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1.31 aspectjrt 1.8.7

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```

1.36 automaton 1.11-8

1.37 aws-java-sdk 1.11.274

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*/  
package com.amazonaws.services.glacier.model;  
  
import javax.annotation.Generated;  
  
/**  
*  
*/  
@Generated("com.amazonaws:aws-java-sdk-code-generator")  
public enum Permission {  
  
    FULL_CONTROL("FULL_CONTROL"),  
    WRITE("WRITE"),  
    WRITE_ACP("WRITE_ACP"),  
    READ("READ"),  
    READ_ACP("READ_ACP");  
  
    private String value;
```



```

private Permission(String value) {
    this.value = value;
}

@Override
public String toString() {
    return this.value;
}

/**
 * Use this in place of valueOf.
 *
 * @param value
 *     real value
 * @return Permission corresponding to the value
 *
 * @throws IllegalArgumentException
 *     If the specified value does not map to one of the known values in this enum.
 */
public static Permission fromValue(String value) {
    if (value == null || "".equals(value)) {
        throw new IllegalArgumentException("Value cannot be null or empty!");
    }

    for (Permission enumEntry : Permission.values()) {
        if (enumEntry.toString().equals(value)) {
            return enumEntry;
        }
    }

    throw new IllegalArgumentException("Cannot create enum from " + value + " value!");
}
}

```

AWS SDK for Java

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 */
package com.amazonaws.services.shield.model;

```

```

import java.io.Serializable;
import javax.annotation.Generated;
import com.amazonaws.protocol.StructuredPojo;
import com.amazonaws.protocol.ProtocolMarshaller;

```

```

/**
 * <p>
 * A contributor to the attack and their contribution.
 * </p>
 *
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/shield-2016-06-02/Contributor" target="_top">AWS
 * API
 * Documentation</a>
 */
@Generated("com.amazonaws:aws-java-sdk-code-generator")
public class Contributor implements Serializable, Cloneable, StructuredPojo {

```

```

/**
 * <p>
 * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
 * the
 * <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
 * could be
 * <code>United States</code>.
 * </p>
 */
private String name;
/**
 * <p>
 * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
 * </p>

```

```

*/
private Long value;

/**
 * <p>
 * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the
 * <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
 * <code>United States</code>.
 * </p>
 *
 * @param name
 * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For
example,
 * if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
<code>Name</code> could
 * be <code>United States</code>.
 */

public void setName(String name) {
    this.name = name;
}

/**
 * <p>
 * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the
 * <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
 * <code>United States</code>.
 * </p>
 *
 * @return The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For
example,
 * if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
<code>Name</code> could
 * be <code>United States</code>.
 */

public String getName() {
    return this.name;
}

/**
 * <p>
 * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the

```

```

    * <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
    * <code>United States</code>.
    * </p>
    *
    * @param name
    *     The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For
example,
    *     if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
<code>Name</code> could
    *     be <code>United States</code>.
    * @return Returns a reference to this object so that method calls can be chained together.
    */

```

```

public Contributor withName(String name) {
    setName(name);
    return this;
}

/**
 * <p>
 * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
 * </p>
 *
 * @param value
 *     The contribution of this contributor expressed in <a>Protection</a> units. For example
<code>10,000</code>
 *     .
 *
 */

public void setValue(Long value) {
    this.value = value;
}

/**
 * <p>
 * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
 * </p>
 *
 * @return The contribution of this contributor expressed in <a>Protection</a> units. For example
 *     <code>10,000</code>.
 *
 */

public Long getValue() {
    return this.value;
}

/**

```

```

* <p>
* The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
* </p>
*
* @param value
*     The contribution of this contributor expressed in <a>Protection</a> units. For example
<code>10,000</code>
*
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Contributor withValue(Long value) {
    setValue(value);
    return this;
}

/**
 * Returns a string representation of this object; useful for testing and debugging.
 *
 * @return A string representation of this object.
 *
 * @see java.lang.Object#toString()
 */
@Override
public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("{");
    if (getName() != null)
        sb.append("Name: ").append(getName()).append(",");
    if (getValue() != null)
        sb.append("Value: ").append(getValue());
    sb.append("}");
    return sb.toString();
}

@Override
public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null)
        return false;

    if (obj instanceof Contributor == false)
        return false;
    Contributor other = (Contributor) obj;
    if (other.getName() == null ^ this.getName() == null)
        return false;
    if (other.getName() != null && other.getName().equals(this.getName()) == false)

```

```

        return false;
    if (other.getValue() == null ^ this.getValue() == null)
        return false;
    if (other.getValue() != null && other.getValue().equals(this.getValue()) == false)
        return false;
    return true;
}

@Override
public int hashCode() {
    final int prime = 31;
    int hashCode = 1;

    hashCode = prime * hashCode + ((getName() == null) ? 0 : getName().hashCode());
    hashCode = prime * hashCode + ((getValue() == null) ? 0 : getValue().hashCode());
    return hashCode;
}

@Override
public Contributor clone() {
    try {
        return (Contributor) super.clone();
    } catch (CloneNotSupportedException e) {
        throw new IllegalStateException("Got a CloneNotSupportedException from Object.clone() " + "even though
we're Cloneable!", e);
    }
}

@com.amazonaws.annotation.SdkInternalApi
@Override
public void marshall(ProtocolMarshaller protocolMarshaller) {
    com.amazonaws.services.shield.model.transform.ContributorMarshaller.getInstance().marshall(this,
protocolMarshaller);
}
}

```

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Version 2.0, January 2004

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*/

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

```
import javax.annotation.Generated;
```

```
/**
```

```
* Type of permissions a function could have to access a resource.
```

```
*/
```

```
@Generated("com.amazonaws:aws-java-sdk-code-generator")
```

```
public enum Permission {
```

```
    Ro("ro"),
```

```
    Rw("rw");
```

```
    private String value;
```

```
    private Permission(String value) {
```

```
        this.value = value;
```

```
    }
```

```
    @Override
```

```

public String toString() {
    return this.value;
}

/**
 * Use this in place of valueOf.
 *
 * @param value
 *      real value
 * @return Permission corresponding to the value
 *
 * @throws IllegalArgumentException
 *      If the specified value does not map to one of the known values in this enum.
 */
public static Permission fromValue(String value) {
    if (value == null || "".equals(value)) {
        throw new IllegalArgumentException("Value cannot be null or empty!");
    }

    for (Permission enumEntry : Permission.values()) {
        if (enumEntry.toString().equals(value)) {
            return enumEntry;
        }
    }

    throw new IllegalArgumentException("Cannot create enum from " + value + " value!");
}
}
/**
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 */
package com.amazonaws.services.opsworks.model;

import java.io.Serializable;
import javax.annotation.Generated;
import com.amazonaws.protocol.StructuredPojo;

```

```

import com.amazonaws.protocol.ProtocolMarshaller;

/**
 * <p>
 * Describes stack or user permissions.
 * </p>
 *
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/opsworks-2013-02-18/Permission"
target="_top">AWS API
 * Documentation</a>
 */
@Generated("com.amazonaws:aws-java-sdk-code-generator")
public class Permission implements Serializable, Cloneable, StructuredPojo {

    /**
     * <p>
     * A stack ID.
     * </p>
     */
    private String stackId;

    /**
     * <p>
     * The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about
     * IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
     * Identifiers</a>.
     * </p>
     */
    private String iamUserArn;

    /**
     * <p>
     * Whether the user can use SSH.
     * </p>
     */
    private Boolean allowSsh;

    /**
     * <p>
     * Whether the user can use <b>sudo</b>.
     * </p>
     */
    private Boolean allowSudo;

    /**
     * <p>
     * The user's permission level, which must be the following:
     * </p>
     * <ul>
     * <li>
     * </li>
     * </ul>
     * <p>

```

```

* <code>deny</code>
* </p>
* </li>
* <li>
* <p>
* <code>show</code>
* </p>
* </li>
* <li>
* <p>
* <code>deploy</code>
* </p>
* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
* Permissions</a>
* </p>
*/
private String level;

/**
* <p>
* A stack ID.
* </p>
*
* @param stackId
*     A stack ID.
*/

public void setStackId(String stackId) {
    this.stackId = stackId;
}

/**
* <p>
* A stack ID.

```

```

* </p>
*
* @return A stack ID.
*/

public String getStackId() {
    return this.stackId;
}

/**
* <p>
* A stack ID.
* </p>
*
* @param stackId
*     A stack ID.
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Permission withStackId(String stackId) {
    setStackId(stackId);
    return this;
}

/**
* <p>
* The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about
* IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
* Identifiers</a>.
* </p>
*
* @param iamUserArn
*     The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information
*     about IAM ARNs, see <a
href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
*     Identifiers</a>.
*/

public void setIamUserArn(String iamUserArn) {
    this.iamUserArn = iamUserArn;
}

/**
* <p>
* The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about

```

```

* IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
* Identifiers</a>.
* </p>
*
* @return The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For
more information
*   about IAM ARNs, see <a
*     href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using Identifiers</a>.
*/

public String getIamUserArn() {
    return this.iamUserArn;
}

/**
* <p>
* The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about
* IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
* Identifiers</a>.
* </p>
*
* @param iamUserArn
*   The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information
*   about IAM ARNs, see <a
href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
*   Identifiers</a>.
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Permission withIamUserArn(String iamUserArn) {
    setIamUserArn(iamUserArn);
    return this;
}

/**
* <p>
* Whether the user can use SSH.
* </p>
*
* @param allowSsh
*   Whether the user can use SSH.
*/

public void setAllowSsh(Boolean allowSsh) {
    this.allowSsh = allowSsh;
}

```

```

/**
 * <p>
 * Whether the user can use SSH.
 * </p>
 *
 * @return Whether the user can use SSH.
 */

public Boolean getAllowSsh() {
    return this.allowSsh;
}

/**
 * <p>
 * Whether the user can use SSH.
 * </p>
 *
 * @param allowSsh
 *     Whether the user can use SSH.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Permission withAllowSsh(Boolean allowSsh) {
    setAllowSsh(allowSsh);
    return this;
}

/**
 * <p>
 * Whether the user can use SSH.
 * </p>
 *
 * @return Whether the user can use SSH.
 */

public Boolean isAllowSsh() {
    return this.allowSsh;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @param allowSudo
 *     Whether the user can use <b>sudo</b>.
 */

```

```

public void setAllowSudo(Boolean allowSudo) {
    this.allowSudo = allowSudo;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @return Whether the user can use <b>sudo</b>.
 */

public Boolean getAllowSudo() {
    return this.allowSudo;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @param allowSudo
 *     Whether the user can use <b>sudo</b>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Permission withAllowSudo(Boolean allowSudo) {
    setAllowSudo(allowSudo);
    return this;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @return Whether the user can use <b>sudo</b>.
 */

public Boolean isAllowSudo() {
    return this.allowSudo;
}

/**
 * <p>
 * The user's permission level, which must be the following:
 * </p>

```



```

* <ul>
* <li>
* <p>
* <code>deny</code>
* </p>
* </li>
* <li>
* <p>
* <code>show</code>
* </p>
* </li>
* <li>
* <p>
* <code>deploy</code>
* </p>
* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
* Permissions</a>
* </p>
*
* @param level
*   The user's permission level, which must be the following:<p>
*   <ul>
*   <li>
*   <p>
*   <code>deny</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>show</code>
*   </p>
*   </li>
*   <li>
*   <p>

```

```

*   <code>deploy</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>manage</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>iam_only</code>
*   </p>
*   </li>
*   </ul>
*   <p>
*   For more information on the permissions associated with these levels, see <a
*   href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing
User
*   Permissions</a>
*/

```

```

public void setLevel(String level) {
    this.level = level;
}

```

```

/**
 * <p>
 * The user's permission level, which must be the following:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>deny</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>show</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>deploy</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>manage</code>

```

```

* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
* Permissions</a>
* </p>
*
* @return The user's permission level, which must be the following:</p>
*   <ul>
*     <li>
*       <p>
*         <code>deny</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>show</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>deploy</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>manage</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>iam_only</code>
*       </p>
*     </li>
*   </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing
User
* Permissions</a>
*/

```

```

public String getLevel() {
    return this.level;
}

/**
 * <p>
 * The user's permission level, which must be the following:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>deny</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>show</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>deploy</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>manage</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>iam_only</code>
 * </p>
 * </li>
 * </ul>
 * <p>
 * For more information on the permissions associated with these levels, see <a
 * href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
 * Permissions</a>
 * </p>
 *
 * @param level
 * The user's permission level, which must be the following:</p>
 * <ul>
 * <li>
 * <p>
 * <code>deny</code>

```

```

* </p>
* </li>
* <li>
* <p>
* <code>show</code>
* </p>
* </li>
* <li>
* <p>
* <code>deploy</code>
* </p>
* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing
User
* Permissions</a>
* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

public Permission withLevel(String level) {
    setLevel(level);
    return this;
}

```

```

/**
 * Returns a string representation of this object; useful for testing and debugging.
 *
 * @return A string representation of this object.
 *
 * @see java.lang.Object#toString()
 */

```

@Override

```

public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("{}");
    if (getStackId() != null)

```

```

        sb.append("StackId: ").append(getStackId()).append(",");
    if (getIamUserArn() != null)
        sb.append("IamUserArn: ").append(getIamUserArn()).append(",");
    if (getAllowSsh() != null)
        sb.append("AllowSsh: ").append(getAllowSsh()).append(",");
    if (getAllowSudo() != null)
        sb.append("AllowSudo: ").append(getAllowSudo()).append(",");
    if (getLevel() != null)
        sb.append("Level: ").append(getLevel());
    sb.append("}");
    return sb.toString();
}

```

@Override

```

public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null)
        return false;

    if (obj instanceof Permission == false)
        return false;
    Permission other = (Permission) obj;
    if (other.getStackId() == null ^ this.getStackId() == null)
        return false;
    if (other.getStackId() != null && other.getStackId().equals(this.getStackId()) == false)
        return false;
    if (other.getIamUserArn() == null ^ this.getIamUserArn() == null)
        return false;
    if (other.getIamUserArn() != null && other.getIamUserArn().equals(this.getIamUserArn()) == false)
        return false;
    if (other.getAllowSsh() == null ^ this.getAllowSsh() == null)
        return false;
    if (other.getAllowSsh() != null && other.getAllowSsh().equals(this.getAllowSsh()) == false)
        return false;
    if (other.getAllowSudo() == null ^ this.getAllowSudo() == null)
        return false;
    if (other.getAllowSudo() != null && other.getAllowSudo().equals(this.getAllowSudo()) == false)
        return false;
    if (other.getLevel() == null ^ this.getLevel() == null)
        return false;
    if (other.getLevel() != null && other.getLevel().equals(this.getLevel()) == false)
        return false;
    return true;
}

```

@Override

```

public int hashCode() {

```

```

final int prime = 31;
int hashCode = 1;

hashCode = prime * hashCode + ((getStackId() == null) ? 0 : getStackId().hashCode());
hashCode = prime * hashCode + ((getIamUserArn() == null) ? 0 : getIamUserArn().hashCode());
hashCode = prime * hashCode + ((getAllowSsh() == null) ? 0 : getAllowSsh().hashCode());
hashCode = prime * hashCode + ((getAllowSudo() == null) ? 0 : getAllowSudo().hashCode());
hashCode = prime * hashCode + ((getLevel() == null) ? 0 : getLevel().hashCode());
return hashCode;
}

@Override
public Permission clone() {
    try {
        return (Permission) super.clone();
    } catch (CloneNotSupportedException e) {
        throw new IllegalStateException("Got a CloneNotSupportedException from Object.clone() " + "even though
we're Cloneable!", e);
    }
}

@com.amazonaws.annotation.SdkInternalApi
@Override
public void marshall(ProtocolMarshaller protocolMarshaller) {
    com.amazonaws.services.opsworks.model.transform.PermissionMarshaller.getInstance().marshall(this,
protocolMarshaller);
}
}
/*
 * Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
 */
package com.amazonaws.services.s3.model;

/**
 * Specifies constants defining an access permission,
 * as granted to grantees in an
 * {@link AccessControlList}. Only a limited set of permission are available;

```

* each one is represented as a value in this enumeration.

*/

```
public enum Permission {
```

```
/**
```

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

```
 * <p>
```

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

```
 * </p>
```

```
*/
```

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

```
/**
```

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

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

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

```
*/
```

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

```
/**
```

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

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

```
 * <p>
```

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

```
 * </p>
```

```
*/
```

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

```
/**
```

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

```
 * <p>
```

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

```
 * </p>
```

```
*/
```

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

```
/**
```

```
 * Gives permission to overwrite the ACP for the applicable bucket or
```

```
 * object.
```

```
 * <p>
```

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

```
 * </p>
```

```
 * <p>
```

```
 * Granting this permission is equivalent to granting FULL_CONTROL because
```

```
 * the grant recipient can make any changes to the ACP.
```

```
 * </p>
```

```
*/
```



```

WriteAcp("WRITE_ACP", "x-amz-grant-write-acp");

private String permissionString;
private String headerName;

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

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

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

/**
 * Returns the {@link Permission} enumeration value representing the specified Amazon
 * S3 Region ID string. If specified string doesn't map to a known Amazon S3
 * Region, returns <code>null</code>.
 *
 * @param str
 *        A string representation of an Amazon S3 permission, eg.
 *        <code>FULL_CONTROL</code>
 *
 * @return The {@link Permission} object represented by the given permission string,
 *         Returns <code>null</code> if the string isn't a valid representation
 *         of an Amazon S3
 *         permission.
 */
public static Permission parsePermission(String str) {
    for (Permission permission : Permission.values()) {
        if (permission.permissionString.equals(str)) {
            return permission;
        }
    }
}

```

```

        return null;
    }

}

/*
 * Copyright 2013-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance
 * with
 * the License. A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT
 * WARRANTIES OR
 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
 * permissions
 * and limitations under the License.
 */
package com.amazonaws.services.elastictranscoder.model;

import java.io.Serializable;
import javax.annotation.Generated;
import com.amazonaws.protocol.StructuredPojo;
import com.amazonaws.protocol.ProtocolMarshaller;

/**
 * <p>
 * The <code>Permission</code> structure.
 * </p>
 */
@Generated("com.amazonaws:aws-java-sdk-code-generator")
public class Permission implements Serializable, Cloneable, StructuredPojo {

    /**
     * <p>
     * The type of value that appears in the Grantee object:
     * </p>
     * <ul>
     * <li>
     * <p>
     * <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
     * Amazon CloudFront distribution.
     * </p>
     * <important>
     * <p>
     * A canonical user ID is not the same as an AWS account number.

```

```

* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
* </ul>
*/
private String granteeType;
/**
* <p>
* The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
* group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
* distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
* </p>
*/
private String grantee;
/**
* <p>
* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
* </p>
* <ul>
* <li>
* <p>
* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
* to the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds
to the
* Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to
the
* Amazon S3 bucket.

```

```

* </p>
* </li>
* <li>
* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for
the thumbnails that
* Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
* </ul>
*/
private com.amazonaws.internal.SdkInternalList<String> access;

/**
* <p>
* The type of value that appears in the Grantee object:
* </p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
* Amazon CloudFront distribution.
* </p>
* <important>
* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
* </ul>
*
* @param granteeType
* The type of value that appears in the Grantee object:</p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for
* an Amazon CloudFront distribution.

