| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NotificationFilterSupport.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/javax/management/NotificationFilter.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/NotificationListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/NotificationFilterSupport.html)    [**NO FRAMES**](http://docs.google.com/NotificationFilterSupport.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.management**

Class NotificationFilterSupport

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.management.NotificationFilterSupport**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [NotificationFilter](http://docs.google.com/javax/management/NotificationFilter.html) **Direct Known Subclasses:** [MBeanServerNotificationFilter](http://docs.google.com/javax/management/relation/MBeanServerNotificationFilter.html)

public class **NotificationFilterSupport**extends [Object](http://docs.google.com/java/lang/Object.html)implements [NotificationFilter](http://docs.google.com/javax/management/NotificationFilter.html)

Provides an implementation of the [NotificationFilter](http://docs.google.com/javax/management/NotificationFilter.html) interface. The filtering is performed on the notification type attribute.

Manages a list of enabled notification types. A method allows users to enable/disable as many notification types as required.

Then, before sending a notification to a listener registered with a filter, the notification broadcaster compares this notification type with all notification types enabled by the filter. The notification will be sent to the listener only if its filter enables this notification type.

Example:

NotificationFilterSupport myFilter = new NotificationFilterSupport();  
 myFilter.enableType("my\_example.my\_type");  
 myBroadcaster.addListener(myListener, myFilter, null);

The listener myListener will only receive notifications the type of which equals/starts with "my\_example.my\_type".

**Since:** 1.5 **See Also:**[NotificationBroadcaster.addNotificationListener(javax.management.NotificationListener, javax.management.NotificationFilter, java.lang.Object)](http://docs.google.com/javax/management/NotificationBroadcaster.html#addNotificationListener(javax.management.NotificationListener,%20javax.management.NotificationFilter,%20java.lang.Object)), [Serialized Form](http://docs.google.com/serialized-form.html#javax.management.NotificationFilterSupport)

| **Constructor Summary** | |
| --- | --- |
| [**NotificationFilterSupport**](http://docs.google.com/javax/management/NotificationFilterSupport.html#NotificationFilterSupport())() |

| **Method Summary** | |
| --- | --- |
| void | [**disableAllTypes**](http://docs.google.com/javax/management/NotificationFilterSupport.html#disableAllTypes())()            Disables all notification types. |
| void | [**disableType**](http://docs.google.com/javax/management/NotificationFilterSupport.html#disableType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix)            Removes the given prefix from the prefix list. |
| void | [**enableType**](http://docs.google.com/javax/management/NotificationFilterSupport.html#enableType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix)            Enables all the notifications the type of which starts with the specified prefix to be sent to the listener. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[String](http://docs.google.com/java/lang/String.html)> | [**getEnabledTypes**](http://docs.google.com/javax/management/NotificationFilterSupport.html#getEnabledTypes())()            Gets all the enabled notification types for this filter. |
| boolean | [**isNotificationEnabled**](http://docs.google.com/javax/management/NotificationFilterSupport.html#isNotificationEnabled(javax.management.Notification))([Notification](http://docs.google.com/javax/management/Notification.html) notification)            Invoked before sending the specified notification to the listener. |

| **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()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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** |
| --- |

### NotificationFilterSupport

public **NotificationFilterSupport**()

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

### isNotificationEnabled

public boolean **isNotificationEnabled**([Notification](http://docs.google.com/javax/management/Notification.html) notification)

Invoked before sending the specified notification to the listener.

This filter compares the type of the specified notification with each enabled type. If the notification type matches one of the enabled types, the notification should be sent to the listener and this method returns true.

**Specified by:**[isNotificationEnabled](http://docs.google.com/javax/management/NotificationFilter.html#isNotificationEnabled(javax.management.Notification)) in interface [NotificationFilter](http://docs.google.com/javax/management/NotificationFilter.html) **Parameters:**notification - The notification to be sent. **Returns:**true if the notification should be sent to the listener, false otherwise.

### enableType

public void **enableType**([String](http://docs.google.com/java/lang/String.html) prefix)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Enables all the notifications the type of which starts with the specified prefix to be sent to the listener.

If the specified prefix is already in the list of enabled notification types, this method has no effect.

Example:

// Enables all notifications the type of which starts with "my\_example" to be sent.  
 myFilter.enableType("my\_example");  
 // Enables all notifications the type of which is "my\_example.my\_type" to be sent.  
 myFilter.enableType("my\_example.my\_type");

Note that:myFilter.enableType("my\_example.\*");will no match any notification type.

**Parameters:**prefix - The prefix. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The prefix parameter is null.

### disableType

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

Removes the given prefix from the prefix list.

If the specified prefix is not in the list of enabled notification types, this method has no effect.

**Parameters:**prefix - The prefix.

### disableAllTypes

public void **disableAllTypes**()

Disables all notification types.

### getEnabledTypes

public [Vector](http://docs.google.com/java/util/Vector.html)<[String](http://docs.google.com/java/lang/String.html)> **getEnabledTypes**()

Gets all the enabled notification types for this filter.

**Returns:**The list containing all the enabled notification types.

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