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

## **javax.management.openmbean**

Interface OpenMBeanAttributeInfo

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

public interface **OpenMBeanAttributeInfo**extends [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html)

Describes an attribute of an open MBean.

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

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares the specified obj parameter with this OpenMBeanAttributeInfo instance for equality. |
| int | [**hashCode**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#hashCode())()            Returns the hash code value for this OpenMBeanAttributeInfo instance. |
| boolean | [**isIs**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#isIs())()            Returns true if the attribute described by this OpenMBeanAttributeInfo instance is accessed through a is*XXX* getter (applies only to boolean and Boolean values), false otherwise. |
| boolean | [**isReadable**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#isReadable())()            Returns true if the attribute described by this OpenMBeanAttributeInfo instance is readable, false otherwise. |
| boolean | [**isWritable**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#isWritable())()            Returns true if the attribute described by this OpenMBeanAttributeInfo instance is writable, false otherwise. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#toString())()            Returns a string representation of this OpenMBeanAttributeInfo instance. |

| **Methods inherited from interface javax.management.openmbean.**[**OpenMBeanParameterInfo**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) |
| --- |
| [getDefaultValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getDefaultValue()), [getDescription](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getDescription()), [getLegalValues](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getLegalValues()), [getMaxValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getMaxValue()), [getMinValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getMinValue()), [getName](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getName()), [getOpenType](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getOpenType()), [hasDefaultValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasDefaultValue()), [hasLegalValues](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasLegalValues()), [hasMaxValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasMaxValue()), [hasMinValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasMinValue()), [isValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#isValue(java.lang.Object)) |

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

### isReadable

boolean **isReadable**()

Returns true if the attribute described by this OpenMBeanAttributeInfo instance is readable, false otherwise.

**Returns:**true if the attribute is readable.

### isWritable

boolean **isWritable**()

Returns true if the attribute described by this OpenMBeanAttributeInfo instance is writable, false otherwise.

**Returns:**true if the attribute is writable.

### isIs

boolean **isIs**()

Returns true if the attribute described by this OpenMBeanAttributeInfo instance is accessed through a is*XXX* getter (applies only to boolean and Boolean values), false otherwise.

**Returns:**true if the attribute is accessed through is*XXX*.

### equals

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

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

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

* obj is non null,
* obj also implements the OpenMBeanAttributeInfo interface,
* their names are equal
* their open types are equal
* their access properties (isReadable, isWritable and isIs) are equal
* their default, min, max and legal values are equal.

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

**Specified by:**[equals](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#equals(java.lang.Object)) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html)**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 OpenMBeanAttributeInfo instance; **Returns:**true if the specified object is equal to this OpenMBeanAttributeInfo 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 OpenMBeanAttributeInfo instance.

The hash code of an OpenMBeanAttributeInfo instance is the sum of the hash codes of all elements of information used in equals comparisons (ie: its name, its *open type*, and its default, min, max and legal values).

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

**Specified by:**[hashCode](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hashCode()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html)**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 OpenMBeanAttributeInfo 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 OpenMBeanAttributeInfo instance.

The string representation consists of the name of this class (ie javax.management.openmbean.OpenMBeanAttributeInfo), the string representation of the name and open type of the described attribute, and the string representation of its default, min, max and legal values.

**Specified by:**[toString](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#toString()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html)**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 OpenMBeanAttributeInfo 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/OpenMBeanAttributeInfo.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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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[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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