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

## **javax.management.openmbean**

Class OpenMBeanInfoSupport

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

**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), [OpenMBeanInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html)

public class **OpenMBeanInfoSupport**extends [MBeanInfo](http://docs.google.com/javax/management/MBeanInfo.html)implements [OpenMBeanInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html)

The OpenMBeanInfoSupport class describes the management information of an *open MBean*: it is a subclass of [MBeanInfo](http://docs.google.com/javax/management/MBeanInfo.html), and it implements the [OpenMBeanInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html) interface. Note that an *open MBean* is recognized as such if its getMBeanInfo() method returns an instance of a class which implements the OpenMBeanInfo interface, typically OpenMBeanInfoSupport.

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

| **Constructor Summary** | |
| --- | --- |
| [**OpenMBeanInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanInfoSupport.html#OpenMBeanInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenMBeanAttributeInfo%5B%5D,%20javax.management.openmbean.OpenMBeanConstructorInfo%5B%5D,%20javax.management.openmbean.OpenMBeanOperationInfo%5B%5D,%20javax.management.MBeanNotificationInfo%5B%5D))([String](http://docs.google.com/java/lang/String.html) className, [String](http://docs.google.com/java/lang/String.html) description, [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)[] openAttributes, [OpenMBeanConstructorInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanConstructorInfo.html)[] openConstructors, [OpenMBeanOperationInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html)[] openOperations, [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html)[] notifications)            Constructs an OpenMBeanInfoSupport instance, which describes a class of open MBeans with the specified className, description, openAttributes, openConstructors , openOperations and notifications. |
| [**OpenMBeanInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanInfoSupport.html#OpenMBeanInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenMBeanAttributeInfo%5B%5D,%20javax.management.openmbean.OpenMBeanConstructorInfo%5B%5D,%20javax.management.openmbean.OpenMBeanOperationInfo%5B%5D,%20javax.management.MBeanNotificationInfo%5B%5D,%20javax.management.Descriptor))([String](http://docs.google.com/java/lang/String.html) className, [String](http://docs.google.com/java/lang/String.html) description, [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)[] openAttributes, [OpenMBeanConstructorInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanConstructorInfo.html)[] openConstructors, [OpenMBeanOperationInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html)[] openOperations, [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html)[] notifications, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs an OpenMBeanInfoSupport instance, which describes a class of open MBeans with the specified className, description, openAttributes, openConstructors , openOperations, notifications, and descriptor. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/management/openmbean/OpenMBeanInfoSupport.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares the specified obj parameter with this OpenMBeanInfoSupport instance for equality. |
| int | [**hashCode**](http://docs.google.com/javax/management/openmbean/OpenMBeanInfoSupport.html#hashCode())()            Returns the hash code value for this OpenMBeanInfoSupport instance. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/openmbean/OpenMBeanInfoSupport.html#toString())()            Returns a string representation of this OpenMBeanInfoSupport instance. |

| **Methods inherited from class javax.management.**[**MBeanInfo**](http://docs.google.com/javax/management/MBeanInfo.html) |
| --- |
| [clone](http://docs.google.com/javax/management/MBeanInfo.html#clone()), [getAttributes](http://docs.google.com/javax/management/MBeanInfo.html#getAttributes()), [getClassName](http://docs.google.com/javax/management/MBeanInfo.html#getClassName()), [getConstructors](http://docs.google.com/javax/management/MBeanInfo.html#getConstructors()), [getDescription](http://docs.google.com/javax/management/MBeanInfo.html#getDescription()), [getDescriptor](http://docs.google.com/javax/management/MBeanInfo.html#getDescriptor()), [getNotifications](http://docs.google.com/javax/management/MBeanInfo.html#getNotifications()), [getOperations](http://docs.google.com/javax/management/MBeanInfo.html#getOperations()) |

| **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)) |

| **Methods inherited from interface javax.management.openmbean.**[**OpenMBeanInfo**](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html) |
| --- |
| [getAttributes](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#getAttributes()), [getClassName](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#getClassName()), [getConstructors](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#getConstructors()), [getDescription](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#getDescription()), [getNotifications](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#getNotifications()), [getOperations](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#getOperations()) |

| **Constructor Detail** |
| --- |

### OpenMBeanInfoSupport

public **OpenMBeanInfoSupport**([String](http://docs.google.com/java/lang/String.html) className,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)[] openAttributes,  
 [OpenMBeanConstructorInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanConstructorInfo.html)[] openConstructors,  
 [OpenMBeanOperationInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html)[] openOperations,  
 [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html)[] notifications)

Constructs an OpenMBeanInfoSupport instance, which describes a class of open MBeans with the specified className, description, openAttributes, openConstructors , openOperations and notifications.

The openAttributes, openConstructors, openOperations and notifications array parameters are internally copied, so that subsequent changes to the arrays referenced by these parameters have no effect on this instance.

**Parameters:**className - The fully qualified Java class name of the open MBean described by this OpenMBeanInfoSupport instance.description - A human readable description of the open MBean described by this OpenMBeanInfoSupport instance.openAttributes - The list of exposed attributes of the described open MBean; Must be an array of instances of a subclass of MBeanAttributeInfo, typically OpenMBeanAttributeInfoSupport.openConstructors - The list of exposed public constructors of the described open MBean; Must be an array of instances of a subclass of MBeanConstructorInfo, typically OpenMBeanConstructorInfoSupport.openOperations - The list of exposed operations of the described open MBean. Must be an array of instances of a subclass of MBeanOperationInfo, typically OpenMBeanOperationInfoSupport.notifications - The list of notifications emitted by the described open MBean. **Throws:** [ArrayStoreException](http://docs.google.com/java/lang/ArrayStoreException.html) - If openAttributes, openConstructors or openOperations is not an array of instances of a subclass of MBeanAttributeInfo, MBeanConstructorInfo or MBeanOperationInfo respectively.

