| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/OpenMBeanAttributeInfoSupport.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/OpenMBeanAttributeInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/openmbean/OpenMBeanConstructorInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/openmbean/OpenMBeanAttributeInfoSupport.html)    [**NO FRAMES**](http://docs.google.com/OpenMBeanAttributeInfoSupport.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#4i7ojhp) |

## **javax.management.openmbean**

Class OpenMBeanAttributeInfoSupport

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.management.MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html)  
 [javax.management.MBeanAttributeInfo](http://docs.google.com/javax/management/MBeanAttributeInfo.html)  
 **javax.management.openmbean.OpenMBeanAttributeInfoSupport**

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

public class **OpenMBeanAttributeInfoSupport**extends [MBeanAttributeInfo](http://docs.google.com/javax/management/MBeanAttributeInfo.html)implements [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)

Describes an attribute of an open MBean.

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

| **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** | |
| --- | --- |
| [**OpenMBeanAttributeInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html#OpenMBeanAttributeInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%20boolean,%20boolean,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> openType, boolean isReadable, boolean isWritable, boolean isIs)            Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType and description, and the specified read/write access properties. |
| [**OpenMBeanAttributeInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html#OpenMBeanAttributeInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%20boolean,%20boolean,%20boolean,%20javax.management.Descriptor))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> openType, boolean isReadable, boolean isWritable, boolean isIs, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType, description, read/write access properties, and Descriptor. |
| [**OpenMBeanAttributeInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html#OpenMBeanAttributeInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%20boolean,%20boolean,%20boolean,%20T))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<T> openType, boolean isReadable, boolean isWritable, boolean isIs, T defaultValue)            Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType, description and defaultValue, and the specified read/write access properties. |
| [**OpenMBeanAttributeInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html#OpenMBeanAttributeInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%20boolean,%20boolean,%20boolean,%20T,%20java.lang.Comparable,%20java.lang.Comparable))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<T> openType, boolean isReadable, boolean isWritable, boolean isIs, T defaultValue, [Comparable](http://docs.google.com/java/lang/Comparable.html)<T> minValue, [Comparable](http://docs.google.com/java/lang/Comparable.html)<T> maxValue)            Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean, with the specified name, openType, description, defaultValue, minValue and maxValue. |
| [**OpenMBeanAttributeInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html#OpenMBeanAttributeInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%20boolean,%20boolean,%20boolean,%20T,%20T%5B%5D))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<T> openType, boolean isReadable, boolean isWritable, boolean isIs, T defaultValue, T[] legalValues)            Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType, description, defaultValue and legalValues, and the specified read/write access properties. |

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

| **Methods inherited from class javax.management.**[**MBeanAttributeInfo**](http://docs.google.com/javax/management/MBeanAttributeInfo.html) |
| --- |
| [clone](http://docs.google.com/javax/management/MBeanAttributeInfo.html#clone()), [getType](http://docs.google.com/javax/management/MBeanAttributeInfo.html#getType()), [isIs](http://docs.google.com/javax/management/MBeanAttributeInfo.html#isIs()), [isReadable](http://docs.google.com/javax/management/MBeanAttributeInfo.html#isReadable()), [isWritable](http://docs.google.com/javax/management/MBeanAttributeInfo.html#isWritable()) |

| **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()), [getDescriptor](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescriptor()), [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)) |

| **Methods inherited from interface javax.management.openmbean.**[**OpenMBeanAttributeInfo**](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html) |
| --- |
| [isIs](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#isIs()), [isReadable](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#isReadable()), [isWritable](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html#isWritable()) |

| **Methods inherited from interface javax.management.openmbean.**[**OpenMBeanParameterInfo**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) |
| --- |
| [getDescription](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getDescription()), [getName](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getName()) |

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

### OpenMBeanAttributeInfoSupport

public **OpenMBeanAttributeInfoSupport**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> openType,  
 boolean isReadable,  
 boolean isWritable,  
 boolean isIs)

Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType and description, and the specified read/write access properties.

**Parameters:**name - cannot be a null or empty string.description - cannot be a null or empty string.openType - cannot be null.isReadable - true if the attribute has a getter exposed for management.isWritable - true if the attribute has a setter exposed for management.isIs - true if the attribute's getter is of the form is*XXX*. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name or description are null or empty string, or openType is null.

### OpenMBeanAttributeInfoSupport

public **OpenMBeanAttributeInfoSupport**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> openType,  
 boolean isReadable,  
 boolean isWritable,  
 boolean isIs,  
 [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)

Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType, description, read/write access properties, and Descriptor.

The descriptor can contain entries that will define the values returned by certain methods of this class, as explained in the  [package description](http://docs.google.com/package-summary.html#constraints).

