.java

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EFG$HIJKLMN;org/wildfly/security/permission/BooleanPermissionCollection<org/wildfly/security/permission/Ab

stractPermissionCollectionjava/util/Iteratorjava/util/Enumeration

java/util/Setjava/util/Collections

emptyIteratorenumeration/(Ljava/util/Collection;)Ljava/util/Enumeration;emptyEnumerationgetSourcePermission6(

)Lorg/wildfly/security/permission/AbstractPermission;

singleton#(Ljava/lang/Object;)Ljava/util/Set;java/lang/ObjectgetClass()Ljava/lang/Class;1B

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Lorg/wildfly/security/util/StringEnumeration;<init>B(Ljava/lang/String;Lorg/wildfly/security/util/StringEnumeratio

n;)VCodeLineNumberTableLocalVariableTablethis?Lorg/wildfly/security/permission/AbstractNameSetOnlyPermis

sion;nameLjava/lang/String;LocalVariableTypeTableGLorg/wildfly/security/permission/AbstractNameSetOnlyPer

mission<TThis;>;

StackMapTable<=getNameEnumeration/()Lorg/wildfly/security/util/StringEnumeration;newPermissionCollection@

()Lorg/wildfly/security/permission/AbstractPermissionCollection;

nameEquals(Ljava/lang/String;)ZimpliesNamenameHashCode()I&()Ljava/security/PermissionCollection;

Signature<This:Lorg/wildfly/security/permission/AbstractNameSetOnlyPermission<TThis;>;>Lorg/wildfly/security

/permission/AbstractNameOnlyPermission<TThis;>;

SourceFile"AbstractNameSetOnlyPermission.java*<>?=@ABCDE"#$#FGHI

!=org/wildfly/security/permission/AbstractNameSetOnlyPermission:org/wildfly/security/permission/AbstractName

OnlyPermissionjava/lang/String+org/wildfly/security/util/StringEnumerationequals(Ljava/lang/Object;)Z

canonicalName&(Ljava/lang/String;)Ljava/lang/String;(Ljava/lang/String;)V;org/wildfly/security/permission/Name

SetPermissionCollectionnewInstance(Lorg/wildfly/security/permission/AbstractPermission;Lorg/wildfly/security/uti

l/StringEnumeration;)Lorg/wildfly/security/permission/AbstractPermissionCollection;getName()Ljava/lang/String;i

ndexOf(Ljava/lang/String;)I!

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rstIterInnerClassesbitSet+Ljava/util/concurrent/atomic/AtomicInteger;<init>d(Lorg/wildfly/security/permission/AbstractPermission;Lorg/wildfly/security/util/StringEnumeration;)VCodeLineNumberTableLocalVariableTablethis@Lorg/wildfly/security/permission/IntNameSetPermissionCollection;sourcePermission4Lorg/wildfly/security/permission/AbstractPermission;nameEnumeration-Lorg/wildfly/security/util/StringEnumeration;LocalVariableTypeTable7Lorg/wildfly/security/permission/AbstractPermission<*>;

Signatureg(Lorg/wildfly/security/permission/AbstractPermission<*>;Lorg/wildfly/security/util/StringEnumeration;)V

permissionFor(I)Ljava/security/Permission;idIdoAdd7(Lorg/wildfly/security/permission/AbstractPermission;)VpermissionsetBitsoldVal

StackMapTableX:(Lorg/wildfly/security/permission/AbstractPermission<*>;)Vimplies(Ljava/security/Permission;)ZLjava/security/Permission;testBitsJsize()Iiterator1()Lorg/wildfly/security/util/EnumerationIterator;M()Lorg/wildfly/security/util/EnumerationIterator<Ljava/security/Permission;>;elementsgetBitsForName(Ljava/security/Permission;)IbitsnameLjava/lang/String;uvsw()Ljava/util/Enumeration;()Ljava/util/Iterator;

access$000](Lorg/wildfly/security/permission/IntNameSetPermissionCollection;I)Ljava/security/Permission;x0x1SourceFile#IntNameSetPermissionCollection.java./

)java/util/concurrent/atomic/AtomicIntegerxyz7org/wildfly/security/permission/AbstractNamedPermission{|v}~EF@?@Corg/wildfly/security/permission/IntNameSetPermissionCollection$IterABw*uDB>org/wildfly/security/permission/IntNameSetPermissionCollection;org/wildfly/security/permission/NameSetPermissionCollectionjava/lang/String+org/wildfly/security/util/StringEnumerationjava/security/Permission()VgetSourcePermission6()Lorg/wildfly/security/permission/AbstractPermission;getNameEnumeration/()Lorg/wildfly/security/util/StringEnumeration;nameOf(I)Ljava/lang/String;withNameM(Ljava/lang/String;)Lorg/wildfly/security/permission/AbstractNamedPermission;getcompareAndSet(II)Zjava/lang/ObjectgetClass()Ljava/lang/Class;java/lang/IntegerbitCount(I)ID(Lorg/wildfly/security/permission/IntNameSetPermissionCollection;I)VgetName()Ljava/lang/String;equals(Ljava/lang/Object;)ZindexOf(Ljava/lang/String;)I0 !j*+,*Y"!"# $%&'()*&+,-./!G**

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=>#$%?17@AB!:Y**"B#$%,CDB!/*"F#$%,CEF!,+N*:-xd=-x="KLMO!Q*S#>G1,$%,4<*G1'HI!()7

!JKLMJKADN!/*"#$%AAO!/*"#$%PQ!:*"#R%S1TU

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ConstantValueG

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onVerifier;)VCodeLineNumberTableLocalVariableTablethisHLorg/wildfly/security/permission/PermissionVerifier
PermissionCollection;add(Ljava/security/Permission;)V

permissionLjava/security/Permission;implies(Ljava/security/Permission;)Zelements()Ljava/util/Enumeration;

Signature5()Ljava/util/Enumeration<Ljava/security/Permission;>;

SourceFile+PermissionVerifierPermissionCollection.java01023456789:Forg/wildfly/security/permission/Permission
VerifierPermissionCollection"java/security/PermissionCollection()VsetReadOnly-

org/wildfly/security/_private/ElytronMessageslog/Lorg/wildfly/security/_private/ElytronMessages;readOnlyPermiss
ionCollection()Ljava/lang/SecurityException;2org/wildfly/security/permission/PermissionVerifierorg/wildfly/comm
on/Assertunsupported+()Ljava/lang/UnsupportedOperationException;0

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ConstantValueP#@7,<init>(Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis9Lorg/wildfly/secur
ity/permission/AbstractNamedPermission;nameLjava/lang/String;LocalVariableTypeTableALorg/wildfly/security/p
ermission/AbstractNamedPermission<TThis;>;withNameM(Ljava/lang/String;)Lorg/wildfly/security/permission/Ab
stractNamedPermission; Signature(Ljava/lang/String;)TThis;

nameEquals(Ljava/lang/String;)Z(Ljava/security/Permission;)Z

permissionLjava/security/Permission;

StackMapTable<(Lorg/wildfly/security/permission/AbstractNamedPermission;)ZTThis;

(TThis;)ZnameHashCode()IimpliesNameimpliesequalsotherhashCode7(Lorg/wildfly/security/permission/AbstractP
ermission;)Z<This:Lorg/wildfly/security/permission/AbstractNamedPermission<TThis;>;>Lorg/wildfly/security/per
mission/AbstractPermission<TThis;>;

SourceFileAbstractNamedPermission.javaOPQjava/lang/StringRS5TUVW7org/wildfly/security/permission/Abstrac
tNamedPermission(.()72*3.3)125.4.2org/wildfly/security/permission/AbstractPermissionorg/wildfly/common/Assert
checkNotNullParam8(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;getName()Ljava/lang/String;(Ljava/la
ng/Object;)Zjava/lang/ObjectgetClass()Ljava/lang/Class;!X*+

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+"#+/-@&05.m+*+ 6"#6/-@&072L*Gh*`"#A58E *+$ " #A48E *+$ " #&9:;

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&'()val$elementsLjava/util/Enumeration;<init>(Ljava/util/Enumeration;)VCodeLineNumberTableLocalVariableTab
lethisInnerClasses2Lorg/wildfly/security/permission/PermissionUtil$1;hasNext()Znext()Ljava/security/Permission;(
)Ljava/lang/Object; SignatureBLjava/lang/Object;Ljava/util/Iterator<Ljava/security/Permission;>;
SourceFilePermissionUtil.javaEnclosingMethod*+,

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./0java/security/Permission0org/wildfly/security/permission/PermissionUtil$1java/lang/Objectjava/util/Iterator.org/
wildfly/security/permission/PermissionUtillambda$iterable$0:(Ljava/security/PermissionCollection;)Ljava/util/Itera
tor;()Vjava/util/EnumerationhasMoreElementsnextElement0

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SignatureLjava/util/EnumSet<TE;>;<init>(Ljava/util/EnumSet;)VCodeLineNumberTableLocalVariableTablethisSet
MatchActionInnerClassesBLorg/wildfly/security/permission/PermissionActions$SetMatchAction;LocalVariableTyp
eTableGLorg/wildfly/security/permission/PermissionActions$SetMatchAction<TE;>;(Ljava/util/EnumSet<TE;>;)V
matched(Ljava/lang/Enum;)VitemLjava/lang/Enum;TE;(TE;)V

matchedAll(Ljava/lang/Class;)VtypeLjava/lang/Class;Ljava/lang/Class<TE;>;(Ljava/lang/Class<TE;>;)VgetSet()Lj
ava/util/EnumSet;()Ljava/util/EnumSet<TE;>;MatchActiono<E:Ljava/lang/Enum<TE;>;>Ljava/lang/Object;Lorg/w
ildfly/security/permission/PermissionActions$MatchAction<TE;>;

SourceFilePermissionActions.java4

56789:@org/wildfly/security/permission/PermissionActions$SetMatchActionjava/lang/Object=org/wildfly/security/
permission/PermissionActions$MatchAction()Vjava/util/EnumSetadd(Ljava/lang/Object;)ZallOf&(Ljava/lang/Class
;)Ljava/util/EnumSet;1org/wildfly/security/permission/PermissionActions

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YDjInnerClassesALL_PERMISSIONLjava/security/Permission;ALL_PERMISSIONS$Ljava/security/PermissionCollection;EMPTY_PERMISSION_COLLECTIONNO_PERMISSIONS[Ljava/security/Permission;<init>()VCodeLineNumberTableLocalVariableTablethis0Lorg/wildfly/security/permission/PermissionUtil;parseActions7(Ljava/lang/String;Ljava/util/function/ToIntFunction;)IstrLjava/lang/String;

actionsStringfunction"Ljava/util/function/ToIntFunction;actionsIposidxLocalVariableTypeTable6Ljava/util/function/ToIntFunction<Ljava/lang/String;>;

StackMapTable

Exceptionsk

SignatureK(Ljava/lang/String;Ljava/util/function/ToIntFunction<Ljava/lang/String;>;)I8(Ljava/lang/String;Ljava/util/function/ToLongFunction;)J#Ljava/util/function/ToLongFunction;J7Ljava/util/function/ToLongFunction<Ljava/lang/String;>;L(Ljava/lang/String;Ljava/util/function/ToLongFunction<Ljava/lang/String;>;)JtoActionsString5(ILjava/util/function/IntFunction;)Ljava/lang/String;

actionBitsmappingFunction

Ljava/util/function/IntFunction;sbLjava/lang/StringBuilder;lb4Ljava/util/function/IntFunction<Ljava/lang/String;>;I(ILjava/util/function/IntFunction<Ljava/lang/String;>;)Ljava/lang/String;6(JLjava/util/function/LongFunction;)Ljava/lang/String;!Ljava/util/function/LongFunction;5Ljava/util/function/LongFunction<Ljava/lang/String;>;J(JLjava/util/function/LongFunction<Ljava/lang/String;>;)Ljava/lang/String;iterable:(Ljava/security/PermissionCollection;)Ljava/lang/Iterable;pcV(Ljava/security/PermissionCollection;)Ljava/lang/Iterable<Ljava/security/Permission;>;

forEachInD(Ljava/security/PermissionCollection;Ljava/util/function/Consumer;)V

collectionconsumerLjava/util/function/Consumer;elementsLjava/util/Enumeration;9Ljava/util/function/Consumer<Ljava/security/Permission;>;3Ljava/util/Enumeration<Ljava/security/Permission;>;l`(Ljava/security/PermissionCollection;Ljava/util/function/Consumer<Ljava/security/Permission;>;)Vi(Ljava/security/PermissionCollection;Ljava/util/function/BiConsumer;Ljava/lang/Object;)Ljava/lang/Object;Ljava/util/function/BiConsumer;

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      Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

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or for a fee, you must give the recipients all the rights that we gave
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 Our method of protecting your rights has two steps: (1) copyright
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 Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that companies distributing free
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 Most GNU software, including some libraries, is covered by the ordinary
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license, the GNU Library General Public License, applies to certain
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 The reason we have a separate public license for some libraries is that
they blur the distinction we usually make between modifying or adding to a
program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is

analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

 Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

 However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

 The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

 Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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 A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

 The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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  b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

  c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

  d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
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on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
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a storage or distribution medium does not bring the other work under
the scope of this License.

