| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SerializablePermission.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/io/Serializable.html)   [**NEXT CLASS**](http://docs.google.com/java/io/StreamCorruptedException.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/SerializablePermission.html)    [**NO FRAMES**](http://docs.google.com/SerializablePermission.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#4d34og8) | METHOD |

## **java.io**

Class SerializablePermission

[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)  
 **java.io.SerializablePermission**

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

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

This class is for Serializable permissions. A SerializablePermission contains a name (also referred to as a "target name") but no actions list; you either have the named permission or you don't.

The target name is the name of the Serializable permission (see below).

The following table lists all the possible SerializablePermission target names, and for each provides a description of what the permission allows and a discussion of the risks of granting code the permission.

| Permission Target Name | What the Permission Allows | Risks of Allowing this Permission |
| --- | --- | --- |
| enableSubclassImplementation | Subclass implementation of ObjectOutputStream or ObjectInputStream to override the default serialization or deserialization, respectively, of objects | Code can use this to serialize or deserialize classes in a purposefully malfeasant manner. For example, during serialization, malicious code can use this to purposefully store confidential private field data in a way easily accessible to attackers. Or, during deserialization it could, for example, deserialize a class with all its private fields zeroed out. |
| enableSubstitution | Substitution of one object for another during serialization or deserialization | This is dangerous because malicious code can replace the actual object with one which has incorrect or malignant data. |

**Since:** 1.2 **See Also:**[BasicPermission](http://docs.google.com/java/security/BasicPermission.html), [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), [SecurityManager](http://docs.google.com/java/lang/SecurityManager.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.io.SerializablePermission)

| **Constructor Summary** | |
| --- | --- |
| [**SerializablePermission**](http://docs.google.com/java/io/SerializablePermission.html#SerializablePermission(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a new SerializablePermission with the specified name. |
| [**SerializablePermission**](http://docs.google.com/java/io/SerializablePermission.html#SerializablePermission(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 SerializablePermission object with the specified name. |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from class java.security.**[**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html) |
| --- |
| [equals](http://docs.google.com/java/security/BasicPermission.html#equals(java.lang.Object)), [getActions](http://docs.google.com/java/security/BasicPermission.html#getActions()), [hashCode](http://docs.google.com/java/security/BasicPermission.html#hashCode()), [implies](http://docs.google.com/java/security/BasicPermission.html#implies(java.security.Permission)), [newPermissionCollection](http://docs.google.com/java/security/BasicPermission.html#newPermissionCollection()) |

| **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** |
| --- |

### SerializablePermission

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

Creates a new SerializablePermission with the specified name. The name is the symbolic name of the SerializablePermission, such as "enableSubstitution", etc.

**Parameters:**name - the name of the SerializablePermission. **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.

### SerializablePermission

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

Creates a new SerializablePermission object with the specified name. The name is the symbolic name of the SerializablePermission, and the actions String is currently unused and should be null.

**Parameters:**name - the name of the SerializablePermission.actions - currently unused and must be set to null **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.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SerializablePermission.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/io/Serializable.html)   [**NEXT CLASS**](http://docs.google.com/java/io/StreamCorruptedException.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/SerializablePermission.html)    [**NO FRAMES**](http://docs.google.com/SerializablePermission.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#4d34og8) | METHOD |

[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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