| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/OpenMBeanParameterInfo.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/OpenMBeanOperationInfoSupport.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/openmbean/OpenMBeanParameterInfo.html)    [**NO FRAMES**](http://docs.google.com/OpenMBeanParameterInfo.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 OpenMBeanParameterInfo

**All Known Subinterfaces:** [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html) **All Known Implementing Classes:** [OpenMBeanAttributeInfoSupport](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html), [OpenMBeanParameterInfoSupport](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html)

public interface **OpenMBeanParameterInfo**

Describes a parameter used in one or more operations or constructors of an open MBean.

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

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares the specified obj parameter with this OpenMBeanParameterInfo instance for equality. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getDefaultValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getDefaultValue())()            Returns the default value for this parameter, if it has one, or null otherwise. |
| [String](http://docs.google.com/java/lang/String.html) | [**getDescription**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getDescription())()            Returns a human readable description of the parameter described by this OpenMBeanParameterInfo instance. |
| [Set](http://docs.google.com/java/util/Set.html)<?> | [**getLegalValues**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getLegalValues())()            Returns the set of legal values for this parameter, if it has one, or null otherwise. |
| [Comparable](http://docs.google.com/java/lang/Comparable.html)<?> | [**getMaxValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getMaxValue())()            Returns the maximal value for this parameter, if it has one, or null otherwise. |
| [Comparable](http://docs.google.com/java/lang/Comparable.html)<?> | [**getMinValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getMinValue())()            Returns the minimal value for this parameter, if it has one, or null otherwise. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getName())()            Returns the name of the parameter described by this OpenMBeanParameterInfo instance. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | [**getOpenType**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getOpenType())()            Returns the *open type* of the values of the parameter described by this OpenMBeanParameterInfo instance. |
| boolean | [**hasDefaultValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasDefaultValue())()            Returns true if this parameter has a specified default value, or false otherwise. |
| int | [**hashCode**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hashCode())()            Returns the hash code value for this OpenMBeanParameterInfo instance. |
| boolean | [**hasLegalValues**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasLegalValues())()            Returns true if this parameter has a specified set of legal values, or false otherwise. |
| boolean | [**hasMaxValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasMaxValue())()            Returns true if this parameter has a specified maximal value, or false otherwise. |
| boolean | [**hasMinValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasMinValue())()            Returns true if this parameter has a specified minimal value, or false otherwise. |
| boolean | [**isValue**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#isValue(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Tests whether obj is a valid value for the parameter described by this OpenMBeanParameterInfo instance. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#toString())()            Returns a string representation of this OpenMBeanParameterInfo instance. |

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

### getDescription

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

Returns a human readable description of the parameter described by this OpenMBeanParameterInfo instance.

**Returns:**the description.

### getName

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

Returns the name of the parameter described by this OpenMBeanParameterInfo instance.

**Returns:**the name.

### getOpenType

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

Returns the *open type* of the values of the parameter described by this OpenMBeanParameterInfo instance.

**Returns:**the open type.

### getDefaultValue

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

Returns the default value for this parameter, if it has one, or null otherwise.

**Returns:**the default value.

### getLegalValues

[Set](http://docs.google.com/java/util/Set.html)<?> **getLegalValues**()

Returns the set of legal values for this parameter, if it has one, or null otherwise.

**Returns:**the set of legal values.

### getMinValue

[Comparable](http://docs.google.com/java/lang/Comparable.html)<?> **getMinValue**()

Returns the minimal value for this parameter, if it has one, or null otherwise.

**Returns:**the minimum value.

### getMaxValue

[Comparable](http://docs.google.com/java/lang/Comparable.html)<?> **getMaxValue**()

Returns the maximal value for this parameter, if it has one, or null otherwise.

**Returns:**the maximum value.

### hasDefaultValue

boolean **hasDefaultValue**()

Returns true if this parameter has a specified default value, or false otherwise.

**Returns:**true if there is a default value.

### hasLegalValues

boolean **hasLegalValues**()

Returns true if this parameter has a specified set of legal values, or false otherwise.

**Returns:**true if there is a set of legal values.

### hasMinValue

boolean **hasMinValue**()

Returns true if this parameter has a specified minimal value, or false otherwise.

**Returns:**true if there is a minimum value.

### hasMaxValue

boolean **hasMaxValue**()

Returns true if this parameter has a specified maximal value, or false otherwise.

**Returns:**true if there is a maximum value.

### isValue

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

Tests whether obj is a valid value for the parameter described by this OpenMBeanParameterInfo instance.

**Parameters:**obj - the object to be tested. **Returns:**true if obj is a valid value for the parameter described by this OpenMBeanParameterInfo instance, false otherwise.

### equals

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

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

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

* obj is non null,
* obj also implements the OpenMBeanParameterInfo interface,
* their names are equal
* their open types 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 OpenMBeanParameterInfo 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 OpenMBeanParameterInfo instance; **Returns:**true if the specified object is equal to this OpenMBeanParameterInfo 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 OpenMBeanParameterInfo instance.

The hash code of an OpenMBeanParameterInfo 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 OpenMBeanParameterInfo 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 OpenMBeanParameterInfo 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 OpenMBeanParameterInfo instance.

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

**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 OpenMBeanParameterInfo 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/OpenMBeanParameterInfo.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](#2et92p0) |

[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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