**Parameters:**name - cannot be a null or empty string.description - cannot be a null or empty string.openType - cannot be null.isReadable - true if the attribute has a getter exposed for management.isWritable - true if the attribute has a setter exposed for management.isIs - true if the attribute's getter is of the form is*XXX*.descriptor - The descriptor for the attribute. This may be null which is equivalent to an empty descriptor. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name or description are null or empty string, or openType is null, or the descriptor entries are invalid as described in the [package description](http://docs.google.com/package-summary.html#constraints).**Since:** 1.6

### OpenMBeanAttributeInfoSupport

public **OpenMBeanAttributeInfoSupport**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<T> openType,  
 boolean isReadable,  
 boolean isWritable,  
 boolean isIs,  
 T defaultValue)  
 throws [OpenDataException](http://docs.google.com/javax/management/openmbean/OpenDataException.html)

Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType, description and defaultValue, and the specified read/write access properties.

**Type Parameters:**T - allows the compiler to check that the defaultValue, if non-null, has the correct Java type for the given openType.**Parameters:**name - cannot be a null or empty string.description - cannot be a null or empty string.openType - cannot be null.isReadable - true if the attribute has a getter exposed for management.isWritable - true if the attribute has a setter exposed for management.isIs - true if the attribute's getter is of the form is*XXX*.defaultValue - must be a valid value for the openType specified for this attribute; default value not supported for ArrayType and TabularType; can be null, in which case it means that no default value is set. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name or description are null or empty string, or openType is null. [OpenDataException](http://docs.google.com/javax/management/openmbean/OpenDataException.html) - if defaultValue is not a valid value for the specified openType, or defaultValue is non null and openType is an ArrayType or a TabularType.

### OpenMBeanAttributeInfoSupport

public **OpenMBeanAttributeInfoSupport**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<T> openType,  
 boolean isReadable,  
 boolean isWritable,  
 boolean isIs,  
 T defaultValue,  
 T[] legalValues)  
 throws [OpenDataException](http://docs.google.com/javax/management/openmbean/OpenDataException.html)

Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean with the specified name, openType, description, defaultValue and legalValues, and the specified read/write access properties.

The contents of legalValues are copied, so subsequent modifications of the array referenced by legalValues have no impact on this OpenMBeanAttributeInfoSupport instance.

**Type Parameters:**T - allows the compiler to check that the defaultValue and legalValues, if non-null, have the correct Java type for the given openType.**Parameters:**name - cannot be a null or empty string.description - cannot be a null or empty string.openType - cannot be null.isReadable - true if the attribute has a getter exposed for management.isWritable - true if the attribute has a setter exposed for management.isIs - true if the attribute's getter is of the form is*XXX*.defaultValue - must be a valid value for the openType specified for this attribute; default value not supported for ArrayType and TabularType; can be null, in which case it means that no default value is set.legalValues - each contained value must be valid for the openType specified for this attribute; legal values not supported for ArrayType and TabularType; can be null or empty. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name or description are null or empty string, or openType is null. [OpenDataException](http://docs.google.com/javax/management/openmbean/OpenDataException.html) - if defaultValue is not a valid value for the specified openType, or one value in legalValues is not valid for the specified openType, or defaultValue is non null and openType is an ArrayType or a TabularType, or legalValues is non null and non empty and openType is an ArrayType or a TabularType, or legalValues is non null and non empty and defaultValue is not contained in legalValues.

### OpenMBeanAttributeInfoSupport

public **OpenMBeanAttributeInfoSupport**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<T> openType,  
 boolean isReadable,  
 boolean isWritable,  
 boolean isIs,  
 T defaultValue,  
 [Comparable](http://docs.google.com/java/lang/Comparable.html)<T> minValue,  
 [Comparable](http://docs.google.com/java/lang/Comparable.html)<T> maxValue)  
 throws [OpenDataException](http://docs.google.com/javax/management/openmbean/OpenDataException.html)

Constructs an OpenMBeanAttributeInfoSupport instance, which describes the attribute of an open MBean, with the specified name, openType, description, defaultValue, minValue and maxValue. It is possible to specify minimal and maximal values only for an open type whose values are Comparable.

**Type Parameters:**T - allows the compiler to check that the defaultValue, minValue, and maxValue, if non-null, have the correct Java type for the given openType.**Parameters:**name - cannot be a null or empty string.description - cannot be a null or empty string.openType - cannot be null.isReadable - true if the attribute has a getter exposed for management.isWritable - true if the attribute has a setter exposed for management.isIs - true if the attribute's getter is of the form is*XXX*.defaultValue - must be a valid value for the openType specified for this attribute; default value not supported for ArrayType and TabularType; can be null, in which case it means that no default value is set.minValue - must be valid for the openType specified for this attribute; can be null, in which case it means that no minimal value is set.maxValue - must be valid for the openType specified for this attribute; can be null, in which case it means that no maximal value is set. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name or description are null or empty string, or openType is null. [OpenDataException](http://docs.google.com/javax/management/openmbean/OpenDataException.html) - if defaultValue, minValue or maxValue is not a valid value for the specified openType, or defaultValue is non null and openType is an ArrayType or a TabularType, or both minValue and maxValue are non-null and minValue.compareTo(maxValue) > 0 is true, or both defaultValue and minValue are non-null and minValue.compareTo(defaultValue) > 0 is true, or both defaultValue and maxValue are non-null and defaultValue.compareTo(maxValue) > 0 is true.