 3. You may opt to apply the terms of the ordinary GNU General Public
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that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

 Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

 This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

 4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany

it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

 If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

 5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

 However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

 When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

 If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

 Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

 6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the

Library side-by-side in a single library together with other library
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library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

    a) Accompany the combined library with a copy of the same work
    based on the Library, uncombined with any other library
    facilities. This must be distributed under the terms of the
    Sections above.

    b) Give prominent notice with the combined library of the fact
    that part of it is a work based on the Library, and explaining
    where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

    <one line to give the library's name and a brief idea of what it does.>
    Copyright (C) <year> <name of author>

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  <ol class="breadcrumb">
    <li><a href="#/realms/{{realm.realm}}/clients">{{:: 'clients' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}">{{client.clientId}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server">{{:: 'authz-authorization' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server/permission">{{:: 'authz-permissions' | translate}}</a></li>
    <li data-ng-show="create">{{:: 'authz-add-scope-permission' | translate}}</li>
    <li data-ng-hide="create">{{originalPolicy.name}}</li>
  </ol>

  <h1 data-ng-show="create">{{:: 'authz-add-scope-permission' | translate}}</h1>
  <h1 data-ng-hide="create">{{originalPolicy.name|capitalize}}<i class="pficon pficon-delete clickable" data-ng-click="remove()"></i></h1>

  <form class="form-horizontal" name="clientForm" novalidate>
    <fieldset class="border-top">
      <div class="form-group">
        <label class="col-md-2 control-label" for="name">{{:: 'name' | translate}} <span class="required">*</span></label>
        <div class="col-sm-6">
```

```
            <input class="form-control" type="text" id="name" name="name" data-ng-model="policy.name"
autofocus required data-ng-blur="checkNewNameAvailability()">
        </div>
        <kc-tooltip>{{:: 'authz-permission-name.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group">
        <label class="col-md-2 control-label" for="description">{{:: 'description' | translate}} </label>
        <div class="col-sm-6">
            <input class="form-control" type="text" id="description" name="description" data-ng-
model="policy.description">
        </div>
        <kc-tooltip>{{:: 'authz-permission-description.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix">
        <label class="col-md-2 control-label" for="resources">{{:: 'authz-resource' | translate}}</label>


        <div class="col-md-6">
            <input type="hidden" ui-select2="resourcesUiSelect" data-ng-change="selectResource()"
id="resources" data-ng-model="selectedResource" data-placeholder="{{:: 'authz-any-resource' | translate}}..." />
        </div>
        <kc-tooltip>{{:: 'authz-permission-scope-resource.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix" data-ng-show="selectedResource">
        <label class="col-md-2 control-label" for="resourceScopes">{{:: 'authz-scopes' | translate}} <span
class="required">*</span></label>
        <div class="col-md-6">
            <select ui-select2 id="resourceScopes"
                data-ng-model="selectedScopes"
                data-placeholder="{{:: 'authz-any-scope' | translate}}..." multiple
                data-ng-required="selectedResource != null">
              <option ng-repeat="scope in resourceScopes" value="{{scope.id}}">{{scope.name}}</option>
            </select>
        </div>
        <kc-tooltip>{{:: 'authz-permission-scope-scope.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix" data-ng-show="!selectedResource">
        <label class="col-md-2 control-label" for="scopes">{{:: 'authz-scopes' | translate}} <span
class="required">*</span></label>


        <div class="col-md-6">
            <input type="hidden" ui-select2="scopesUiSelect" id="scopes" data-ng-model="selectedScopes" data-
placeholder="{{:: 'authz-any-scope' | translate}}..." multiple data-ng-required="selectedResource == null" />
        </div>
        <kc-tooltip>{{:: 'authz-permission-scope-scope.tooltip' | translate}}</kc-tooltip>
    </div>
    <div class="form-group clearfix">
        <label class="col-md-2 control-label" for="policies">{{:: 'authz-policy-apply-policy' | translate}} <span
class="required">*</span></label>
```

```html
<div class="col-sm-6">
  <table class="table table-striped table-bordered" style="margin-top: 0px" id="selected-policies">
    <thead>
    <tr>
      <th class="kc-table-actions" colspan="2">
        <div class="form-inline col-md-12" style="width: 107%">
          <div class="form-group" style="width: 100%">
            <div class="input-group" style="width: 100%">
              <input type="hidden" ui-select2="policiesUiSelect" id="policies" data-ng-change="selectPolicy(selectedPolicy);" data-ng-model="selectedPolicy" data-placeholder="{{:: 'authz-select-a-policy' | translate}}..."/>
            </div>
          </div>
        </div>
      </th>
      <th class="kc-table-actions">
        <div class="pull-right" style="width: 100%">
          <select id="create-policy" class="form-control" ng-model="policyType"
              ng-options="p.name for p in policyProviders track by p.type"
              data-ng-change="addPolicy(policyType);"
              data-ng-hide="historyBackOnSaveOrCancel">
            <option value="" disabled selected>{{:: 'authz-create-policy' | translate}}...</option>
          </select>
        </div>
      </th>
    </tr>
    <tr data-ng-hide="!selectedPolicies || selectedPolicies.length == 0">
      <th>{{:: 'name' | translate}}</th>
      <th>{{:: 'description' | translate}}</th>
      <th width="20%">{{:: 'actions' | translate}}</th>
    </tr>
    </thead>
    <tbody>
    <tr ng-repeat="policy in selectedPolicies">
      <td data-ng-hide="historyBackOnSaveOrCancel"><a href="" data-ng-click="detailPolicy(policy)">{{policy.name}}</a></td>
      <td data-ng-show="historyBackOnSaveOrCancel">{{policy.name}}</td>
      <td>{{policy.description}}</td>
      <td class="kc-action-cell" ng-click="removePolicy(selectedPolicies, policy);" style="vertical-align: middle">
        {{:: 'remove' | translate}}
      </td>
    </tr>
    <tr data-ng-show="!selectedPolicies || selectedPolicies.length == 0">
      <td class="text-muted" colspan="3">{{:: 'authz-no-policies-assigned' | translate}}</td>
    </tr>
    </tbody>
  </table>
```

```
          </div>
          <kc-tooltip>{{:: 'authz-policy-apply-policy.tooltip' | translate}}</kc-tooltip>
        </div>
        <div class="form-group clearfix">
          <label class="col-md-2 control-label" for="decisionStrategy">{{:: 'authz-policy-decision-strategy' |
translate}}</label>

          <div class="col-sm-2">
            <select class="form-control" id="decisionStrategy"
                 data-ng-model="policy.decisionStrategy"
                 ng-change="selectDecisionStrategy()">
              <option value="UNANIMOUS">{{:: 'authz-policy-decision-strategy-unanimous' |
translate}}</option>
              <option value="AFFIRMATIVE">{{:: 'authz-policy-decision-strategy-affirmative' |
translate}}</option>
              <option value="CONSENSUS">{{:: 'authz-policy-decision-strategy-consensus' | translate}}</option>
            </select>
          </div>

          <kc-tooltip>{{:: 'authz-policy-decision-strategy.tooltip' | translate}}</kc-tooltip>
        </div>
        <input type="hidden" data-ng-model="policy.type"/>
      </fieldset>
      <div class="form-group" data-ng-show="access.manageAuthorization">
        <div class="col-md-10 col-md-offset-2">
          <button kc-save data-ng-disabled="!changed">{{:: 'save' | translate}}</button>
          <button kc-reset data-ng-disabled="!changed">{{:: 'cancel' | translate}}</button>
        </div>
      </div>
    </form>
</div>

<kc-menu></kc-menu>
<div class="col-sm-9 col-md-10 col-sm-push-3 col-md-push-2">

  <ol class="breadcrumb">
    <li><a href="#/realms/{{realm.realm}}/clients">{{:: 'clients' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}">{{client.clientId}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server">{{:: 'authz-authorization' |
translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server/permission">{{:: 'authz-
permissions' | translate}}</a></li>
    <li data-ng-show="create">{{:: 'authz-add-resource-permission' | translate}}</li>
    <li data-ng-hide="create">{{originalPolicy.name}}</li>
  </ol>

  <h1 data-ng-show="create">{{:: 'authz-add-resource-permission' | translate}}</h1>
  <h1 data-ng-hide="create">{{originalPolicy.name|capitalize}}<i class="pficon pficon-delete clickable" data-ng-
```

```
click="remove()"></i></h1>

  <form class="form-horizontal" name="clientForm" novalidate>
    <fieldset class="border-top">
      <div class="form-group">
        <label class="col-md-2 control-label" for="name">{{:: 'name' | translate}} <span
class="required">*</span></label>
        <div class="col-sm-6">
          <input class="form-control" type="text" id="name" name="name" data-ng-model="policy.name"
autofocus required data-ng-blur="checkNewNameAvailability()">
        </div>
        <kc-tooltip>{{:: 'authz-permission-name.tooltip' | translate}}</kc-tooltip>
      </div>
      <div class="form-group">
        <label class="col-md-2 control-label" for="description">{{:: 'description' | translate}} </label>
        <div class="col-sm-6">
          <input class="form-control" type="text" id="description" name="description" data-ng-
model="policy.description">
        </div>
        <kc-tooltip>{{:: 'authz-permission-description.tooltip' | translate}}</kc-tooltip>
      </div>
      <div class="form-group">
        <label class="col-md-2 control-label" for="applyToResourceTypeFlag">{{:: 'authz-permission-resource-
apply-to-resource-type' | translate}}</label>
        <div class="col-md-6">
          <input ng-model="applyToResourceTypeFlag" id="applyToResourceTypeFlag" onoffswitch data-ng-
click="applyToResourceType()"/>
        </div>
        <kc-tooltip>{{:: 'authz-permission-resource-apply-to-resource-type.tooltip' | translate}}</kc-tooltip>
      </div>
      <div class="form-group clearfix" data-ng-hide="applyToResourceTypeFlag">
        <label class="col-md-2 control-label" for="resources">{{:: 'authz-resources' | translate}} <span
class="required">*</span></label>

        <div class="col-md-6">
          <input type="hidden" ui-select2="resourcesUiSelect" id="resources" data-ng-model="selectedResource"
data-placeholder="{{:: 'authz-select-resource' | translate}}..." data-ng-required="!applyToResourceTypeFlag"/>
        </div>
        <kc-tooltip>{{:: 'authz-permission-resource-resource.tooltip' | translate}}</kc-tooltip>
      </div>
      <div class="form-group clearfix" data-ng-show="applyToResourceTypeFlag">
        <label class="col-md-2 control-label" for="resourceType">{{:: 'authz-resource-type' | translate}} <span
class="required">*</span></label>

        <div class="col-md-6">
          <input class="form-control" type="text" id="resourceType" name="policy.resourceType" data-ng-
model="policy.resourceType" data-ng-required="applyToResourceTypeFlag">
        </div>
```

```
            <kc-tooltip>{{:: 'authz-permission-resource-type.tooltip' | translate}}</kc-tooltip>
        </div>
        <div class="form-group clearfix">
        <label class="col-md-2 control-label" for="policies">{{:: 'authz-policy-apply-policy' | translate}} <span
class="required">*</span></label>
            <div class="col-sm-6">
            <table class="table table-striped table-bordered" style="margin-top: 0px" id="selected-policies">
                <thead>
                <tr>
                    <th class="kc-table-actions" colspan="2">
                        <div class="form-inline col-md-12" style="width: 107%">
                            <div class="form-group" style="width: 100%">
                                <div class="input-group" style="width: 100%">
                                    <input type="hidden" ui-select2="policiesUiSelect" id="policies" data-ng-
change="selectPolicy(selectedPolicy);" data-ng-model="selectedPolicy" data-placeholder="{{:: 'authz-select-a-
policy' | translate}}..."/>
                                </div>
                            </div>
                        </div>
                    </th>
                    <th class="kc-table-actions">
                        <div class="pull-right" style="width: 100%">
                            <select id="create-policy" class="form-control" ng-model="policyType"
                                ng-options="p.name for p in policyProviders track by p.type"
                                data-ng-change="addPolicy(policyType);"
                                data-ng-hide="historyBackOnSaveOrCancel">
                            <option value="" disabled selected>{{:: 'authz-create-policy' | translate}}...</option>
                            </select>
                        </div>
                    </th>
                </tr>
                <tr data-ng-hide="!selectedPolicies || selectedPolicies.length == 0">
                    <th>{{:: 'name' | translate}}</th>
                    <th>{{:: 'description' | translate}}</th>
                    <th width="20%">{{:: 'actions' | translate}}</th>
                </tr>
                </thead>
                <tbody>
                <tr ng-repeat="policy in selectedPolicies">
                    <td data-ng-hide="historyBackOnSaveOrCancel"><a href="" data-ng-
click="detailPolicy(policy)">{{policy.name}}</a></td>
                    <td data-ng-show="historyBackOnSaveOrCancel">{{policy.name}}</td>
                    <td>{{policy.description}}</td>
                    <td class="kc-action-cell" ng-click="removePolicy(selectedPolicies, policy);" style="vertical-align:
middle">
                        {{:: 'remove' | translate}}
                    </td>
```

```
            </tr>
            <tr data-ng-show="!selectedPolicies || selectedPolicies.length == 0">
              <td class="text-muted" colspan="3">{{:: 'authz-no-policies-assigned' | translate}}</td>
            </tr>
            </tbody>
          </table>
        </div>
        <kc-tooltip>{{:: 'authz-policy-apply-policy.tooltip' | translate}}</kc-tooltip>
      </div>
      <div class="form-group clearfix">
        <label class="col-md-2 control-label" for="decisionStrategy">{{:: 'authz-policy-decision-strategy' |
translate}}</label>

          <div class="col-sm-2">
            <select class="form-control" id="decisionStrategy"
                 data-ng-model="policy.decisionStrategy"
                 ng-change="selectDecisionStrategy()">
              <option value="UNANIMOUS">{{:: 'authz-policy-decision-strategy-unanimous' |
translate}}</option>
              <option value="AFFIRMATIVE">{{:: 'authz-policy-decision-strategy-affirmative' |
translate}}</option>
              <option value="CONSENSUS">{{:: 'authz-policy-decision-strategy-consensus' | translate}}</option>
            </select>
          </div>

          <kc-tooltip>{{:: 'authz-policy-decision-strategy.tooltip' | translate}}</kc-tooltip>
        </div>
        <input type="hidden" data-ng-model="policy.type"/>
      </fieldset>

    <div class="form-group" data-ng-show="access.manageAuthorization">
      <div class="col-md-10 col-md-offset-2">
        <button kc-save data-ng-disabled="!changed">{{:: 'save' | translate}}</button>
        <button kc-reset data-ng-disabled="!changed">{{:: 'cancel' | translate}}</button>
      </div>
    </div>
  </form>
</div>

<kc-menu></kc-menu>
<div class="col-sm-9 col-md-10 col-sm-push-3 col-md-push-2">

  <ol class="breadcrumb">
    <li><a href="#/realms/{{realm.realm}}/clients">{{:: 'clients' | translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}">{{client.clientId}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server">{{:: 'authz-authorization' |
translate}}</a></li>
    <li><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-server/permission">{{:: 'authz-
```

permissions' | translate}}

  <table class="table table-striped table-bordered">
    <thead>
      <tr>
        <th class="kc-table-actions" colspan="5">
          <div class="form-inline">
            <div class="form-group">
              {{:: 'filter' | translate}}:
              <div class="input-group">
              <input type="text" placeholder="{{:: 'name' | translate}}" data-ng-model="query.name"
class="form-control search" onkeydown="if (event.keyCode == 13)
document.getElementById('policySearch').click()">
                <div class="input-group-addon">
                  <i class="fa fa-search" id="policySearch" type="submit" data-ng-click="firstPage()"></i>
                </div>
              </div>
              <div class="input-group">
              <input type="text" placeholder="{{:: 'authz-resource' | translate}}" data-ng-
model="query.resource" class="form-control search" onkeydown="if (event.keyCode == 13)
document.getElementById('policySearch').click()">
                <div class="input-group-addon">
                  <i class="fa fa-search" type="submit" data-ng-click="firstPage()"></i>
                </div>
              </div>
              <div class="input-group">
              <input type="text" placeholder="{{:: 'authz-scope' | translate}}" data-ng-model="query.scope"
class="form-control search" onkeydown="if (event.keyCode == 13)
document.getElementById('policySearch').click()">
                <div class="input-group-addon">
                  <i class="fa fa-search" type="submit" data-ng-click="firstPage()"></i>
                </div>
              </div>
              <div class="input-group">
              <select class="form-control search" data-ng-model="query.type"
                    ng-options="p.type as p.name group by p.group for p in policyProviders track by p.type"
data-ng-change="firstPage()">
                  <option value="" selected ng-click="query.type = "">{{:: 'authz-all-types' |
translate}}</option>
              </select>
              </div>
              <div class="input-group">
              <select class="form-control search" data-ng-model="detailsFilter" data-ng-
change="searchQuery();">