```

```

* </p>
* <important>
* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
*/

```

```

public void setGranteeType(String granteeType) {
    this.granteeType = granteeType;
}

```

```

/**
* <p>
* The type of value that appears in the Grantee object:
* </p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
* Amazon CloudFront distribution.
* </p>
* <important>
* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>

```

```

* </li>
* </ul>
*
* @return The type of value that appears in the Grantee object:</p>
*   <ul>
*     <li>
*       <p>
*         <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for
*         an Amazon CloudFront distribution.
*       </p>
*       <important>
*       <p>
*         A canonical user ID is not the same as an AWS account number.
*       </p>
*     </important></li>
*     <li>
*       <p>
*         <code>Email</code>: The registered email address of an AWS account.
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
*         <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
*       </p>
*     </li>
*   </ul>
*/

```

```

public String getGranteeType() {
    return this.granteeType;
}

```

```

/**
* <p>
* The type of value that appears in the Grantee object:
* </p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
* Amazon CloudFront distribution.
* </p>
* <important>
* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>

```

```

* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
* </ul>
*
* @param granteeType
*     The type of value that appears in the Grantee object:</p>
*     <ul>
*     <li>
*     <p>
*     <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for
*     an Amazon CloudFront distribution.
*     </p>
*     <important>
*     <p>
*     A canonical user ID is not the same as an AWS account number.
*     </p>
*     </important></li>
*     <li>
*     <p>
*     <code>Email</code>: The registered email address of an AWS account.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
*     <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
*     </p>
*     </li>
* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

public Permission withGranteeType(String granteeType) {
    setGranteeType(granteeType);
    return this;
}

```

```

/**
* <p>
* The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
* group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront

```

```

* distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
* </p>
*
* @param grantee
*     The AWS user or group that you want to have access to transcoded files and playlists. To identify the user
*     or group, you can specify the canonical user ID for an AWS account, an origin access identity for a
*     CloudFront distribution, the registered email address of an AWS account, or a predefined Amazon S3
group.
*/

public void setGrantee(String grantee) {
    this.grantee = grantee;
}

/**
* <p>
* The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
* group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
* distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
* </p>
*
* @return The AWS user or group that you want to have access to transcoded files and playlists. To identify the
* user or group, you can specify the canonical user ID for an AWS account, an origin access identity for a
* CloudFront distribution, the registered email address of an AWS account, or a predefined Amazon S3
group.
*/

public String getGrantee() {
    return this.grantee;
}

/**
* <p>
* The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
* group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
* distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
* </p>
*
* @param grantee
*     The AWS user or group that you want to have access to transcoded files and playlists. To identify the user
*     or group, you can specify the canonical user ID for an AWS account, an origin access identity for a
*     CloudFront distribution, the registered email address of an AWS account, or a predefined Amazon S3
group.
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Permission withGrantee(String grantee) {
    setGrantee(grantee);
}

```



```

    return this;
}

/**
 * <p>
 * The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
 * to the Amazon S3 bucket.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds
to the
 * Amazon S3 bucket.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to
the
 * Amazon S3 bucket.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for
the thumbnails that
 * Elastic Transcoder adds to the Amazon S3 bucket.
 * </p>
 * </li>
 * </ul>
 *
 * @return The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds to the Amazon S3 bucket.
 * </p>
 * </li>
 * <li>

```

```

* <p>
* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder
adds to
* the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder
adds to
* the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
* that Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
*/

```

```

public java.util.List<String> getAccess() {
    if (access == null) {
        access = new com.amazonaws.internal.SdkInternalList<String>();
    }
    return access;
}

/**
* <p>
* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
* </p>
* <ul>
* <li>
* <p>
* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
* to the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds
to the
* Amazon S3 bucket.
* </p>
* </li>

```

- *
- * <p>
- * <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to the
- the
- * Amazon S3 bucket.
- * </p>
- *
- *
- * <p>
- * <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for the thumbnails that
- the thumbnails that
- * Elastic Transcoder adds to the Amazon S3 bucket.
- * </p>
- *
- *
- *
- * @param access
- * The permission that you want to give to the AWS user that is listed in Grantee. Valid values include: </p>
- *
- *
- * <p>
- * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
- Transcoder
- * adds to the Amazon S3 bucket.
- * </p>
- *
- *
- * <p>
- * <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder
- adds to
- * the Amazon S3 bucket.
- * </p>
- *
- *
- * <p>
- * <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder
- adds to
- * the Amazon S3 bucket.
- * </p>
- *
- *
- * <p>
- * <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
- for the thumbnails
- * that Elastic Transcoder adds to the Amazon S3 bucket.
- * </p>
- *
- */

```

public void setAccess(java.util.Collection<String> access) {
    if (access == null) {
        this.access = null;
        return;
    }

    this.access = new com.amazonaws.internal.SdkInternalList<String>(access);
}

/**
 * <p>
 * The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
 * to the Amazon S3 bucket.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds
to the
 * Amazon S3 bucket.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to
the
 * Amazon S3 bucket.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for
the thumbnails that
 * Elastic Transcoder adds to the Amazon S3 bucket.
 * </p>
 * </li>
 * </ul>
 * <p>
 * <b>NOTE:</b> This method appends the values to the existing list (if any). Use
 * { @link #setAccess(java.util.Collection) } or { @link #withAccess(java.util.Collection) } if you want to override
the

```

```

* existing values.
* </p>
*
* @param access
*     The permission that you want to give to the AWS user that is listed in Grantee. Valid values include: </p>
*     <ul>
*     <li>
*     <p>
*     <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder
*     adds to the Amazon S3 bucket.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder
adds to
*     the Amazon S3 bucket.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder
adds to
*     the Amazon S3 bucket.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
*     that Elastic Transcoder adds to the Amazon S3 bucket.
*     </p>
*     </li>
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Permission withAccess(String... access) {
    if (this.access == null) {
        setAccess(new com.amazonaws.internal.SdkInternalList<String>(access.length));
    }
    for (String ele : access) {
        this.access.add(ele);
    }
    return this;
}

/**

```

* <p>

* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:

* </p>

- *
- *

* <p>

* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic Transcoder adds

* to the Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds

to the

- * Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to

the

- * Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for

the thumbnails that

- * Elastic Transcoder adds to the Amazon S3 bucket.

* </p>

- *

*

*

* @param access

* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include: </p>

- *
- *

* <p>

* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic

Transcoder

- * adds to the Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder

adds to

```

*   the Amazon S3 bucket.
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder
adds to
*   the Amazon S3 bucket.
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
*   that Elastic Transcoder adds to the Amazon S3 bucket.
*   </p>
*   </li>
* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

public Permission withAccess(java.util.Collection<String> access) {
    setAccess(access);
    return this;
}

```

```

/**
 * Returns a string representation of this object; useful for testing and debugging.
 *
 * @return A string representation of this object.
 *
 * @see java.lang.Object#toString()
 */

```

```

@Override
public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("{}");
    if (getGranteeType() != null)
        sb.append("GranteeType: ").append(getGranteeType()).append(",");
    if (getGrantee() != null)
        sb.append("Grantee: ").append(getGrantee()).append(",");
    if (getAccess() != null)
        sb.append("Access: ").append(getAccess());
    sb.append("{}");
    return sb.toString();
}

```

```

@Override
public boolean equals(Object obj) {

```

```

    if (this == obj)
        return true;
    if (obj == null)
        return false;

    if (obj instanceof Permission == false)
        return false;
    Permission other = (Permission) obj;
    if (other.getGranteeType() == null ^ this.getGranteeType() == null)
        return false;
    if (other.getGranteeType() != null && other.getGranteeType().equals(this.getGranteeType()) == false)
        return false;
    if (other.getGrantee() == null ^ this.getGrantee() == null)
        return false;
    if (other.getGrantee() != null && other.getGrantee().equals(this.getGrantee()) == false)
        return false;
    if (other.getAccess() == null ^ this.getAccess() == null)
        return false;
    if (other.getAccess() != null && other.getAccess().equals(this.getAccess()) == false)
        return false;
    return true;
}

@Override
public int hashCode() {
    final int prime = 31;
    int hashCode = 1;

    hashCode = prime * hashCode + ((getGranteeType() == null) ? 0 : getGranteeType().hashCode());
    hashCode = prime * hashCode + ((getGrantee() == null) ? 0 : getGrantee().hashCode());
    hashCode = prime * hashCode + ((getAccess() == null) ? 0 : getAccess().hashCode());
    return hashCode;
}

@Override
public Permission clone() {
    try {
        return (Permission) super.clone();
    } catch (CloneNotSupportedException e) {
        throw new IllegalStateException("Got a CloneNotSupportedException from Object.clone() " + "even though
we're Cloneable!", e);
    }
}

@com.amazonaws.annotation.SdkInternalApi
@Override
public void marshall(ProtocolMarshaller protocolMarshaller) {
    com.amazonaws.services.elastictranscoder.model.transform.PermissionMarshaller.getInstance().marshall(this,

```



```
protocolMarshaller);  
    }  
}
```

1.38 azure 1.2.1

1.39 Azure Java SDK 1.2.1

1.39.1 Available under license :

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1.40 azure-annotations 1.2.0

1.41 azure-client-authentication 1.1.0

1.42 azure-client-runtime 1.1.0

1.43 azure-keyvault-core 0.8.0

1.44 azure-storage 5.2.0

1.45 azure-storage-4.0.0 4.0.0

1.46 batik-css 1.8

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resources and open source code" />
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<div id="header">
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  </div>
</div>

<div id="container">

  <div id="content">

    <div id="navigation">
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        <li><a href="index.html" class="nav">entry</a></li>
          <li><a href="wiki" class="nav">wiki</a></li>
          <li><a href="jira" class="nav">issue tracker</a></li>
        <li><a href="https://www.bouncycastle.org/donate/index.cgi" class="nav">donate</a></li>
        <li><a href="mailing_lists.html" class="nav">mailing lists</a></li>
        <li><a href="latest_releases.html" class="nav">latest releases</a></li>
        <li><a href="documentation.html" class="nav">documentation</a></li>
        <li><a href="resources.html" class="nav">resources</a></li>
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        <li><div style="color:#0000FF;font-weight:bold;">legal and licencing</div></li>
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1.55 Bouncy Castle Provider 1.51

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/**

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*/

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```
{
    public static String licenseText =
        "Copyright (c) 2000-2014 The Legion of the Bouncy Castle Inc. (http://www.bouncycastle.org) "
        + System.getProperty("line.separator")
        + System.getProperty("line.separator")
        + "Permission is hereby granted, free of charge, to any person obtaining a copy of this software "
        + System.getProperty("line.separator")
        + "and associated documentation files (the \"Software\"), to deal in the Software without restriction, "
        + System.getProperty("line.separator")
        + "including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, "
        + System.getProperty("line.separator")
        + "and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so,"
        + System.getProperty("line.separator")
        + "subject to the following conditions:"
        + System.getProperty("line.separator")
        + System.getProperty("line.separator")
        + "The above copyright notice and this permission notice shall be included in all copies or substantial"
        + System.getProperty("line.separator")
        + "portions of the Software."
        + System.getProperty("line.separator")
        + System.getProperty("line.separator")
        + "THE SOFTWARE IS PROVIDED \"AS IS\", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
        IMPLIED,"
        + System.getProperty("line.separator")
        + "INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A
        PARTICULAR"
        + System.getProperty("line.separator")
```

```

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HOLDERS BE"
+ System.getProperty("line.separator")
+ "LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF
CONTRACT, TORT OR"
+ System.getProperty("line.separator")
+ "OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE
OR OTHER"
+ System.getProperty("line.separator")
+ "DEALINGS IN THE SOFTWARE.";

```

```

public static void main(
    String[] args)
{
    System.out.println(licenseText);
}
}
<html>
<body bgcolor=#ffffff>

```

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</body>

</html>

1.56 bridge-method-annotation 1.13

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1.57 brkt-sdk-java-1.0 1.0

1.58 bson 3.4.2

1.59 bzip2 0.9.1

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1.60 c3p0 0.9.5.2

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1.72 ClassMate 1.3.4

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

Other developers who have contributed code are:

* Brian Langel

1.73 classmate 1.3.3

1.73.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">
```

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```
</head>

<body>
<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
  <div class="container">
    <div class="navbar-header">
      <button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
    </div>
    <div class="collapse navbar-collapse" id="mainnav-collapse">
      <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a href="/licenses/">Licenses</a></div>
      <ul class="nav navbar-nav navbar-right">
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation">Overview</a></li>
            <li><a href="/foundation/members.html">Members</a></li>
            <li><a href="/foundation/how-it-works.html">Process</a></li>
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/glossary.html">Glossary</a></li>
            <li><a href="/foundation/preFAQ.html">FAQ</a></li>
            <li><a href="/foundation/contact.html">Contact</a></li>
          </ul>
        </li>
        <li><a href="/index.html#projects-list">Projects</a></li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="http://people.apache.org/">Overview</a></li>
            <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
            <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
            <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
            <li><a href="http://planet.apache.org/">Planet Apache</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>
```



```

    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
      </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>
        <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
        <li><a href="/foundation/thanks.html">Thanks</a></li>
      </ul>
    </li>
  </ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
  <div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
      
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
      <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
        
      </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
      <div class="input-group" style="margin-bottom: 5px;">
        <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
  '//cse.google.com/cse.js?cx=' + cx;

```

```

var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
<gcse:searchbox-only></gcse:searchbox-only>
</div>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
<a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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<div class="codehilite"><pre>Copyright [yyyy] [name of copyright owner]

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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://community.apache.org/">Overview</a></li>
```

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
```

```
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
```

```
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
```

```
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
```

```
<li><a href="/travel/">Travel Assistance</a></li>
```

```
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
```

```
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
```

```
<li><a href="/memorials/">Memorials</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Innovation</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://incubator.apache.org/">Incubator</a></li>
```

```
<li><a href="http://labs.apache.org/">Labs</a></li>
```

```
<li><a href="/licenses/">Licensing</a></li>
```

```
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
```

```
<li><a href="/foundation/marks/">Trademark Policy</a></li>
```

```
<li><a href="/foundation/contact.html">Contacts</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Tech Operations</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/dev/">Developer Information</a></li>
    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
  </div>
</div>
```

```
</div>

</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>
```

1.74 client-runtime 1.1.0

1.75 codegen-0.6.8 0.6.8

1.76 coffee-rails 4.2.2

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* \$Header: \$

* \$Revision: 480424 \$

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1.86 commons-beanutils 1.9.3

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```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">
```

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```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<header>
```

```
<nav class="navbar navbar-default navbar-fixed-top">
```

```
<div class="container">
```

```
<div class="navbar-header">
```

```
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
```

```
<span class="sr-only">Toggle navigation</span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
```

```
</div>
```

```
<div class="collapse navbar-collapse" id="mainnav-collapse">
```

```
<div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&lt;a href="/licenses/">Licenses</a></div>
```

```
<ul class="nav navbar-nav navbar-right">
```

```
<li class="dropdown">
```

```
<a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
```

```
<ul class="dropdown-menu" role="menu">
```

```
<li><a href="/foundation">Overview</a></li>
```

```
<li><a href="/foundation/members.html">Members</a></li>
```

```
<li><a href="/foundation/how-it-works.html">Process</a></li>
```

```
<li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
```

```
<li><a href="/foundation/glossary.html">Glossary</a></li>
```

```
<li><a href="/foundation/preFAQ.html">FAQ</a></li>
```

```
<li><a href="/foundation/contact.html">Contact</a></li>
```

```
</ul>
```

```
</li>
```

```
<li><a href="/index.html#projects-list">Projects</a></li>
```

```
<li class="dropdown">
```

```
<a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
```

```
<ul class="dropdown-menu" role="menu">
```

```
<li><a href="http://people.apache.org/">Overview</a></li>
```

```
<li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
```

```
<li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
```

```
<li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
```

```
<li><a href="http://planet.apache.org/">Planet Apache</a></li>
```

```
</ul>
```

```
</li>
```

```
<li class="dropdown">
```

```
<a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span class="caret"></span></a>
```

```

        <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation/getinvolved.html">Overview</a></li>
            <li><a href="http://community.apache.org/">Community Development</a></li>
                <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
            <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
        </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
        <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
        <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/contributing.html">Donations</a></li>
            <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
            <li><a href="/foundation/thanks.html">Thanks</a></li>
        </ul>
    </li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
    <div class="row">
        <div class="col-md-6 col-sm-5 col-xs-12">
            
        </div>
        <div class="col-md-3 col-sm-3 col-xs-6">
            <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
                
            </a>
        </div>
        <div class="col-md-3 col-sm-4 col-xs-6">
            <div class="input-group" style="margin-bottom: 5px;">
                <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();

```

```

</script>
  <gcse:searchbox-only></gcse:searchbox-only>
</div>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
  <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://community.apache.org/">Overview</a></li>
```

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
```

```
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
```

```
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
```

```
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
```

```
<li><a href="/travel/">Travel Assistance</a></li>
```

```
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
```

```
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
```

```
<li><a href="/memorials/">Memorials</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Innovation</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://incubator.apache.org/">Incubator</a></li>
```

```
<li><a href="http://labs.apache.org/">Labs</a></li>
```

```
<li><a href="/licenses/">Licensing</a></li>
```

```
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
```

```
<li><a href="/foundation/marks/">Trademark Policy</a></li>
```

```
<li><a href="/foundation/contact.html">Contacts</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Tech Operations</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="/dev/">Developer Information</a></li>
```



```

    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-2">
<h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-2">
<h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-1">
</div>

</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
  </div>
</div>
</div>
</div>
</footer>

```

```
<!-- / Footer -->
```

```
<script src="/js/jquery-2.1.1.min.js"></script>
```

```
<script src="/js/bootstrap.js"></script>
```

```
</body>
```

```
</html>
```

1.87 commons-codec 1.6

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains
test data from <http://aspell.sourceforge.net/test/batch0.tab>.

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1.89 commons-codec 1.10

1.89.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">
```

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permissions and limitations under the License. -->

```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<header>
```

```
<nav class="navbar navbar-default navbar-fixed-top">
```

```
<div class="container">
```

```
<div class="navbar-header">
```

```
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
```

```
<span class="sr-only">Toggle navigation</span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
```

```
</div>
```

```
<div class="collapse navbar-collapse" id="mainnav-collapse">
```

```
<div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&lt;a href="/licenses/">Licenses</a></div>
```

```
<ul class="nav navbar-nav navbar-right">
```

```
<li class="dropdown">
```

```
<a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
```

```
<ul class="dropdown-menu" role="menu">
```

```
<li><a href="/foundation">Overview</a></li>
```

```
<li><a href="/foundation/members.html">Members</a></li>
```

```
<li><a href="/foundation/how-it-works.html">Process</a></li>
```

```
<li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
```

```
<li><a href="/foundation/glossary.html">Glossary</a></li>
```

```
<li><a href="/foundation/preFAQ.html">FAQ</a></li>
```

```
<li><a href="/foundation/contact.html">Contact</a></li>
```

```
</ul>
```

```
</li>
```

```
<li><a href="/index.html#projects-list">Projects</a></li>
```

```
<li class="dropdown">
```

```
<a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
```

```
<ul class="dropdown-menu" role="menu">
```

```
<li><a href="http://people.apache.org/">Overview</a></li>
```

```
<li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
```

```
<li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
```

```
<li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
```

```
<li><a href="http://planet.apache.org/">Planet Apache</a></li>
```

```
</ul>
```

```
</li>
```

```
<li class="dropdown">
```

```
<a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span class="caret"></span></a>
```

```

        <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation/getinvolved.html">Overview</a></li>
            <li><a href="http://community.apache.org/">Community Development</a></li>
                <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
            <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
        </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
        <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
        <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/contributing.html">Donations</a></li>
            <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
            <li><a href="/foundation/thanks.html">Thanks</a></li>
        </ul>
    </li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
        
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
        <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
            
        </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
        <div class="input-group" style="margin-bottom: 5px;">
            <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();

```

```

</script>
  <gcse:searchbox-only></gcse:searchbox-only>
</div>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
  <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://community.apache.org/">Overview</a></li>
```

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
```

```
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
```

```
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
```

```
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
```

```
<li><a href="/travel/">Travel Assistance</a></li>
```

```
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
```

```
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
```

```
<li><a href="/memorials/">Memorials</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Innovation</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://incubator.apache.org/">Incubator</a></li>
```

```
<li><a href="http://labs.apache.org/">Labs</a></li>
```

```
<li><a href="/licenses/">Licensing</a></li>
```

```
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
```

```
<li><a href="/foundation/marks/">Trademark Policy</a></li>
```

```
<li><a href="/foundation/contact.html">Contacts</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Tech Operations</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="/dev/">Developer Information</a></li>
```

```

    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-2">
<h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-2">
<h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-1">
</div>

</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
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    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
  </div>
</div>
</div>
</div>
</footer>

```

```
<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>
```

1.90 commons-collections 3.2.2

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1.107 cxf-core 3.0.12

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 */
```

```
package org.apache.cxf.io;
```

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

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

```
public interface CopyingOutputStream {

    int copyFrom(InputStream in) throws IOException;

}
```

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1.108 cxf-rt-frontend-jaxrs 3.0.12

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1.121 fabric8-C3 3.1.9

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1.122 FindBugs-jsr305 1.3.9

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1.123 flyway-core 4.0

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1.124 fontbox-1.8.9 1.89

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1.125 generex 1.0.1

1.126 geoapi 3.0.0

1.127 geronimo-jta-spec 1.1 :1.1

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1.128 geronimo-stax-api 1.0.1 :1.0

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1.130 google-api-services-drive-v2-rev113-1.17.0-rc 1.17.0-rc

1.131 google-api-services-drive-v2-rev253 1.20.0

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*/

package com.google.api.services.drive.model;

/**

* A permission for a file.

