| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DelegationPermission.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/javax/security/auth/kerberos/KerberosKey.html) | [**FRAMES**](http://docs.google.com/index.html?javax/security/auth/kerberos/DelegationPermission.html)    [**NO FRAMES**](http://docs.google.com/DelegationPermission.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#3rdcrjn) |

## **javax.security.auth.kerberos**

Class DelegationPermission

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.security.Permission](http://docs.google.com/java/security/Permission.html)  
 [java.security.BasicPermission](http://docs.google.com/java/security/BasicPermission.html)  
 **javax.security.auth.kerberos.DelegationPermission**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Guard](http://docs.google.com/java/security/Guard.html)

public final class **DelegationPermission**extends [BasicPermission](http://docs.google.com/java/security/BasicPermission.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

This class is used to restrict the usage of the Kerberos delegation model, ie: forwardable and proxiable tickets.

The target name of this Permission specifies a pair of kerberos service principals. The first is the subordinate service principal being entrusted to use the TGT. The second service principal designates the target service the subordinate service principal is to interact with on behalf of the initiating KerberosPrincipal. This latter service principal is specified to restrict the use of a proxiable ticket.

For example, to specify the "host" service use of a forwardable TGT the target permission is specified as follows:

DelegationPermission("\"host/foo.example.com@EXAMPLE.COM\" \"krbtgt/EXAMPLE.COM@EXAMPLE.COM\"");

To give the "backup" service a proxiable nfs service ticket the target permission might be specified:

DelegationPermission("\"backup/bar.example.com@EXAMPLE.COM\" \"nfs/home.EXAMPLE.COM@EXAMPLE.COM\"");

**Since:** 1.4 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.security.auth.kerberos.DelegationPermission)

| **Constructor Summary** | |
| --- | --- |
| [**DelegationPermission**](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html#DelegationPermission(java.lang.String))([String](http://docs.google.com/java/lang/String.html) principals)            Create a new DelegationPermission with the specified subordinate and target principals. |
| [**DelegationPermission**](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html#DelegationPermission(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) principals, [String](http://docs.google.com/java/lang/String.html) actions)            Create a new DelegationPermission with the specified subordinate and target principals. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Checks two DelegationPermission objects for equality. |
| int | [**hashCode**](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html#hashCode())()            Returns the hash code value for this object. |
| boolean | [**implies**](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html#implies(java.security.Permission))([Permission](http://docs.google.com/java/security/Permission.html) p)            Checks if this Kerberos delegation permission object "implies" the specified permission. |
| [PermissionCollection](http://docs.google.com/java/security/PermissionCollection.html) | [**newPermissionCollection**](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html#newPermissionCollection())()            Returns a PermissionCollection object for storing DelegationPermission objects. |

| **Methods inherited from class java.security.**[**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html) |
| --- |
| [getActions](http://docs.google.com/java/security/BasicPermission.html#getActions()) |

| **Methods inherited from class java.security.**[**Permission**](http://docs.google.com/java/security/Permission.html) |
| --- |
| [checkGuard](http://docs.google.com/java/security/Permission.html#checkGuard(java.lang.Object)), [getName](http://docs.google.com/java/security/Permission.html#getName()), [toString](http://docs.google.com/java/security/Permission.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### DelegationPermission

public **DelegationPermission**([String](http://docs.google.com/java/lang/String.html) principals)

Create a new DelegationPermission with the specified subordinate and target principals.

**Parameters:**principals - the name of the subordinate and target principals **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if principals is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if principals is empty.

### DelegationPermission

public **DelegationPermission**([String](http://docs.google.com/java/lang/String.html) principals,  
 [String](http://docs.google.com/java/lang/String.html) actions)

Create a new DelegationPermission with the specified subordinate and target principals.

**Parameters:**principals - the name of the subordinate and target principals

actions - should be null. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if principals is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if principals is empty.

| **Method Detail** |
| --- |

### implies

public boolean **implies**([Permission](http://docs.google.com/java/security/Permission.html) p)

Checks if this Kerberos delegation permission object "implies" the specified permission.

If none of the above are true, implies returns false.

**Overrides:**[implies](http://docs.google.com/java/security/BasicPermission.html#implies(java.security.Permission)) in class [BasicPermission](http://docs.google.com/java/security/BasicPermission.html) **Parameters:**p - the permission to check against. **Returns:**true if the specified permission is implied by this object, false if not.

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) obj)

Checks two DelegationPermission objects for equality.

**Overrides:**[equals](http://docs.google.com/java/security/BasicPermission.html#equals(java.lang.Object)) in class [BasicPermission](http://docs.google.com/java/security/BasicPermission.html) **Parameters:**obj - the object to test for equality with this object. **Returns:**true if *obj* is a DelegationPermission, and has the same subordinate and service principal as this. DelegationPermission object.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Returns the hash code value for this object.

**Overrides:**[hashCode](http://docs.google.com/java/security/BasicPermission.html#hashCode()) in class [BasicPermission](http://docs.google.com/java/security/BasicPermission.html) **Returns:**a hash code value for this object.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### newPermissionCollection

public [PermissionCollection](http://docs.google.com/java/security/PermissionCollection.html) **newPermissionCollection**()

Returns a PermissionCollection object for storing DelegationPermission objects.

DelegationPermission objects must be stored in a manner that allows them to be inserted into the collection in any order, but that also enables the PermissionCollection implies method to be implemented in an efficient (and consistent) manner.

**Overrides:**[newPermissionCollection](http://docs.google.com/java/security/BasicPermission.html#newPermissionCollection()) in class [BasicPermission](http://docs.google.com/java/security/BasicPermission.html) **Returns:**a new PermissionCollection object suitable for storing DelegationPermissions.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DelegationPermission.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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