Overview   Package   Class   Use   Tree   Deprecated   Index   Help

Prev Class   **Next Class**   Frames   No Frames   All Classes
Summary: Nested | Field | Constr | Method   Detail: Field | Constr | Method

---

javax.security.auth.kerberos

Class DelegationPermission

java.lang.Object
    java.security.Permission
        java.security.BasicPermission
            javax.security.auth.kerberos.DelegationPermission

All Implemented Interfaces:

Serializable, Guard

```
public final class DelegationPermission
extends BasicPermission
implements Serializable
```

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

Constructor Summary

Constructors

Constructor and Description
DelegationPermission(String principals) Create a new DelegationPermission with the specified subordinate and target principals.
DelegationPermission(String principals, String actions) Create a new DelegationPermission with the specified subordinate and target principals.

Method Summary

Methods

Modifier and Type	Method and Description
boolean	**equals**(**Object** obj) Checks two DelegationPermission objects for equality.
int	**hashCode**() Returns the hash code value for this object.
boolean	**implies**(**Permission** p) Checks if this Kerberos delegation permission object "implies" the specified permission.
PermissionCollection	**newPermissionCollection**() Returns a PermissionCollection object for storing DelegationPermission objects.

Methods inherited from class java.security.BasicPermission

getActions

Methods inherited from class java.security.Permission

checkGuard, getName, toString

Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

Constructor Detail

DelegationPermission

public DelegationPermission(String principals)

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

Parameters:

principals - the name of the subordinate and target principals

Throws:

NullPointerException - if principals is null.

IllegalArgumentException - if principals is empty.

DelegationPermission

public DelegationPermission(String principals,
                 String 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` - if principals is null.

`IllegalArgumentException` - if principals is empty.

Method Detail

implies

`public boolean implies(Permission p)`

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

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

Overrides:

implies in class `BasicPermission`

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 obj)`

Checks two DelegationPermission objects for equality.

Overrides:

equals in class `BasicPermission`

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()`, `HashMap`

hashCode

`public int hashCode()`

Returns the hash code value for this object.

Overrides:

hashCode in class `BasicPermission`

Returns:

a hash code value for this object.

See Also:

Object.equals(java.lang.Object), System.identityHashCode(java.lang.Object)

---

newPermissionCollection

public PermissionCollection 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 in class BasicPermission

Returns:

a new PermissionCollection object suitable for storing DelegationPermissions.

Overview Package | Class | Use Tree Deprecated Index Help

Prev Class **Next Class**   Frames No Frames   All Classes
Summary: Nested | Field | Constr | Method   Detail: Field | Constr | Method

Submit a bug or feature
For further API reference and developer documentation, see Java SE Documentation. That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.