*

* <p> This is the Java data model class that specifies how to parse/serialize into the JSON that is

```

* transmitted over HTTP when working with the Drive API. For a detailed explanation see:
* <a href="http://code.google.com/p/google-http-java-client/wiki/JSON">http://code.google.com/p/google-http-
java-client/wiki/JSON</a>
* </p>
*
* @author Google, Inc.
*/
@SuppressWarnings("javadoc")
public final class Permission extends com.google.api.client.json.GenericJson {

/**
 * Additional roles for this user. Only commenter is currently allowed.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.util.List<java.lang.String> additionalRoles;

/**
 * The authkey parameter required for this permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String authKey;

/**
 * The domain name of the entity this permission refers to. This is an output-only field which is
 * present when the permission type is user, group or domain.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String domain;

/**
 * The email address of the user or group this permission refers to. This is an output-only field
 * which is present when the permission type is user or group.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String emailAddress;

/**
 * The ETag of the permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String etag;

/**

```

```

* The time at which this permission will expire (RFC 3339 date-time).
* The value may be { @code null }.
*/
@com.google.api.client.util.Key
private com.google.api.client.util.DateTime expirationDate;

/**
* The ID of the user this permission refers to, and identical to the permissionId in the About
* and Files resources. When making a drive.permissions.insert request, exactly one of the id or
* value fields must be specified unless the permission type is anyone, in which case both id and
* value are ignored.
* The value may be { @code null }.
*/
@com.google.api.client.util.Key
private java.lang.String id;

/**
* This is always drive#permission.
* The value may be { @code null }.
*/
@com.google.api.client.util.Key
private java.lang.String kind;

/**
* The name for this permission.
* The value may be { @code null }.
*/
@com.google.api.client.util.Key
private java.lang.String name;

/**
* A link to the profile photo, if available.
* The value may be { @code null }.
*/
@com.google.api.client.util.Key
private java.lang.String photoLink;

/**
* The primary role for this user. Allowed values are: - owner - reader - writer
* The value may be { @code null }.
*/
@com.google.api.client.util.Key
private java.lang.String role;

/**
* A link back to this permission.
* The value may be { @code null }.
*/

```

```

@com.google.api.client.util.Key
private java.lang.String selfLink;

/**
 * The account type. Allowed values are: - user - group - domain - anyone
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String type;

/**
 * The email address or domain name for the entity. This is used during inserts and is not
 * populated in responses. When making a drive.permissions.insert request, exactly one of the id
 * or value fields must be specified unless the permission type is anyone, in which case both id
 * and value are ignored.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String value;

/**
 * Whether the link is required for this permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.Boolean withLink;

/**
 * Additional roles for this user. Only commenter is currently allowed.
 * @return value or {@code null} for none
 */
public java.util.List<java.lang.String> getAdditionalRoles() {
    return additionalRoles;
}

/**
 * Additional roles for this user. Only commenter is currently allowed.
 * @param additionalRoles additionalRoles or {@code null} for none
 */
public Permission setAdditionalRoles(java.util.List<java.lang.String> additionalRoles) {
    this.additionalRoles = additionalRoles;
    return this;
}

/**
 * The authkey parameter required for this permission.
 * @return value or {@code null} for none
 */

```

```

public java.lang.String getAuthKey() {
    return authKey;
}

/**
 * The authkey parameter required for this permission.
 * @param authKey authKey or { @code null} for none
 */
public Permission setAuthKey(java.lang.String authKey) {
    this.authKey = authKey;
    return this;
}

/**
 * The domain name of the entity this permission refers to. This is an output-only field which is
 * present when the permission type is user, group or domain.
 * @return value or { @code null} for none
 */
public java.lang.String getDomain() {
    return domain;
}

/**
 * The domain name of the entity this permission refers to. This is an output-only field which is
 * present when the permission type is user, group or domain.
 * @param domain domain or { @code null} for none
 */
public Permission setDomain(java.lang.String domain) {
    this.domain = domain;
    return this;
}

/**
 * The email address of the user or group this permission refers to. This is an output-only field
 * which is present when the permission type is user or group.
 * @return value or { @code null} for none
 */
public java.lang.String getEmailAddress() {
    return emailAddress;
}

/**
 * The email address of the user or group this permission refers to. This is an output-only field
 * which is present when the permission type is user or group.
 * @param emailAddress emailAddress or { @code null} for none
 */
public Permission setEmailAddress(java.lang.String emailAddress) {
    this.emailAddress = emailAddress;
}

```



```

    return this;
}

/**
 * The ETag of the permission.
 * @return value or { @code null } for none
 */
public java.lang.String getEtag() {
    return etag;
}

/**
 * The ETag of the permission.
 * @param etag etag or { @code null } for none
 */
public Permission setEtag(java.lang.String etag) {
    this.etag = etag;
    return this;
}

/**
 * The time at which this permission will expire (RFC 3339 date-time).
 * @return value or { @code null } for none
 */
public com.google.api.client.util.DateTime getExpirationDate() {
    return expirationDate;
}

/**
 * The time at which this permission will expire (RFC 3339 date-time).
 * @param expirationDate expirationDate or { @code null } for none
 */
public Permission setExpirationDate(com.google.api.client.util.DateTime expirationDate) {
    this.expirationDate = expirationDate;
    return this;
}

/**
 * The ID of the user this permission refers to, and identical to the permissionId in the About
 * and Files resources. When making a drive.permissions.insert request, exactly one of the id or
 * value fields must be specified unless the permission type is anyone, in which case both id and
 * value are ignored.
 * @return value or { @code null } for none
 */
public java.lang.String getId() {
    return id;
}

```

```

/**
 * The ID of the user this permission refers to, and identical to the permissionId in the About
 * and Files resources. When making a drive.permissions.insert request, exactly one of the id or
 * value fields must be specified unless the permission type is anyone, in which case both id and
 * value are ignored.
 * @param id id or { @code null } for none
 */
public Permission setId(java.lang.String id) {
    this.id = id;
    return this;
}

/**
 * This is always drive#permission.
 * @return value or { @code null } for none
 */
public java.lang.String getKind() {
    return kind;
}

/**
 * This is always drive#permission.
 * @param kind kind or { @code null } for none
 */
public Permission setKind(java.lang.String kind) {
    this.kind = kind;
    return this;
}

/**
 * The name for this permission.
 * @return value or { @code null } for none
 */
public java.lang.String getName() {
    return name;
}

/**
 * The name for this permission.
 * @param name name or { @code null } for none
 */
public Permission setName(java.lang.String name) {
    this.name = name;
    return this;
}

/**
 * A link to the profile photo, if available.

```

```

* @return value or { @code null } for none
*/
public java.lang.String getPhotoLink() {
    return photoLink;
}

/**
* A link to the profile photo, if available.
* @param photoLink photoLink or { @code null } for none
*/
public Permission setPhotoLink(java.lang.String photoLink) {
    this.photoLink = photoLink;
    return this;
}

/**
* The primary role for this user. Allowed values are: - owner - reader - writer
* @return value or { @code null } for none
*/
public java.lang.String getRole() {
    return role;
}

/**
* The primary role for this user. Allowed values are: - owner - reader - writer
* @param role role or { @code null } for none
*/
public Permission setRole(java.lang.String role) {
    this.role = role;
    return this;
}

/**
* A link back to this permission.
* @return value or { @code null } for none
*/
public java.lang.String getSelfLink() {
    return selfLink;
}

/**
* A link back to this permission.
* @param selfLink selfLink or { @code null } for none
*/
public Permission setSelfLink(java.lang.String selfLink) {
    this.selfLink = selfLink;
    return this;
}

```

```

/**
 * The account type. Allowed values are: - user - group - domain - anyone
 * @return value or { @code null } for none
 */
public java.lang.String getType() {
    return type;
}

/**
 * The account type. Allowed values are: - user - group - domain - anyone
 * @param type type or { @code null } for none
 */
public Permission setType(java.lang.String type) {
    this.type = type;
    return this;
}

/**
 * The email address or domain name for the entity. This is used during inserts and is not
 * populated in responses. When making a drive.permissions.insert request, exactly one of the id
 * or value fields must be specified unless the permission type is anyone, in which case both id
 * and value are ignored.
 * @return value or { @code null } for none
 */
public java.lang.String getValue() {
    return value;
}

/**
 * The email address or domain name for the entity. This is used during inserts and is not
 * populated in responses. When making a drive.permissions.insert request, exactly one of the id
 * or value fields must be specified unless the permission type is anyone, in which case both id
 * and value are ignored.
 * @param value value or { @code null } for none
 */
public Permission setValue(java.lang.String value) {
    this.value = value;
    return this;
}

/**
 * Whether the link is required for this permission.
 * @return value or { @code null } for none
 */
public java.lang.Boolean getWithLink() {
    return withLink;
}

```

```

/**
 * Whether the link is required for this permission.
 * @param withLink withLink or {@code null} for none
 */
public Permission setWithLink(java.lang.Boolean withLink) {
    this.withLink = withLink;
    return this;
}

@Override
public Permission set(String fieldName, Object value) {
    return (Permission) super.set(fieldName, value);
}

@Override
public Permission clone() {
    return (Permission) super.clone();
}
}

```

1.132 google-api-services-storage v1-rev125-1.22.0

1.133 Google-Guice 3.0

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1.154 hazelcast-client 3.7.8

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1.156 HdrHistogram 2.1.9

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(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.)

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1.177 httpcore 4.4.4

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1.178 httpcore-nio 4.4.5

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<html lang="en">
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<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
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<meta name="theme-color" content="#303284">

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```

</head>

<body>
<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
  <div class="container">
    <div class="navbar-header">
      <button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
    </div>
    <div class="collapse navbar-collapse" id="mainnav-collapse">
      <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
      <ul class="nav navbar-nav navbar-right">
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation">Overview</a></li>
            <li><a href="/foundation/members.html">Members</a></li>
            <li><a href="/foundation/how-it-works.html">Process</a></li>
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/glossary.html">Glossary</a></li>
            <li><a href="/foundation/preFAQ.html">FAQ</a></li>
            <li><a href="/foundation/contact.html ">Contact</a></li>
          </ul>
        </li>
        <li><a href="/index.html#projects-list">Projects</a></li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="http://people.apache.org/">Overview</a></li>
            <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
            <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
            <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
            <li><a href="http://planet.apache.org/">Planet Apache</a></li>
          </ul>
        </li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">

```

```

        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
    </ul>
</li>
<li><a href="/dyn/closer.cgi">Download</a></li>
<li class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
    <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>
        <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
        <li><a href="/foundation/thanks.html">Thanks</a></li>
    </ul>
</li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
        
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
        <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
            
        </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
        <div class="input-group" style="margin-bottom: 5px;">
            <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>

```

```

    <gcse:searchbox-only></gcse:searchbox-only>
  </div>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
  <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://community.apache.org/">Overview</a></li>
```

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
```

```
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
```

```
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
```

```
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
```

```
<li><a href="/travel/">Travel Assistance</a></li>
```

```
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
```

```
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
```

```
<li><a href="/memorials/">Memorials</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Innovation</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://incubator.apache.org/">Incubator</a></li>
```

```
<li><a href="http://labs.apache.org/">Labs</a></li>
```

```
<li><a href="/licenses/">Licensing</a></li>
```

```
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
```

```
<li><a href="/foundation/marks/">Trademark Policy</a></li>
```

```
<li><a href="/foundation/contact.html">Contacts</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Tech Operations</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="/dev/">Developer Information</a></li>
```

```
<li><a href="/dev/infrastructure.html">Infrastructure</a></li>
```

```
<li><a href="/security/">Security</a></li>
<li><a href="http://status.apache.org">Status</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Press</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/press/">Overview</a></li>
<li><a href="https://blogs.apache.org/">ASF News</a></li>
<li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
<li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
<li><a href="/press/#contact">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Legal</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/legal/">Legal Affairs</a></li>
<li><a href="/licenses/">Licenses</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/records/">Public Records</a></li>
<li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
<li><a href="/licenses/exports/">Export Information</a></li>
<li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
<div class="col-lg-12">
<p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
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<p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
</div>
</div>
</div>
```

```
</footer>
```

<!-- / Footer -->

```
<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>
```

1.179 httpcore-nio 4.4.1

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1.185 hystrix-metrics-event-stream 1.5.12

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1.186 hystrix-serialization 1.5.12

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1.187 infinispan-cachestore-jdbc 9.2.3.Final

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1.189 infinispan-core 9.2.3.Final

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1.190 ion-java 1.0.2

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1.191 isoparser 1.1.18

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 */

```
package com.coremedia.iso.boxes;
```

```
import com.coremedia.iso.IsoTypeReader;
import com.coremedia.iso.IsoTypeWriter;
import com.coremedia.iso.Utf8;
import com.googlecode.mp4parser.AbstractFullBox;
```

```
import java.nio.ByteBuffer;
```

```
/**
```

```
* <h1>4cc = "{ @value #TYPE}"</h1>
```

```
* The copyright box contains a copyright declaration which applies to the entire presentation, when contained  

  * within the MovieBox, or, when contained in a track, to that entire track. There may be multiple boxes using  

  * different language codes.
```

```
*
```

```
* @see MovieBox
```

```
* @see TrackBox
```

```
*/
```

```
public class CopyrightBox extends AbstractFullBox {
    public static final String TYPE = "cprt";
```

```
    private String language;
    private String copyright;
```

```
    public CopyrightBox() {
        super(TYPE);
    }
```

```
    public String getLanguage() {
        return language;
    }
```

```
    public String getCopyright() {
        return copyright;
    }
```

```

public void setLanguage(String language) {
    this.language = language;
}

public void setCopyright(String copyright) {
    this.copyright = copyright;
}

protected long getContentSize() {
    return 7 + Utf8.utf8StringLengthInBytes(copyright);
}

@Override
public void _parseDetails(ByteBuffer content) {
    parseVersionAndFlags(content);
    language = IsoTypeReader.readIso639(content);
    copyright = IsoTypeReader.readString(content);
}

@Override
protected void getContent(ByteBuffer byteBuffer) {
    writeVersionAndFlags(byteBuffer);
    IsoTypeWriter.writeIso639(byteBuffer, language);
    byteBuffer.put(Utf8.convert(copyright));
    byteBuffer.put((byte) 0);
}

public String toString() {
    return "CopyrightBox[language=" + getLanguage() + ";copyright=" + getCopyright() + "];"
}

}

```

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1.192 isoparser-1.0-RC-1 1.0-RC-1

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```
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 */
package org.apache.jackrabbit.core.security.authorization;

/**
 * Permission...
 */
public final class Permission {

    public static final int NONE = 0;

    public static final int READ = 1;

    public static final int SET_PROPERTY = READ << 1;

    public static final int ADD_NODE = SET_PROPERTY << 1;
```

```

public static final int REMOVE_NODE = ADD_NODE << 1;

public static final int REMOVE_PROPERTY = REMOVE_NODE << 1;

public static final int READ_AC = REMOVE_PROPERTY << 1;

public static final int MODIFY_AC = READ_AC << 1;

public static final int NODE_TYPE_MNGMT = MODIFY_AC << 1;

public static final int VERSION_MNGMT = NODE_TYPE_MNGMT << 1;

public static final int LOCK_MNGMT = VERSION_MNGMT << 1;

public static final int LIFECYCLE_MNGMT = LOCK_MNGMT << 1;

public static final int RETENTION_MNGMT = LIFECYCLE_MNGMT << 1;

public static final int MODIFY_CHILD_NODE_COLLECTION = RETENTION_MNGMT << 1;

public static final int NODE_TYPE_DEF_MNGMT = MODIFY_CHILD_NODE_COLLECTION << 1;

public static final int NAMESPACE_MNGMT = NODE_TYPE_DEF_MNGMT << 1;

public static final int WORKSPACE_MNGMT = NAMESPACE_MNGMT << 1;

public static final int PRIVILEGE_MNGMT = WORKSPACE_MNGMT << 1;

public static final int ALL = (READ | SET_PROPERTY | ADD_NODE | REMOVE_NODE
    | REMOVE_PROPERTY | READ_AC | MODIFY_AC | NODE_TYPE_MNGMT
    | VERSION_MNGMT | LOCK_MNGMT | LIFECYCLE_MNGMT | RETENTION_MNGMT
    | MODIFY_CHILD_NODE_COLLECTION | NODE_TYPE_DEF_MNGMT | NAMESPACE_MNGMT
    | WORKSPACE_MNGMT | PRIVILEGE_MNGMT);

/**
 * Returns those bits from <code>permissions</code> that are not present in
 * the <code>otherPermissions</code>, i.e. subtracts the other permissions
 * from permissions.<br>
 * If the specified <code>otherPermissions</code> do not intersect with
 * <code>permissions</code>, <code>permissions</code> are returned.<br>
 * If <code>permissions</code> is included in <code>otherPermissions</code>,
 * { @link #NONE} is returned.
 *
 * @param permissions
 * @param otherPermissions
 * @return the differences of the 2 permissions or <code>{@link #NONE}</code>.
 */

```

```
public static int diff(int permissions, int otherPermissions) {  
    return permissions & ~otherPermissions;  
}  
}
```

Jackrabbit Core

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1.211 jackson-dataformat-yaml 2.8.10

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1.213 jackson-jaxrs-1.9.2.jar 1.9.2

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1.218 jackson-module-afterburner 2.8.8

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1.219 jackson-module-jaxb-annotations 2.6.3

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2.5.4

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1.227 java-xmlbuilder 0.4

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1.1

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1.231 JavaMail API (compat) 1.4.7

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1.246 jaxb-api 2.2.2

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1.248 jaxb-impl 2.2.3-1

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*/
// XMLWriter.java - serialize an XML document.
// Written by David Megginson, david@megginson.com
// NO WARRANTY! This class is in the public domain.
// AttributesImpl.java - default implementation of Attributes.
// http://www.saxproject.org
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/**
 * Default implementation of the Attributes interface.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
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 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p>This class provides a default implementation of the SAX2
 * { @link org.xml.sax.Attributes Attributes } interface, with the
 * addition of manipulators so that the list can be modified or
 * reused.</p>
 *
 * <p>There are two typical uses of this class:</p>
 *
 * <ol>
 * <li>to take a persistent snapshot of an Attributes object
 * in a { @link org.xml.sax.ContentHandler#startElement startElement } event; or</li>
 * <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
 * </ol>
 *
 * <p>This class replaces the now-deprecated SAX1 { @link
 * org.xml.sax.helpers.AttributeListImpl AttributeListImpl }
 * class; in addition to supporting the updated Attributes
 * interface rather than the deprecated { @link org.xml.sax.AttributeList

```

```

* AttributeList} interface, it also includes a much more efficient
* implementation using a single array rather than a set of Vectors.</p>
*
* @since JAXB1.0
* @since SAX 2.0
* @author David Megginson
* @version 2.0.1 (sax2r2)
*/
// NamespaceSupport.java - generic Namespace support for SAX.
// http://www.saxproject.org
// Written by David Megginson
// This class is in the Public Domain. NO WARRANTY!
# RELAX NG Schema for WSDL 1.1 HTTP Binding
#
#           Written by Kohsuke Kawaguchi
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1.249 jaxb-impl 2.2.11

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1.250 jaxen 1.1.6

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1.259 JCL 1.1.1 implemented over SLF4J 1.7.7

1.260 jcl-over-slf4j 1.7.25

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1.264 jclouds-core-1.6.0 1.6.0

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1.265 jclouds-jsch-1.6.0 1.6.0

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1.266 jclouds-log4j-1.6.0 1.6.0

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1.271 jdo-api 3.0.1

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1.272 jdom 1.0 :4.4.jdk6.ep5.e15

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1.273 JDOM 1.0

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\$Id: Comment.java,v 1.32 2004/02/11 21:12:43 jhunter Exp \$

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*/

```
package org.jdom;
```

```
/**
```

```
* An XML comment. Methods allow the user to get and set the text of the  
* comment.
```

