| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MBeanNotificationInfo.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/MBeanInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/MBeanOperationInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/MBeanNotificationInfo.html)    [**NO FRAMES**](http://docs.google.com/MBeanNotificationInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **javax.management**

Class MBeanNotificationInfo

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html) **Direct Known Subclasses:** [ModelMBeanNotificationInfo](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html)

public class **MBeanNotificationInfo**extends [MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html)implements [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

The MBeanNotificationInfo class is used to describe the characteristics of the different notification instances emitted by an MBean, for a given Java class of notification. If an MBean emits notifications that can be instances of different Java classes, then the metadata for that MBean should provide an MBeanNotificationInfo object for each of these notification Java classes.

Instances of this class are immutable. Subclasses may be mutable but this is not recommended.

This class extends javax.management.MBeanFeatureInfo and thus provides name and description fields. The name field should be the fully qualified Java class name of the notification objects described by this class.

The getNotifTypes method returns an array of strings containing the notification types that the MBean may emit. The notification type is a dot-notation string which describes what the emitted notification is about, not the Java class of the notification. A single generic notification class can be used to send notifications of several types. All of these types are returned in the string array result of the getNotifTypes method.

**Since:** 1.5 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.management.MBeanNotificationInfo)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.management.**[**MBeanFeatureInfo**](http://docs.google.com/javax/management/MBeanFeatureInfo.html) |
| --- |
| [description](http://docs.google.com/javax/management/MBeanFeatureInfo.html#description), [name](http://docs.google.com/javax/management/MBeanFeatureInfo.html#name) |

| **Constructor Summary** | |
| --- | --- |
| [**MBeanNotificationInfo**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#MBeanNotificationInfo(java.lang.String%5B%5D,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html)[] notifTypes, [String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description)            Constructs an MBeanNotificationInfo object. |
| [**MBeanNotificationInfo**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#MBeanNotificationInfo(java.lang.String%5B%5D,%20java.lang.String,%20java.lang.String,%20javax.management.Descriptor))([String](http://docs.google.com/java/lang/String.html)[] notifTypes, [String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs an MBeanNotificationInfo object. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#clone())()            Returns a shallow clone of this instance. |
| boolean | [**equals**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) o)            Compare this MBeanNotificationInfo to another. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getNotifTypes**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#getNotifTypes())()            Returns the array of strings (in dot notation) containing the notification types that the MBean may emit. |
| int | [**hashCode**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#hashCode())()            Returns a hash code value for the object. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/MBeanNotificationInfo.html#toString())()            Returns a string representation of the object. |

| **Methods inherited from class javax.management.**[**MBeanFeatureInfo**](http://docs.google.com/javax/management/MBeanFeatureInfo.html) |
| --- |
| [getDescription](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescription()), [getDescriptor](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescriptor()), [getName](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getName()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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** |
| --- |

### MBeanNotificationInfo

public **MBeanNotificationInfo**([String](http://docs.google.com/java/lang/String.html)[] notifTypes,  
 [String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description)

Constructs an MBeanNotificationInfo object.

**Parameters:**notifTypes - The array of strings (in dot notation) containing the notification types that the MBean may emit. This may be null with the same effect as a zero-length array.name - The fully qualified Java class name of the described notifications.description - A human readable description of the data.

### MBeanNotificationInfo

public **MBeanNotificationInfo**([String](http://docs.google.com/java/lang/String.html)[] notifTypes,  
 [String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)

Constructs an MBeanNotificationInfo object.

**Parameters:**notifTypes - The array of strings (in dot notation) containing the notification types that the MBean may emit. This may be null with the same effect as a zero-length array.name - The fully qualified Java class name of the described notifications.description - A human readable description of the data.descriptor - The descriptor for the notifications. This may be null which is equivalent to an empty descriptor.**Since:** 1.6

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

### clone

public [Object](http://docs.google.com/java/lang/Object.html) **clone**()

Returns a shallow clone of this instance. The clone is obtained by simply calling super.clone(), thus calling the default native shallow cloning mechanism implemented by Object.clone(). No deeper cloning of any internal field is made.

**Overrides:**[clone](http://docs.google.com/java/lang/Object.html#clone()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a clone of this instance.**See Also:**[Cloneable](http://docs.google.com/java/lang/Cloneable.html)

### getNotifTypes

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

Returns the array of strings (in dot notation) containing the notification types that the MBean may emit.

**Returns:**the array of strings. Changing the returned array has no effect on this MBeanNotificationInfo.

### toString

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

**Description copied from class:** [**Object**](http://docs.google.com/java/lang/Object.html#toString()) Returns a string representation of the object. In general, the toString method returns a string that "textually represents" this object. The result should be a concise but informative representation that is easy for a person to read. It is recommended that all subclasses override this method.

The toString method for class Object returns a string consisting of the name of the class of which the object is an instance, the at-sign character `@', and the unsigned hexadecimal representation of the hash code of the object. In other words, this method returns a string equal to the value of:

getClass().getName() + '@' + Integer.toHexString(hashCode())

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of the object.

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) o)

Compare this MBeanNotificationInfo to another.

**Overrides:**[equals](http://docs.google.com/javax/management/MBeanFeatureInfo.html#equals(java.lang.Object)) in class [MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html) **Parameters:**o - the object to compare to. **Returns:**true if and only if o is an MBeanNotificationInfo such that its [MBeanFeatureInfo.getName()](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getName()), [MBeanFeatureInfo.getDescription()](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescription()), [MBeanFeatureInfo.getDescriptor()](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescriptor()), and [getNotifTypes()](http://docs.google.com/javax/management/MBeanNotificationInfo.html#getNotifTypes()) values are equal (not necessarily identical) to those of this MBeanNotificationInfo. Two notification type arrays are equal if their corresponding elements are equal. They are not equal if they have the same elements but in a different order.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

**Description copied from class:** [**Object**](http://docs.google.com/java/lang/Object.html#hashCode()) Returns a hash code value for the object. This method is supported for the benefit of hashtables such as those provided by java.util.Hashtable.

The general contract of hashCode is:

* Whenever it is invoked on the same object more than once during an execution of a Java application, the hashCode method must consistently return the same integer, provided no information used in equals comparisons on the object is modified. This integer need not remain consistent from one execution of an application to another execution of the same application.
* If two objects are equal according to the equals(Object) method, then calling the hashCode method on each of the two objects must produce the same integer result.
* It is *not* required that if two objects are unequal according to the [Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) method, then calling the hashCode method on each of the two objects must produce distinct integer results. However, the programmer should be aware that producing distinct integer results for unequal objects may improve the performance of hashtables.

As much as is reasonably practical, the hashCode method defined by class Object does return distinct integers for distinct objects. (This is typically implemented by converting the internal address of the object into an integer, but this implementation technique is not required by the JavaTM programming language.)

**Overrides:**[hashCode](http://docs.google.com/javax/management/MBeanFeatureInfo.html#hashCode()) in class [MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html) **Returns:**a hash code value for this object.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

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