### OpenMBeanInfoSupport

public **OpenMBeanInfoSupport**([String](http://docs.google.com/java/lang/String.html) className,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)[] openAttributes,  
 [OpenMBeanConstructorInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanConstructorInfo.html)[] openConstructors,  
 [OpenMBeanOperationInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html)[] openOperations,  
 [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html)[] notifications,  
 [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)

Constructs an OpenMBeanInfoSupport instance, which describes a class of open MBeans with the specified className, description, openAttributes, openConstructors , openOperations, notifications, and descriptor.

The openAttributes, openConstructors, openOperations and notifications array parameters are internally copied, so that subsequent changes to the arrays referenced by these parameters have no effect on this instance.

**Parameters:**className - The fully qualified Java class name of the open MBean described by this OpenMBeanInfoSupport instance.description - A human readable description of the open MBean described by this OpenMBeanInfoSupport instance.openAttributes - The list of exposed attributes of the described open MBean; Must be an array of instances of a subclass of MBeanAttributeInfo, typically OpenMBeanAttributeInfoSupport.openConstructors - The list of exposed public constructors of the described open MBean; Must be an array of instances of a subclass of MBeanConstructorInfo, typically OpenMBeanConstructorInfoSupport.openOperations - The list of exposed operations of the described open MBean. Must be an array of instances of a subclass of MBeanOperationInfo, typically OpenMBeanOperationInfoSupport.notifications - The list of notifications emitted by the described open MBean.descriptor - The descriptor for the MBean. This may be null which is equivalent to an empty descriptor. **Throws:** [ArrayStoreException](http://docs.google.com/java/lang/ArrayStoreException.html) - If openAttributes, openConstructors or openOperations is not an array of instances of a subclass of MBeanAttributeInfo, MBeanConstructorInfo or MBeanOperationInfo respectively.**Since:** 1.6

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

### equals

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

Compares the specified obj parameter with this OpenMBeanInfoSupport instance for equality.

Returns true if and only if all of the following statements are true:

* obj is non null,
* obj also implements the OpenMBeanInfo interface,
* their class names are equal
* their infos on attributes, constructors, operations and notifications are equal

This ensures that this equals method works properly for obj parameters which are different implementations of the OpenMBeanInfo interface.

**Specified by:**[equals](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#equals(java.lang.Object)) in interface [OpenMBeanInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html)**Overrides:**[equals](http://docs.google.com/javax/management/MBeanInfo.html#equals(java.lang.Object)) in class [MBeanInfo](http://docs.google.com/javax/management/MBeanInfo.html) **Parameters:**obj - the object to be compared for equality with this OpenMBeanInfoSupport instance; **Returns:**true if the specified object is equal to this OpenMBeanInfoSupport instance.**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**()

Returns the hash code value for this OpenMBeanInfoSupport instance.

The hash code of an OpenMBeanInfoSupport instance is the sum of the hash codes of all elements of information used in equals comparisons (ie: its class name, and its infos on attributes, constructors, operations and notifications, where the hashCode of each of these arrays is calculated by a call to new java.util.HashSet(java.util.Arrays.asList(this.getSignature)).hashCode()).

This ensures that t1.equals(t2) implies that t1.hashCode()==t2.hashCode() for any two OpenMBeanInfoSupport instances t1 and t2, as required by the general contract of the method [Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()).

However, note that another instance of a class implementing the OpenMBeanInfo interface may be equal to this OpenMBeanInfoSupport instance as defined by [equals(java.lang.Object)](http://docs.google.com/javax/management/openmbean/OpenMBeanInfoSupport.html#equals(java.lang.Object)), but may have a different hash code if it is calculated differently.

As OpenMBeanInfoSupport instances are immutable, the hash code for this instance is calculated once, on the first call to hashCode, and then the same value is returned for subsequent calls.

**Specified by:**[hashCode](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#hashCode()) in interface [OpenMBeanInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html)**Overrides:**[hashCode](http://docs.google.com/javax/management/MBeanInfo.html#hashCode()) in class [MBeanInfo](http://docs.google.com/javax/management/MBeanInfo.html) **Returns:**the hash code value for this OpenMBeanInfoSupport instance**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)

### toString

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

Returns a string representation of this OpenMBeanInfoSupport instance.

The string representation consists of the name of this class (ie javax.management.openmbean.OpenMBeanInfoSupport), the MBean class name, the string representation of infos on attributes, constructors, operations and notifications of the described MBean and the string representation of the descriptor.

As OpenMBeanInfoSupport instances are immutable, the string representation for this instance is calculated once, on the first call to toString, and then the same value is returned for subsequent calls.

**Specified by:**[toString](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html#toString()) in interface [OpenMBeanInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanInfo.html)**Overrides:**[toString](http://docs.google.com/javax/management/MBeanInfo.html#toString()) in class [MBeanInfo](http://docs.google.com/javax/management/MBeanInfo.html) **Returns:**a string representation of this OpenMBeanInfoSupport instance

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

[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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