```
*
```

```
* @version $Revision: 1.32 $, $Date: 2004/02/11 21:12:43 $
```

```
* @author Brett McLaughlin
```

```
* @author Jason Hunter
```

```
*/
```

```
public class Comment extends Content {
```

```

private static final String CVS_ID =
    "@(#) $RCSfile: Comment.java,v $ $Revision: 1.32 $ $Date: 2004/02/11 21:12:43 $ $Name: jdom_1_0 $";

/** Text of the <code>Comment</code> */
protected String text;

/**
 * Default, no-args constructor for implementations to use if needed.
 */
protected Comment() {}

/**
 * This creates the comment with the supplied text.
 *
 * @param text <code>String</code> content of comment.
 */
public Comment(String text) {
    setText(text);
}

/**
 * Returns the XPath 1.0 string value of this element, which is the
 * text of this comment.
 *
 * @return the text of this comment
 */
public String getValue() {
    return text;
}

/**
 * This returns the textual data within the <code>Comment</code>.
 *
 * @return <code>String</code> - text of comment.
 */
public String getText() {
    return text;
}

/**
 * This will set the value of the <code>Comment</code>.
 *
 * @param text <code>String</code> text for comment.
 * @return <code>Comment</code> - this Comment modified.
 * @throws IllegalArgumentException if the given text is illegal for a
 *     Comment.
 */

```

```

public Comment setText(String text) {
    String reason;
    if ((reason = Verifier.checkCommentData(text)) != null) {
        throw new IllegalDataException(text, "comment", reason);
    }

    this.text = text;
    return this;
}

/**
 * This returns a <code>String</code> representation of the
 * <code>Comment</code>, suitable for debugging. If the XML
 * representation of the <code>Comment</code> is desired,
 * { @link org.jdom.output.XMLOutputter#outputString(Comment)}
 * should be used.
 *
 * @return <code>String</code> - information about the
 *     <code>Attribute</code>
 */
public String toString() {
    return new StringBuffer()
        .append("[Comment: ")
        .append(new org.jdom.output.XMLOutputter().outputString(this))
        .append("]")
        .toString();
}
}

```

1.274 jdom2 2.0.4

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1.275 jdom2 2.0.6

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1.276 jdom2-2.0.5 2.0.5

1.277 jempbox-1.8.9.jar 1.8.9

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1.278 jersey-apache-client4 1.19.1

1.278.1 Available under license :

License names:

CDDL 1.1

GPL2 w/ CPE

1.279 jersey-client 2.25.1

1.280 jersey-common 2.25.1

1.281 jersey-core 1.19.1

1.281.1 Available under license :

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<!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">
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>CDDL+GPL Version 1.1</title>
</head>
```

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<!-- @page { margin: 0.79in } P { margin-bottom: 0.08in } H1 { margin-top: 0in; margin-bottom: 0.17in; widows:
0; orphans: 0 } H1.western { font-family: "Times New Roman", serif; font-size: 12pt; font-weight: normal } H1.cjk
{ font-family: "Andale Sans UI"; font-size: 12pt; font-weight: normal } H1.cnl { font-family: "Tahoma"; font-size:
12pt; font-weight: normal } -->
```

```
<BODY DIR="LTR">
```

```
<p><strong>COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1</strong></p>
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1.294 jetty-util 6.1.26

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1.296 jhighlight 1.0

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

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/*

File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

Author:

Nicolas Garcia Belmonte

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Homepage:

<<http://thejit.org>>

Version:

1.1.2

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That's all there is to it!

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'org.apache.velocity' to 'clover.org.apache.velocity'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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Version 2, June 1991

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File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

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1.303 Joda Time 1.6

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1.315 jsonassert 1.4.0

1.316 jsonpath 0.8.5

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/* JSONPath 0.8.5 - XPath for JSON

*

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*

* Proposal of Chris Zyp goes into version 0.9.x

* Issue 7 resolved

*/

1.317 jsoup 1.7.2

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1.318 jsr-275 0.9.3

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Specification: JSR 275 - Units Specification ("Specification")

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Status: Pre-FCS Public Release

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1.320 jsr305-1.3.9 1.3.9

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AppleJavaExtensions

v 1.2

<http://developer.apple.com/samplecode/AppleJavaExtensions/AppleJavaExtensions.html>

This is a pluggable jar of stub classes representing the new Apple eAWT and eIO APIs for Java 1.4 on Mac OS X. The purpose of these stubs is to allow for compilation of eAWT- or eIO-referencing code on platforms other than Mac OS X. These stubs are not intended for the runtime classpath on non-Mac platforms. Please see the OSXAdapter sample for how to write cross-platform code that uses eAWT.

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1.321 jsr311-api 1.1.1

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1.324 JUL to SLF4J bridge 1.7.7

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```
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1.325 jul-to-slf4j 1.7.25

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1.326 junit 4.12

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1.327 JUnit 4.12

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1.332 kubernetes-client 3.1.8

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1.333 lang 0.2.4

1.334 lang-tag 1.4.3

1.335 lang-tag-1.4 1.4

1.336 log4j 1.2.17

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1.337 log4j-api 2.7

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1.346 logback-core 1.1.11

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1.347 logback-core 1.1.1

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Luc Peuvrier wrote some unit tests for ConcurrentNavigableMap interface.

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1.356 mariadb 10.2.13

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```
##### mysql-test\t\license_basic.test #####
#
# Variable Name: license #
# Scope: Global #
# Access Type: Static #
# Data Type: string #
#
# #
# Creation Date: 2008-02-07 #
# Author : Sharique Abdullah #
#
# #
# Description:Test Cases of Dynamic System Variable license #
# that checks the behavior of this variable in the following ways #
# * Value Check #
# * Scope Check #
#
# Reference: http://dev.mysql.com/doc/refman/5.1/en/ #
# server-system-variables.html #
#
```

#####

--echo '#-----BS_STVARS_040_01-----#'

#####

Displaying default value

#####

SELECT COUNT(@@GLOBAL.license);

--echo 1 Expected

--echo '#-----BS_STVARS_040_02-----#'

#####

Check if Value can set

#####

--error ER_INCORRECT_GLOBAL_LOCAL_VAR

SET @@GLOBAL.license=1;

--echo Expected error 'Read only variable'

SELECT COUNT(@@GLOBAL.license);

--echo 1 Expected

--echo '#-----BS_STVARS_040_03-----#'

#####

Check if the value in GLOBAL Table matches value in variable

#####

SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';

--echo 1 Expected

SELECT COUNT(@@GLOBAL.license);

--echo 1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';

--echo 1 Expected

--echo '#-----BS_STVARS_040_04-----#'

#####

Check if accessing variable with and without GLOBAL point to same variable


```

#####
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected

--echo '#-----BS_STVARS_040_05-----#'
#####
# Check if license can be accessed with and without @@ sign      #
#####

SELECT COUNT(@@license);
--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'
'#-----BS_STVARS_040_01-----#'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_02-----#'
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_03-----#'
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected

```

```

SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected
'#-----BS_STVARS_040_04-----#'
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected
'#-----BS_STVARS_040_05-----#'
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@SESSION.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT license = @@SESSION.license;
ERROR 42S22: Unknown column 'license' in 'field list'
Expected error 'ReadOnly variable'
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Version 2, June 1991

```

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gethostname.c: minimal substitute for missing gethostname() function
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requires SVR4 uname() and -lc

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cmake-2.4.8/Utilities/cmzlib/zlib.h:
zlib.h -- interface of the 'zlib' general purpose compression library
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cmake-2.4.8/Utilities/cmcurl/inet_pton.c,
cmake-2.4.8/Source/CTest/Curl/inet_pton.c:

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Sources for Time Zone and Daylight Saving Time Data

@(#)tz-link.htm 7.54

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The tz database

The public-domain time zone database contains code and data that represent the history of local time for many representative locations around the globe. It is updated periodically to reflect changes made by political bodies to time zone boundaries, UTC offsets, and daylight-saving rules. This database (often called tz or zoneinfo) is used by several implementations, including the GNU C Library used in GNU/Linux, FreeBSD, NetBSD, OpenBSD, Cygwin, DJGPP, HP-UX, IRIX, Mac OS X, OpenVMS, Solaris, Tru64, and UnixWare.

Each location in the database represents a national region where all clocks keeping local time have agreed since 1970. Locations are identified by continent or ocean and then by the name of the location, which is typically the largest city within the region. For example, America/New_York represents most of the US eastern time zone; America/Phoenix represents most of Arizona, which uses mountain time without daylight saving time (DST); America/Detroit represents most of Michigan, which uses eastern time but with different DST rules in 1975; and other entries represent smaller regions like Starke County, Indiana, which switched from central to eastern time in 1991 and switched back in 2006. To use the database on an extended POSIX implementation set the TZ environment variable to the location's full name, e.g., TZ="America/New_York".

In the tz database's FTP distribution the code is in the file tzcodeC.tar.gz, where C is the code's version; similarly, the data are in tzdataD.tar.gz, where D is the data's version. The following shell commands download these files to a GNU/Linux or similar host; see the downloaded README file for what to do next.

```
wget 'ftp://elsie.nci.nih.gov/pub/tz*.tar.gz'  
gzip -dc tzcode*.tar.gz | tar -xf -  
gzip -dc tzdata*.tar.gz | tar -xf -
```

The code lets you compile the tz source files into machine-readable binary files, one for each location. It also lets you read a tz binary file and

interpret time stamps for that location.

The data are by no means authoritative. If you find errors, please send changes to the time zone mailing list. You can also subscribe to the mailing list, retrieve the archive of old messages (in gzip compressed format), or retrieve archived older versions of code and data; there is also a smaller HTTP mirror.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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, whereas the latter must be combined with the library in order to run.

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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 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

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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.

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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 combine 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) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) 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.

d) 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.

e) 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 materials to be 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.

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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.]

Preamble

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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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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:

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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 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.

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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.

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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 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.

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work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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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.

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- 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:

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THE BASIC LIBRARY FUNCTIONS

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The Debian package of MySQL was first debianized on 1997-04-12 by Christian Schwarz <schwarz@debian.org> and ist maintained since 1999-04-20 by Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by <http://ourdelta.org/>, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

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1.367 mockito-core.jar 1.10.19

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1.376 mongo-java-driver 3.4.2

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1.378 mongodb-driver-core 3.4.2

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1.385 netty-buffer 4.1.15.Final

1.386 netty-buffer 4.1.7

1.387 netty-codec 4.1.15.Final

1.388 netty-codec-http 4.1.15.Final

1.389 netty-common 4.0.27

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1.390 netty-handler 4.1.13.FINAL

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1.392 netty-transport 4.1.15.Final

1.393 netty-transport-native-epoll 4.0.27

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1.394 nimbus-jose-jwt 5.1

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1.397 oauth2-oidc-sdk 5.18.1

1.398 oauth2-oidc-sdk 5.24.1

1.399 oauth2-oidc-sdk-4.5 4.5

1.400 objenesis 2.6

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1.427 Protocol Buffer Java API 2.5.0

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1.428 puma 3.9.1

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1.429 quartz 2.2.3

1.430 querydsl-apt 4.1.4

1.431 querydsl-apt-3.7.0 3.7.0

1.432 querydsl-codegen 4.1.4

1.433 querydsl-codegen-3.7.0 3.7.0

1.434 querydsl-core 4.1.4

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1.437 querydsl-jpa 4.1.4

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1.441 Rails 5.x.x

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1.442 reactive-streams 1.0.1

1.443 recaptcha4j 0.0.7

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*/

package net.tanesha.recaptcha;

import java.util.Properties;

public interface ReCaptcha {

/**

* Creates HTML output with embedded recaptcha. The string response should be output on a HTML page (eg. inside a JSP).

*

* @param errorMessage An error message to display in the captcha, null if none.

* @param options Options for rendering, `<code>tabindex</code>` and `<code>theme</code>` are currently supported by recaptcha. You can

* put any options here though, and they will be added to the RecaptchaOptions javascript array.

* @return

*/

public String createRecaptchaHtml(String errorMessage, Properties options);

```

/**
 * Creates HTML output with embedded recaptcha. The string response should be output on a HTML page (eg.
 inside a JSP).
 *
 * This is just a wrapper that accepts the properties known to recaptcha.net
 *
 * @param errorMessage The error message to show in the recaptcha ouput
 * @param theme The theme to use for the recaptcha output (null if default)
 * @param tabindex The tabindex to use for the recaptcha element (null if default)
 * @return
 */
public String createRecaptchaHtml(String errorMessage, String theme, Integer tabindex);

/**
 * Validates a reCaptcha challenge and response.
 *
 * @param remoteAddr The address of the user, eg. request.getRemoteAddr()
 * @param challenge The challenge from the reCaptcha form, this is usually
 request.getParameter("recaptcha_challenge_field") in your code.
 * @param response The response from the reCaptcha form, this is usually
 request.getParameter("recaptcha_response_field") in your code.
 * @return
 */
public ReCaptchaResponse checkAnswer(String remoteAddr, String challenge, String response);
}

```

1.444 reflections-0.9.9 0.9.9

1.445 regexp 1.4 :2jpp.2

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The art of simplicity is a puzzle of complexity.

Overview

[YAML](<http://yaml.org>) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

SnakeYAML features

- * a **complete** [YAML 1.1 processor](<http://yaml.org/spec/1.1/current.html>). In particular, SnakeYAML can parse all examples from the specification.
- * Unicode support including UTF-8/UTF-16 input/output.
- * high-level API for serializing and deserializing native Java objects.
- * support for all types from the [YAML types repository](<http://yaml.org/type/index.html>).
- * relatively sensible error messages.

Info

- * [Changes](<https://bitbucket.org/asomov/snakeyaml/wiki/Changes>)
- * [Documentation](<https://bitbucket.org/asomov/snakeyaml/wiki/Documentation>)

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1.449 ribbon 2.2.2

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1.450 ribbon-core 2.2.2

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1.451 ribbon-httpclient 2.2.2

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```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
```

```

<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

```

```

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">

```

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```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<header>
```

```
<nav class="navbar navbar-default navbar-fixed-top">
```

```
<div class="container">
```

```
<div class="navbar-header">
```

```
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
```

```
<span class="sr-only">Toggle navigation</span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
```

```
</div>
```

```

<div class="collapse navbar-collapse" id="mainnav-collapse">
  <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation">Overview</a></li>
        <li><a href="/foundation/members.html">Members</a></li>
        <li><a href="/foundation/how-it-works.html">Process</a></li>
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/glossary.html">Glossary</a></li>
        <li><a href="/foundation/preFAQ.html">FAQ</a></li>
        <li><a href="/foundation/contact.html ">Contact</a></li>
      </ul>
    </li>
    <li><a href="/index.html#projects-list">Projects</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="http://people.apache.org/">Overview</a></li>
        <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
        <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
        <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
        <li><a href="http://planet.apache.org/">Planet Apache</a></li>
      </ul>
    </li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
      </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>
        <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
        <li><a href="/foundation/thanks.html">Thanks</a></li>
      </ul>
    </li>
  </ul>

```



```

        </ul>
    </div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
    <div class="row">
        <div class="col-md-6 col-sm-5 col-xs-12">
            
        </div>
        <div class="col-md-3 col-sm-3 col-xs-6">
            <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
                
            </a>
        </div>
        <div class="col-md-3 col-sm-4 col-xs-6">
            <div class="input-group" style="margin-bottom: 5px;">
                <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '/cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
    <gcse:searchbox-only></gcse:searchbox-only>
</div>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
    <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {

```

```
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="http://community.apache.org/">Overview</a></li>
<li><a href="/foundation/conferences.html">Conferences</a></li>
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
<li><a href="/travel/">Travel Assistance</a></li>
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
<li><a href="/memorials/">Memorials</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Innovation</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="http://incubator.apache.org/">Incubator</a></li>
<li><a href="http://labs.apache.org/">Labs</a></li>
<li><a href="/licenses/">Licensing</a></li>
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Tech Operations</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/dev/">Developer Information</a></li>
<li><a href="/dev/infrastructure.html">Infrastructure</a></li>
<li><a href="/security/">Security</a></li>
<li><a href="http://status.apache.org">Status</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Press</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/press/">Overview</a></li>
<li><a href="https://blogs.apache.org/">ASF News</a></li>
<li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
<li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
<li><a href="/press/#contact">Contacts</a></li>
</ul>
</div>
```

```

<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-1">
</div>

</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright © 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
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  </div>
</div>
</div>

</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>

```

1.452 ribbon-loadbalancer 2.2.2

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1.453 ribbon-transport 2.2.2

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1.478 slf4j-log4j12 1.7.25

1.479 slf4j-nop-1.7.1.jar 1.7.1

1.480 slf4j-simple 1.7.25

1.481 snakeyaml 1.17

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1.482 snakeyaml 1.17

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    limitations under the License.\
}

```

1.483 Softlayer SDK 0.2.4

1.483.1 Available under license :

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1.484 softlayer-api-client 0.2.4

1.484.1 Available under license :

```
package com.softlayer.api.service.user.permission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Action">SoftLayer_User_Permission_Action</a>
 */
@ApiType("SoftLayer_User_Permission_Action")
public class Action extends Entity {

    @ApiProperty(canBeNullOrNotSet = true)
    protected GregorianCalendar createDate;

    public GregorianCalendar getCreateDate() {
        return createDate;
    }

    public void setCreateDate(GregorianCalendar createDate) {
        createDateSpecified = true;
        this.createDate = createDate;
    }

    protected boolean createDateSpecified;

    public boolean isCreateDateSpecified() {
```

```

        return createDateSpecified;
    }

    public void unsetCreateDate() {
        createDate = null;
        createDateSpecified = false;
    }

    @ApiModelProperty(canBeNullOrNotSet = true)
    protected String description;

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        descriptionSpecified = true;
        this.description = description;
    }

    protected boolean descriptionSpecified;

    public boolean isDescriptionSpecified() {
        return descriptionSpecified;
    }

    public void unsetDescription() {
        description = null;
        descriptionSpecified = false;
    }

    @ApiModelProperty(canBeNullOrNotSet = true)
    protected Long id;

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        idSpecified = true;
        this.id = id;
    }

    protected boolean idSpecified;

    public boolean isIdSpecified() {
        return idSpecified;
    }
}

```

```

public void unsetId() {
    id = null;
    idSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String key;

public String getKey() {
    return key;
}

public void setKey(String key) {
    keySpecified = true;
    this.key = key;
}

protected boolean keySpecified;

public boolean isKeySpecified() {
    return keySpecified;
}

public void unsetKey() {
    key = null;
    keySpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String keyName;

public String getKeyName() {
    return keyName;
}

public void setKeyName(String keyName) {
    keyNameSpecified = true;
    this.keyName = keyName;
}

protected boolean keyNameSpecified;

public boolean isKeyNameSpecified() {
    return keyNameSpecified;
}

public void unsetKeyName() {

```



```

    keyName = null;
    keyNameSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {
    modifyDate = null;
    modifyDateSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

public void setName(String name) {
    nameSpecified = true;
    this.name = name;
}

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

```

```

}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Action">SoftLayer_User_Permissio
n_Action</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Action")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Action/getAllObjects">SoftLayer_U
ser_Permission_Action::getAllObjects</a>
     */
    @ApiMethod
    public List<Action> getAllObjects();

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Action/getObject">SoftLayer_User_
Permission_Action::getObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public Action getObject();
}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();

```

```

public Mask withMask();
public void setMask(Mask mask);

/**
 * Async version of { @link Service#getAllObjects }
 */
public Future<List<Action>> getAllObjects();

public Future<?> getAllObjects(ResponseHandler<List<Action>> callback);

/**
 * Async version of { @link Service#getObject }
 */
public Future<Action> getObject();

public Future<?> getObject(ResponseHandler<Action> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public Mask createDate() {
        withLocalProperty("createDate");
        return this;
    }

    public Mask description() {
        withLocalProperty("description");
        return this;
    }

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask key() {
        withLocalProperty("key");
        return this;
    }

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask modifyDate() {
        withLocalProperty("modifyDate");

```

```

        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }

}

}

package com.softlayer.api.service.user.permission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.user.Customer;
import com.softlayer.api.service.user.permission.Action;
import com.softlayer.api.service.user.permission.Group;
import java.util.ArrayList;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Role">SoftLayer_User_Permission
_Role</a>
 */
@ApiType("SoftLayer_User_Permission_Role")
public class Role extends Entity {

    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    @ApiProperty