```
                    <option value="" selected>Hide Details</option>
                    <option value="true">Show Details</option>
                </select>
            </div>
            <div class="pull-right">
                <select class="form-control" ng-model="policyType"
                    ng-options="p.name for p in policyProviders track by p.type"
                    id="create-permission"
                    data-ng-change="addPolicy(policyType);">
                    <option value="" disabled selected>{{:: 'authz-create-permission' | translate}}...</option>
                </select>
            </div>
        </div>
    </th>
</tr>
<tr data-ng-hide="policies.length == 0">
    <th>{{:: 'name' | translate}}</th>
    <th>{{:: 'description' | translate}}</th>
    <th>{{:: 'type' | translate}}</th>
    <th colspan="3">{{:: 'actions' | translate}}</th>
</tr>
</thead>
<tfoot data-ng-show="policies && (policies.length >= query.max || query.first > 0)">
<tr>
    <td colspan="8">
        <div class="table-nav">
            <button data-ng-click="firstPage()" class="first" ng-disabled="query.first == 0">{{:: 'first-page' |
translate}}</button>
            <button data-ng-click="previousPage()" class="prev" ng-disabled="query.first == 0">{{:: 'previous-
page' | translate}}</button>
            <button data-ng-click="nextPage()" class="next" ng-disabled="policies.length < query.max">{{:: 'next-
page' | translate}}</button>
        </div>
    </td>
</tr>
</tfoot>
<tbody>
    <tr ng-repeat-start="policy in policies | filter: {name: search.name, type: search.type} | orderBy:'name'">
        <td><a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-
server/permission/{{policy.type}}/{{policy.id}}">{{policy.name}}</a></td>
        <td>{{policy.description}}</td>
        <td>{{policy.type}}</td>
        <td ng-if="!policy.details.loaded" class="kc-action-cell" data-ng-click="showDetails(policy);">
            {{:: 'authz-show-details' | translate}}
        </td>
        <td ng-if="policy.details.loaded" class="kc-action-cell" data-ng-click="showDetails(policy);">
            {{:: 'authz-hide-details' | translate}}
        </td>
```

```
        <td class="kc-action-cell" ng-click="delete(policy);">
          {{:: 'delete' | translate}}
        </td>
      </tr>
      <tr ng-if="policy.details && policy.details.loaded" ng-repeat-end="">
        <td colspan="5">
          <div id="details">
            <table class="table kc-authz-table-expanded table-striped">
              <thead>
              <tr>
                <th>Associated Policies</th>
              </tr>
              </thead>
              <tbody>
              <tr>
                <td>
                  <span data-ng-show="policy.associatedPolicies && !policy.associatedPolicies.length">{{::
'authz-no-permission-assigned' | translate}}</span>
                  <ul ng-repeat="dep in policy.associatedPolicies" data-ng-
show="policy.associatedPolicies.length > 0">
                    <li>
                      <a href="#/realms/{{realm.realm}}/clients/{{client.id}}/authz/resource-
server/policy/{{dep.type}}/{{dep.id}}">{{dep.name}}</a>
                    </li>
                  </ul>
                </td>
              </tr>
              </tbody>
            </table>
          </div>
        </td>
      </tr>
      <tr data-ng-show="(policies | filter:search).length == 0">
        <td class="text-muted" colspan="3" data-ng-show="search.name">{{:: 'no-results' | translate}}</td>
        <td class="text-muted" colspan="3" data-ng-hide="search.name">{{:: 'authz-no-permissions-available' |
translate}}</td>
      </tr>
    </tbody>
  </table>
</div>

<kc-menu></kc-menu>
```

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b) a copy of this Agreement must be included with each copy of the Program.

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#[Font Awesome v4.3.0](http://fontawesome.io)
###The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites,
created and maintained by [Dave Gandy](http://twitter.com/davegandy).
Stay up to date with the latest release and announcements on Twitter:
[@fontawesome](http://twitter.com/fontawesome).

Get started at http://fontawesome.io!

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##Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

##Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

##Author
- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

##Component
To include as a [component](http://github.com/component/component), just run

    $ component install FortAwesome/Font-Awesome

Or add

    "FortAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

    $ bundle install
    $ npm install

Build the project and documentation:

```
  $ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```
  $ bundle exec jekyll -w serve
```

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</head>
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<p>The following material has been provided for informational purposes only, and should not be relied upon or
construed as a legal opinion or legal advice.</p>
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<ul>
<li>
<a href="https://raw.githubusercontent.com/eligrey/FileSaver.js/1.3.2/LICENSE.md">MIT License</a>
</li>
</ul>
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<ul>
<li>
<a href="FileSaver.js,MIT License.txt">MIT License</a>
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<tr>
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<ul>
<li class="directory">themes/keycloak/common/resources/lib/components/font-awesome/fonts</li>
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<ul>
<li>
<a href="https://raw.githubusercontent.com/FortAwesome/Font-Awesome/v4.3.0/README.md">SIL Open Font
License 1.1</a>
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<li>
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<td>Glyphicons Halflings</td><td>
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<ul>
<li>
<a href="https://raw.githubusercontent.com/twbs/bootstrap/v3.3.1-130-gadd44ca/LICENSE">MIT License</a>
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<ul>
<li>
<a href="Glyphicons Halflings,MIT License.txt">MIT License</a>
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<ul>
<li>
<a href="https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt">MIT License</a>
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<a href="jQuery,MIT License.txt">MIT License</a>
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<li class="file">themes/keycloak/common/resources/lib/patternfly/fonts/OpenSans-Regular-webfont.woff</li>
<li class="file">themes/keycloak/common/resources/lib/patternfly/fonts/OpenSans-ExtraBold-webfont.ttf</li>
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webfont.woff</li>
<li class="file">themes/keycloak/common/resources/lib/patternfly/fonts/OpenSans-SemiboldItalic-webfont.ttf</li>
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webfont.svg
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</td><td>

Apache Software License 2.0

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<tr>
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<a href="https://raw.githubusercontent.com/select2/select2/3.4.1/LICENSE">Apache Software License 2.0</a>
</li>
<li>
<a href="https://raw.githubusercontent.com/select2/select2/3.4.1/LICENSE">GNU General Public License v2.0
only</a>
</li>
</ul>
</td><td>
<ul>
<li>
<a href="Select2,Apache Software License 2.0.txt">Apache Software License 2.0</a>
</li>
<li>
<a href="Select2,GNU General Public License v2.0 only.txt">GNU General Public License v2.0 only</a>
</li>
</ul>
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<li class="file">themes/keycloak/common/resources/lib/ui-ace/ui-ace.js</li>
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<ul>
<li>
<a href="https://raw.githubusercontent.com/angular-ui/ui-ace/src0.2.3/LICENSE">MIT License</a>
</li>
</ul>
</td><td>
<ul>
<li>
<a href="UI.Ace,MIT License.txt">MIT License</a>
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<ul>
<li>
<a href="https://raw.githubusercontent.com/angular-ui/ui-select2/v0.0.5/LICENSE">MIT License</a>
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<li>
<a href="ui-select2,MIT License.txt">MIT License</a>
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<tr>
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<ul>
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<a href="https://raw.githubusercontent.com/smcllns/css-social-
buttons/547237515694d05eaa38aeae3fb4d2eb4dee1ac9/README.md">MIT License</a>
</li>
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<a href="Zocial,MIT License.txt">MIT License</a>
</li>
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</table>
</body>
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  tab-interval: 0.5in;
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  margin-bottom: 0.5em;
  }
 p.list {
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  margin-top:  0.05em;
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```xml
<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
          xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

  <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
  <xsl:param name="productname"/>
  <xsl:param name="version"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />

  <xsl:template match="/">
    <html>
      <head>
        <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
        <link rel="stylesheet" type="text/css" href="licenses.css"/>
      </head>
      <body>
        <h2><xsl:value-of select="$productname"/><xsl:text> </xsl:text><xsl:value-of select="$version"/></h2>
        <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
        <table>
          <tr>
            <th>Package Group</th>
            <th>Package Artifact</th>
            <th>Package Version</th>
            <th>Remote Licenses</th>
            <th>Local Licenses</th>
          </tr>
          <xsl:for-each select="licenseSummary/dependencies/dependency">
          <xsl:sort select="concat(groupId, '.', artifactId)"/>
          <tr>
            <td><xsl:value-of select="groupId"/></td>
            <td><xsl:value-of select="artifactId"/></td>
            <td><xsl:value-of select="version"/></td>
```

```xml
<td>
  <ul>
    <xsl:for-each select="licenses/license">
      <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
    </xsl:for-each>
  </ul>
</td>
<td>
  <ul>
    <xsl:for-each select="licenses/license">
      <xsl:variable name="filename" select="concat(../../groupId, ',', ../../artifactId, ',', ../../version, ',', name, '.txt')" />
      <li><a href="{$filename}"><xsl:value-of select="name"/></a></li>
    </xsl:for-each>
  </ul>
</td>
</tr>
</xsl:for-each>
</table>
<table>
  <tr>
    <th>Description</th>
    <th>Locations</th>
    <th>Remote Licenses</th>
    <th>Local Licenses</th>
  </tr>
  <xsl:for-each select="licenseSummary/others/other">
    <xsl:sort select="description"/>
    <tr>
      <td><xsl:value-of select="description"/></td>
      <td>
        <ul>
          <xsl:for-each select="locations/*[self::file or self::directory]">
            <li class="{local-name()}"><xsl:value-of select="."/></li>
          </xsl:for-each>
          <xsl:for-each select="locations/archive">
            <li class="archive">
              <p><xsl:value-of select="file"/></p>
              <ul>
                <xsl:for-each select="innerpath">
                  <li><xsl:value-of select="."/></li>
                </xsl:for-each>
              </ul>
            </li>
          </xsl:for-each>
        </ul>
      </td>
      <td>
```

```
            <ul>
              <xsl:for-each select="licenses/license">
                <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
              </xsl:for-each>
            </ul>
          </td>
          <td>
            <ul>
              <xsl:for-each select="licenses/license">
                <xsl:variable name="filename" select="concat(../../description, ',', name, '.txt')" />
                <li><a href="{$filename}"><xsl:value-of select="name"/></a></li>
              </xsl:for-each>
            </ul>
          </td>
        </tr>
      </xsl:for-each>
    </table>
  </body>
</html>
</xsl:template>
</xsl:stylesheet>
```

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```xml
<?xml version="1.0" encoding="UTF-8"?><licenseSummary>
 <dependencies>
  <dependency>
   <groupId>com.google.zxing</groupId>
   <artifactId>core</artifactId>
   <version>3.2.1</version>
   <licenses>
    <license>
     <name>Apache Software License 2.0</name>
     <url>https://raw.githubusercontent.com/zxing/zxing/zxing-3.2.1/COPYING</url>
    </license>
   </licenses>
  </dependency>
  <dependency>
   <groupId>com.google.zxing</groupId>
   <artifactId>javase</artifactId>
   <version>3.2.1</version>
   <licenses>
    <license>
     <name>Apache Software License 2.0</name>
     <url>https://raw.githubusercontent.com/zxing/zxing/zxing-3.2.1/COPYING</url>
    </license>
   </licenses>
  </dependency>
  <dependency>
   <groupId>org.liquibase</groupId>
   <artifactId>liquibase-core</artifactId>
   <version>3.4.1</version>
   <licenses>
    <license>
     <name>Apache Software License 2.0</name>
     <url>https://raw.githubusercontent.com/liquibase/liquibase/liquibase-parent-3.4.1/LICENSE.txt</url>
    </license>
```

```xml
          </licenses>
        </dependency>
        <dependency>
          <groupId>org.twitter4j</groupId>
          <artifactId>twitter4j-core</artifactId>
          <version>4.0.4</version>
          <licenses>
            <license>
              <name>Apache Software License 2.0</name>
              <url>https://raw.githubusercontent.com/yusuke/twitter4j/4.0.4/LICENSE.txt</url>
            </license>
          </licenses>
        </dependency>
        <dependency>
          <groupId>org.freemarker</groupId>
          <artifactId>freemarker</artifactId>
          <version>2.3.26-incubating</version>
          <licenses>
            <license>
              <name>Apache Software License 2.0</name>
              <url>https://git-wip-us.apache.org/repos/asf?p=incubator-
freemarker.git;a=blob_plain;f=LICENSE.txt;hb=v2.3.23</url>
            </license>
          </licenses>
        </dependency>
        <dependency>
          <groupId>aopalliance</groupId>
          <artifactId>aopalliance</artifactId>
          <version>1.0</version>
          <licenses>
            <license>
              <name>Public Domain</name>
              <url>http://aopalliance.sourceforge.net/</url>
            </license>
          </licenses>
        </dependency>
        <dependency>
          <groupId>org.codehaus.plexus</groupId>
          <artifactId>plexus-classworlds</artifactId>
          <version>2.5.2</version>
          <licenses>
            <license>
              <name>Apache Software License 2.0</name>
              <url>https://raw.githubusercontent.com/sonatype/plexus-classworlds/plexus-classworlds-2.5.2/LICENSE-
2.0.txt</url>
            </license>
          </licenses>
        </dependency>
```

```xml
<dependency>
  <groupId>org.codehaus.plexus</groupId>
  <artifactId>plexus-utils</artifactId>
  <version>3.0.20</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    </license>
  </licenses>
</dependency>
<dependency>
  <groupId>org.codehaus.plexus</groupId>
  <artifactId>plexus-component-annotations</artifactId>
  <version>1.5.5</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    </license>
  </licenses>
</dependency>
<dependency>
  <groupId>org.codehaus.plexus</groupId>
  <artifactId>plexus-interpolation</artifactId>
  <version>1.21</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    </license>
  </licenses>
</dependency>
<dependency>
  <groupId>org.apache.ant</groupId>
  <artifactId>ant-launcher</artifactId>
  <version>1.8.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>https://git-wip-us.apache.org/repos/asf?p=ant.git;a=blob_plain;f=LICENSE;hb=rel/1.8.3</url>
    </license>
  </licenses>
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  <groupId>org.apache.ant</groupId>
  <artifactId>ant</artifactId>
  <version>1.8.3</version>
```

