| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicPermission.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**](http://docs.google.com/java/security/AuthProvider.html)   [**NEXT CLASS**](http://docs.google.com/java/security/Certificate.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/BasicPermission.html)    [**NO FRAMES**](http://docs.google.com/BasicPermission.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#17dp8vu) |

## **java.security**

Class BasicPermission

[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**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Guard](http://docs.google.com/java/security/Guard.html) **Direct Known Subclasses:** [AudioPermission](http://docs.google.com/javax/sound/sampled/AudioPermission.html), [AuthPermission](http://docs.google.com/javax/security/auth/AuthPermission.html), [AWTPermission](http://docs.google.com/java/awt/AWTPermission.html), [DelegationPermission](http://docs.google.com/javax/security/auth/kerberos/DelegationPermission.html), [LoggingPermission](http://docs.google.com/java/util/logging/LoggingPermission.html), [ManagementPermission](http://docs.google.com/java/lang/management/ManagementPermission.html), [MBeanServerPermission](http://docs.google.com/javax/management/MBeanServerPermission.html), [MBeanTrustPermission](http://docs.google.com/javax/management/MBeanTrustPermission.html), [NetPermission](http://docs.google.com/java/net/NetPermission.html), [PropertyPermission](http://docs.google.com/java/util/PropertyPermission.html), [ReflectPermission](http://docs.google.com/java/lang/reflect/ReflectPermission.html), [RuntimePermission](http://docs.google.com/java/lang/RuntimePermission.html), [SecurityPermission](http://docs.google.com/java/security/SecurityPermission.html), [SerializablePermission](http://docs.google.com/java/io/SerializablePermission.html), [SQLPermission](http://docs.google.com/java/sql/SQLPermission.html), [SSLPermission](http://docs.google.com/javax/net/ssl/SSLPermission.html), [SubjectDelegationPermission](http://docs.google.com/javax/management/remote/SubjectDelegationPermission.html), [WebServicePermission](http://docs.google.com/javax/xml/ws/WebServicePermission.html)

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

The BasicPermission class extends the Permission class, and can be used as the base class for permissions that want to follow the same naming convention as BasicPermission.

The name for a BasicPermission is the name of the given permission (for example, "exit", "setFactory", "print.queueJob", etc). The naming convention follows the hierarchical property naming convention. An asterisk may appear by itself, or if immediately preceded by a "." may appear at the end of the name, to signify a wildcard match. For example, "\*" and "java.\*" are valid, while "\*java", "a\*b", and "java\*" are not valid.

The action string (inherited from Permission) is unused. Thus, BasicPermission is commonly used as the base class for "named" permissions (ones that contain a name but no actions list; you either have the named permission or you don't.) Subclasses may implement actions on top of BasicPermission, if desired.

**See Also:**[Permission](http://docs.google.com/java/security/Permission.html), [Permissions](http://docs.google.com/java/security/Permissions.html), [PermissionCollection](http://docs.google.com/java/security/PermissionCollection.html), [RuntimePermission](http://docs.google.com/java/lang/RuntimePermission.html), [SecurityPermission](http://docs.google.com/java/security/SecurityPermission.html), [PropertyPermission](http://docs.google.com/java/util/PropertyPermission.html), [AWTPermission](http://docs.google.com/java/awt/AWTPermission.html), [NetPermission](http://docs.google.com/java/net/NetPermission.html), [SecurityManager](http://docs.google.com/java/lang/SecurityManager.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.security.BasicPermission)

| **Constructor Summary** | |
| --- | --- |
| [**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html#BasicPermission(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a new BasicPermission with the specified name. |
| [**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html#BasicPermission(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) actions)            Creates a new BasicPermission object with the specified name. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/security/BasicPermission.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Checks two BasicPermission objects for equality. |
| [String](http://docs.google.com/java/lang/String.html) | [**getActions**](http://docs.google.com/java/security/BasicPermission.html#getActions())()            Returns the canonical string representation of the actions, which currently is the empty string "", since there are no actions for a BasicPermission. |
| int | [**hashCode**](http://docs.google.com/java/security/BasicPermission.html#hashCode())()            Returns the hash code value for this object. |
| boolean | [**implies**](http://docs.google.com/java/security/BasicPermission.html#implies(java.security.Permission))([Permission](http://docs.google.com/java/security/Permission.html) p)            Checks if the specified permission is "implied" by this object. |
| [PermissionCollection](http://docs.google.com/java/security/PermissionCollection.html) | [**newPermissionCollection**](http://docs.google.com/java/security/BasicPermission.html#newPermissionCollection())()            Returns a new PermissionCollection object for storing BasicPermission objects. |

| **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** |
| --- |

### BasicPermission

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

Creates a new BasicPermission with the specified name. Name is the symbolic name of the permission, such as "setFactory", "print.queueJob", or "topLevelWindow", etc.

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

### BasicPermission

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

Creates a new BasicPermission object with the specified name. The name is the symbolic name of the BasicPermission, and the actions String is currently unused.

**Parameters:**name - the name of the BasicPermission.actions - ignored. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if name is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name is empty.

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

### implies

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

Checks if the specified permission is "implied" by this object.

More specifically, this method returns true if:

* *p*'s class is the same as this object's class, and
* *p*'s name equals or (in the case of wildcards) is implied by this object's name. For example, "a.b.\*" implies "a.b.c".

**Specified by:**[implies](http://docs.google.com/java/security/Permission.html#implies(java.security.Permission)) in class [Permission](http://docs.google.com/java/security/Permission.html) **Parameters:**p - the permission to check against. **Returns:**true if the passed permission is equal to or implied by this permission, false otherwise.

### equals

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

Checks two BasicPermission objects for equality. Checks that *obj*'s class is the same as this object's class and has the same name as this object.

**Specified by:**[equals](http://docs.google.com/java/security/Permission.html#equals(java.lang.Object)) in class [Permission](http://docs.google.com/java/security/Permission.html) **Parameters:**obj - the object we are testing for equality with this object. **Returns:**true if *obj* is a BasicPermission, and has the same name as this BasicPermission object, false otherwise.**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. The hash code used is the hash code of the name, that is, getName().hashCode(), where getName is from the Permission superclass.

**Specified by:**[hashCode](http://docs.google.com/java/security/Permission.html#hashCode()) in class [Permission](http://docs.google.com/java/security/Permission.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)

### getActions

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

Returns the canonical string representation of the actions, which currently is the empty string "", since there are no actions for a BasicPermission.

**Specified by:**[getActions](http://docs.google.com/java/security/Permission.html#getActions()) in class [Permission](http://docs.google.com/java/security/Permission.html) **Returns:**the empty string "".

### newPermissionCollection

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

Returns a new PermissionCollection object for storing BasicPermission objects.

A BasicPermissionCollection stores a collection of BasicPermission permissions.

BasicPermission objects must be stored in a manner that allows them to be inserted 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/Permission.html#newPermissionCollection()) in class [Permission](http://docs.google.com/java/security/Permission.html) **Returns:**a new PermissionCollection object suitable for storing BasicPermissions.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicPermission.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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