```

```

protected List<Action> actions;

public List<Action> getActions() {
    if (actions == null) {
        actions = new ArrayList<Action>();
    }
    return actions;
}

@ApiProperty
protected List<Group> groups;

public List<Group> getGroups() {
    if (groups == null) {
        groups = new ArrayList<Group>();
    }
    return groups;
}

@ApiProperty
protected List<Customer> users;

public List<Customer> getUsers() {
    if (users == null) {
        users = new ArrayList<Customer>();
    }
    return users;
}

/**
 * A permission roles associated [[SoftLayer_Account|customer account]] id.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

```

```

}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

/**
 * The date the permission role record was created.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar createDate;

public GregorianCalendar getCreateDate() {
    return createDate;
}

public void setCreateDate(GregorianCalendar createDate) {
    createDateSpecified = true;
    this.createDate = createDate;
}

protected boolean createDateSpecified;

public boolean isCreateDateSpecified() {
    return createDateSpecified;
}

public void unsetCreateDate() {
    createDate = null;
    createDateSpecified = false;
}

/**
 * The description of the permission role.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String description;

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    descriptionSpecified = true;
    this.description = description;
}

```

```

protected boolean descriptionSpecified;

public boolean isDescriptionSpecified() {
    return descriptionSpecified;
}

public void unsetDescription() {
    description = null;
    descriptionSpecified = false;
}

/**
 * A permission roles internal identifying number.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The date the permission role record was last modified.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {

```

```

        modifyDateSpecified = true;
        this.modifyDate = modifyDate;
    }

    protected boolean modifyDateSpecified;

    public boolean isModifyDateSpecified() {
        return modifyDateSpecified;
    }

    public void unsetModifyDate() {
        modifyDate = null;
        modifyDateSpecified = false;
    }

    /**
     * The name of the permission role.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String name;

    public String getName() {
        return name;
    }

    public void setName(String name) {
        nameSpecified = true;
        this.name = name;
    }

    protected boolean nameSpecified;

    public boolean isNameSpecified() {
        return nameSpecified;
    }

    public void unsetName() {
        name = null;
        nameSpecified = false;
    }

    /**
     * A flag showing if new users should be automatically added to this role.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected Long newUserDefaultFlag;

    public Long getNewUserDefaultFlag() {

```



```

    return newUserDefaultFlag;
}

public void setNewUserDefaultFlag(Long newUserDefaultFlag) {
    newUserDefaultFlagSpecified = true;
    this.newUserDefaultFlag = newUserDefaultFlag;
}

protected boolean newUserDefaultFlagSpecified;

public boolean isNewUserDefaultFlagSpecified() {
    return newUserDefaultFlagSpecified;
}

public void unsetNewUserDefaultFlag() {
    newUserDefaultFlag = null;
    newUserDefaultFlagSpecified = false;
}

/**
 * A flag showing if the permission role was created by our internal system for a single user. If this flag is set only
 a single user can be assigned to this permission role and it can not be deleted.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long systemFlag;

public Long getSystemFlag() {
    return systemFlag;
}

public void setSystemFlag(Long systemFlag) {
    systemFlagSpecified = true;
    this.systemFlag = systemFlag;
}

protected boolean systemFlagSpecified;

public boolean isSystemFlagSpecified() {
    return systemFlagSpecified;
}

public void unsetSystemFlag() {
    systemFlag = null;
    systemFlagSpecified = false;
}

/**
 * A count of

```

```

    */
    @ApiProperty
    protected Long actionCount;

    public Long getActionCount() {
        return actionCount;
    }

    public void setActionCount(Long actionCount) {
        this.actionCount = actionCount;
    }

    /**
     * A count of
     */
    @ApiProperty
    protected Long groupCount;

    public Long getGroupCount() {
        return groupCount;
    }

    public void setGroupCount(Long groupCount) {
        this.groupCount = groupCount;
    }

    /**
     * A count of
     */
    @ApiProperty
    protected Long userCount;

    public Long getUserCount() {
        return userCount;
    }

    public void setUserCount(Long userCount) {
        this.userCount = userCount;
    }

    public Service asService(ApiClient client) {
        return service(client, id);
    }

    public static Service service(ApiClient client) {
        return client.createService(Service.class, null);
    }

```

```

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role">SoftLayer_User_Permission_Role</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Role")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/addUser">SoftLayer_User_Permission_Role::addUser</a>
     */
    @ApiMethod(instanceRequired = true)
    public Void addUser(Customer user);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/createObject">SoftLayer_User_Permission_Role::createObject</a>
     */
    @ApiMethod
    public Role createObject(Role templateObject);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/deleteObject">SoftLayer_User_Permission_Role::deleteObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public Boolean deleteObject();

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/editObject">SoftLayer_User_Permission_Role::editObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public Role editObject(Role templateObject);
}

```

```

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getObject">SoftLayer_User_P
ermission_Role::getObject</a>
 */
@ApiMethod(instanceRequired = true)
public Role getObject();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/linkGroup">SoftLayer_User_P
ermission_Role::linkGroup</a>
 */
@ApiMethod(instanceRequired = true)
public Void linkGroup(Group group);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/removeUser">SoftLayer_User
_Permission_Role::removeUser</a>
 */
@ApiMethod(instanceRequired = true)
public Void removeUser(Customer user);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/unlinkGroup">SoftLayer_User
_Permission_Role::unlinkGroup</a>
 */
@ApiMethod(instanceRequired = true)
public Void unlinkGroup(Group group);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getAccount">SoftLayer_User_
Permission_Role::getAccount</a>
 */
@ApiMethod(instanceRequired = true)
public Account getAccount();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getActions">SoftLayer_User_
Permission_Role::getActions</a>
 */
@ApiMethod(instanceRequired = true)
public List<Action> getActions();

```

```

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getGroups">SoftLayer_User_P
ermission_Role::getGroups</a>
 */
@ApiMethod(instanceRequired = true)
public List<Group> getGroups();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getUsers">SoftLayer_User_Pe
rmission_Role::getUsers</a>
 */
@ApiMethod(instanceRequired = true)
public List<Customer> getUsers();

}

```

```

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#addUser }
     */
    public Future<Void> addUser(Customer user);

    public Future<?> addUser(Customer user, ResponseHandler<Void> callback);

    /**
     * Async version of { @link Service#createObject }
     */
    public Future<Role> createObject(Role templateObject);

    public Future<?> createObject(Role templateObject, ResponseHandler<Role> callback);

    /**
     * Async version of { @link Service#deleteObject }
     */
    public Future<Boolean> deleteObject();

    public Future<?> deleteObject(ResponseHandler<Boolean> callback);

    /**
     * Async version of { @link Service#editObject }

```

```

*/
public Future<Role> editObject(Role templateObject);

public Future<?> editObject(Role templateObject, ResponseHandler<Role> callback);

/**
 * Async version of { @link Service#getObject }
 */
public Future<Role> getObject();

public Future<?> getObject(ResponseHandler<Role> callback);

/**
 * Async version of { @link Service#linkGroup }
 */
public Future<Void> linkGroup(Group group);

public Future<?> linkGroup(Group group, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#removeUser }
 */
public Future<Void> removeUser(Customer user);

public Future<?> removeUser(Customer user, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#unlinkGroup }
 */
public Future<Void> unlinkGroup(Group group);

public Future<?> unlinkGroup(Group group, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#getAccount }
 */
public Future<Account> getAccount();

/**
 * Async callback version of { @link Service#getAccount }
 */
public Future<?> getAccount(ResponseHandler<Account> callback);

/**
 * Async version of { @link Service#getActions }
 */
public Future<List<Action>> getActions();

```

```

/**
 * Async callback version of { @link Service#getActions }
 */
public Future<?> getActions(ResponseHandler<List<Action>> callback);

/**
 * Async version of { @link Service#getGroups }
 */
public Future<List<Group>> getGroups();

/**
 * Async callback version of { @link Service#getGroups }
 */
public Future<?> getGroups(ResponseHandler<List<Group>> callback);

/**
 * Async version of { @link Service#getUsers }
 */
public Future<List<Customer>> getUsers();

/**
 * Async callback version of { @link Service#getUsers }
 */
public Future<?> getUsers(ResponseHandler<List<Customer>> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public Action.Mask actions() {
        return withSubMask("actions", Action.Mask.class);
    }

    public Group.Mask groups() {
        return withSubMask("groups", Group.Mask.class);
    }

    public com.softlayer.api.service.user.Customer.Mask users() {
        return withSubMask("users", com.softlayer.api.service.user.Customer.Mask.class);
    }

    public Mask accountId() {
        withLocalProperty("accountId");
        return this;
    }
}

```

```
}

public Mask createDate() {
    withLocalProperty("createDate");
    return this;
}

public Mask description() {
    withLocalProperty("description");
    return this;
}

public Mask id() {
    withLocalProperty("id");
    return this;
}

public Mask modifyDate() {
    withLocalProperty("modifyDate");
    return this;
}

public Mask name() {
    withLocalProperty("name");
    return this;
}

public Mask newUserDefaultFlag() {
    withLocalProperty("newUserDefaultFlag");
    return this;
}

public Mask systemFlag() {
    withLocalProperty("systemFlag");
    return this;
}

public Mask actionCount() {
    withLocalProperty("actionCount");
    return this;
}

public Mask groupCount() {
    withLocalProperty("groupCount");
    return this;
}

public Mask userCount() {
```



```

        withLocalProperty("userCount");
        return this;
    }

}

}

package com.softlayer.api.service.user.permission.group;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.user.permission.Group;
import java.util.ArrayList;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Group_Type">SoftLayer_User_Permission_Group_Type</a>
 */
@ApiType("SoftLayer_User_Permission_Group_Type")
public class Type extends Entity {

    @ApiProperty
    protected List<Group> groups;

    public List<Group> getGroups() {
        if (groups == null) {
            groups = new ArrayList<Group>();
        }
        return groups;
    }

    @ApiProperty(canBeNullOrNotSet = true)
    protected GregorianCalendar createDate;

    public GregorianCalendar getCreateDate() {
        return createDate;
    }

    public void setCreateDate(GregorianCalendar createDate) {
        createDateSpecified = true;
    }

```

```

        this.createDate = createDate;
    }

    protected boolean createDateSpecified;

    public boolean isCreateDateSpecified() {
        return createDateSpecified;
    }

    public void unsetCreateDate() {
        createDate = null;
        createDateSpecified = false;
    }

    @ApiModelProperty(canBeNullOrNotSet = true)
    protected Long id;

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        idSpecified = true;
        this.id = id;
    }

    protected boolean idSpecified;

    public boolean isIdSpecified() {
        return idSpecified;
    }

    public void unsetId() {
        id = null;
        idSpecified = false;
    }

    @ApiModelProperty(canBeNullOrNotSet = true)
    protected String keyName;

    public String getKeyName() {
        return keyName;
    }

    public void setKeyName(String keyName) {
        keyNameSpecified = true;
        this.keyName = keyName;
    }
}

```

```

protected boolean keyNameSpecified;

public boolean isKeyNameSpecified() {
    return keyNameSpecified;
}

public void unsetKeyName() {
    keyName = null;
    keyNameSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {
    modifyDate = null;
    modifyDateSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

public void setName(String name) {
    nameSpecified = true;
    this.name = name;
}

protected boolean nameSpecified;

```

```

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

/**
 * A count of
 */
@ApiProperty
protected Long groupCount;

public Long getGroupCount() {
    return groupCount;
}

public void setGroupCount(Long groupCount) {
    this.groupCount = groupCount;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group_Type">SoftLayer_User_Per
mission_Group_Type</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Group_Type")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);
}

```

```

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group_Type/getObject">SoftLayer_
User_Permission_Group_Type::getObject</a>
 */
@ApiMethod(instanceRequired = true)
public Type getObject();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group_Type/getGroups">SoftLayer_
_User_Permission_Group_Type::getGroups</a>
 */
@ApiMethod(instanceRequired = true)
public List<Group> getGroups();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<Type> getObject();

    public Future<?> getObject(ResponseHandler<Type> callback);

    /**
     * Async version of { @link Service#getGroups }
     */
    public Future<List<Group>> getGroups();

    /**
     * Async callback version of { @link Service#getGroups }
     */
    public Future<?> getGroups(ResponseHandler<List<Group>> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.user.permission.Group.Mask groups() {
        return withSubMask("groups", com.softlayer.api.service.user.permission.Group.Mask.class);
    }
}

```

```

    }

    public Mask createDate() {
        withLocalProperty("createDate");
        return this;
    }

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask modifyDate() {
        withLocalProperty("modifyDate");
        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }

    public Mask groupCount() {
        withLocalProperty("groupCount");
        return this;
    }
}

}

package com.softlayer.api.service.user.permission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.user.permission.Action;
import com.softlayer.api.service.user.permission.Role;
import com.softlayer.api.service.user.permission.group.Type;
import java.util.ArrayList;

```

```

import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Group">SoftLayer_User_Permissi
on_Group</a>
 */
@ApiType("SoftLayer_User_Permission_Group")
public class Group extends Entity {

    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    @ApiProperty
    protected List<Action> actions;

    public List<Action> getActions() {
        if (actions == null) {
            actions = new ArrayList<Action>();
        }
        return actions;
    }

    @ApiProperty
    protected List<Role> roles;

    public List<Role> getRoles() {
        if (roles == null) {
            roles = new ArrayList<Role>();
        }
        return roles;
    }

    /**
     * The type of the permission group.
     */
    @ApiProperty
    protected Type type;

```

```

public Type getType() {
    return type;
}

public void setType(Type type) {
    this.type = type;
}

/**
 * A permission groups associated [[SoftLayer_Account|customer account]] id.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

/**
 * The date the permission group record was created.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar createDate;

public GregorianCalendar getCreateDate() {
    return createDate;
}

public void setCreateDate(GregorianCalendar createDate) {
    createDateSpecified = true;
    this.createDate = createDate;
}

```



```

}

protected boolean createDateSpecified;

public boolean isCreateDateSpecified() {
    return createDateSpecified;
}

public void unsetCreateDate() {
    createDate = null;
    createDateSpecified = false;
}

/**
 * The description of the permission group.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String description;

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    descriptionSpecified = true;
    this.description = description;
}

protected boolean descriptionSpecified;

public boolean isDescriptionSpecified() {
    return descriptionSpecified;
}

public void unsetDescription() {
    description = null;
    descriptionSpecified = false;
}

/**
 * The date the temporary group will be destroyed.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar expirationDate;

public GregorianCalendar getExpirationDate() {
    return expirationDate;
}

```

```
public void setExpirationDate(GregorianCalendar expirationDate) {
    expirationDateSpecified = true;
    this.expirationDate = expirationDate;
}
```

```
protected boolean expirationDateSpecified;
```

```
public boolean isExpirationDateSpecified() {
    return expirationDateSpecified;
}
```

```
public void unsetExpirationDate() {
    expirationDate = null;
    expirationDateSpecified = false;
}
```

```
/**
```

```
 * A permission groups internal identifying number.
```

```
*/
```

```
@ApiModelProperty(canBeNullOrNotSet = true)
```

```
protected Long id;
```

```
public Long getId() {
    return id;
}
```

```
public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}
```

```
protected boolean idSpecified;
```

```
public boolean isIdSpecified() {
    return idSpecified;
}
```

```
public void unsetId() {
    id = null;
    idSpecified = false;
}
```

```
/**
```

```
 * The date the permission group record was last modified.
```

```
*/
```

```
@ApiModelProperty(canBeNullOrNotSet = true)
```

```
protected GregorianCalendar modifyDate;
```

```

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {
    modifyDate = null;
    modifyDateSpecified = false;
}

/**
 * The name of the permission group.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

public void setName(String name) {
    nameSpecified = true;
    this.name = name;
}

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

/**

```

```

* The type of permission group.
*/
@ApiProperty(canBeNullOrNotSet = true)
protected Long typeId;

public Long getTypeId() {
    return typeId;
}

public void setTypeId(Long typeId) {
    typeIdSpecified = true;
    this.typeId = typeId;
}

protected boolean typeIdSpecified;

public boolean isTypeIdSpecified() {
    return typeIdSpecified;
}

public void unsetTypeId() {
    typeId = null;
    typeIdSpecified = false;
}

/**
 * A count of
 */
@ApiProperty
protected Long actionCount;

public Long getActionCount() {
    return actionCount;
}

public void setActionCount(Long actionCount) {
    this.actionCount = actionCount;
}

/**
 * A count of
 */
@ApiProperty
protected Long roleCount;

public Long getRoleCount() {
    return roleCount;
}

```

```

public void setRoleCount(Long roleCount) {
    this.roleCount = roleCount;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group">SoftLayer_User_Permissio
n_Group</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Group")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addAction">SoftLayer_User
_Permission_Group::addAction</a>
     */
    @ApiMethod(instanceRequired = true)
    public Void addAction(Action action);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addBulkActions">SoftLayer_
User_Permission_Group::addBulkActions</a>
     */
    @ApiMethod(instanceRequired = true)
    public Void addBulkActions(List<Action> actions);

    /**
     * @see <a

```

```

href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addBulkResourceObjects">SoftLayer_User_Permission_Group::addBulkResourceObjects</a>
*/
@ApiMethod(instanceRequired = true)
public Boolean addBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addResourceObject">SoftLayer_User_Permission_Group::addResourceObject</a>
*/
@ApiMethod(instanceRequired = true)
public Boolean addResourceObject(Entity resourceObject, String resourceTypeKeyName);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/createObject">SoftLayer_User_Permission_Group::createObject</a>
*/
@ApiMethod
public Group createObject(Group templateObject);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/deleteObject">SoftLayer_User_Permission_Group::deleteObject</a>
*/
@ApiMethod(instanceRequired = true)
public Boolean deleteObject();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/editObject">SoftLayer_User_Permission_Group::editObject</a>
*/
@ApiMethod(instanceRequired = true)
public Group editObject(Group templateObject);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getObject">SoftLayer_User_Permission_Group::getObject</a>
*/
@ApiMethod(instanceRequired = true)
public Group getObject();

/**
 * @see <a

```

```

href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/linkRole">SoftLayer_User_Permission_Group::linkRole</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void linkRole(Role role);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeAction">SoftLayer_User_Permission_Group::removeAction</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void removeAction(Action action);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeBulkActions">SoftLayer_User_Permission_Group::removeBulkActions</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void removeBulkActions(List<Action> actions);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeBulkResourceObjects">SoftLayer_User_Permission_Group::removeBulkResourceObjects</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean removeBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeResourceObject">SoftLayer_User_Permission_Group::removeResourceObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean removeResourceObject(Entity resourceObject, String resourceTypeKeyName);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/unlinkRole">SoftLayer_User_Permission_Group::unlinkRole</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void unlinkRole(Role role);

/**
 * @see <a

```

```

href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getAccount">SoftLayer_User
_Permission_Group::getAccount</a>
    */
    @ApiMethod(instanceRequired = true)
    public Account getAccount();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getActions">SoftLayer_User
_Permission_Group::getActions</a>
    */
    @ApiMethod(instanceRequired = true)
    public List<Action> getActions();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getRoles">SoftLayer_User_P
ermission_Group::getRoles</a>
    */
    @ApiMethod(instanceRequired = true)
    public List<Role> getRoles();

/**
 * The type of the permission group.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getType">SoftLayer_User_P
ermission_Group::getType</a>
    */
    @ApiMethod(instanceRequired = true)
    public Type getType();
}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

/**
 * Async version of { @link Service#addAction }
 */
    public Future<Void> addAction(Action action);

    public Future<?> addAction(Action action, ResponseHandler<Void> callback);

/**

```



```

    * Async version of { @link Service#addBulkActions }
    */
public Future<Void> addBulkActions(List<Action> actions);

public Future<?> addBulkActions(List<Action> actions, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#addBulkResourceObjects }
 */
public Future<Boolean> addBulkResourceObjects(List<Entity> resourceObjects, String
resourceTypeKeyName);

public Future<?> addBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName,
ResponseHandler<Boolean> callback);

/**
 * Async version of { @link Service#addResourceObject }
 */
public Future<Boolean> addResourceObject(Entity resourceObject, String resourceTypeKeyName);

public Future<?> addResourceObject(Entity resourceObject, String resourceTypeKeyName,
ResponseHandler<Boolean> callback);

/**
 * Async version of { @link Service#createObject }
 */
public Future<Group> createObject(Group templateObject);

public Future<?> createObject(Group templateObject, ResponseHandler<Group> callback);

/**
 * Async version of { @link Service#deleteObject }
 */
public Future<Boolean> deleteObject();

public Future<?> deleteObject(ResponseHandler<Boolean> callback);

/**
 * Async version of { @link Service#editObject }
 */
public Future<Group> editObject(Group templateObject);

public Future<?> editObject(Group templateObject, ResponseHandler<Group> callback);

/**
 * Async version of { @link Service#getObject }
 */
public Future<Group> getObject();

