| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ModelMBeanNotificationInfo.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/modelmbean/ModelMBeanNotificationBroadcaster.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/modelmbean/ModelMBeanOperationInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/modelmbean/ModelMBeanNotificationInfo.html)    [**NO FRAMES**](http://docs.google.com/ModelMBeanNotificationInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#35nkun2) |

## **javax.management.modelmbean**

Class ModelMBeanNotificationInfo

[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](http://docs.google.com/javax/management/MBeanNotificationInfo.html)  
 **javax.management.modelmbean.ModelMBeanNotificationInfo**

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

public class **ModelMBeanNotificationInfo**extends [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html)implements [DescriptorAccess](http://docs.google.com/javax/management/DescriptorAccess.html)

The ModelMBeanNotificationInfo object describes a notification emitted by a ModelMBean. It is a subclass of MBeanNotificationInfo with the addition of an associated Descriptor and an implementation of the Descriptor interface.

The fields in the descriptor are defined, but not limited to, the following:

name : notification name   
 descriptorType : must be "notification"  
 severity : 0-6 where 0: unknown; 1: non-recoverable;  
 2: critical, failure; 3: major, severe;  
 4: minor, marginal, error; 5: warning;  
 6: normal, cleared, informative  
 messageID : unique key for message text (to allow translation,  
 analysis)  
 messageText : text of notification  
 log : T - log message F - do not log message  
 logfile : string fully qualified file name appropriate for   
 operating system  
 visibility : 1-4 where 1: always visible 4: rarely visible  
 presentationString : xml formatted string to allow presentation of data

The default descriptor contains the name, descriptorType, displayName and severity(=6) fields.

The **serialVersionUID** of this class is -7445681389570207141L.

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

| **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** | |
| --- | --- |
| [**ModelMBeanNotificationInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#ModelMBeanNotificationInfo(javax.management.modelmbean.ModelMBeanNotificationInfo))([ModelMBeanNotificationInfo](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html) inInfo)            Constructs a new ModelMBeanNotificationInfo object from this ModelMBeanNotfication Object. |
| [**ModelMBeanNotificationInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#ModelMBeanNotificationInfo(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 a ModelMBeanNotificationInfo object with a default descriptor. |
| [**ModelMBeanNotificationInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#ModelMBeanNotificationInfo(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 a ModelMBeanNotificationInfo object. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#clone())()            Creates and returns a new ModelMBeanNotificationInfo which is a duplicate of this ModelMBeanNotificationInfo. |
| [Descriptor](http://docs.google.com/javax/management/Descriptor.html) | [**getDescriptor**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#getDescriptor())()            Returns a copy of the associated Descriptor for the ModelMBeanNotificationInfo. |
| void | [**setDescriptor**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#setDescriptor(javax.management.Descriptor))([Descriptor](http://docs.google.com/javax/management/Descriptor.html) inDescriptor)            Sets associated Descriptor (full replace) for the ModelMBeanNotificationInfo If the new Descriptor is null, then the associated Descriptor reverts to a default descriptor. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#toString())()            Returns a human readable string containing ModelMBeanNotificationInfo. |

| **Methods inherited from class javax.management.**[**MBeanNotificationInfo**](http://docs.google.com/javax/management/MBeanNotificationInfo.html) |
| --- |
| [equals](http://docs.google.com/javax/management/MBeanNotificationInfo.html#equals(java.lang.Object)), [getNotifTypes](http://docs.google.com/javax/management/MBeanNotificationInfo.html#getNotifTypes()), [hashCode](http://docs.google.com/javax/management/MBeanNotificationInfo.html#hashCode()) |

| **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()), [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** |
| --- |

### ModelMBeanNotificationInfo

public **ModelMBeanNotificationInfo**([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 a ModelMBeanNotificationInfo object with a default descriptor.

**Parameters:**notifTypes - The array of strings (in dot notation) containing the notification types that may be emitted.name - The name of the Notification class.description - A human readable description of the Notification. Optional.

### ModelMBeanNotificationInfo

public **ModelMBeanNotificationInfo**([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 a ModelMBeanNotificationInfo object.

**Parameters:**notifTypes - The array of strings (in dot notation) containing the notification types that may be emitted.name - The name of the Notification class.description - A human readable description of the Notification. Optional.descriptor - An instance of Descriptor containing the appropriate metadata for this instance of the MBeanNotificationInfo. If it is null a default descriptor will be created. If the descriptor does not contain the fields "displayName" or "severity" these fields are added in the descriptor with their default values. **Throws:** [RuntimeOperationsException](http://docs.google.com/javax/management/RuntimeOperationsException.html) - Wraps an [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html). The descriptor is invalid, or descriptor field "name" is not equal to parameter name, or descriptor field "DescriptorType" is not equal to "notification".

### ModelMBeanNotificationInfo

public **ModelMBeanNotificationInfo**([ModelMBeanNotificationInfo](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html) inInfo)

Constructs a new ModelMBeanNotificationInfo object from this ModelMBeanNotfication Object.

**Parameters:**inInfo - the ModelMBeanNotificationInfo to be duplicated

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

### clone

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

Creates and returns a new ModelMBeanNotificationInfo which is a duplicate of this ModelMBeanNotificationInfo.

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

### getDescriptor

public [Descriptor](http://docs.google.com/javax/management/Descriptor.html) **getDescriptor**()

Returns a copy of the associated Descriptor for the ModelMBeanNotificationInfo.

**Specified by:**[getDescriptor](http://docs.google.com/javax/management/DescriptorRead.html#getDescriptor()) in interface [DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html)**Overrides:**[getDescriptor](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescriptor()) in class [MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html) **Returns:**Descriptor associated with the ModelMBeanNotificationInfo object.**See Also:**[setDescriptor(javax.management.Descriptor)](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#setDescriptor(javax.management.Descriptor))

### setDescriptor

public void **setDescriptor**([Descriptor](http://docs.google.com/javax/management/Descriptor.html) inDescriptor)

Sets associated Descriptor (full replace) for the ModelMBeanNotificationInfo If the new Descriptor is null, then the associated Descriptor reverts to a default descriptor. The Descriptor is validated before it is assigned. If the new Descriptor is invalid, then a RuntimeOperationsException wrapping an IllegalArgumentException is thrown.

**Specified by:**[setDescriptor](http://docs.google.com/javax/management/DescriptorAccess.html#setDescriptor(javax.management.Descriptor)) in interface [DescriptorAccess](http://docs.google.com/javax/management/DescriptorAccess.html) **Parameters:**inDescriptor - replaces the Descriptor associated with the ModelMBeanNotification interface **Throws:** [RuntimeOperationsException](http://docs.google.com/javax/management/RuntimeOperationsException.html) - Wraps an [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) for invalid Descriptor.**See Also:**[getDescriptor()](http://docs.google.com/javax/management/modelmbean/ModelMBeanNotificationInfo.html#getDescriptor())

### toString

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

Returns a human readable string containing ModelMBeanNotificationInfo.

**Overrides:**[toString](http://docs.google.com/javax/management/MBeanNotificationInfo.html#toString()) in class [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html) **Returns:**a string describing this object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ModelMBeanNotificationInfo.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/modelmbean/ModelMBeanNotificationBroadcaster.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/modelmbean/ModelMBeanOperationInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/modelmbean/ModelMBeanNotificationInfo.html)    [**NO FRAMES**](http://docs.google.com/ModelMBeanNotificationInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#35nkun2) |

[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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