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

## **javax.management.openmbean**

Interface OpenMBeanOperationInfo

**All Known Implementing Classes:** [OpenMBeanOperationInfoSupport](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfoSupport.html)

public interface **OpenMBeanOperationInfo**

Describes an operation of an Open MBean.

This interface declares the same methods as the class [MBeanOperationInfo](http://docs.google.com/javax/management/MBeanOperationInfo.html). A class implementing this interface (typically [OpenMBeanOperationInfoSupport](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfoSupport.html)) should extend [MBeanOperationInfo](http://docs.google.com/javax/management/MBeanOperationInfo.html).

The [getSignature()](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getSignature()) method should return at runtime an array of instances of a subclass of [MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html) which implements the [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) interface (typically [OpenMBeanParameterInfoSupport](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html)).

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares the specified obj parameter with this OpenMBeanOperationInfo instance for equality. |
| [String](http://docs.google.com/java/lang/String.html) | [**getDescription**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getDescription())()            Returns a human readable description of the operation described by this OpenMBeanOperationInfo instance. |
| int | [**getImpact**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getImpact())()            Returns an int constant qualifying the impact of the operation described by this OpenMBeanOperationInfo instance. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getName())()            Returns the name of the operation described by this OpenMBeanOperationInfo instance. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | [**getReturnOpenType**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getReturnOpenType())()            Returns the *open type* of the values returned by the operation described by this OpenMBeanOperationInfo instance. |
| [String](http://docs.google.com/java/lang/String.html) | [**getReturnType**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getReturnType())()            Returns the fully qualified Java class name of the values returned by the operation described by this OpenMBeanOperationInfo instance. |
| [MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html)[] | [**getSignature**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#getSignature())()            Returns an array of OpenMBeanParameterInfo instances describing each parameter in the signature of the operation described by this OpenMBeanOperationInfo instance. |
| int | [**hashCode**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#hashCode())()            Returns the hash code value for this OpenMBeanOperationInfo instance. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfo.html#toString())()            Returns a string representation of this OpenMBeanOperationInfo instance. |

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

### getDescription

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

Returns a human readable description of the operation described by this OpenMBeanOperationInfo instance.

**Returns:**the description.

### getName

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

Returns the name of the operation described by this OpenMBeanOperationInfo instance.

**Returns:**the name.

### getSignature

[MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html)[] **getSignature**()

Returns an array of OpenMBeanParameterInfo instances describing each parameter in the signature of the operation described by this OpenMBeanOperationInfo instance. Each instance in the returned array should actually be a subclass of MBeanParameterInfo which implements the OpenMBeanParameterInfo interface (typically [OpenMBeanParameterInfoSupport](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html)).

**Returns:**the signature.

### getImpact

int **getImpact**()

Returns an int constant qualifying the impact of the operation described by this OpenMBeanOperationInfo instance. The returned constant is one of [MBeanOperationInfo.INFO](http://docs.google.com/javax/management/MBeanOperationInfo.html#INFO), [MBeanOperationInfo.ACTION](http://docs.google.com/javax/management/MBeanOperationInfo.html#ACTION), [MBeanOperationInfo.ACTION\_INFO](http://docs.google.com/javax/management/MBeanOperationInfo.html#ACTION_INFO), or [MBeanOperationInfo.UNKNOWN](http://docs.google.com/javax/management/MBeanOperationInfo.html#UNKNOWN).

**Returns:**the impact code.

### getReturnType

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

Returns the fully qualified Java class name of the values returned by the operation described by this OpenMBeanOperationInfo instance. This method should return the same value as a call to getReturnOpenType().getClassName().

**Returns:**the return type.

### getReturnOpenType

[OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> **getReturnOpenType**()

Returns the *open type* of the values returned by the operation described by this OpenMBeanOperationInfo instance.

**Returns:**the return type.

### equals

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

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

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

* obj is non null,
* obj also implements the OpenMBeanOperationInfo interface,
* their names are equal
* their signatures are equal
* their return open types are equal
* their impacts are equal

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

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the object to be compared for equality with this OpenMBeanOperationInfo instance; **Returns:**true if the specified object is equal to this OpenMBeanOperationInfo instance.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

int **hashCode**()

Returns the hash code value for this OpenMBeanOperationInfo instance.

The hash code of an OpenMBeanOperationInfo instance is the sum of the hash codes of all elements of information used in equals comparisons (ie: its name, return open type, impact and signature, where the signature hashCode is calculated by a call to java.util.Arrays.asList(this.getSignature).hashCode()).

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

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the hash code value for this OpenMBeanOperationInfo 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

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

Returns a string representation of this OpenMBeanOperationInfo instance.

The string representation consists of the name of this class (ie javax.management.openmbean.OpenMBeanOperationInfo), and the name, signature, return open type and impact of the described operation.

**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 this OpenMBeanOperationInfo 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/OpenMBeanOperationInfo.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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