```

```

public Future<?> getObject(ResponseHandler<Group> callback);

/**
 * Async version of { @link Service#linkRole }
 */
public Future<Void> linkRole(Role role);

public Future<?> linkRole(Role role, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#removeAction }
 */
public Future<Void> removeAction(Action action);

public Future<?> removeAction(Action action, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#removeBulkActions }
 */
public Future<Void> removeBulkActions(List<Action> actions);

public Future<?> removeBulkActions(List<Action> actions, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#removeBulkResourceObjects }
 */
public Future<Boolean> removeBulkResourceObjects(List<Entity> resourceObjects, String
resourceTypeKeyName);

public Future<?> removeBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName,
ResponseHandler<Boolean> callback);

/**
 * Async version of { @link Service#removeResourceObject }
 */
public Future<Boolean> removeResourceObject(Entity resourceObject, String resourceTypeKeyName);

public Future<?> removeResourceObject(Entity resourceObject, String resourceTypeKeyName,
ResponseHandler<Boolean> callback);

/**
 * Async version of { @link Service#unlinkRole }
 */
public Future<Void> unlinkRole(Role role);

public Future<?> unlinkRole(Role role, ResponseHandler<Void> callback);

```

```

/**
 * Async version of { @link Service#getAccount }
 */
public Future<Account> getAccount();

/**
 * Async callback version of { @link Service#getAccount }
 */
public Future<?> getAccount(ResponseHandler<Account> callback);

/**
 * Async version of { @link Service#getActions }
 */
public Future<List<Action>> getActions();

/**
 * Async callback version of { @link Service#getActions }
 */
public Future<?> getActions(ResponseHandler<List<Action>> callback);

/**
 * Async version of { @link Service#getRoles }
 */
public Future<List<Role>> getRoles();

/**
 * Async callback version of { @link Service#getRoles }
 */
public Future<?> getRoles(ResponseHandler<List<Role>> callback);

/**
 * Async version of { @link Service#getType }
 */
public Future<Type> getType();

/**
 * Async callback version of { @link Service#getType }
 */
public Future<?> getType(ResponseHandler<Type> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }
}

```

```

public Action.Mask actions() {
    return withSubMask("actions", Action.Mask.class);
}

public Role.Mask roles() {
    return withSubMask("roles", Role.Mask.class);
}

public com.softlayer.api.service.user.permission.group.Type.Mask type() {
    return withSubMask("type", com.softlayer.api.service.user.permission.group.Type.Mask.class);
}

public Mask accountId() {
    withLocalProperty("accountId");
    return this;
}

public Mask createDate() {
    withLocalProperty("createDate");
    return this;
}

public Mask description() {
    withLocalProperty("description");
    return this;
}

public Mask expirationDate() {
    withLocalProperty("expirationDate");
    return this;
}

public Mask id() {
    withLocalProperty("id");
    return this;
}

public Mask modifyDate() {
    withLocalProperty("modifyDate");
    return this;
}

public Mask name() {
    withLocalProperty("name");
    return this;
}

public Mask typeId() {

```

```

        withLocalProperty("typeId");
        return this;
    }

    public Mask actionCount() {
        withLocalProperty("actionCount");
        return this;
    }

    public Mask roleCount() {
        withLocalProperty("roleCount");
        return this;
    }

}

}

package com.softlayer.api.service.user.customer.customerpermission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;
import java.util.List;
import java.util.concurrent.Future;

/**
 * Each SoftLayer portal account is assigned a series of permissions that determine what access the user has to
 * functions within the SoftLayer customer portal. This status is reflected in the SoftLayer_User_Customer_Status data
 * type. Permissions differ from user status in that user status applies globally to the portal while user permissions are
 * applied to specific portal functions.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Customer_CustomerPermission_Permission">S
oftLayer_User_Customer_CustomerPermission_Permission</a>
 */
@ApiType("SoftLayer_User_Customer_CustomerPermission_Permission")
public class Permission extends Entity {

    /**
     * A user permission's short name.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String key;

    public String getKey() {

```

```

        return key;
    }

    public void setKey(String key) {
        keySpecified = true;
        this.key = key;
    }

    protected boolean keySpecified;

    public boolean isKeySpecified() {
        return keySpecified;
    }

    public void unsetKey() {
        key = null;
        keySpecified = false;
    }

    /**
     * A user permission's key name.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String keyName;

    public String getKeyName() {
        return keyName;
    }

    public void setKeyName(String keyName) {
        keyNameSpecified = true;
        this.keyName = keyName;
    }

    protected boolean keyNameSpecified;

    public boolean isKeyNameSpecified() {
        return keyNameSpecified;
    }

    public void unsetKeyName() {
        keyName = null;
        keyNameSpecified = false;
    }

    /**
     * A user permission's name.
     */

```

```

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

public void setName(String name) {
    nameSpecified = true;
    this.name = name;
}

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

/**
 * Portal account users who are not the master user (account owner) have permissions to allow them access to
 * portal functionalities.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Customer_CustomerPermission_Permission">SoftLayer_User_Customer_CustomerPermission_Permission</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Customer_CustomerPermission_Permission")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Retrieve all available permissions.
     *
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Customer_CustomerPermission_Permission/get

```

```

AllObjects">SoftLayer_User_Customer_CustomerPermission_Permission::getAllObjects</a>
    */
    @ApiMethod
    public List<Permission> getAllObjects();

    /**
     * getObject retrieves the SoftLayer_User_Customer_CustomerPermission_Permission object whose ID number
     corresponds to the ID number of the init parameter passed to the
     SoftLayer_User_Customer_CustomerPermission_Permission service.
     *
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Customer_CustomerPermission_Permission/get
Object">SoftLayer_User_Customer_CustomerPermission_Permission::getObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Permission getObject();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getAllObjects }
     */
    public Future<List<Permission>> getAllObjects();

    public Future<?> getAllObjects(ResponseHandler<List<Permission>> callback);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<Permission> getObject();

    public Future<?> getObject(ResponseHandler<Permission> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public Mask key() {
        withLocalProperty("key");
        return this;
    }

}

```



```

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }
}

}

package com.softlayer.api.service.billing.item.software;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.billing.Item;
import com.softlayer.api.service.software.AccountLicense;

/**
 * The SoftLayer_Billing_Item_Software_License data type contains general information relating to a single
 * SoftLayer billing item for a software license.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Billing_Item_Software_License">SoftLayer_Billing_
 Item_Software_License</a>
 */
@ApiType("SoftLayer_Billing_Item_Software_License")
public class License extends Item {

    /**
     * The resource for a software license billing item.
     */
    @ApiProperty
    protected AccountLicense resource;

    public AccountLicense getResource() {
        return resource;
    }

    public void setResource(AccountLicense resource) {
        this.resource = resource;
    }

    public static class Mask extends com.softlayer.api.service.billing.Item.Mask {

        public com.softlayer.api.service.software.AccountLicense.Mask resource() {

```

```

        return withSubMask("resource", com.softlayer.api.service.software.AccountLicense.Mask.class);
    }

}

}

package com.softlayer.api.service.software;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.billing.Item;
import com.softlayer.api.service.software.Description;
import java.util.List;
import java.util.concurrent.Future;

/**
 * SoftLayer_Software_AccountLicense is a class that represents software licenses that are tied only to a customer's
 * account and not to any particular hardware, IP address, etc.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Software_AccountLicense">SoftLayer_Software_Ac
 countLicense</a>
 */
@ApiType("SoftLayer_Software_AccountLicense")
public class AccountLicense extends Entity {

    /**
     * The customer account this Account License belongs to.
     */
    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    /**
     * The billing item for a software account license.
     */

```

```

@ApiProperty
protected Item billingItem;

public Item getBillingItem() {
    return billingItem;
}

public void setBillingItem(Item billingItem) {
    this.billingItem = billingItem;
}

/**
 * The SoftLayer_Software_Description that this account license is for.
 */
@ApiProperty
protected Description softwareDescription;

public Description getSoftwareDescription() {
    return softwareDescription;
}

public void setSoftwareDescription(Description softwareDescription) {
    this.softwareDescription = softwareDescription;
}

/**
 * The ID of the SoftLayer Account to which this Account License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
}

```

```

        accountIdSpecified = false;
    }

    /**
     * Some Account Licenses have capacity information such as CPU specified in the units key. This provides the
     numerical representation of the capacity of the units.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String capacity;

    public String getCapacity() {
        return capacity;
    }

    public void setCapacity(String capacity) {
        capacitySpecified = true;
        this.capacity = capacity;
    }

    protected boolean capacitySpecified;

    public boolean isCapacitySpecified() {
        return capacitySpecified;
    }

    public void unsetCapacity() {
        capacity = null;
        capacitySpecified = false;
    }

    /**
     * The License Key for this specific Account License.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String key;

    public String getKey() {
        return key;
    }

    public void setKey(String key) {
        keySpecified = true;
        this.key = key;
    }

    protected boolean keySpecified;

    public boolean isKeySpecified() {

```

```

        return keySpecified;
    }

    public void unsetKey() {
        key = null;
        keySpecified = false;
    }

    /**
     * The unit of measurement that an account license has the capacity of.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String units;

    public String getUnits() {
        return units;
    }

    public void setUnits(String units) {
        unitsSpecified = true;
        this.units = units;
    }

    protected boolean unitsSpecified;

    public boolean isUnitsSpecified() {
        return unitsSpecified;
    }

    public void unsetUnits() {
        units = null;
        unitsSpecified = false;
    }

    public static Service service(ApiClient client) {
        return client.createService(Service.class, null);
    }

    /**
     * SoftLayer_Software_AccountLicense is the application class that handles a special type of Software License.
     Most software licenses are licensed to a specific hardware ID or IP address, this is tied to an account.
     *
     * @see <a
     href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense">SoftLayer_Software_AccountLicense</a>
     */
    @com.softlayer.api.annotation.ApiService("SoftLayer_Software_AccountLicense")
    public static interface Service extends com.softlayer.api.Service {

```

```

public ServiceAsync asAsync();
public Mask withNewMask();
public Mask withMask();
public void setMask(Mask mask);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getAllObjects">SoftLayer_
Software_AccountLicense::getAllObjects</a>
 */
@ApiMethod
public List<AccountLicense> getAllObjects();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getObject">SoftLayer_So
ftware_AccountLicense::getObject</a>
 */
@ApiMethod(instanceRequired = true)
public AccountLicense getObject();

/**
 * The customer account this Account License belongs to.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getAccount">SoftLayer_So
ftware_AccountLicense::getAccount</a>
 */
@ApiMethod(instanceRequired = true)
public Account getAccount();

/**
 * The billing item for a software account license.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getBillingItem">SoftLayer
_Software_AccountLicense::getBillingItem</a>
 */
@ApiMethod(instanceRequired = true)
public Item getBillingItem();

/**
 * The SoftLayer_Software_Description that this account license is for.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getSoftwareDescription">S
oftLayer_Software_AccountLicense::getSoftwareDescription</a>

```

```

    */
    @ApiMethod(instanceRequired = true)
    public Description getSoftwareDescription();
}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getAllObjects }
     */
    public Future<List<AccountLicense>> getAllObjects();

    public Future<?> getAllObjects(ResponseHandler<List<AccountLicense>> callback);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<AccountLicense> getObject();

    public Future<?> getObject(ResponseHandler<AccountLicense> callback);

    /**
     * Async version of { @link Service#getAccount }
     */
    public Future<Account> getAccount();

    /**
     * Async callback version of { @link Service#getAccount }
     */
    public Future<?> getAccount(ResponseHandler<Account> callback);

    /**
     * Async version of { @link Service#getBillingItem }
     */
    public Future<Item> getBillingItem();

    /**
     * Async callback version of { @link Service#getBillingItem }
     */
    public Future<?> getBillingItem(ResponseHandler<Item> callback);

    /**
     * Async version of { @link Service#getSoftwareDescription }

```

```

    */
    public Future<Description> getSoftwareDescription();

    /**
     * Async callback version of { @link Service#getSoftwareDescription }
     */
    public Future<?> getSoftwareDescription(ResponseHandler<Description> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.billing.Item.Mask billingItem() {
        return withSubMask("billingItem", com.softlayer.api.service.billing.Item.Mask.class);
    }

    public Description.Mask softwareDescription() {
        return withSubMask("softwareDescription", Description.Mask.class);
    }

    public Mask accountId() {
        withLocalProperty("accountId");
        return this;
    }

    public Mask capacity() {
        withLocalProperty("capacity");
        return this;
    }

    public Mask key() {
        withLocalProperty("key");
        return this;
    }

    public Mask units() {
        withLocalProperty("units");
        return this;
    }

}

}

```



```

package com.softlayer.api.service.software;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.software.Description;

/**
 * This class describes a specific type of license, like a Microsoft Windows Site License, a GPL license, or a license
 of another type.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Software_License">SoftLayer_Software_License</a
 >
 */
@ApiType("SoftLayer_Software_License")
public class License extends Entity {

    /**
     * The account that owns this specific License instance.
     */
    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    /**
     * The account that owns this specific License instance.
     */
    @ApiProperty
    protected Account owner;

    public Account getOwner() {
        return owner;
    }

    public void setOwner(Account owner) {
        this.owner = owner;
    }

    /**

```

```

* A Description of the software that this license instance is valid for.
*/
@ApiProperty
protected Description softwareDescription;

public Description getSoftwareDescription() {
    return softwareDescription;
}

public void setSoftwareDescription(Description softwareDescription) {
    this.softwareDescription = softwareDescription;
}

/**
 * An ID number for this specific License type.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The ID number of a Software Description that this specific license is valid for.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long softwareDescriptionId;

public Long getSoftwareDescriptionId() {
    return softwareDescriptionId;
}

```

```

public void setSoftwareDescriptionId(Long softwareDescriptionId) {
    softwareDescriptionIdSpecified = true;
    this.softwareDescriptionId = softwareDescriptionId;
}

protected boolean softwareDescriptionIdSpecified;

public boolean isSoftwareDescriptionIdSpecified() {
    return softwareDescriptionIdSpecified;
}

public void unsetSoftwareDescriptionId() {
    softwareDescriptionId = null;
    softwareDescriptionIdSpecified = false;
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.Account.Mask owner() {
        return withSubMask("owner", com.softlayer.api.service.Account.Mask.class);
    }

    public Description.Mask softwareDescription() {
        return withSubMask("softwareDescription", Description.Mask.class);
    }

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask softwareDescriptionId() {
        withLocalProperty("softwareDescriptionId");
        return this;
    }

}

}

package com.softlayer.api.service.software;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;

```

```

import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.billing.Item;
import com.softlayer.api.service.hardware.Server;
import com.softlayer.api.service.network.Subnet;
import com.softlayer.api.service.network.subnet.IpAddress;
import com.softlayer.api.service.software.Description;
import java.util.concurrent.Future;

/**
 * SoftLayer_Software_VirtualLicense is the application class that handles a special type of Software License. Most
 * software licenses are licensed to a specific hardware ID; virtual licenses are designed for virtual machines and
 * therefore are assigned to an IP Address. Not all software packages can be "virtual licensed".
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Software_VirtualLicense">SoftLayer_Software_Virt
 ualLicense</a>
 */
@ApiType("SoftLayer_Software_VirtualLicense")
public class VirtualLicense extends Entity {

    /**
     * The customer account this Virtual License belongs to.
     */
    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    /**
     * The billing item for a software virtual license.
     */
    @ApiProperty
    protected Item billingItem;

    public Item getBillingItem() {
        return billingItem;
    }
}

```

```

public void setBillingItem(Item billingItem) {
    this.billingItem = billingItem;
}

/**
 * The hardware record to which the software virtual license is assigned.
 */
@ApiProperty
protected Server hostHardware;

public Server getHostHardware() {
    return hostHardware;
}

public void setHostHardware(Server hostHardware) {
    this.hostHardware = hostHardware;
}

/**
 * The IP Address record associated with a virtual license.
 */
@ApiProperty
protected IpAddress ipAddressRecord;

public IpAddress getIpAddressRecord() {
    return ipAddressRecord;
}

public void setIpAddressRecord(IpAddress ipAddressRecord) {
    this.ipAddressRecord = ipAddressRecord;
}

/**
 * The SoftLayer_Software_Description that this virtual license is for.
 */
@ApiProperty
protected Description softwareDescription;

public Description getSoftwareDescription() {
    return softwareDescription;
}

public void setSoftwareDescription(Description softwareDescription) {
    this.softwareDescription = softwareDescription;
}

/**
 * The subnet this Virtual License's IP address belongs to.

```

```

*/
@ApiProperty
protected Subnet subnet;

public Subnet getSubnet() {
    return subnet;
}

public void setSubnet(Subnet subnet) {
    this.subnet = subnet;
}

/**
 * The ID of the SoftLayer Account to which this Virtual License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

/**
 * The ID of the SoftLayer Hardware Server record to which this Virtual License belongs.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long hostHardwareId;

public Long getHostHardwareId() {
    return hostHardwareId;
}

```

```

public void setHostHardwareId(Long hostHardwareId) {
    hostHardwareIdSpecified = true;
    this.hostHardwareId = hostHardwareId;
}

protected boolean hostHardwareIdSpecified;

public boolean isHostHardwareIdSpecified() {
    return hostHardwareIdSpecified;
}

public void unsetHostHardwareId() {
    hostHardwareId = null;
    hostHardwareIdSpecified = false;
}

/**
 * An ID number for this Virtual License instance.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The specific IP address this Virtual License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String ipAddress;

```

```

public String getIpAddress() {
    return ipAddress;
}

public void setIpAddress(String ipAddress) {
    ipAddressSpecified = true;
    this.ipAddress = ipAddress;
}

protected boolean ipAddressSpecified;

public boolean isIpAddressSpecified() {
    return ipAddressSpecified;
}

public void unsetIpAddress() {
    ipAddress = null;
    ipAddressSpecified = false;
}

/**
 * The License Key for this specific Virtual License.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String key;

public String getKey() {
    return key;
}

public void setKey(String key) {
    keySpecified = true;
    this.key = key;
}

protected boolean keySpecified;

public boolean isKeySpecified() {
    return keySpecified;
}

public void unsetKey() {
    key = null;
    keySpecified = false;
}

/**
 * A "notes" string attached to this specific Virtual License.

```



```

*/
@ApiProperty(canBeNullOrNotSet = true)
protected String notes;

public String getNotes() {
    return notes;
}

public void setNotes(String notes) {
    notesSpecified = true;
    this.notes = notes;
}

protected boolean notesSpecified;

public boolean isNotesSpecified() {
    return notesSpecified;
}

public void unsetNotes() {
    notes = null;
    notesSpecified = false;
}

/**
 * The Software Description ID this Virtual License is for.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long softwareDescriptionId;

public Long getSoftwareDescriptionId() {
    return softwareDescriptionId;
}

public void setSoftwareDescriptionId(Long softwareDescriptionId) {
    softwareDescriptionIdSpecified = true;
    this.softwareDescriptionId = softwareDescriptionId;
}

protected boolean softwareDescriptionIdSpecified;

public boolean isSoftwareDescriptionIdSpecified() {
    return softwareDescriptionIdSpecified;
}

public void unsetSoftwareDescriptionId() {
    softwareDescriptionId = null;
    softwareDescriptionIdSpecified = false;
}

```

```

}

/**
 * The ID of the SoftLayer Network Subnet this Virtual License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long subnetId;

public Long getSubnetId() {
    return subnetId;
}

public void setSubnetId(Long subnetId) {
    subnetIdSpecified = true;
    this.subnetId = subnetId;
}

protected boolean subnetIdSpecified;

public boolean isSubnetIdSpecified() {
    return subnetIdSpecified;
}

public void unsetSubnetId() {
    subnetId = null;
    subnetIdSpecified = false;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * SoftLayer_Software_VirtualLicense is the application class that handles a special type of Software License.
 * Most software licenses are licensed to a specific hardware ID; virtual licenses are designed for virtual machines and
 * therefore are assigned to an IP Address. Not all software packages can be "virtual licensed". <br />
 * <br />
 * SoftLayer_Software_VirtualLicense's service allows you to retrieve the hard-copy license file for a virtual
 * license, if one exists for your license instance. <br />
 * <br />

```

* You can also retrieve the subnet that the IP to which a software virtual license is licensed upon exists in, as well as the software description that this virtual license is for.

