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

## **java.lang.management**

Class ManagementPermission

[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.lang.management.ManagementPermission**

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

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

The permission which the SecurityManager will check when code that is running with a SecurityManager calls methods defined in the management interface for the Java platform.

The following table provides a summary description of what the permission allows, and discusses the risks of granting code the permission.

| Permission Target Name | What the Permission Allows | Risks of Allowing this Permission |
| --- | --- | --- |
| control | Ability to control the runtime characteristics of the Java virtual machine, for example, setting the -verbose:gc and -verbose:class flag, setting the threshold of a memory pool, and enabling and disabling the thread contention monitoring support. | This allows an attacker to control the runtime characteristics of the Java virtual machine and cause the system to misbehave. |
| monitor | Ability to retrieve runtime information about the Java virtual machine such as thread stack trace, a list of all loaded class names, and input arguments to the Java virtual machine. | This allows malicious code to monitor runtime information and uncover vulnerabilities. |

Programmers do not normally create ManagementPermission objects directly. Instead they are created by the security policy code based on reading the security policy file.

**Since:** 1.5 **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.lang.management.ManagementPermission)

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

| **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** |
| --- |

### ManagementPermission

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

Constructs a ManagementPermission with the specified name.

**Parameters:**name - Permission name. Must be either "monitor" or "control". **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 or invalid.

### ManagementPermission

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

Constructs a new ManagementPermission object.

**Parameters:**name - Permission name. Must be either "monitor" or "control".actions - Must be either null or the empty string. **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 or if arguments are invalid.

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