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

## **java.net**

Class NetPermission

[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.net.NetPermission**

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

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

This class is for various network permissions. A NetPermission 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 network permission (see below). The naming convention follows the hierarchical property naming convention. Also, an asterisk may appear at the end of the name, following a ".", or by itself, to signify a wildcard match. For example: "foo.\*" or "\*" is valid, "\*foo" or "a\*b" is not valid.

The following table lists all the possible NetPermission 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 |
| --- | --- | --- |
| setDefaultAuthenticator | The ability to set the way authentication information is retrieved when a proxy or HTTP server asks for authentication | Malicious code can set an authenticator that monitors and steals user authentication input as it retrieves the input from the user. |
| requestPasswordAuthentication | The ability to ask the authenticator registered with the system for a password | Malicious code may steal this password. |
| specifyStreamHandler | The ability to specify a stream handler when constructing a URL | Malicious code may create a URL with resources that it would normally not have access to (like file:/foo/fum/), specifying a stream handler that gets the actual bytes from someplace it does have access to. Thus it might be able to trick the system into creating a ProtectionDomain/CodeSource for a class even though that class really didn't come from that location. |
| setProxySelector | The ability to set the proxy selector used to make decisions on which proxies to use when making network connections. | Malicious code can set a ProxySelector that directs network traffic to an arbitrary network host. |
| getProxySelector | The ability to get the proxy selector used to make decisions on which proxies to use when making network connections. | Malicious code can get a ProxySelector to discover proxy hosts and ports on internal networks, which could then become targets for attack. |
| setCookieHandler | The ability to set the cookie handler that processes highly security sensitive cookie information for an Http session. | Malicious code can set a cookie handler to obtain access to highly security sensitive cookie information. Some web servers use cookies to save user private information such as access control information, or to track user browsing habit. |
| getCookieHandler | The ability to get the cookie handler that processes highly security sensitive cookie information for an Http session. | Malicious code can get a cookie handler to obtain access to highly security sensitive cookie information. Some web servers use cookies to save user private information such as access control information, or to track user browsing habit. |
| setResponseCache | The ability to set the response cache that provides access to a local response cache. | Malicious code getting access to the local response cache could access security sensitive information, or create false entries in the response cache. |
| getResponseCache | The ability to get the response cache that provides access to a local response cache. | Malicious code getting access to the local response cache could access security sensitive information. |

**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.net.NetPermission)

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

### NetPermission

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

Creates a new NetPermission with the specified name. The name is the symbolic name of the NetPermission, such as "setDefaultAuthenticator", etc. An asterisk may appear at the end of the name, following a ".", or by itself, to signify a wildcard match.

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

### NetPermission

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

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

**Parameters:**name - the name of the NetPermission.actions - should be 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/NetPermission.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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