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java.lang.management

## Class ManagementPermission

java.lang.Object  
  java.security.Permission  
    java.security.BasicPermission  
      java.lang.management.ManagementPermission

### All Implemented Interfaces:

Serializable, Guard

public final class **ManagementPermission**  
extends [BasicPermission](#)

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](#), [Permission](#), [Permissions](#), [PermissionCollection](#), [SecurityManager](#), [Serialized Form](#)

## Constructor Summary

### Constructors

Constructor and Description
<a href="#">ManagementPermission(String name)</a> Constructs a ManagementPermission with the specified name.
<a href="#">ManagementPermission(String name, String actions)</a> Constructs a new ManagementPermission object.

## Method Summary

### Methods inherited from class `java.security.BasicPermission`

`equals`, `getActions`, `hashCode`, `implies`, `newPermissionCollection`

### 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

### ManagementPermission

```
public ManagementPermission(String name)
```

Constructs a `ManagementPermission` with the specified name.

#### Parameters:

name - Permission name. Must be either "monitor" or "control".

#### Throws:

`NullPointerException` - if name is null.

`IllegalArgumentException` - if name is empty or invalid.

### ManagementPermission

```
public ManagementPermission(String name,  
                           String actions)  
    throws IllegalArgumentException
```

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` - if name is null.

`IllegalArgumentException` - if name is empty or if arguments are invalid.

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