*

* @see SoftLayer_Software_VirtualLicense

*/

@com.softlayer.api.annotation.ApiService("SoftLayer_Software_VirtualLicense")

public static interface Service extends com.softlayer.api.Service {

```
    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);
```

/**

* Attempt to retrieve the file associated with a virtual license, if such a file exists. If there is no file for this virtual license, calling this method will either throw an exception or return false.

*

* @see SoftLayer_Software_VirtualLicense::getLicenseFile

*/

@ApiMethod(instanceRequired = true)

```
public byte[] getLicenseFile();
```

/**

* getObject retrieves the SoftLayer_Software_VirtualLicense object whose ID number corresponds to the ID number of the init parameter passed to the SoftLayer_Software_VirtualLicense service. You can only retrieve Virtual Licenses assigned to your account number.

*

* @see SoftLayer_Software_VirtualLicense::getObject

*/

@ApiMethod(instanceRequired = true)

```
public VirtualLicense getObject();
```

/**

* The customer account this Virtual License belongs to.

*

* @see SoftLayer_Software_VirtualLicense::getAccount

*/

@ApiMethod(instanceRequired = true)

```
public Account getAccount();
```

```

/**
 * The billing item for a software virtual license.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getBillingItem">SoftLayer_
Software_VirtualLicense::getBillingItem</a>
 */
@ApiMethod(instanceRequired = true)
public Item getBillingItem();

/**
 * The hardware record to which the software virtual license is assigned.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getHostHardware">SoftLaye
r_Software_VirtualLicense::getHostHardware</a>
 */
@ApiMethod(instanceRequired = true)
public Server getHostHardware();

/**
 * The IP Address record associated with a virtual license.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getIpAddressRecord">SoftL
ayer_Software_VirtualLicense::getIpAddressRecord</a>
 */
@ApiMethod(instanceRequired = true)
public IpAddress getIpAddressRecord();

/**
 * The SoftLayer_Software_Description that this virtual license is for.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getSoftwareDescription">So
ftLayer_Software_VirtualLicense::getSoftwareDescription</a>
 */
@ApiMethod(instanceRequired = true)
public Description getSoftwareDescription();

/**
 * The subnet this Virtual License's IP address belongs to.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getSubnet">SoftLayer_Soft
ware_VirtualLicense::getSubnet</a>
 */
@ApiMethod(instanceRequired = true)

```

```

public Subnet getSubnet();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getLicenseFile }
     */
    public Future<byte[]> getLicenseFile();

    public Future<?> getLicenseFile(ResponseHandler<byte[]> callback);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<VirtualLicense> getObject();

    public Future<?> getObject(ResponseHandler<VirtualLicense> callback);

    /**
     * Async version of { @link Service#getAccount }
     */
    public Future<Account> getAccount();

    /**
     * Async callback version of { @link Service#getAccount }
     */
    public Future<?> getAccount(ResponseHandler<Account> callback);

    /**
     * Async version of { @link Service#getBillingItem }
     */
    public Future<Item> getBillingItem();

    /**
     * Async callback version of { @link Service#getBillingItem }
     */
    public Future<?> getBillingItem(ResponseHandler<Item> callback);

    /**
     * Async version of { @link Service#getHostHardware }
     */
    public Future<Server> getHostHardware();
}

```

```

/**
 * Async callback version of { @link Service#getHostHardware }
 */
public Future<?> getHostHardware(ResponseHandler<Server> callback);

/**
 * Async version of { @link Service#getIpAddressRecord }
 */
public Future<IpAddress> getIpAddressRecord();

/**
 * Async callback version of { @link Service#getIpAddressRecord }
 */
public Future<?> getIpAddressRecord(ResponseHandler<IpAddress> callback);

/**
 * Async version of { @link Service#getSoftwareDescription }
 */
public Future<Description> getSoftwareDescription();

/**
 * Async callback version of { @link Service#getSoftwareDescription }
 */
public Future<?> getSoftwareDescription(ResponseHandler<Description> callback);

/**
 * Async version of { @link Service#getSubnet }
 */
public Future<Subnet> getSubnet();

/**
 * Async callback version of { @link Service#getSubnet }
 */
public Future<?> getSubnet(ResponseHandler<Subnet> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.billing.Item.Mask billingItem() {
        return withSubMask("billingItem", com.softlayer.api.service.billing.Item.Mask.class);
    }
}

```

```

public com.softlayer.api.service.hardware.Server.Mask hostHardware() {
    return withSubMask("hostHardware", com.softlayer.api.service.hardware.Server.Mask.class);
}

public com.softlayer.api.service.network.subnet.IpAddress.Mask ipAddressRecord() {
    return withSubMask("ipAddressRecord", com.softlayer.api.service.network.subnet.IpAddress.Mask.class);
}

public Description.Mask softwareDescription() {
    return withSubMask("softwareDescription", Description.Mask.class);
}

public com.softlayer.api.service.network.Subnet.Mask subnet() {
    return withSubMask("subnet", com.softlayer.api.service.network.Subnet.Mask.class);
}

public Mask accountId() {
    withLocalProperty("accountId");
    return this;
}

public Mask hostHardwareId() {
    withLocalProperty("hostHardwareId");
    return this;
}

public Mask id() {
    withLocalProperty("id");
    return this;
}

public Mask ipAddress() {
    withLocalProperty("ipAddress");
    return this;
}

public Mask key() {
    withLocalProperty("key");
    return this;
}

public Mask notes() {
    withLocalProperty("notes");
    return this;
}

public Mask softwareDescriptionId() {
    withLocalProperty("softwareDescriptionId");
}

```

```

        return this;
    }

    public Mask subnetId() {
        withLocalProperty("subnetId");
        return this;
    }

}

}

package com.softlayer.api.service.legal;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.legal.regulatedworkload.Type;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Legal_RegulatedWorkload">SoftLayer_Legal_Regul
 atedWorkload</a>
 */
@ApiType("SoftLayer_Legal_RegulatedWorkload")
public class RegulatedWorkload extends Entity {

    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    @ApiProperty
    protected Type type;

    public Type getType() {
        return type;
    }

    public void setType(Type type) {
        this.type = type;
    }
}

```



```

@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected Boolean enabledFlag;

public Boolean getEnabledFlag() {
    return enabledFlag;
}

public void setEnabledFlag(Boolean enabledFlag) {
    enabledFlagSpecified = true;
    this.enabledFlag = enabledFlag;
}

protected boolean enabledFlagSpecified;

public boolean isEnabledFlagSpecified() {
    return enabledFlagSpecified;
}

public void unsetEnabledFlag() {
    enabledFlag = null;
    enabledFlagSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)

```

```

protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected Long workloadTypeId;

public Long getWorkloadTypeId() {
    return workloadTypeId;
}

public void setWorkloadTypeId(Long workloadTypeId) {
    workloadTypeIdSpecified = true;
    this.workloadTypeId = workloadTypeId;
}

protected boolean workloadTypeIdSpecified;

public boolean isWorkloadTypeIdSpecified() {
    return workloadTypeIdSpecified;
}

public void unsetWorkloadTypeId() {
    workloadTypeId = null;
    workloadTypeIdSpecified = false;
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {

```

```

        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.legal.regulatedworkload.Type.Mask type() {
        return withSubMask("type", com.softlayer.api.service.legal.regulatedworkload.Type.Mask.class);
    }

    public Mask accountId() {
        withLocalProperty("accountId");
        return this;
    }

    public Mask enabledFlag() {
        withLocalProperty("enabledFlag");
        return this;
    }

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask workloadTypeId() {
        withLocalProperty("workloadTypeId");
        return this;
    }

}

}

package com.softlayer.api.service.legal.regulatedworkload;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Legal_RegulatedWorkload_Type">SoftLayer_Legal
_RegulatedWorkload_Type</a>
 */
@ApiType("SoftLayer_Legal_RegulatedWorkload_Type")
public class Type extends Entity {

    @ApiProperty(canBeNullOrNotSet = true)
    protected Long id;

    public Long getId() {

```

```

    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String keyName;

public String getKeyName() {
    return keyName;
}

public void setKeyName(String keyName) {
    keyNameSpecified = true;
    this.keyName = keyName;
}

protected boolean keyNameSpecified;

public boolean isKeyNameSpecified() {
    return keyNameSpecified;
}

public void unsetKeyName() {
    keyName = null;
    keyNameSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

```

```

public void setName(String name) {
    nameSpecified = true;
    this.name = name;
}

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }

}

}

package com.softlayer.api.service.container.product.order.software;

import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.container.product.Order;

/**
 * This is the datatype that needs to be populated and sent to SoftLayer_Product_Order::placeOrder. This datatype
 * has everything required to place a hardware security module order with SoftLayer.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Container_Product_Order_Software_License">SoftL

```

```

ayer_Container_Product_Order_Software_License</a>
*/
@ApiType("SoftLayer_Container_Product_Order_Software_License")
public class License extends Order {

    public static class Mask extends com.softlayer.api.service.container.product.Order.Mask {

    }

}
package com.softlayer.api.service.product.item.rule.resource;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.product.item.rule.Resource;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Product_Item_Rule_Resource_Permission">SoftLay
 er_Product_Item_Rule_Resource_Permission</a>
 */
@ApiType("SoftLayer_Product_Item_Rule_Resource_Permission")
public class Permission extends Resource {

    /**
     * A user permission that the associated rule applies to.
     */
    @ApiProperty
    protected com.softlayer.api.service.user.customer.customerpermission.Permission resource;

    public com.softlayer.api.service.user.customer.customerpermission.Permission getResource() {
        return resource;
    }

    public void setResource(com.softlayer.api.service.user.customer.customerpermission.Permission resource) {
        this.resource = resource;
    }

    public static class Mask extends com.softlayer.api.service.product.item.rule.Resource.Mask {

        public com.softlayer.api.service.user.customer.customerpermission.Permission.Mask resource() {
            return withSubMask("resource",
com.softlayer.api.service.user.customer.customerpermission.Permission.Mask.class);
        }

    }

}

```

1.485 spring-amqp 1.7.4.RELEASE

1.486 spring-aop 4.3.16.RELEASE

1.487 spring-aop 4.3.11.RELEASE

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1.494 spring-aspects 4.3.6.RELEASE

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1.502 spring-boot-autoconfigure

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1.503 spring-boot-starter 1.5.12.RELEASE

1.504 spring-boot-starter-actuator 1.5.8

1.505 spring-boot-starter-amqp

1.4.4.RELEASE

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```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<meta name="description" content="Home page of The Apache Software Foundation">
```

```
<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
```

```

<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

```

```

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">

```

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```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<header>
```

```
<nav class="navbar navbar-default navbar-fixed-top">
```

```
<div class="container">
```

```
<div class="navbar-header">
```

```
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
```

```
<span class="sr-only">Toggle navigation</span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```

    <span class="icon-bar"></span>
  </button>
  <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
</div>
<div class="collapse navbar-collapse" id="mainnav-collapse">
  <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation">Overview</a></li>
        <li><a href="/foundation/members.html">Members</a></li>
        <li><a href="/foundation/how-it-works.html">Process</a></li>
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/glossary.html">Glossary</a></li>
        <li><a href="/foundation/preFAQ.html">FAQ</a></li>
        <li><a href="/foundation/contact.html ">Contact</a></li>
      </ul>
    </li>
    <li><a href="/index.html#projects-list">Projects</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="http://people.apache.org/">Overview</a></li>
        <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
        <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
        <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
        <li><a href="http://planet.apache.org/">Planet Apache</a></li>
      </ul>
    </li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
      </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>

```

```

    <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
    <li><a href="/foundation/thanks.html">Thanks</a></li>
  </ul>
</li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
  <div class="row">
    <div class="col-md-9 col-sm-8 col-xs-12">
      
      <a href="http://apache.org/foundation/contributing.html" title="Support Apache" style="margin-left: 150px;">
        
      </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-12">
      <div class="input-group" style="margin-bottom: 5px;">
        <script>
(function() {
  var cx = '005703438322411770421:5mgshgrgx2u';
  var gcse = document.createElement('script');
  gcse.type = 'text/javascript';
  gcse.async = true;
  gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '//cse.google.com/cse.js?cx=' + cx;
  var s = document.getElementsByTagName('script')[0];
  s.parentNode.insertBefore(gcse, s);
})();
</script>
      <gcse:searchbox-only></gcse:searchbox-only>
    </div>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
    <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
  </div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/

```



```

.headerlink, .elementid-permalink {
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Community</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="http://community.apache.org/">Overview</a></li>
    <li><a href="/foundation/conferences.html">Conferences</a></li>
    <li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
    <li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
    <li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
    <li><a href="/travel/">Travel Assistance</a></li>
    <li><a href="/foundation/getinvolved.html">Get Involved</a></li>
    <li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
    <li><a href="/memorials/">Memorials</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Innovation</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="http://incubator.apache.org/">Incubator</a></li>
    <li><a href="http://labs.apache.org/">Labs</a></li>
    <li><a href="/licenses/">Licensing</a></li>
    <li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Tech Operations</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/dev/">Developer Information</a></li>
    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
</div>
```

```

<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-1">
</div>

</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
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    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
  </div>
</div>
</div>

</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>

```

1.506 spring-boot-starter-aop

1.5.10.RELEASE

1.507 spring-boot-starter-data-jpa

1.5.9.RELEASE

1.508 spring-boot-starter-data-mongodb 1.5.8

1.508.1 Available under license :

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- >>> JLine (jline:jline)
- >>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
- >>> ASM 4.0 (org.ow2.asm:asm)

SECTION 2: Apache License, V2.0

- >>> JSON library from Android SDK (com.vaadin.external.google:android-json)
- >>> Apache Commons Codec (commons-codec:commons-codec)
- >>> Apache HttpClient (org.apache.httpcomponents:httpclient)
- >>> Apache HttpCore (org.apache.httpcomponents:httpcore)
- >>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
- >>> Plexus Security Dispatcher Component (org.sonatype.plexus:plexus-sec-dispatcher)
- >>> Apache Commons Logging (commons-logging:commons-logging)
- >>> Apache Groovy (org.codehaus.groovy:groovy)
- >>> Maven Aether Provider (org.apache.maven:maven-aether-provider)
- >>> Maven Model (org.apache.maven:maven-model)
- >>> Maven Model Builder (org.apache.maven:maven-model-builder)
- >>> Maven Repository Metadata Model (org.apache.maven:maven-repository-metadata)
- >>> Maven Settings (org.apache.maven:maven-settings)
- >>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
- >>> Plexus :: Component Annotations (org.codehaus.plexus:plexus-component-annotations)
- >>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
- >>> Plexus Component API (org.codehaus.plexus:plexus-component-api)
- >>> Plexus Interpolation API (org.codehaus.plexus:plexus-interpolation)

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- >>> Aether Connector Basic (org.eclipse.aether:aether-connector-basic)
- >>> Aether Implementation (org.eclipse.aether:aether-impl)
- >>> Aether SPI (org.eclipse.aether:aether-spi)
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>>> org.apache.httpcomponents:httpcore
>>> org.sonatype.plexus:plexus-cipher
>>> org.sonatype.plexus:plexus-sec-dispatcher
>>> commons-logging:commons-logging
>>> org.codehaus.groovy:groovy
>>> org.apache.maven:maven-aether-provider
>>> org.apache.maven:maven-model
>>> org.apache.maven:maven-model-builder
>>> org.apache.maven:maven-repository-metadata
>>> org.apache.maven:maven-settings
>>> org.apache.maven:maven-settings-builder
>>> org.codehaus.plexus:plexus-component-annotations
>>> org.codehaus.plexus:plexus-utils
>>> org.codehaus.plexus:plexus-component-api
>>> org.codehaus.plexus:plexus-interpolation
```

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>>> org.eclipse.aether:aether-connector-basic
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1.509 spring-boot-starter-jdbc

1.5.12.RELEASE

1.510 spring-boot-starter-log4j2

1.5.9.RELEASE

1.511 spring-boot-starter-logging

1.5.12.RELEASE

1.512 spring-boot-starter-mail 1.5.3.RELEASE

1.513 spring-boot-starter-security

1.5.8.RELEASE

1.514 spring-boot-starter-test

1.5.12.RELEASE

1.515 spring-boot-starter-tomcat

1.5.10.RELEASE

1.516 spring-boot-starter-undertow

1.5.6.RELEASE

1.517 spring-boot-starter-web

1.5.12.RELEASE

1.518 spring-boot-test 1.5.12.RELEASE

1.519 spring-boot-test-autoconfigure

1.5.12.RELEASE

1.520 spring-cloud-commons 1.2.4

1.521 spring-cloud-config-client 1.1.3

1.522 spring-cloud-config-server 1.1.3

1.523 spring-cloud-context 1.2.4

1.524 spring-cloud-netflix-core

1.3.1.RELEASE

1.524.1 Available under license :

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1.525 spring-cloud-starter 1.2.2.RELEASE

1.525.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
```

```

<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">

```

```

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```

```

</head>

```

```

<body>

```

```

<!-- Navigation -->

```

```

<header>

```

```

<nav class="navbar navbar-default navbar-fixed-top">

```

```

<div class="container">

```

```

<div class="navbar-header">

```

```

<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">

```

```

<span class="sr-only">Toggle navigation</span>

```

```

<span class="icon-bar"></span>

```

```

<span class="icon-bar"></span>

```

```

<span class="icon-bar"></span>

```

```

</button>

```

```

    <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
</div>
<div class="collapse navbar-collapse" id="mainnav-collapse">
  <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation">Overview</a></li>
        <li><a href="/foundation/members.html">Members</a></li>
        <li><a href="/foundation/how-it-works.html">Process</a></li>
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/glossary.html">Glossary</a></li>
        <li><a href="/foundation/preFAQ.html">FAQ</a></li>
        <li><a href="/foundation/contact.html ">Contact</a></li>
      </ul>
    </li>
    <li><a href="/index.html#projects-list">Projects</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="http://people.apache.org/">Overview</a></li>
        <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
        <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
        <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
        <li><a href="http://planet.apache.org/">Planet Apache</a></li>
      </ul>
    </li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
      </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>
        <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
        <li><a href="/foundation/thanks.html">Thanks</a></li>

```

```

        </ul>
    </li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
        
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
<a href="http://apache.org/foundation/contributing.html" title="Support Apache">
        
    </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
        <div class="input-group" style="margin-bottom: 5px;">
            <script>
(function() {
    var cx = '005703438322411770421:5mgshgrgx2u';
    var gcse = document.createElement('script');
    gcse.type = 'text/javascript';
    gcse.async = true;
    gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
        '//cse.google.com/cse.js?cx=' + cx;
    var s = document.getElementsByTagName('script')[0];
    s.parentNode.insertBefore(gcse, s);
})();
</script>
        <gcse:searchbox-only></gcse:searchbox-only>
    </div>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
    <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
    </div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.

```

```

*/
.headerlink, .elementid-permalink {
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
<div class="col-sm-2">
  <h5 class="white">Community</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="http://community.apache.org/">Overview</a></li>
    <li><a href="/foundation/conferences.html">Conferences</a></li>
    <li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
    <li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
    <li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
    <li><a href="/travel/">Travel Assistance</a></li>
    <li><a href="/foundation/getinvolved.html">Get Involved</a></li>
    <li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
    <li><a href="/memorials/">Memorials</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Innovation</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="http://incubator.apache.org/">Incubator</a></li>
    <li><a href="http://labs.apache.org/">Labs</a></li>
    <li><a href="/licenses/">Licensing</a></li>
    <li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Tech Operations</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/dev/">Developer Information</a></li>
    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
```

```

</div>

<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-1">
</div>

</div>
<hr class="col-lg-12 hr-white" />
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  <div class="col-lg-12">
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</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>

```

1.526 spring-cloud-starter-config 1.1.3

1.526.1 Available under license :

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">

```

```

<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">

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compliance with the License. You may obtain a copy of the License at . http://www.apache.org/licenses/LICENSE-
2.0 . Unless required by applicable law or agreed to in writing, software distributed under the License is distributed
on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License. -->

</head>

<body>
<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">

```

```

<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
  <span class="sr-only">Toggle navigation</span>
  <span class="icon-bar"></span>
  <span class="icon-bar"></span>
  <span class="icon-bar"></span>
</button>
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
</div>
<div class="collapse navbar-collapse" id="mainnav-collapse">
  <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation">Overview</a></li>
        <li><a href="/foundation/members.html">Members</a></li>
        <li><a href="/foundation/how-it-works.html">Process</a></li>
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/glossary.html">Glossary</a></li>
        <li><a href="/foundation/preFAQ.html">FAQ</a></li>
        <li><a href="/foundation/contact.html">Contact</a></li>
      </ul>
    </li>
    <li><a href="/index.html#projects-list">Projects</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="http://people.apache.org/">Overview</a></li>
        <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
        <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
        <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
        <li><a href="http://planet.apache.org/">Planet Apache</a></li>
      </ul>
    </li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
      </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span

```

```

class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
  <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
  <li><a href="/foundation/contributing.html">Donations</a></li>
  <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
  <li><a href="/foundation/thanks.html">Thanks</a></li>
  </ul>
</li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
  <div class="col-md-9 col-sm-8 col-xs-12">
    
  </div>
  <div class="col-md-3 col-sm-4 col-xs-12">
    <div class="input-group" style="margin-bottom: 5px;">
      <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
  '//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
  <gcse:searchbox-only></gcse:searchbox-only>
</div>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
  <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.