```xml
      <licenses>
       <license>
        <name>Apache Software License 2.0</name>
        <url>https://git-wip-us.apache.org/repos/asf?p=ant.git;a=blob_plain;f=LICENSE;hb=rel/1.8.3</url>
       </license>
      </licenses>
     </dependency>
     <dependency>
      <groupId>org.apache.maven.wagon</groupId>
      <artifactId>wagon-http-shared</artifactId>
      <version>2.6</version>
      <licenses>
       <license>
        <name>Apache Software License 2.0</name>
        <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
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      </licenses>
     </dependency>
     <dependency>
      <groupId>org.apache.maven.wagon</groupId>
      <artifactId>wagon-provider-api</artifactId>
      <version>2.6</version>
      <licenses>
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        <name>Apache Software License 2.0</name>
        <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
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        <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
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      </licenses>
     </dependency>
     <dependency>
      <groupId>org.apache.maven</groupId>
      <artifactId>maven-compat</artifactId>
      <version>3.2.5</version>
      <licenses>
       <license>
        <name>Apache Software License 2.0</name>
        <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
```

```xml
      </license>
    </licenses>
  </dependency>
  <dependency>
   <groupId>org.apache.maven</groupId>
   <artifactId>maven-model-builder</artifactId>
   <version>3.2.5</version>
   <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
    </license>
   </licenses>
  </dependency>
  <dependency>
   <groupId>org.apache.maven</groupId>
   <artifactId>maven-core</artifactId>
   <version>3.2.5</version>
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      <name>Apache Software License 2.0</name>
      <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
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      <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
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  <dependency>
   <groupId>org.apache.maven</groupId>
   <artifactId>maven-artifact</artifactId>
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```

```xml
    <groupId>org.apache.maven</groupId>
    <artifactId>maven-plugin-api</artifactId>
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    <licenses>
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        <name>Apache Software License 2.0</name>
        <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
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    </licenses>
  </dependency>
  <dependency>
    <groupId>org.apache.maven</groupId>
    <artifactId>maven-settings</artifactId>
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        <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
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    <artifactId>maven-repository-metadata</artifactId>
    <version>3.2.5</version>
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        <name>Apache Software License 2.0</name>
        <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
      </license>
    </licenses>
  </dependency>
  <dependency>
    <groupId>org.apache.maven</groupId>
    <artifactId>maven-aether-provider</artifactId>
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    <licenses>
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        <url>https://git-wip-us.apache.org/repos/asf?p=maven.git;a=blob_plain;f=LICENSE;hb=maven-3.2.5</url>
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    <artifactId>maven-settings-builder</artifactId>
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```xml
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  </dependency>
  <dependency>
    <groupId>org.mvel</groupId>
    <artifactId>mvel2</artifactId>
    <version>2.2.8.Final</version>
    <licenses>
      <license>
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        <url>https://raw.githubusercontent.com/mvel/mvel/mvel2-2.2.8.Final/LICENSE.txt</url>
      </license>
    </licenses>
  </dependency>
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    <groupId>org.sonatype.sisu.inject</groupId>
    <artifactId>guice-servlet</artifactId>
    <version>3.2.3</version>
    <licenses>
      <license>
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        <url>http://git.eclipse.org/c/sisu/org.eclipse.sisu.inject.git/plain/LICENSE.txt?h=releases/0.3.2</url>
      </license>
    </licenses>
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  <dependency>
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    <artifactId>org.eclipse.sisu.plexus</artifactId>
    <version>0.3.0.M1</version>
    <licenses>
      <license>
        <name>Eclipse Public License 1.0</name>
        <url>http://git.eclipse.org/c/sisu/org.eclipse.sisu.inject.git/plain/LICENSE.txt?h=milestones/0.3.0.M1</url>
      </license>
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  </dependency>
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    <groupId>org.eclipse.sisu</groupId>
    <artifactId>org.eclipse.sisu.inject</artifactId>
    <version>0.3.0.M1</version>
    <licenses>
      <license>
        <name>Eclipse Public License 1.0</name>
        <url>http://git.eclipse.org/c/sisu/org.eclipse.sisu.inject.git/plain/LICENSE.txt?h=milestones/0.3.0.M1</url>
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```xml
      </licenses>
    </dependency>
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      <artifactId>aether-util</artifactId>
      <version>1.0.0.v20140518</version>
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      <artifactId>aether-impl</artifactId>
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      <groupId>org.eclipse.aether</groupId>
      <artifactId>aether-transport-wagon</artifactId>
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        </license>
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    </dependency>
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      <artifactId>aether-connector-basic</artifactId>
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        </license>
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    </dependency>
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```

```xml
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     <artifactId>aether-api</artifactId>
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    </dependency>
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     <artifactId>aether-spi</artifactId>
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  <div class=title>AOP Alliance (Java/J2EE AOP standards)</div>

  <h1>AOP Alliance, presentation</h1>

  <p>The AOP Alliance project is a joint open-source project between
  several software engineering people who are interested in AOP and
  Java.
```

```
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  <p>We believe that Aspect-Oriented Programming (AOP) offers a
  better solution to many problems than do existing technologies
  such as EJB. AOP Alliance intends to facilitate and standardize
  the use of AOP to enhance existing middleware environments (such
  as J2EE), or development environements (e.g. JBuilder, Eclipse).
  The AOP Alliance also aims to ensure interoperability between
  Java/J2EE AOP implementations to build a larger AOP community.

  <p style="text-align:right"><a href="motivations.html">read more details...</a></p>

<!--
  <h1>Work in progress</h1>

-->
  <h1>Materials</h1>

  <ul>
   <li><a
   href="http://sourceforge.net/projects/aopalliance">Sourceforge
   site</a></li>
   <li>White paper draft (The AOP Alliance: Why Did We Get In?): (<a
   href="white_paper/white_paper.pdf">pdf</a>) (<a
   href="white_paper/white_paper.ps">ps</a>) (<a
   href="white_paper">html online version</a>)</li>
   <li>Online Sourceforge <a
  href="http://cvs.sourceforge.net/cgi-bin/viewcvs.cgi/aopalliance/">CVS
  Repository</a></li>
   <li>
 <a href="doc/index.html">Online Javadoc-generated AOP Alliance
specifications preview (this is unstable work in progress)</a>.
   </li>
   <li>
 Mailing list:
 <ul>
  <li>
   <a
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Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

How to use these buttons

 <button class="zocial facebook">Button label here</button>

or

 Button label

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)

Check out zocial.smcllns.com for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings
see the `templates/zocial.css` file.

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body {
  font-family: monospace;
}

table {
  border-collapse: collapse;
}

table, th, td {
  border: 1px solid navy;
  margin: 2em 0;
}

th {
  text-align: left;
  background-color: #BCC6CC;

}

th, td {
  padding: 2px;
  text-align: left;
```

```css
}

tr:nth-child(even) {
  background-color: #f2f2f2;
}

ul {
  list-style: none;
  padding: 0;
  margin: 0;
}

li.archive ul {
  padding-left: 40px;
}

li.archive p {
  display: inline;
  margin: 0;
}

li.archive p:after {
  content: ":";
}

li.archive:before {
  content: "a ";
}
li.file:before {
  content: "f ";
}
li.directory:before {
  content: "d ";
}
```

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<h2>WildFly - Servlet Feature Pack</h2>

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<th>Package Group</th><th>Package Artifact</th><th>Package Version</th><th>Remote Licenses</th><th>Local Licenses</th>

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href="https://javaee.github.io/glassfish/LICENSE">Common Development and Distribution License 1.1</a>
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<a href="http://openjdk.java.net/legal/gplv2+ce.html">GNU General Public License v2.0 only, with Classpath
exception</a>
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</td><td><a href="common development and distribution license 1.1.txt">common development and distribution
license 1.1.txt</a>
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license 1.1.txt</a>
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gnu general public license v2.0 only, with classpath exception.txt

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or later</a>
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<a href="http://www.apache.org/licenses/LICENSE-2.0">Apache License 2.0</a>
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</td><td><a href="gnu lesser general public license v2.1 or later.txt">gnu lesser general public license v2.1 or
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or later</a>
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</tr>

</table>

</body>

</html>

<?xml version="1.0" encoding="utf-8"?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN" "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">

<html xmlns="http://www.w3.org/1999/xhtml"

  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"

  xmlns:owl="http://www.w3.org/2002/07/owl#"

  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"

  xmlns:dc="http://purl.org/dc/terms/"

  xmlns:xsd="http://www.w3.org/2001/XMLSchema"

  xmlns:spdx="http://spdx.org/rdf/terms#">

 <head>

  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <link rel="shortcut icon" href="sites/all/themes/cpstandard/favicon.ico" type="image/vnd.microsoft.icon" />

  <title>BSD 3-Clause No Nuclear License | Software Package Data Exchange (SPDX)</title>

  <link rel="shortcut icon" href="sites/all/themes/cpstandard/favicon.ico" type="image/vnd.microsoft.icon" />

  <link type="text/css" rel="stylesheet" media="all" href="sites/all/themes/cpstandard/css/style.css" />

  <link type="text/css" rel="stylesheet" media="all" href="sites/all/themes/cpstandard/css/colors.css" />

  <link href="//netdna.bootstrapcdn.com/font-awesome/4.0.3/css/font-awesome.css" rel="stylesheet" />

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<!-- GOOGLE FONTS -->
<link
href='//fonts.googleapis.com/css?family=Roboto:400,400italic,300,300italic,100italic,100,500,500italic,700,700itali
c,900,900italic' rel='stylesheet' type='text/css' />

<style type="text/css">

 #page {
   color: #58595b;
 }

 #header {
   border-bottom: 3px solid #4597cb;
   padding-bottom: 50px;
 }

 .breadcrumb {
   margin-top: 25px;
 }

 #content-header h1 {
   color: #58595b;
 }

 #page h2, h3, h4, h5 {
   color: #4597cb;
 }

 #page h1 {
 font-size: 2em;
 }

 #page h2 {
 font-size: 1.5em;
 }

 #page p {
   color: #58595b;
 }

 #page th {
   color: #58595b;
 }

 a, a:visited, a:hover {
   color: #4597cb;
 }
```

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    #footer-copyright {
      margin-top: 25px;
    }
    .replacable-license-text {
    color: #CC0000;
    }

    .optional-license-text {
    color: #0000cc;
    }

  </style>

<script type="text/javascript">

  var _gaq = _gaq || [];
  _gaq.push(['_setAccount', 'UA-3676394-2']);
  _gaq.push(['_trackPageview']);

  (function() {
    var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
    ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
    var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
  })();

</script>

</head>

<body typeof="spdx:License">

<div id="lf-header" class="collaborative-projects">
  <div class="gray-diagonal">
    <div class="container">
      <a id="collaborative-projects-logo" href="http://collabprojects.linuxfoundation.org">Linux Foundation
Collaborative Projects</a>
    </div>
  </div>
</div>

<div id="header">
  <div id="header-inner">
    <a href="/" title="Home" rel="home" id="logo">
      <img src="https://spdx.linuxfound.info/sites/cpstandard/files/logo_spdx_250.png" alt="Home" />
    </a>

    <div id="name-and-slogan">
      <div id="site-name">
```

```
    <h1><a href="/" title="Home" rel="home">Software Package Data Exchange (SPDX)</a></h1>
      </div>
    </div>


  </div>
 </div> <!-- /header -->

 <div id="highlighted">
   <div class="region region-highlighted">
   </div>
 </div>

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

  <div class="breadcrumb"><a href="/">Home</a>  <a href="/licenses">Licenses</a></div>

  <h1 property="dc:title">BSD 3-Clause No Nuclear License</h1>
  <div style="display:none;"><code property="spdx:deprecated">false</code></div>
  <h2>Full name</h2>
    <p style="margin-left: 20px;"><code property="spdx:name">BSD 3-Clause No Nuclear License</code></p>

  <h2>Short identifier</h2>
    <p style="margin-left: 20px;"><code property="spdx:licenseId">BSD-3-Clause-No-Nuclear-
License</code></p>

  <h2>Other web pages for this license</h2>
    <div style="margin-left: 20px;">
     <ul>
      <li><a href="http://download.oracle.com/otn-
pub/java/licenses/bsd.txt?AuthParam=1467140197_43d516ce1776bd08a58235a7785be1cc"
rel="rdfs:seeAlso">http://download.oracle.com/otn-
pub/java/licenses/bsd.txt?AuthParam=1467140197_43d516ce1776bd08a58235a7785be1cc</a></li>
     </ul>
    </div>

  <div property="spdx:isOsiApproved" style="display: none;">false</div>

  <h2 id="notes">Notes</h2>
    <p style="margin-left: 20px;">This license has an older Sun copyright notice and is the same license as BSD-
3-Clause-No-Nuclear-Warranty, except it specifies that that software is "not licensed" for use in a nuclear facility, as
opposed to a disclaimer for such use.</p>

  <h2 id="licenseText">Text</h2>

  <div property="spdx:licenseText" class="license-text">

<br/>
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```

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</p>
<p> * Neither the name of Sun Microsystems, Inc. or the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.
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</p>
<p>You acknowledge that this software is not designed, licensed or intended for use in the design, construction, operation or maintenance of any nuclear facility.</p>
    </div>

    <h2 id="licenseHeader">Standard License Header</h2>
    <div property="spdx:standardLicenseHeader" class="license-text">
     <p style="font-style: italic">There is no standard license header for the license</p>

    </div>

  </div> <!-- /page -->

  <div class="collaborative-projects">
   <div class="gray-diagonal">
    <div class="container">
     <div id="footer-copyright">
      <p>(c) 2016   SPDX Workgroup a Linux Foundation Collaborative Project. All Rights Reserved.
</p>
      <p>Linux Foundation is a registered trademark of The Linux Foundation. Linux is a registered trademark of Linus Torvalds.</p>
      <p>Please see our privacy policy and terms of use.</p>
     </div>
    </div>

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      </div>
    </div>

    <div id="top-page-link">
      <a href="#"><i class="fa fa-arrow-circle-up"></i><span>top of page</span></a>
    </div>

  </body>
</html>
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Being in the public domain is not a license; rather, it means the material is not copyrighted and no license is needed.
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Version 2.1, February 1999

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```xml
<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
        xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

  <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
  <xsl:param name="version"/>
```

```
<xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '" />
<xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'" />