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

### getOpenType

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

Returns the open type for the values of the attribute described by this OpenMBeanAttributeInfoSupport instance.

**Specified by:**[getOpenType](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getOpenType()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**the open type.

### getDefaultValue

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

Returns the default value for the attribute described by this OpenMBeanAttributeInfoSupport instance, if specified, or null otherwise.

**Specified by:**[getDefaultValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getDefaultValue()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**the default value.

### getLegalValues

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

Returns an unmodifiable Set of legal values for the attribute described by this OpenMBeanAttributeInfoSupport instance, if specified, or null otherwise.

**Specified by:**[getLegalValues](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getLegalValues()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**the set of legal values.

### getMinValue

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

Returns the minimal value for the attribute described by this OpenMBeanAttributeInfoSupport instance, if specified, or null otherwise.

**Specified by:**[getMinValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getMinValue()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**the minimum value.

### getMaxValue

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

Returns the maximal value for the attribute described by this OpenMBeanAttributeInfoSupport instance, if specified, or null otherwise.

**Specified by:**[getMaxValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#getMaxValue()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**the maximum value.

### hasDefaultValue

public boolean **hasDefaultValue**()

Returns true if this OpenMBeanAttributeInfoSupport instance specifies a non-null default value for the described attribute, false otherwise.

**Specified by:**[hasDefaultValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasDefaultValue()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**true if there is a default value.

### hasLegalValues

public boolean **hasLegalValues**()

Returns true if this OpenMBeanAttributeInfoSupport instance specifies a non-null set of legal values for the described attribute, false otherwise.

**Specified by:**[hasLegalValues](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasLegalValues()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**true if there is a set of legal values.

### hasMinValue

public boolean **hasMinValue**()

Returns true if this OpenMBeanAttributeInfoSupport instance specifies a non-null minimal value for the described attribute, false otherwise.

**Specified by:**[hasMinValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasMinValue()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**true if there is a minimum value.

### hasMaxValue

public boolean **hasMaxValue**()

Returns true if this OpenMBeanAttributeInfoSupport instance specifies a non-null maximal value for the described attribute, false otherwise.

**Specified by:**[hasMaxValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#hasMaxValue()) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Returns:**true if there is a maximum value.

### isValue

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

Tests whether obj is a valid value for the attribute described by this OpenMBeanAttributeInfoSupport instance.

**Specified by:**[isValue](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html#isValue(java.lang.Object)) in interface [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html) **Parameters:**obj - the object to be tested. **Returns:**true if obj is a valid value for the parameter described by this OpenMBeanAttributeInfoSupport instance, false otherwise.

### equals

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

Compares the specified obj parameter with this OpenMBeanAttributeInfoSupport 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.

If obj also implements [DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html), then its [getDescriptor()](http://docs.google.com/javax/management/DescriptorRead.html#getDescriptor()) method must also return the same value as for this object.

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

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

This ensures that t1.equals(t2) implies that t1.hashCode()==t2.hashCode() for any two OpenMBeanAttributeInfoSupport 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 OpenMBeanAttributeInfo interface may be equal to this OpenMBeanAttributeInfoSupport instance as defined by [equals(java.lang.Object)](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfoSupport.html#equals(java.lang.Object)), but may have a different hash code if it is calculated differently.

As OpenMBeanAttributeInfoSupport 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/OpenMBeanAttributeInfo.html#hashCode()) in interface [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)**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/javax/management/MBeanAttributeInfo.html#hashCode()) in class [MBeanAttributeInfo](http://docs.google.com/javax/management/MBeanAttributeInfo.html) **Returns:**the hash code value for this OpenMBeanAttributeInfoSupport 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 OpenMBeanAttributeInfoSupport instance.

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

As OpenMBeanAttributeInfoSupport 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/OpenMBeanAttributeInfo.html#toString()) in interface [OpenMBeanAttributeInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanAttributeInfo.html)**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/javax/management/MBeanAttributeInfo.html#toString()) in class [MBeanAttributeInfo](http://docs.google.com/javax/management/MBeanAttributeInfo.html) **Returns:**a string representation of this OpenMBeanAttributeInfoSupport 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/OpenMBeanAttributeInfoSupport.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/OpenMBeanAttributeInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/openmbean/OpenMBeanConstructorInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/openmbean/OpenMBeanAttributeInfoSupport.html)    [**NO FRAMES**](http://docs.google.com/OpenMBeanAttributeInfoSupport.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#4i7ojhp) |

[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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