```

```

*/
.headerlink, .elementid-permalink {
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
<p>Apache License<br></br>Version 2.0, January 2004<br></br>
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
<div class="col-sm-2">
  <h5 class="white">Community</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="http://community.apache.org/">Overview</a></li>
    <li><a href="/foundation/conferences.html">Conferences</a></li>
    <li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
    <li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
    <li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
    <li><a href="/travel/">Travel Assistance</a></li>
    <li><a href="/foundation/getinvolved.html">Get Involved</a></li>
    <li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
    <li><a href="/memorials/">Memorials</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Innovation</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="http://incubator.apache.org/">Incubator</a></li>
    <li><a href="http://labs.apache.org/">Labs</a></li>
    <li><a href="/licenses/">Licensing</a></li>
    <li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Tech Operations</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/dev/">Developer Information</a></li>
    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
```

```

</div>

<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-1">
</div>

</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright &#169; 2016 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
  </div>
</div>
</div>

</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>

```

1.527 spring-cloud-starter-hystrix

1.3.1.RELEASE

1.527.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta name="description" content="Home page of The Apache Software Foundation">

  <link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
  <link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
  <link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
  <link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
  <link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
  <link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
  <link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
  <link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
  <link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
  <link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
  <link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
  <link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
  <link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
  <link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
  <link rel="manifest" href="/favicons/manifest.json">
  <link rel="shortcut icon" href="/favicons/favicon.ico">
  <meta name="msapplication-TileColor" content="#603cba">
  <meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
  <meta name="msapplication-config" content="/favicons/browserconfig.xml">
  <meta name="theme-color" content="#303284">

  <title>Apache License, Version 2.0</title>
  <link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
  <link href="/css/min.bootstrap.css" rel="stylesheet">
  <link href="/css/styles.css" rel="stylesheet">

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on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License. -->

</head>

<body>
```

```

<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
  <div class="container">
    <div class="navbar-header">
      <button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
    </div>
    <div class="collapse navbar-collapse" id="mainnav-collapse">
      <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
      <ul class="nav navbar-nav navbar-right">
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation">Overview</a></li>
            <li><a href="/foundation/members.html">Members</a></li>
            <li><a href="/foundation/how-it-works.html">Process</a></li>
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/glossary.html">Glossary</a></li>
            <li><a href="/foundation/preFAQ.html">FAQ</a></li>
            <li><a href="/foundation/contact.html ">Contact</a></li>
          </ul>
        </li>
        <li><a href="/index.html#projects-list">Projects</a></li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="http://people.apache.org">Overview</a></li>
            <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
            <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
            <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
            <li><a href="http://planet.apache.org/">Planet Apache</a></li>
          </ul>
        </li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation/getinvolved.html">Overview</a></li>
            <li><a href="http://community.apache.org/">Community Development</a></li>
            <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
            <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>

```

```

        </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
        <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
        <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/contributing.html">Donations</a></li>
            <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
            <li><a href="/foundation/thanks.html">Thanks</a></li>
        </ul>
    </li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
<div class="col-md-9 col-sm-8 col-xs-12">
    
<a href="http://apache.org/foundation/contributing.html" title="Support Apache" style="margin-left: 150px;">

</a>
</div>
<div class="col-md-3 col-sm-4 col-xs-12">
    <div class="input-group" style="margin-bottom: 5px;">
        <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
    <gcse:searchbox-only></gcse:searchbox-only>
</div>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
<a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>

```



```

</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
<p>Apache License<br><br>Version 2.0, January 2004<br><br>
<a href="http://www.apache.org/licenses/">http://www.apache.org/licenses/</a> </p>
<p>TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION</p>
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entities that control, are controlled by, or are under common control with
that entity. For the purposes of this definition, "control" means (i) the
power, direct or indirect, to cause the direction or management of such
entity, whether by contract or otherwise, or (ii) ownership of fifty
percent (50%) or more of the outstanding shares, or (iii) beneficial
ownership of such entity.</p>
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object code, generated documentation, and conversions to other media types.</p>
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Works thereof.</p>

```

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<p>END OF TERMS AND CONDITIONS</p>

<h1 id="apply">APPENDIX: How to apply the Apache License to your work¶</h1>

<p>To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.</p>

<div class="codehilite"><pre>Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

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</pre></div></div>

<!-- Footer -->

```
<footer class="bg-primary">
<div class="container">
  <div class="row">
    <br />
    <div class="col-sm-1">

</div>
<div class="col-sm-2">
  <h5 class="white">Community</h5>
  <ul class="list-unstyled white" role="menu">
<li><a href="http://community.apache.org/">Overview</a></li>
<li><a href="/foundation/conferences.html">Conferences</a></li>
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
<li><a href="/travel/">Travel Assistance</a></li>
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
<li><a href="/memorials/">Memorials</a></li>
  </ul>
</div>

<div class="col-sm-2">
<h5 class="white">Innovation</h5>
  <ul class="list-unstyled white" role="menu">
<li><a href="http://incubator.apache.org/">Incubator</a></li>
<li><a href="http://labs.apache.org/">Labs</a></li>
<li><a href="/licenses/">Licensing</a></li>
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-2">
<h5 class="white">Tech Operations</h5>
  <ul class="list-unstyled white" role="menu">
<li><a href="/dev/">Developer Information</a></li>
<li><a href="/dev/infrastructure.html">Infrastructure</a></li>
<li><a href="/security/">Security</a></li>
<li><a href="http://status.apache.org">Status</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>

<div class="col-sm-2">
```

```
<h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
```

```
<hr class="col-lg-12 hr-white" />
```

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

```
<div class="col-lg-12">
```

```
<p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
```

```
<p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</footer>
```

```
<!-- / Footer -->
```

```
<script src="/js/jquery-2.1.1.min.js"></script>
```

```
<script src="/js/bootstrap.js"></script>
```

```
</body>
```

```
</html>
```

1.528 spring-cloud-starter-ribbon

1.3.1.RELEASE

1.528.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">
```

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on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. -->

```
</head>

<body>
<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
  <div class="container">
    <div class="navbar-header">
      <button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
    </div>
    <div class="collapse navbar-collapse" id="mainnav-collapse">
      <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a href="/licenses/">Licenses</a></div>
      <ul class="nav navbar-nav navbar-right">
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="/foundation">Overview</a></li>
            <li><a href="/foundation/members.html">Members</a></li>
            <li><a href="/foundation/how-it-works.html">Process</a></li>
            <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
            <li><a href="/foundation/glossary.html">Glossary</a></li>
            <li><a href="/foundation/preFAQ.html">FAQ</a></li>
            <li><a href="/foundation/contact.html">Contact</a></li>
          </ul>
        </li>
        <li><a href="/index.html#projects-list">Projects</a></li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="http://people.apache.org/">Overview</a></li>
            <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
            <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
            <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
            <li><a href="http://planet.apache.org/">Planet Apache</a></li>
          </ul>
        </li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
```



```

class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="/foundation/getinvolved.html">Overview</a></li>
    <li><a href="http://community.apache.org/">Community Development</a></li>
      <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
    <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
  </ul>
</li>
<li><a href="/dyn/closer.cgi">Download</a></li>
<li class="dropdown">
  <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
    <li><a href="/foundation/contributing.html">Donations</a></li>
    <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
    <li><a href="/foundation/thanks.html">Thanks</a></li>
  </ul>
</li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
  <div class="col-md-9 col-sm-8 col-xs-12">
    
    <a href="http://apache.org/foundation/contributing.html" title="Support Apache" style="margin-left: 150px;">
    
  </a>
</div>
  <div class="col-md-3 col-sm-4 col-xs-12">
    <div class="input-group" style="margin-bottom: 5px;">
      <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
  '//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
<gcse:searchbox-only></gcse:searchbox-only>

```

```

</div>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
<a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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<p>"Legal Entity" shall mean the union of the acting entity and all other
entities that control, are controlled by, or are under common control with
that entity. For the purposes of this definition, "control" means (i) the
power, direct or indirect, to cause the direction or management of such
entity, whether by contract or otherwise, or (ii) ownership of fifty
percent (50%) or more of the outstanding shares, or (iii) beneficial
ownership of such entity.</p>
<p>"You" (or "Your") shall mean an individual or Legal Entity exercising
permissions granted by this License.</p>
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including but not limited to software source code, documentation source,
and configuration files.</p>
<p>"Object" form shall mean any form resulting from mechanical transformation
or translation of a Source form, including but not limited to compiled
object code, generated documentation, and conversions to other media types.</p>
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```

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limitations under the License.

```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://community.apache.org/">Overview</a></li>
```

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
```

```
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
```

```
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
```

```
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
```

```
<li><a href="/travel/">Travel Assistance</a></li>
```

```
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
```

```
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
```

```
<li><a href="/memorials/">Memorials</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Innovation</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://incubator.apache.org/">Incubator</a></li>
```

```
<li><a href="http://labs.apache.org/">Labs</a></li>
```

```
<li><a href="/licenses/">Licensing</a></li>
```

```
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
```

```
<li><a href="/foundation/marks/">Trademark Policy</a></li>
```

```
<li><a href="/foundation/contact.html">Contacts</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Tech Operations</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="/dev/">Developer Information</a></li>
```

```
<li><a href="/dev/infrastructure.html">Infrastructure</a></li>
```

```
<li><a href="/security/">Security</a></li>
```

```
<li><a href="http://status.apache.org">Status</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Press</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/press/">Overview</a></li>
<li><a href="https://blogs.apache.org/">ASF News</a></li>
<li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
<li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
<li><a href="/press/#contact">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Legal</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/legal/">Legal Affairs</a></li>
<li><a href="/licenses/">Licenses</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/records/">Public Records</a></li>
<li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
<li><a href="/licenses/exports/">Export Information</a></li>
<li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
<div class="col-lg-12">
<p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
<p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
</div>
</div>
</div>
</footer>
<!-- / Footer -->
```

```
<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>
```

1.529 spring-cloud-starter-zuul

1.3.1.RELEASE

1.529.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">
```


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</head>

<body>

<!-- Navigation -->

<header>

<nav class="navbar navbar-default navbar-fixed-top">

<div class="container">

<div class="navbar-header">

<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">

Toggle navigation

</button>

</div>

<div class="collapse navbar-collapse" id="mainnav-collapse">

<div style="line-height:20px; padding-top:5px; float:left">Home » &a href="/licenses/">Licenses</div>

<ul class="nav navbar-nav navbar-right">

<li class="dropdown">

About

<ul class="dropdown-menu" role="menu">

Overview

Members

Process

Sponsorship

Glossary

FAQ

Contact

Projects

<li class="dropdown">

People

<ul class="dropdown-menu" role="menu">

Overview

Committers

Meritocracy

Roles

```

<li><a href="http://planet.apache.org/">Planet Apache</a></li>
</ul>
</li>
<li class="dropdown">
  <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="/foundation/getinvolved.html">Overview</a></li>
    <li><a href="http://community.apache.org/">Community Development</a></li>
    <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
    <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
  </ul>
</li>
<li><a href="/dyn/closer.cgi">Download</a></li>
<li class="dropdown">
  <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
    <li><a href="/foundation/contributing.html">Donations</a></li>
    <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
    <li><a href="/foundation/thanks.html">Thanks</a></li>
  </ul>
</li>
</ul>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
<div class="col-md-9 col-sm-8 col-xs-12">
  
  <a href="http://apache.org/foundation/contributing.html" title="Support Apache" style="margin-left: 150px;">
  
</a>
</div>
<div class="col-md-3 col-sm-4 col-xs-12">
  <div class="input-group" style="margin-bottom: 5px;">
  <script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
  '//cse.google.com/cse.js?cx=' + cx;

```

```

var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
<gcse:searchbox-only></gcse:searchbox-only>
</div>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
<a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
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```
</pre></div></div>
```

```
<!-- Footer -->
```

```
<footer class="bg-primary">
```

```
<div class="container">
```

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

```
<br />
```

```
<div class="col-sm-1">
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Community</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://community.apache.org/">Overview</a></li>
```

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
```

```
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
```

```
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
```

```
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
```

```
<li><a href="/travel/">Travel Assistance</a></li>
```

```
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
```

```
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
```

```
<li><a href="/memorials/">Memorials</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Innovation</h5>
```

```
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="http://incubator.apache.org/">Incubator</a></li>
```

```
<li><a href="http://labs.apache.org/">Labs</a></li>
```

```
<li><a href="/licenses/">Licensing</a></li>
```

```
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
```

```
<li><a href="/foundation/marks/">Trademark Policy</a></li>
```

```
<li><a href="/foundation/contact.html">Contacts</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-sm-2">
```

```
<h5 class="white">Tech Operations</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/dev/">Developer Information</a></li>
    <li><a href="/dev/infrastructure.html">Infrastructure</a></li>
    <li><a href="/security/">Security</a></li>
    <li><a href="http://status.apache.org">Status</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Press</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/press/">Overview</a></li>
    <li><a href="https://blogs.apache.org/">ASF News</a></li>
    <li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
    <li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
    <li><a href="/press/#contact">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-2">
  <h5 class="white">Legal</h5>
  <ul class="list-unstyled white" role="menu">
    <li><a href="/legal/">Legal Affairs</a></li>
    <li><a href="/licenses/">Licenses</a></li>
    <li><a href="/foundation/marks/">Trademark Policy</a></li>
    <li><a href="/foundation/records/">Public Records</a></li>
    <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
    <li><a href="/licenses/exports/">Export Information</a></li>
    <li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
    <li><a href="/foundation/contact.html">Contacts</a></li>
  </ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
<hr class="col-lg-12 hr-white" />
<div class="row">
  <div class="col-lg-12">
    <p class="text-center">Copyright &#169; 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
    <p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
  </div>
</div>
```



```
</div>

</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>
```

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<link href="/css/styles.css" rel="stylesheet">

```

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```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<header>
```

```
<nav class="navbar navbar-default navbar-fixed-top">
```

```
<div class="container">
```

```
<div class="navbar-header">
```

```
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
```

```
<span class="sr-only">Toggle navigation</span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
```

```
</div>
```

```
<div class="collapse navbar-collapse" id="mainnav-collapse">
```

```
<div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&raquo;&nbsp;&raquo;<a href="/licenses/">Licenses</a></div>
```

```

<ul class="nav navbar-nav navbar-right">
  <li class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
    <ul class="dropdown-menu" role="menu">
      <li><a href="/foundation">Overview</a></li>
      <li><a href="/foundation/members.html">Members</a></li>
      <li><a href="/foundation/how-it-works.html">Process</a></li>
      <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
      <li><a href="/foundation/glossary.html">Glossary</a></li>
      <li><a href="/foundation/preFAQ.html">FAQ</a></li>
      <li><a href="/foundation/contact.html ">Contact</a></li>
    </ul>
  </li>
</li><a href="/index.html#projects-list">Projects</a></li>
<li class="dropdown">
  <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="http://people.apache.org">Overview</a></li>
    <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
    <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
    <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
    <li><a href="http://planet.apache.org/">Planet Apache</a></li>
  </ul>
</li>
<li class="dropdown">
  <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="/foundation/getinvolved.html">Overview</a></li>
    <li><a href="http://community.apache.org">Community Development</a></li>
    <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
    <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
  </ul>
</li>
<li><a href="/dyn/closer.cgi">Download</a></li>
<li class="dropdown">
  <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
  <ul class="dropdown-menu" role="menu">
    <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
    <li><a href="/foundation/contributing.html">Donations</a></li>
    <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
    <li><a href="/foundation/thanks.html">Thanks</a></li>
  </ul>
</li>
</ul>
</div>
</div>

```

```

</nav>
</header>
<!-- / Navigation -->
<div class="container">
  <div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
      
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
      <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
        
      </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
      <div class="input-group" style="margin-bottom: 5px;">
        <script>
(function() {
  var cx = '005703438322411770421:5mgshgrgx2u';
  var gcse = document.createElement('script');
  gcse.type = 'text/javascript';
  gcse.async = true;
  gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
    '//cse.google.com/cse.js?cx=' + cx;
  var s = document.getElementsByTagName('script')[0];
  s.parentNode.insertBefore(gcse, s);
})();
</script>
  <gcse:searchbox-only></gcse:searchbox-only>
</div>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
  <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
  <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >

```

.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>

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</br>

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</pre></div></div>

<!-- Footer -->

<footer class="bg-primary">

<div class="container">

<div class="row">

<div class="col-sm-1">

</div>

<div class="col-sm-2">

<h5 class="white">Community</h5>

<ul class="list-unstyled white" role="menu">

Overview

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
<li><a href="/travel/">Travel Assistance</a></li>
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
<li><a href="/memorials/">Memorials</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Innovation</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="http://incubator.apache.org/">Incubator</a></li>
<li><a href="http://labs.apache.org/">Labs</a></li>
<li><a href="/licenses/">Licensing</a></li>
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Tech Operations</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/dev/">Developer Information</a></li>
<li><a href="/dev/infrastructure.html">Infrastructure</a></li>
<li><a href="/security/">Security</a></li>
<li><a href="http://status.apache.org">Status</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Press</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/press/">Overview</a></li>
<li><a href="https://blogs.apache.org/">ASF News</a></li>
<li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
<li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
<li><a href="/press/#contact">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Legal</h5>
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="/legal/">Legal Affairs</a></li>
<li><a href="/licenses/">Licenses</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/records/">Public Records</a></li>
  <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
<li><a href="/licenses/exports/">Export Information</a></li>
<li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
```

```
<hr class="col-lg-12 hr-white" />
```

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

```
<div class="col-lg-12">
```

```
<p class="text-center">Copyright © 1999-2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
```

```
<p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</footer>
```

```
<!-- / Footer -->
```

```
<script src="/js/jquery-2.1.1.min.js"></script>
```

```
<script src="/js/bootstrap.js"></script>
```

```
</body>
```

```
</html>
```

1.577 spring-security-saml2-core

1.0.1.RELEASE

1.578 spring-security-taglibs-4.0.3.RELEASE

4.0.3

1.579 spring-security-web 4.2.3.RELEASE

1.579.1 Available under license :

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1.580 spring-security-web 4.2.2.RELEASE

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1.581 spring-test 4.3.5.RELEASE

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1.582 spring-test 4.3.8.RELEASE

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1.583 spring-tx 4.3.8.RELEASE

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1.584 spring-tx 4.3.11.RELEASE

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1.585 spring-tx 4.3.16.RELEASE

1.586 spring-tx 4.2.3.RELEASE

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1.587 spring-web 4.3.8.RELEASE

1.588 spring-web 4.3.11.RELEASE

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1.589 spring-web 4.3.9.RELEASE

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1.590 spring-web 4.3.5.RELEASE

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1.591 spring-webmvc 4.3.9.RELEASE

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- jsp_2_2.xsd
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- web-common_3_0.xsd
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- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- javaee_web_services_1_4.xsd
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1.624 tomcat-juli 8.5.29

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1.628 transactions-jta 3.8.0

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David Megginson, david@megginson.com
2000-05-05

1.646 XML Pull Parsing API 1.1.3.1

1.647 xml-apis 1.4.01

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2000-05-05

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