<xsl:template match="/">
  <html>
    <head>
      <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
      <link rel="stylesheet" type="text/css" href="licenses.css"/>
    </head>
    <body>
      <h2>WildFly <xsl:value-of select="substring-before($version, '-')"/> - Feature Pack</h2>
      <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
      <!-- Read matching templates -->
      <table>
        <tr>
          <th>Package Group</th>
          <th>Package Artifact</th>
          <th>Package Version</th>
          <th>Remote Licenses</th>
          <th>Local Licenses</th>
        </tr>
        <xsl:for-each select="licenseSummary/dependencies/dependency">
        <xsl:sort select="concat(groupId, '.', artifactId)"/>
        <tr>
          <td><xsl:value-of select="groupId"/></td>
          <td><xsl:value-of select="artifactId"/></td>
          <td><xsl:value-of select="version"/></td>
          <td>
            <xsl:for-each select="licenses/license">
              <xsl:choose>
                <xsl:when test="name = 'Public Domain'">
                  <xsl:value-of select="name"/><br/>
                </xsl:when>
                <xsl:otherwise>
                  <a href="{./url}"><xsl:value-of select="name"/></a><br/>
                </xsl:otherwise>
              </xsl:choose>
            </xsl:for-each>
          </td>
          <td>
            <xsl:for-each select="licenses/license">
              <xsl:variable name="filename">
                <xsl:call-template name="remap-local-filename">
                  <xsl:with-param name="name" select="name" />
                </xsl:call-template>
              </xsl:variable>
              <a href="{$filename}"><xsl:value-of select="$filename"/></a><br/>
```

```
            </xsl:for-each>
          </td>
        </tr>
      </xsl:for-each>
    </table>
  </body>
</html>
  </xsl:template>


  <xsl:template name="remap-local-filename">
    <xsl:param name="name"/>
    <xsl:choose>
      <xsl:when test="$name = 'BSD 3-clause "New" or "Revised" License'">
        <xsl:text>bsd 3-clause new or revised license.html</xsl:text>
      </xsl:when>
      <xsl:when test="$name = 'BSD 3-Clause No Nuclear License'">
        <xsl:text>bsd 3-clause no nuclear license.html</xsl:text>
      </xsl:when>
      <xsl:when test="$name = 'Creative Commons Attribution 2.5'">
        <xsl:text>creative commons attribution 2.5.html</xsl:text>
      </xsl:when>
      <xsl:when test="$name = 'GNU Lesser General Public License v2.1 or later'">
        <xsl:text>gnu lesser general public license v2.1 or later.html</xsl:text>
      </xsl:when>
      <xsl:when test="$name = 'Mozilla Public License 2.0'">
        <xsl:text>mozilla public license 2.0.html</xsl:text>
      </xsl:when>
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    <artifactId>classmate</artifactId>
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        <name>Common Development and Distribution License 1.1</name>
        <url>https://javaee.github.io/glassfish/LICENSE</url>
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      <artifactId>istack-commons-runtime</artifactId>
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        <url>https://javaee.github.io/glassfish/LICENSE</url>
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    </dependency>
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   </license>
  </licenses>
</dependency>
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   <url>http://www.gnu.org/licenses/old-licenses/lgpl-2.1-standalone.html</url>
   <distribution>repo</distribution>
  </license>
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</dependency>
<dependency>
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 <artifactId>wildfly-weld-transactions</artifactId>
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   <url>http://www.gnu.org/licenses/old-licenses/lgpl-2.1-standalone.html</url>
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 </licenses>
</dependency>
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 <artifactId>wildfly-xts</artifactId>
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```

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  <artifactId>wildfly-cli</artifactId>
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      <name>Apache License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0</url>
      <distribution>repo</distribution>
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   <artifactId>wildfly-http-client-common</artifactId>
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  </dependency>
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   <licenses>
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   <artifactId>wildfly-http-naming-client</artifactId>
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     <distribution>repo</distribution>
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          <url>http://www.apache.org/licenses/LICENSE-2.0</url>
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          <url>http://opensource.org/licenses/CPL-1.0</url>
          <distribution>repo</distribution>
        </license>
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    </dependency>
  </dependencies>
</licenseSummary>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en" dir="ltr">
 <head>
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  <meta name="generator" content="MediaWiki 1.19.24" />
<link rel="shortcut icon" href="/favicon.ico" />
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title="FedoraProject (en)" />
<link rel="EditURI" type="application/rsd+xml" href="https://fedoraproject.org/w/api.php?action=rsd" />
<link rel="copyright" href="/wiki/Legal:Main" />
<link rel="alternate" type="application/atom+xml" title="FedoraProject Atom feed"
href="/w/index.php?title=Special:RecentChanges&feed=atom" /> <title>Licensing/Plexus Classworlds License -
FedoraProject</title>
  <link rel="stylesheet"
href="https://fedoraproject.org/w/load.php?debug=false&lang=en&modules=mediawiki.legacy.commonPrint%2Csh
ared&only=styles&skin=fedora&*" />
<meta name="ResourceLoaderDynamicStyles" content="" />
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decoration:none}a.new,#quickbar a.new{color:#ba0000}


/* cache key: fpo-mediawiki-en_:resourceloader:filter:minify-css:7:c88e2bcd56513749bec09a7e29cb3ffa */</style>


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/*]]>*/</style>
 <link rel="stylesheet" type="text/css" media="print" href="/w/skins/common/commonPrint.css?273" />
 <link rel="stylesheet" type="text/css" media="handheld" href="/w/skins/fedora/handheld.css?273" />
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 <script>if(window.mw){
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s_License","wgRestrictionEdit":[],"wgRestrictionMove":[]});
}</script>
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></script>
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,"diffonly":0,"disablemail":0,"disablesuggest":0,"editfont":"default","editondblclick":0,"editsection":1,"editsectiono
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/* cache key: fpo-mediawiki-en_:resourceloader:filter:minify-js:7:2e839801c875f3062717112bdc5ea3e0 */
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}</script> <script type="text/javascript" src="/w/skins/common/wikibits.js?273"><!-- wikibits js --></script>
 </head>
<body class="mediawiki ltr ns-0 ns-subject page-Licensing_Plexus_Classworlds_License">
 <div id="wrapper">
    <div id="head">
    <h1>Fedora</h1>
 <div id="p-personal">
  <h5>Personal tools</h5>

   <li id="pt-login"><a
href="/w/index.php?title=Special:UserLogin&returnto=Licensing%2FPlexus+Classworlds+License" title="You are
encouraged to log in; however, it is not mandatory [o]" accesskey="o" >Log in

 </div>

 <!-- Top actions bar -->
 <div id="p-cactions">
  <h5>Views</h5>

    <li id="ca-nstab-main" class="selected"><a href="/wiki/Licensing/Plexus_Classworlds_License" title="View the
content page [c]" accesskey="c" >Page

```
    <li id="ca-talk" class="new"><a
href="/w/index.php?title=Talk:Licensing/Plexus_Classworlds_License&action=edit&redlink=1" title="Discussion
about the content page [t]" accesskey="t" >Discussion</a></li>
    <li id="ca-viewsource"><a href="/w/index.php?title=Licensing/Plexus_Classworlds_License&action=edit"
title="This page is protected.
You can view its source [e]" accesskey="e" >View source</a></li>
    <li id="ca-history"><a href="/w/index.php?title=Licensing/Plexus_Classworlds_License&action=history"
title="Past revisions of this page [h]" accesskey="h" >History</a></li>
   </ul>
 </div>

    </div>
<div id="sidebar">
<div id="nav">
<!-- Sidebar -->
 <div id='p-wiki'>
 <h2>wiki</h2>
  <ul>
   <li id="n-mainpage"><a href="/wiki/Fedora_Project_Wiki" title="Visit the main page [z]" accesskey="z" >Fedora
Project Wiki</a></li>
   <li id="n-News"><a href="/wiki/FWN" >News</a></li>
   <li id="n-Events"><a href="/wiki/FedoraEvents" >Events</a></li>
   <li id="n-Features"><a href="/wiki/Features" >Features</a></li>
   <li id="n-recentchanges"><a href="/wiki/Special:RecentChanges" title="A list of recent changes in the wiki [r]"
accesskey="r" >Recent changes</a></li>
   <li id="n-randompage"><a href="/wiki/Special:Random" title="Load a random page [x]" accesskey="x" >Random
page</a></li>
   <li id="n-Help"><a href="/wiki/Help" title="The place to find out" >Help</a></li>
  </ul>
 </div>
 <div id='p-navigation'>
 <h2>Navigation</h2>
  <ul>
   <li id="n-Home"><a href="http://fedoraproject.org/" >Home</a></li>
   <li id="n-Get-Fedora"><a href="http://get.fedoraproject.org/" >Get Fedora</a></li>
   <li id="n-Join-Fedora"><a href="http://join.fedoraproject.org/" >Join Fedora</a></li>
  </ul>
 </div>
 <div id='p-sub-projects'>
 <h2>sub-projects</h2>
  <ul>
   <li id="n-Ambassadors"><a href="/wiki/Ambassadors" >Ambassadors</a></li>
   <li id="n-Community-Operations"><a href="/wiki/CommOps" >Community Operations</a></li>
   <li id="n-Design"><a href="/wiki/Design" >Design</a></li>
   <li id="n-Documentation"><a href="/wiki/DocsProject" >Documentation</a></li>
   <li id="n-EPEL"><a href="/wiki/EPEL" >EPEL</a></li>
   <li id="n-Infrastructure"><a href="/wiki/Infrastructure" >Infrastructure</a></li>
   <li id="n-Internationalization"><a href="/wiki/I18N" >Internationalization</a></li>
```

```html
    <li id="n-Localization"><a href="/wiki/L10N" >Localization</a></li>
    <li id="n-Marketing"><a href="/wiki/Marketing" >Marketing</a></li>
    <li id="n-Magazine"><a href="/wiki/FWN" >Magazine</a></li>
    <li id="n-Package-Maintainers"><a href="/wiki/PackageMaintainers" >Package Maintainers</a></li>
    <li id="n-Quality-Assurance"><a href="/wiki/QA" >Quality Assurance</a></li>
    <li id="n-Websites"><a href="/wiki/Websites" >Websites</a></li>
    <li id="n-All-projects"><a href="/wiki/Projects" >All projects</a></li>
   </ul>
 </div>
  <div id="p-search">
  <h2><label for="searchInput">Search</label></h2>
   <form action="/wiki/Special:Search" id="searchform"><div>
    <input id="searchInput" name="search" type="text" title="Search FedoraProject [f]" accesskey="f"  value="" /><br
/>
    <input type='submit' name="go" class="searchButton" id="searchGoButton" value="Go" /> 
    <input type='submit' name="fulltext" class="searchButton" id="mw-searchButton" value="Search" />
   </div></form>
 </div>
 <div id="p-tb">
  <h2>Tools</h2>
  <ul>
   <li id="t-whatlinkshere"><a href="/wiki/Special:WhatLinksHere/Licensing/Plexus_Classworlds_License" title="A
list of all wiki pages that link here [j]" accesskey="j" >What links here</a></li>
    <li id="t-recentchangeslinked"><a
href="/wiki/Special:RecentChangesLinked/Licensing/Plexus_Classworlds_License" title="Recent changes in pages
linked from this page [k]" accesskey="k" >Related changes</a></li>
<li id="t-specialpages"><a href="/wiki/Special:SpecialPages" title="A list of all special pages [q]" accesskey="q"
>Special pages</a></li>
    <li id="t-print"><a
href="/w/index.php?title=Licensing/Plexus_Classworlds_License&printable=yes"title="Printable version of this
page [p]" accesskey="p" >Printable version</a></li>    <li id="t-permalink"><a
href="/w/index.php?title=Licensing/Plexus_Classworlds_License&oldid=101686"title="Permanent link to this
revision of the page" >Permanent link</a></li>   </ul>
 </div>
</div>
</div><!-- end of the left (by default at least) column -->

 <div id="content">
  <div id="siteNotice"><div id="localNotice" lang="en" dir="ltr"></div></div>  <h2>Licensing/Plexus Classworlds
License</h2>
  <h3 id="siteSub">From FedoraProject</h3>
  <div id="contentSub"><span class="subpages">< <a href="/wiki/Licensing"
title="Licensing">Licensing</a></span></div>
      <div id="jump-to-nav">Jump to: <a href="#column-one">navigation</a>, <a
href="#searchInput">search</a></div>   <!-- start content -->
  <div id="mw-content-text" lang="en" dir="ltr" class="mw-content-ltr"><h2> <span class="mw-headline"
id="Fedora_Notes"> Fedora Notes </span></h2>
<p>This is an Apache 1.1 derived license. Unfortunately, clause 4 is too broad, making it Free but GPL-
```

incompatible.
</p>
<h2> License Text </h2>
<pre>
/*
$Id: LICENSE.txt 3117 2006-04-07 15:49:12Z jvanzyl $

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   (http://classworlds.codehaus.org/).

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STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.
</pre>

```
*/
</pre>


<!--
NewPP limit report
Preprocessor node count: 9/1000000
Postexpand include size: 0/2097152 bytes
Template argument size: 0/2097152 bytes
Expensive parser function count: 0/100
-->


<!-- Saved in parser cache with key fpo-mediawiki-en_:pcache:idhash:26521-0!*!*!!*!*!* and timestamp
20170914231553 -->
</div><div class="printfooter">
Retrieved from "<a
href="https://fedoraproject.org/w/index.php?title=Licensing/Plexus_Classworlds_License&oldid=101686">https://f
edoraproject.org/w/index.php?title=Licensing/Plexus_Classworlds_License&oldid=101686</a>"</div>
   <div id="catlinks"><div id='catlinks' class='catlinks catlinks-allhidden'></div></div>   <!-- end content -->
 </div>


<!-- Top login, etc. bar -->
<!-- #p-personal moved to inside #content so the text color says the same -->
 <script type="text/javascript"> if (window.isMSIE55) fixalpha(); </script>
</div>
   <div id="bottom">
   <div id="footer">
    <div id="f-poweredbyico"><a href="//www.mediawiki.org/"><img
src="/w/skins/common/images/poweredby_mediawiki_88x31.png" height="31" width="88" alt="Powered by
MediaWiki" /></a></div>
    <p class="copy">
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   <li class="first" id="lastmod"> This page was last modified on 14 May 2009, at 19:22.</li>
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Alike 3.0 Unported</a> unless otherwise noted.</li>
    </ul>
   <ul>
    <li class="first" id="privacy"><a href="/wiki/FedoraProject:Privacy_policy" title="FedoraProject:Privacy
policy">Privacy policy</a></li>
```

```
    <li id="about"><a href="/wiki/FedoraProject:About" title="FedoraProject:About">About FedoraProject</a></li>
    <li id="disclaimer"><a href="/wiki/FedoraProject:General_disclaimer" title="FedoraProject:General
disclaimer">Disclaimers</a></li>
        <li><a href="http://fedoraproject.org/en/sponsors">Sponsors</a></li>
        <li><a href="http://fedoraproject.org/wiki/Legal:Main">Legal</a></li>
        <li><a href="http://fedoraproject.org/wiki/Legal:Trademark_guidelines">Trademark Guidelines</a></li>
      </ul>
  </div>
  </div>

 <script>if(window.mw){
mw.loader.load(["mediawiki.user","mediawiki.page.ready"], null, true);
}</script>
<script
src="https://fedoraproject.org/w/load.php?debug=false&lang=en&modules=site&only=scripts&skin=fedora&*"></
script>

 <!-- <script src="https://apps.fedoraproject.org/fedmenu/js/jquery-1.11.2.min.js"></script> -->
 <script src="https://apps.fedoraproject.org/fedmenu/js/fedora-libravatar.js"></script>
 <script src="https://apps.fedoraproject.org/fedmenu/js/fedmenu.js"></script>
 <script>
   fedmenu({
      'url': 'https://apps.fedoraproject.org/js/data.js',
      'mimeType': 'application/javascript',
      'position': 'bottom-right',
          });
 </script>

<!-- Served in 0.440 secs. --></body></html>
```

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```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Licenses: Indiana Extreme License 1.1.1 (indiana-extreme)</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <!-- Styles -->
    <link href="/static/bootstrap/css/bootstrap.min.css" rel="stylesheet">
    <link href="/static/fontawesome/css/font-awesome.min.css" rel="stylesheet">
    <link href="/static/css/dejacode_bootstrap.css" rel="stylesheet">




    <link href="/static/js/annotator/annotator.1.2.10.min.css" rel="stylesheet">



    <script src="/static/js/jquery-1.12.4.min.js"></script>
    <link rel="shortcut icon" href="/static/img/favicon.ico">
  </head>

  <body class="object-details">
    <div id="wrap">











    <div class="navbar navbar-fixed-top">
```

```
<div class="navbar-inner">
  <div class="container">



        <ul class="nav">



  <li class="dropdown ">
    <a data-toggle="dropdown" class="brand dropdown-toggle" href="#" style="margin-left: 0;">
      DejaCode <b class="caret"></b>
    </a>
    <ul class="dropdown-menu">
      <li><a href="/home/">Home</a></li>
      <li><a href="https://dejacode.zendesk.com/home" target="_blank">Support</a></li>
      <li><a href="/contact/">Contact</a></li>
      <li class="divider"></li>
      <li><a href="/about/">About</a></li>
      <li><a href="/release_notes/">Release notes</a></li>
      <li><a href="http://status.dejacode.com/" target="_blank">Status</a></li>
      <li><a href="/terms_conditions/">Terms of Service</a></li>
    </ul>
  </li>
```
```
  <li class="">
    <a href="/products/">Products</a>
  </li>

<li class="">
  <a href="/components/">Components</a>
</li>
<li class="">
  <a href="/packages/">Packages</a>
</li>
<li class="active">
  <a href="/licenses/">Licenses</a>
</li>
<li class="">
  <a href="/owners/">Owners</a>
</li>
```

```
        </ul>
        <ul class="nav pull-right">
          <li>
            <form id="search-form" class="navbar-search form-search" action="/licenses/">
              <div class="input-prepend">
                <button type="button" class="btn btn-warning" data-toggle="dropdown">
                  <span id="search-selector-content">

                      <i class="icon-book"></i> License

                  </span>
                  <span class="caret"></span>
                </button>
                <ul id="search-selector-list" class="dropdown-menu">
                  <li><a href="/products/"><i class="icon-briefcase"></i> Product</a></li>
                  <li><a href="/components/"><i class="icon-puzzle-piece"></i> Component</a></li>
                  <li><a href="/packages/"><i class="icon-archive"></i> Package</a></li>
                  <li><a href="/licenses/"><i class="icon-book"></i> License</a></li>
                  <li><a href="/owners/"><i class="icon-group"></i> Owner</a></li>
                  <li class="divider"></li>
                  <li><a href="/global_search/"><i class="icon-globe"></i> Global</a></li>
                </ul>
                <input type="text" id="search-input" name="q" class="search-query span4"
placeholder="Search" autocomplete="off" value="">
              </div>
              <a id="search-help-link" href="#search-help-modal" data-toggle="modal"><i class="icon-
question-sign"></i></a>

            </form>
          </li>


              <li><a href="/account/register/"><i class="icon-user"></i> Sign Up</a></li>

              <li class="dropdown">

                  <a id="user-menu" href="/login/"><i class="icon-signin"></i> Sign in</a>

              </li>

        </ul>

      </div>
    </div>
</div>
```

```html
        <div class="container" id="main_content">




<ul class="breadcrumb">
  <li class="pull-right">


    <a href="/licenses/?q=indiana+extreme">Return to license list</a>
  </li>
  <li>
    <a href="/licenses/?q=indiana+extreme">Licenses</a>
    <span class="divider">/</span>
  </li>
  <li class="active">Indiana Extreme License 1.1.1 (indiana-extreme)</li>


</ul>


  <div class="row-fluid">
    <div class="pull-right b-margin5">
      <div class="btn-toolbar no-margin">



            <div class="btn-group">


            </div>

      </div>
    </div>

    <ul class="nav nav-tabs pull-left" id="details_tab">

        <li>
          <a href="#tab_essentials" data-toggle="tab">

              Essentials

          </a>
        </li>

        <li>
          <a href="#tab_license-text" data-toggle="tab">
```

```
                    License text

              </a>
         </li>


         <li>
            <a href="#tab_license-conditions" data-toggle="tab">

                    License conditions

              </a>
         </li>


         <li>
            <a href="#tab_urls" data-toggle="tab">

                    URLs

              </a>
         </li>


         <li>
            <a href="#tab_owner" data-toggle="tab">

                    Owner

              </a>
         </li>


      </ul>
   </div>


   <div class="tab-content">


      <div class="tab-pane" id="tab_essentials">



<dl class="dl-horizontal">
<dt>
   <span class="help_text" data-toggle="tooltip" data-original-title="Unique key name of the license.">
   Key
   </span>
</dt>
<dd>
   <pre>indiana-extreme</pre>
```

```
</dd>


<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="The full name of the license, as provided by the
original authors.">
  Name
  </span>
</dt>
<dd>
  <pre>Indiana University Extreme! Lab Software License Version 1.1.1</pre>
</dd>


<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Most commonly used name for the license,
often abbreviated.">
  Short name
  </span>
</dt>
<dd>
  <pre>Indiana Extreme License 1.1.1</pre>
</dd>


<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="A license category, identified by a code,
provides a major grouping for licenses, generally describing the relationship between the licensor and licensee.">
  Category
  </span>
</dt>
<dd>
  <pre>Permissive</pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="A License Type identifies the high level nature
of a License Category: Open Source, Commercial, or Proprietary.">
  License type
  </span>
</dt>
<dd>
  <pre>Open Source</pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="License Profile: a selection of license tags and
their values, identified by a numeric code, in order to provide a convenient way to assign a set of tag values to a
license. A "Tag" identifies a frequently encountered obligation, restriction, or other notable characteristic of license
terms. Note that individual tag value assignments may vary by license.">
  License profile
  </span>
</dt>
<dd>
  <pre>7: Apache1.1 Terms</pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="A license style identifies a group of
miscellaneous characteristics about a license, which may include a combination of restrictions about software
modification and usage">
  License style
  </span>
</dt>
<dd>
  <pre>Apache 1.1-Style</pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="An owner is an entity that is the original author
or custodian  of one or more software licenses, and which is responsible for the text of that license.">
  Owner
  </span>
</dt>
<dd>
  <pre><a href="/owners/public/Indiana+University/">Indiana University</a></pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Short identifier of the license as stated on each
license detail page at https://spdx.org/licenses/">
  SPDX short identifier
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Year this license was first published, in four-
digits format.">
  Publication year
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Keywords to associate with a license to ensure
that the license will be found when a user searches on one or more of the keywords. Examples include alternative
names for the license, or file/product names that are commonly associated with the license.">
  Keywords
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="The standard notice text for this license if it
exists.">
  Standard Notice
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="A concise description, maintained by an
administrator, of the obligations (or restrictions) mandated by the license which are not communicated by the
standard tag assignments of License Profile associated with this License.">
  Special obligations
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="URN is a globally unique and universal way to
reference data.">
  URN
  </span>
</dt>
<dd>
  <pre><a href="/urn/urn:dje:license:indiana-extreme/">urn:dje:license:indiana-extreme</a></pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="A Dataspace is an independent, exclusive set of
DejaCode data, which can be either nexB master reference data or installation-specific data.">
  Dataspace
  </span>
</dt>
<dd>
  <pre>public</pre>
</dd>
</dl>
```

```
    </div>
```

```
    <div class="tab-pane" id="tab_license-text">
```

```
<div id="licensetext">
  <div class="row-fluid">
    <div class="span1"></div>
    <div class="span11">
```

```
  <p class="muted"><i>The full text of the license. Note that {{double curly braces}} are used to indicate text that
will vary with each actual usage of a license.</i></p>
  <pre>Indiana University Extreme! Lab Software License Version 1.1.1
```

Copyright (c) 2002 Extreme! Lab, Indiana University. All rights reserved.

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following conditions are met:

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2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

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</pre>

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

   </div>

   <div class="tab-pane" id="tab_license-conditions">

```
  <div class="pull-right">
   <button type="button" class="btn btn-info" onclick="$('.tag-False').toggle()">Show/hide un-checked
Tags</button>
  </div>


 <h2>Obligations</h2>
 <div class="well well-sm">



     <div class="tag-True" >
       <i class="icon-ok-sign color-true icon-large"></i> 
       <strong>License Text in Source</strong>



       <p style="margin:0 0 5px;">This license requires a copy of the license text and all copyright notices to
be included in the source file(s). This obligation can also mean that a license or notice text file must be present in the
same directory as the associated code.</p>
     </div>



     <div class="tag-True" >
       <i class="icon-ok-sign color-true icon-large"></i> 
       <strong>License Text in Documentation</strong>



       <p style="margin:0 0 5px;">This license requires a copy of the license text and all copyright notices to
be included in the product documentation.</p>
     </div>



     <div class="tag-True" >
       <i class="icon-ok-sign color-true icon-large"></i> 
       <strong>Usage Notice in Documentation</strong>



       <p style="margin:0 0 5px;">This license requires a notice in the product documentation that the licensed
software is being used.</p>
```

```
</div>



<div class="tag-False" style="display: none;">
  <i class="icon-circle-blank color-false icon-large"></i> 
  <strong>Usage Notice in Advertisement</strong>



  <p style="margin:0 0 5px;">This license requires a notice in all advertisements for the product (typically
those mentioning features of the licensed software) that the licensed software is being used.</p>
</div>



<div class="tag-True" >
  <i class="icon-ok-sign color-true icon-large"></i> 
  <strong>No Use in Endorsements</strong>



  <p style="margin:0 0 5px;">This license requires that neither the name of the organization that owns the
licensed software nor the names of its contributors nor the name of the licensed software may be used to endorse or
promote products derived from the licensed software without specific prior written permission.</p>
</div>



<div class="tag-False" style="display: none;">
  <i class="icon-circle-blank color-false icon-large"></i> 
  <strong>Source Redistribution</strong>



  <p style="margin:0 0 5px;">This license requires the product documentation to include instructions
regarding how to obtain source code for the licensed software, including any modifications to it.</p>
</div>



<div class="tag-False" style="display: none;">
  <i class="icon-circle-blank color-false icon-large"></i> 
  <strong>Change Tracking in Source</strong>



  <p style="margin:0 0 5px;">This license requires that any changes to the original source code of the
```

licensed software must be documented within the source code itself.</p>
        </div>

        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i>
          Change Tracking in Documentation

          <p style="margin:0 0 5px;">This license requires that any changes to the original source code of the
licensed software must be documented in the product documentation.</p>
        </div>

        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i>
          Special Attribution Obligation

          <p style="margin:0 0 5px;">This license has one or more special attribution obligations that are
described in the text of the license.</p>
        </div>

  </div>

  <h2>Restrictions</h2>
  <div class="well well-sm">

        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i>
          Non-Commercial Use Only

          <p style="margin:0 0 5px;">This license prohibits commercial use (and typically redistribution) of the
licensed software.</p>
        </div>

        <div class="tag-False" style="display: none;">

```
<i class="icon-circle-blank color-false icon-large"></i> 
<strong>Platform Deployment Restriction</strong>



        <p style="margin:0 0 5px;">This license restricts the deployment of the licensed software by operating
system, technology, technical field of use or type of device. Licenses with this restriction are not OSI
compliant.</p>
        </div>



        <div class="tag-True" >
          <i class="icon-ok-sign color-true icon-large"></i> 
          <strong>Name Restriction</strong>


              <a data-annotation-id="28134" class="annotation_link" title="See annotation">
                <i class="icon-tag"></i>
              </a>


        <p style="margin:0 0 5px;">This license restricts and may specify how the name of the licensed
software may be used, including restrictions that may require a name change if the code is modified.</p>
        </div>



        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Restricted Redistribution</strong>



        <p style="margin:0 0 5px;">This license restricts which licensed software sub-components you can
redistribute.  The restriction may apply to source code, binary files or other sub-components. This restriction is
typically included only in proprietary or commercial licenses. Licenses with this restriction are not OSI
compliant.</p>
        </div>



        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Restricted Modifications</strong>
```

<p style="margin:0 0 5px;">This license restricts how the software can be modified. This restriction is typically included in proprietary or commercial licenses (for example, Oracle and Microsoft proprietary licenses) and in some licenses with restrictions on the creation of derivative works (for example, the Creative Common "no derivative" licenses).</p>
</div>

<div class="tag-False" style="display: none;">
<i class="icon-circle-blank color-false icon-large"></i>&nbsp;
No License Change

<p style="margin:0 0 5px;">This license prohibits changing the license that applies to the original licensed software or a derivative work of it. An example is the license for OpenSSL.</p>
</div>

<div class="tag-False" style="display: none;">
<i class="icon-circle-blank color-false icon-large"></i>&nbsp;
Specification Constraints

<p style="margin:0 0 5px;">This license has constraints on how the licensed software can be used or modified, in relation to some specification or standard. Few licenses have such constraints; examples include the licenses for MPEG for IP; the Independent JPEG group; some Open Group; POSIX; and some early Sun Java licenses. </p>
</div>

<div class="tag-False" style="display: none;">
<i class="icon-circle-blank color-false icon-large"></i>&nbsp;
DRM Not Allowed

<p style="margin:0 0 5px;">This license does not allow the assertion of any digital rights management on the licensed software or a derivative work of it with the intent of restricting the ability to exercise the rights granted by this license. </p>
</div>

<div class="tag-False" style="display: none;">

```
        <i class="icon-circle-blank color-false icon-large"></i> 
        <strong>Prohibited in Aircraft</strong>



        <p style="margin:0 0 5px;">This license prohibits use of the licensed software in aircraft-related
applications.</p>
        </div>




        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Prohibited in Medical</strong>



        <p style="margin:0 0 5px;">This license prohibits use of the licensed software in medical facilities
and/or life support equipment.</p>
        </div>




        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Prohibited in Nuclear</strong>



        <p style="margin:0 0 5px;">This license prohibits use of the licensed software in a nuclear-power
environment.</p>
        </div>




        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Export Controls</strong>



        <p style="margin:0 0 5px;">This license text includes export controls.</p>
        </div>



    </div>
```

```
<h2>Policies</h2>
<div class="well well-sm">


        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Patent - Rights Impairment</strong>



          <p style="margin:0 0 5px;">This license has terms that may impair your patent rights if you redistribute
```
the licensed software, since the license terms may require you to convey your patent rights along with redistribution
of the licensed software, or otherwise constrain the enforcement ability of your patent rights.</p>
```
        </div>



        <div class="tag-False" style="display: none;">
          <i class="icon-circle-blank color-false icon-large"></i> 
          <strong>Patent - License Termination</strong>



          <p style="margin:0 0 5px;">This license may end automatically if you bring a patent claim against any
```
contributor over patents that you claim are infringed by the licensed software; your patent license from such
contributor to the licensed software may also end automatically. </p>
```
        </div>


  </div>


<h2>Information</h2>
<div class="well well-sm">


        <div class="tag-True" >
          <i class="icon-ok-sign color-true icon-large"></i> 
          <strong>Warranty Disclaimer</strong>



          <p style="margin:0 0 5px;">This license text includes a warranty disclaimer.</p>
        </div>



        <div class="tag-False" style="display: none;">
```

```
<i class="icon-circle-blank color-false icon-large"></i> 
<strong>Indemnify Licensor</strong>
```

```
<p style="margin:0 0 5px;">This license says that you agree to indemnify, hold harmless and defend the
licensor from and against any loss, damage, claims or lawsuits, including attorney&#39;s fees that arise or result
from your use or distribution of the licensed software.</p>
</div>
```

```
<div class="tag-False" style="display: none;">
<i class="icon-circle-blank color-false icon-large"></i> 
<strong>Network Redistribution</strong>
```

```
<p style="margin:0 0 5px;">This license has specific terms that apply when the software is used or
deployed over a network. Few licenses have such terms; examples include Affero GPL, OSL and the Common
Public Attribution License (CPAL 1.0).</p>
</div>
```

```
<div class="tag-False" style="display: none;">
<i class="icon-circle-blank color-false icon-large"></i> 
<strong>Patent - Grant</strong>
```

```
<p style="margin:0 0 5px;">This license states that the author conveys a grant of patent rights without
constraining the use of patents held by a recipient.</p>
</div>
```

```
<div class="tag-False" style="display: none;">
<i class="icon-circle-blank color-false icon-large"></i> 
<strong>Patent - Warning</strong>
```

```
<p style="margin:0 0 5px;">This license explicitly warns that the license does not convey a patent grant
and that such a grant and/or royalty payments are probably required.</p>
</div>
```

```
<div class="tag-True" >
    <i class="icon-ok-sign color-true icon-large"></i> 
    <strong>GPL Compatible</strong>
```

```
<p style="margin:0 0 5px;">This license is compatible with the GPL; that is, software licensed under
this license can be combined with a program under the GPL without conflict, and the new combination would have
the GPL applied to the whole. The primary authority for compatibility is FSF.</p>
    </div>
```

```
<div class="tag-False" style="display: none;">
    <i class="icon-circle-blank color-false icon-large"></i> 
    <strong>Exceptions</strong>
```

```
<p style="margin:0 0 5px;">This license is based upon another license with specific exceptions.
Examples include exceptions to the GPL 2.0, such as the GCC Runtime Exception or the Classpath Exception.</p>
    </div>
```

```
</div>
```

```
</div>
```

```
<div class="tab-pane" id="tab_urls">
```

```
<dl class="dl-horizontal">
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Homepage URL for the license.">
  Homepage URL
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="URLs to the text of the license (plain text or
HTML) on the main site of this license.">
  Text URLs
  </span>
</dt>
<dd>
  <pre><a target="_blank" href="http://www.bearcave.com/software/java/xml/xmlpull_license.html"
rel="nofollow">http://www.bearcave.com/software/java/xml/xmlpull_license.html</a> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="URL on the OSI website http://opensource.org
for OSI-approved licenses.">
  Osi URL
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="URL of a page with Frequently Asked
Questions about this license.">
  FAQ URL
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="A URL to a page that documents your
organization&#39;s policies and procedures that relate to the obligations and restrictions associated with this license
or with similar licenses.">
  Guidance URL
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>




<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Other URLs that identify this license, such as
URLs to this license in different open-source projects. Obsolete links may be kept here, as they may be useful for
historical analysis purpose.">
  Other URLs
  </span>
</dt>
<dd>
  <pre> </pre>
</dd>
</dl>



    </div>


    <div class="tab-pane" id="tab_owner">


<dl class="dl-horizontal">
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="The unique user-maintained name of the author,
custodian, or provider of one or more software objects (licenses, components, products).">
  Name
  </span>
</dt>
<dd>
  <pre><a href="/owners/public/Indiana+University/">Indiana University</a></pre>
```

```
</dd>



<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="The homepage URL of the owner.">
  Homepage URL
  </span>
</dt>
<dd>
  <pre><a target="_blank" href="http://www.extreme.indiana.edu/"
rel="nofollow">http://www.extreme.indiana.edu/</a></pre>
</dd>




<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="An owner type differentiates individuals,
ongoing businesses, and dynamic organizations (such as software projects). An owner of any type can be associated
with a license, component, or product. An owner can also be the parent of any other owner.">
  Type
  </span>
</dt>
<dd>
  <pre>Organization</pre>
</dd>




<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Information, frequently a dedicated email
address, about contacting an owner for license clarifications and permissions.">
  Contact information
  </span>
</dt>
<dd>
  <pre><a target="_blank" href="http://www.extreme.indiana.edu/"
rel="nofollow">http://www.extreme.indiana.edu/</a></pre>
</dd>
```

```
<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Alternative spellings of the name of the owner
as a comma-separated list.">
  Alias
  </span>
</dt>
<dd>
  <pre>Extreme Computing</pre>
</dd>




<dt>
  <span class="help_text" data-toggle="tooltip" data-original-title="Extended notes about an owner.">
  Notes
  </span>
</dt>
<dd>
  <pre>Extreme! Computing
High Performance Distributed and Parallel Systems Research
Department of Computer Science
Indiana University
</pre>
</dd>
</dl>


    </div>

  </div>

      </div>
      <div id="push"></div>
    </div>
    <div id="search-help-modal" class="modal hide fade">
  <div class="modal-header">
   <button type="button" class="close" data-dismiss="modal" aria-hidden="true">&times;</button>
    <h3>Search help</h3>
```

```
    </div>
    <div class="modal-body" style="max-height: 550px;">
      <p>
        Note that the search value you enter is not case sensitive.<br>
        <code>apache</code> and <code>Apache</code> and <code>APACHE</code> are equivalent
        values for search purposes.
      </p>
      <p>
        The search starts with a simple case-insensitive containment search on the Name field
        of the application object (Component, License, Owner, Package, Product, "Global"),
        ordering the results by exact match first.<br>
        If the simple search returns nothing, a second step searches the application object by
        field ranking, using fields in the application object that help identify it.
      </p>
      <p>Search results are ordered by</p>
        <ol>
          <li>exact matches</li>
          <li>word matches</li>
          <li>text string matches</li>
        </ol>
      <p>alphabetically within each group.</p>
      <p>
    You can also filter search results by various column headers, selecting one or more values
        for that purpose, optionally using "type ahead" to quickly find the value you want.
        DejaCode limits the values you can select for filtering by those that will actually
        return results. You can use the column filters with or without a value in the search
        field. You can clear any filter simply by clicking the "x" on the label that identifies
        an active filter.
      </p>
      <p>
        You can reorder the search results simply by clicking the up or down arrow next to a
        column header.
      </p>
      <p style="margin-bottom: 0;">
        Note that, unlike a Google search, DejaCode will not try to guess what you intended if
        your spelling of search text is not accurate - e.g. DejaCode will not not return
        results for a mis-spelled search value.
      </p>
    </div>
  </div>



<div id="footer">
  <div class="container">
    <p class="muted credit">
      <a class="pull-right" href="#">Back to top</a>
      <a href="/">Home</a> -
      <a href="https://dejacode.zendesk.com/home" target="_blank">Support</a> -
```

```
<a href="/contact/">Contact</a> -
<a href="/about/">About</a> -
<a href="/release_notes/">Release notes</a> -
<a href="http://status.dejacode.com/" target="_blank">Status</a> -
<a href="/terms_conditions/">Terms of Service</a> -
<a href="http://twitter.com/dejacode" target="_blank">Twitter</a> -
<a href="https://www.facebook.com/nexB.Inc" target="_blank">Facebook</a>
<br>
Copyright 2017 nexB Inc.  DejaCode is a trademark of nexB Inc.<br>
No content on DejaCode should be considered or used as legal advice. Consult an Attorney for any legal
advice.
    </p>
  </div>
</div>

    <!-- Scripts: placed at the end of the document so the pages load faster -->
    <script src="/static/bootstrap/js/bootstrap.min.js"></script>
    <script src="/static/js/underscore-min.js"></script>
    <script src="/static/js/underscore.string.min.js"></script>
    <script>
      NEXB = {};
      NEXB.client_data = {"license_pk": 13295, "api_url": "/api/v2/", "annotation_pks": [28134]};
      $(document).ready(function() {
        // Search selection in the header
        $('#search-selector-list > li > a').click(function(event) {
          event.preventDefault();
          $('#search-form').attr('action', $(this).attr('href'));
          $('#search-selector-content').html($(this).html());
          $('#search-input').focus();
        });
        // Enables all popovers
        $('[data-toggle="popover"]').popover({
          html: true,
          container: 'body'
        });
        // Set the focus on the search bar when pressing the "s" key
        $(document).keydown(function(e) {
          // Do not trigger the navigation if an <input> or <textarea> currently has the focus
          var any_input_has_focus = (function() {return ($("input,textarea").is(":focus"))});
          if (e.keyCode == 83 && !any_input_has_focus()) {
            e.preventDefault();
            $('#search-input').focus();
          }
        });
      });
    </script>
```

```
<script>
$(document).ready(function() {
    // Check if a hash is present in the url
    if (document.location.hash == "") {
        // If not set the tab to the first one
        $('#details_tab a:first').tab('show');
    } else {
        // Building a jQuery selector based on a combination of the hash and the 'tab_' prefix
        // This prefix is used to avoid auto scrolling when coming from an URL containing
        // a tab in the hash.
        var selector = 'a[href="#tab_' + document.location.hash.slice(1) + '"]';
        // If an object is return, set the active tab on it
        if ($(selector).length) $(selector).tab('show');
        else $('#details_tab a:first').tab('show');
    }
    // When changing the active tab, reflect the change in the url
    $('a[data-toggle="tab"]').on('shown', function (e) {
        /* Clean the 'tab_' prefix from the href before injecting it in the hash */
        document.location.hash = $(e.target).attr('href').replace('tab_', '');
    });

    // Left and Right keys navigation


    $('.help_text').tooltip({ container: 'body', placement: 'right'});
    $('.btn-toolbar a.btn').tooltip({container: 'body', placement: 'top'});
    /* Policy tooltip */
    $('[data-toggle="tooltip"]').tooltip({placement: 'bottom', container: 'body'});

    $('#toggle-details')
        .tooltip({container: 'body', placement: 'top'})
        .on('click', function() {
            $('.extra-details').toggle();
        });
});
</script>




    <script src="/static/js/annotator/annotator-full.1.2.10.min.js"></script>
    <script src="/static/js/annotator_plugins/TagsInSelect.js"></script>
    <script>
        (function ($) {
            $(document).ready(function () {
                var annotator = $('#licensetext .row-fluid .span11').annotator({readOnly: true}).data('annotator');
                annotator.addPlugin('Store', {
                    prefix: NEXB.client_data.api_url,
```

```
urls: {
    search: 'license_annotations/?format=json'
},
loadFromSearch: {
    license: NEXB.client_data.license_pk
}
});
annotator.addPlugin('TagsInSelect', {
    // ``values`` is required, but since we are using
    // read-only mode, an empty array is fine
    values: []
});

Annotator.Plugin.AnonymousPlugin = (function () {
    // This plugin exists so that we can use the annotationsLoaded event

    function AnonymousPlugin(element, options) {
        // Call the Annotator.Plugin constructor this sets up the .element and
        // .options properties.
        Annotator.Plugin.apply(this, arguments);
    }

    // Set the plugin prototype.  This gives us all of the Annotator.Plugin methods.
    AnonymousPlugin.prototype = new Annotator.Plugin();

    AnonymousPlugin.prototype.pluginInit = function () {
        this.subscribe('annotationsLoaded', function (annotations) {
            var position_anchors = function () {
                _.each(NEXB.client_data.annotation_pks, function (pk, index, list) {
                    var top = $(_.string.sprintf('span.annotator-hl[data-annotation-id="%s"]', pk)).offset().top;
                    var anchor = $(_.string.sprintf('.reverse_annotation_link[data-annotation-id="%s"]', pk));
                    anchor.offset({top: top}).css('display', 'block').css('width', '100%').css('padding-left', '80%');
                });
            };

            _.each(NEXB.client_data.annotation_pks, function (pk, index, list) {
                var anchor = $(_.string.sprintf('<a class="reverse_annotation_link" title="See license tag"
data-annotation-id="%s"><i class="icon-tag"></i></a>', pk));
                anchor.on('click', function () {
                    // Activate and show the license-conditions tab
                    $('#details_tab').find('a[href="#tab_license-conditions"]').tab('show');
                    // Locate the related annotation link
                    var annotation_link = $(_.string.sprintf('a.annotation_link[data-annotation-id="%s"]', pk));
                    var link_position = annotation_link.offset().top;
                    // Scroll the body position to the link
                    // "html" is for Firefox compatibility and "body" for webkit
                    $('html,body').scrollTop(link_position - 80);
                });
            });
```

```
                $('#licensetext .row-fluid .span1').append(anchor);
            });

            // If the page is loaded on the license text tab, position the reverse annotation links
            if (top.location.hash === '#license-text') {
                position_anchors();
            }

            $('a[href="#tab_license-text"]').on('shown', function (e) {
                position_anchors();
            });
        });
    };

    return AnonymousPlugin;
}());
annotator.addPlugin('AnonymousPlugin');
    });
}(Annotator.$));


$(document).ready(function () {
    // Setup for the annotations links
    $('.annotation_link').on('click', function (e) {
        // Activate and show the license-text tab
        $('#details_tab').find('a[href="#tab_license-text"]').tab('show');
        // Locate the related annotation position
        var annotation_pk = $(this).attr('data-annotation-id');
        var annotator_span = $('span.annotator-hl[data-annotation-id=' + annotation_pk + ']');
        var span_position = annotator_span.offset().top;
        // Scroll the body position to the annotation
        // "html" is for Firefox compatibility and "body" for webkit
        $('html,body').scrollTop(span_position - 80);
    });
});
</script>


<!-- Google analytics -->
    <script>
var _gaq = _gaq || [];

_gaq.push(['_setAccount', 'UA-48483931-1']);

_gaq.push(['_setDomainName', 'dejacode.com']);

_gaq.push(['_trackPageview']);
```

```
  (function() {
    var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
    ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
    var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
  })();
</script>

  </body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>GNU General Public License v2.0 - GNU Project - Free Software Foundation (FSF)</title>
<link rel="alternate" type="application/rdf+xml"
    href="http://www.gnu.org/licenses/old-licenses/gpl-2.0.rdf" />
</head>
<body>
<h3><a id="SEC1">GNU GENERAL PUBLIC LICENSE</a></h3>
<p>
Version 2, June 1991
</p>

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</p>

<p>
```

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</p>

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</p>

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</p>

<p>
 The precise terms and conditions for copying, distribution and

modification follow.
</p>

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</p>

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</p>

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</p>

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of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:
</p>

<dl>
 <dt></dt>
  <dd>
    a)
    You must cause the modified files to carry prominent notices
    stating that you changed the files and the date of any change.
   </dd>
 <dt></dt>
  <dd>
    b)
    You must cause any work that you distribute or publish, that in
    whole or in part contains or is derived from the Program or any
    part thereof, to be licensed as a whole at no charge to all third
    parties under the terms of this License.
   </dd>
 <dt></dt>
  <dd>
    c)
    If the modified program normally reads commands interactively
    when run, you must cause it, when started running for such
    interactive use in the most ordinary way, to print or display an
    announcement including an appropriate copyright notice and a
    notice that there is no warranty (or else, saying that you provide
    a warranty) and that users may redistribute the program under
    these conditions, and telling the user how to view a copy of this
    License. (Exception: if the Program itself is interactive but
    does not normally print such an announcement, your work based on
    the Program is not required to print an announcement.)
   </dd>
</dl>

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on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.
</p>

<p>
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your rights to work written entirely by you; rather, the intent is to
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collective works based on the Program.
</p>

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the scope of this License.
</p>

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</p>

<!-- we use this doubled UL to get the sub-sections indented, -->
<!-- while making the bullets as unobvious as possible. -->

<dl>
 <dt></dt>
  <dd>
    a)
    Accompany it with the complete corresponding machine-readable
    source code, which must be distributed under the terms of Sections
    1 and 2 above on a medium customarily used for software interchange; or,
  </dd>
 <dt></dt>
  <dd>
    b)
    Accompany it with a written offer, valid for at least three
    years, to give any third party, for a charge no more than your
    cost of physically performing source distribution, a complete
    machine-readable copy of the corresponding source code, to be
    distributed under the terms of Sections 1 and 2 above on a medium
    customarily used for software interchange; or,
  </dd>
 <dt></dt>
  <dd>
    c)
    Accompany it with the information you received as to the offer
    to distribute corresponding source code. (This alternative is

allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)
    </dd>
</dl>

<p>
The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
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</p>

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</p>

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```
</p>

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</p>

<p>
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</p>
```

<p>

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</p>

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</p>

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```
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</p>

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</p>

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to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.
</p>

<pre>
<var>one line to give the program's name and an idea of what it does.</var>
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```

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</pre>

<p>
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</p>

<p>
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</p>

<pre>
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type `show w'. This is free software, and you are welcome
to redistribute it under certain conditions; type `show c'
for details.
</pre>

<p>
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</p>

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</p>

<pre>
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<var>signature of Ty Coon</var>, 1 April 1989
Ty Coon, President of Vice
</pre>

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All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

```
<!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/568" />
<meta name="Generator" content="Drupal 7 (http://drupal.org)" />
<link rel="canonical" href="/licenses/BSD-3-Clause" />
```

```
<meta name="MobileOptimized" content="width" />
 <title>The 3-Clause BSD License | 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_lPgCuu6wEwSDhUquxUkHLI7QnU.css"
media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_MnXiytJtb186Ydycnpwpw34cuUsHaKc80ey5LiQXhSY.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?ovik2y" 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_V1ZuwJK9uzfm6fFffOcHHubfxnimoxnbgG58pvTQdpY.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_SkyFlN3f2BnQwnusF-
eI6tkX8wrKAk2siiZU.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
jQuery.extend(Drupal.settings,
{"basePath":"\/","pathPrefix":"","ajaxPageState":{"theme":"bootstrap_business","theme_token":"RTPZ5j_JjXkzUsl
Xoha-0PZHuMxuJqVW-YTVUGpyd9k","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\/BSD-3-
Clause":true},"superfish":{"1":{"id":"1","sf":{"animation":{"opacity":"show","height":"show"},"speed":"\u0027fast
\u0027","autoArrows":false,"dropShadows":true,"disableHI":false},"plugins":{"touchscreen":{"mode":"window_wi
dth"},"smallscreen":{"mode":"window_width","addSelected":false,"menuClasses":false,"hyperlinkClasses":false,"ti
tle":"Navigation"},"supposition":true,"bgiframe":false,"supersubs":{"minWidth":"12","maxWidth":"27","extraWidt
h":1}}}}});
//--><!]]>
</script>
</head>
<body class="html not-front not-logged-in no-sidebars page-node page-node- page-node-568 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>
          </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/BSD-3-Clause" 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-
60qz0NT1ILjLHdyR92OnuBPjsCJ16vQNtQwwtC1vu-c" />
<input type="hidden" name="form_id" value="search_block_form" />
</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"> <img
src="https://opensource.org/files/osi_keyhole_300X300_90ppi_0.png" alt="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>
     <!-- EOF: #header-inside -->

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

```html
<!-- #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&#039;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 explaitionations 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
<li id="menu-72-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Licenses by Name
<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">License Review Process
<li id="menu-67-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Licence Proliferation
<li id="menu-69-1" class="last even sf-item-2 sf-depth-3 sf-no-children">LP report to the Board
<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">Open Standards
<li id="menu-101-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">The Open Standards Requirement
<li id="menu-102-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Open Standards Requirement Compliance
<li id="menu-100-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Open Standards Requirement Rationale
<li id="menu-103-1" class="last even sf-item-4 sf-depth-3 sf-no-children">OSR Frequently Asked Questions
<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">Membership
<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">Individuals
<li id="menu-897-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children">Join
<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">Affiliates
<li id="menu-676-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Become an Affiliate
<li id="menu-677-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">List of Affiliates
<li id="menu-2071-1" class="last odd sf-item-3 sf-depth-3 sf-no-children">Affiliate Criteria
<li id="menu-1436-1" class="last odd sf-item-3 sf-depth-2 sf-no-children">Sponsors & Support
<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">Community
<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">Mailing lists
<li id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">General Code of Conduct
<li id="menu-1072-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Licensing Code of Conduct
<li id="menu-2111-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Disclaimer for OSI Public Forums
<li id="menu-2110-1" class="last even sf-item-4 sf-depth-3 sf-no-children">Policy on Public Communications and Archives
<li id="menu-2032-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Volunteers
<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
<li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children">OSI Store
<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">Resources
<li id="menu-342-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">FAQ
<li id="menu-38-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">OSI Board Blog
<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">Getting Help
<li id="menu-76-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Bibliography
<li id="menu-125-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Open Source Case for Business
<li id="menu-1514-1" class="middle even sf-item-4 sf-depth-2 sf-no-children">Working Groups
<li id="menu-12-1" class="last odd sf-item-5 sf-depth-2 sf-no-children">Open Source Education
<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">News & Events
<li id="menu-1845-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">Newsletters
<li id="menu-1999-1" class="last even sf-item-2 sf-depth-2 sf-no-children">Events </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">

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

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



        <!-- EOF:#content-wrapper -->
        <div id="content-wrapper">


                                <h1 class="page-title">The 3-Clause BSD License</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-568" 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"><p style="font-weight:bold">
SPDX short identifier: BSD-3-Clause
</p>

<div align="right">
<button onclick="myFunction()">Further resources on the <b>3-clause BSD license</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 = "
<p>The following are other community resources that may be helpful:

<a href=https://tldrlegal.com/license/bsd-3-clause-license-%28revised%29 style='font-weight: bold;'>The 3-clause BSD license on TLDRLegal
<a href=http://www.gnu.org/licenses/license-list.en.html>GNU License List
<a href=https://en.wikipedia.org/wiki/Comparison_of_free_and_open-source_software_licenses>Wikipedia License List
<a href=http://oss-watch.ac.uk/apps/licdiff/>OSSWatch License Diff
<a href=choosealicense.com>Choosealicense";

  } else {

    x = " ";

  }

  document.getElementById("demo").innerHTML = x;

}

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

  <p>Note: This license has also been called the "New BSD License" or "Modified BSD License". See also the 2-clause BSD License.</p>

  <p>Copyright <YEAR> <COPYRIGHT HOLDER>
</p>

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IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p>
 </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;">

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<a href="https://twitter.com/OpenSourceOrg" style="margin: 0pt auto; display: table-cell; text-align: center;
vertical-align: middle;"><img src="/files/twitterlogo.png" width="50" 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;"><img src="/files/google.png" width="50" 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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<a href="http://wiki.opensource.org" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align:
middle;"><img src="/files/xwikilogo.png" width="50" style="margin: 0pt auto; display: table-cell; text-align:
center; vertical-align: middle;" /></a>

<a href="http://creativecommons.org/licenses/by/4.0/" style="margin: 0pt auto; display: table-cell; text-align:
center; vertical-align: middle;"><img src="/files/ccby.png" width="50" style="margin: 0pt auto; display: table-cell;
text-align: center; vertical-align: middle;" /></a>

<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>

<br /><div class="license" style="vertical-align: middle; display: inline-block;">
<p>
Opensource.org site content is licensed under a <a rel="license"
href="http://creativecommons.org/licenses/by/4.0/">Creative Commons Attribution 4.0 International License</a>.
</p>
<p>
<a href="../ToS">Terms of Service</a>
</p>
</div>
 </div>
</div>
<div id="block-block-7" class="block block-block clearfix">


 <div class="content">
   <script src="https://www.google-analytics.com/urchin.js" type="text/javascript">
<!--//--><![CDATA[// ><!--
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//--><!]]>
</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>
<html>
<head>
<META http-equiv="Content-Type" content="text/html; charset=utf-8">
<meta http-equiv="Content-Type" content="text/html;charset=utf-8">
<link rel="stylesheet" type="text/css" href="licenses.css">
</head>
<body>
<h2>Wildfly Core 3.0.8.Final</h2>
<p>The following material has been provided for informational purposes only, and should not be relied upon or
construed as a legal opinion or legal advice.</p>
<table>
<tr>
<th>Package Group</th><th>Package Artifact</th><th>Package Version</th><th>Remote
Licenses</th><th>Local Licenses</th>
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<tr>
<td>com.fasterxml.woodstox</td><td>woodstox-core</td><td>5.0.3</td><td><a
href="http://www.apache.org/licenses/LICENSE-2.0.txt">The Apache License, Version 2.0</a>
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</td><td><a href="the bsd license.txt">the bsd license.txt</a>
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href="http://www.apache.org/licenses/LICENSE-2.0.txt">The Apache Software License, Version 2.0</a>
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<a href="http://www.bearcave.com/software/java/xml/xmlpull_license.html">Indiana University Extreme! Lab
Software License 1.1.1</a>
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<td>org.jboss.remoting</td><td>jboss-remoting</td><td>5.0.5.Final</td><td><a
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<td>org.jboss.remotingjmx</td><td>remoting-jmx</td><td>3.0.0.Final</td><td><a
href="http://www.gnu.org/licenses/lgpl-2.1.html">GNU Lesser General Public License v2.1 or later</a>
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<td>org.jboss.slf4j</td><td>slf4j-jboss-logmanager</td><td>1.0.3.GA</td><td><a
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href="http://repository.jboss.org/licenses/cddl.txt">Common Development and Distribution License

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<td>org.jboss.spec.javax.security.jacc</td><td>jboss-jacc-api_1.5_spec</td><td>1.0.1.Final</td><td>Common Development and Distribution License

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<tr>
<td>org.projectodd.vdx</td><td>vdx-core</td><td>1.1.6</td><td><a
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<td>org.projectodd.vdx</td><td>vdx-wildfly</td><td>1.1.6</td><td><a
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<td>org.slf4j</td><td>slf4j-api</td><td>1.7.22</td><td><a href="http://www.opensource.org/licenses/mit-license.php">MIT License</a>
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<tr>
<td>org.wildfly.client</td><td>wildfly-client-config</td><td>1.0.0.Final</td><td><a
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```
table {
  border-collapse: collapse;
}

table, th, td {
  border: 1px solid navy;
}

th {
  text-align: left;
  background-color: #BCC6CC;

}

th, td {
  padding: 2px;
  text-align: left;
}

tr:nth-child(even) {
  background-color: #f2f2f2;
}
<!doctype html>
<html>
<head>
 <title>jsoup License</title>
 <meta name="keywords" content="license, open source, mit">
```

```
<meta name="description" content="jsoup is licensed under the MIT open source license">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link type="text/css" rel="stylesheet" href="/rez/style.css">
<script>
(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){
(i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o),
m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m)
})(window,document,'script','//www.google-analytics.com/analytics.js','ga');

ga('create', 'UA-89734-10', 'auto');
ga('send', 'pageview');

</script>
</head>
<body class="n1-">
 <div class="wrap">
  <div class="header">
   <div class="nav-sections">
    <ul>
     <li class="n1-home"><h4><a href="/">jsoup</a></h4></li>
     <li class="n1-news"><a href="/news/">News</a></li>
     <li class="n1-bugs"><a href="/bugs">Bugs</a></li>
     <li class="n1-discussion"><a href="/discussion">Discussion</a></li>
     <li class="n1-download"><a href="/download">Download</a></li>
     <li class="n1-api"><a href="/apidocs/">API Reference</a></li>
     <li class="n1-cookbook"><a href="/cookbook/">Cookbook</a></li>
     <li class="n1-try"><a href="//try.jsoup.org/">Try jsoup</a></li>
    </ul>
   </div>
  </div>
  <div class="breadcrumb">
   <a href="/">jsoup</a>
   <span class="seperator">&raquo;</span> jsoup License
  </div>
  <div class="content">
   <div class="col1">
    <h1>jsoup License</h1>
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</div>
<!-- /col1 -->
<div class="col2">
</div>
<!-- /col2 -->
</div>
<!-- /content-->
<div class="footer">
jsoup HTML parser © 2009 - 2016
Jonathan Hedley
</div>
</div>
<!-- /wrap -->
<script src="/rez/prettify.js"></script>
<script>prettyPrint();</script>
</body>
</html>

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1.8 kong 0.11.0

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