| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/management/openmbean/OpenType.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/management/openmbean//class-useOpenType.html)    [**NO FRAMES**](http://docs.google.com/OpenType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.management.openmbean.OpenType**

| Packages that use [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html) | |
| --- | --- |
| [**javax.management.openmbean**](#3znysh7) | Provides the open data types and Open MBean descriptor classes. |

| Uses of [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html) in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
| --- | --- |

| Subclasses of [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html) in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
| --- | --- |
| class | [**ArrayType<T>**](http://docs.google.com/javax/management/openmbean/ArrayType.html)            The ArrayType class is the *open type* class whose instances describe all *open data* values which are n-dimensional arrays of *open data* values. |
| class | [**CompositeType**](http://docs.google.com/javax/management/openmbean/CompositeType.html)            The CompositeType class is the *open type* class whose instances describe the types of [CompositeData](http://docs.google.com/javax/management/openmbean/CompositeData.html) values. |
| class | [**SimpleType<T>**](http://docs.google.com/javax/management/openmbean/SimpleType.html)            The SimpleType class is the *open type* class whose instances describe all *open data* values which are neither arrays, nor [CompositeData](http://docs.google.com/javax/management/openmbean/CompositeData.html) values, nor [TabularData](http://docs.google.com/javax/management/openmbean/TabularData.html) values. |
| class | [**TabularType**](http://docs.google.com/javax/management/openmbean/TabularType.html)            The TabularType class is the  *open type* class whose instances describe the types of [TabularData](http://docs.google.com/javax/management/openmbean/TabularData.html) values. |

| Methods in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) that return [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html) | |
| --- | --- |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **ArrayType.**[**getElementOpenType**](http://docs.google.com/javax/management/openmbean/ArrayType.html#getElementOpenType())()            Returns the *open type* of element values contained in the arrays described by this ArrayType instance. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **OpenMBeanAttributeInfoSupport.**[**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. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **OpenMBeanParameterInfoSupport.**[**getOpenType**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html#getOpenType())()            Returns the open type for the values of the parameter described by this OpenMBeanParameterInfoSupport instance. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **OpenMBeanParameterInfo.**[**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. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **OpenMBeanOperationInfo.**[**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. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **OpenMBeanOperationInfoSupport.**[**getReturnOpenType**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfoSupport.html#getReturnOpenType())()            Returns the *open type* of the values returned by the operation described by this OpenMBeanOperationInfo instance. |
| [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> | **CompositeType.**[**getType**](http://docs.google.com/javax/management/openmbean/CompositeType.html#getType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) itemName)            Returns the *open type* of the item whose name is itemName, or null if this CompositeType instance does not define any item whose name is itemName. |

| Methods in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) with parameters of type [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html) | |
| --- | --- |
| static   | <E> [ArrayType](http://docs.google.com/javax/management/openmbean/ArrayType.html)<E[]> | | --- | | **ArrayType.**[**getArrayType**](http://docs.google.com/javax/management/openmbean/ArrayType.html#getArrayType(javax.management.openmbean.OpenType))([OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<E> elementType)            Create an ArrayType instance in a type-safe manner. |

| Constructors in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) with parameters of type [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html) | |
| --- | --- |
| [**ArrayType**](http://docs.google.com/javax/management/openmbean/ArrayType.html#ArrayType(int,%20javax.management.openmbean.OpenType))(int dimension, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> elementType)            Constructs an ArrayType instance describing *open data* values which are arrays with dimension dimension of elements whose *open type* is elementType. |
| [**CompositeType**](http://docs.google.com/javax/management/openmbean/CompositeType.html#CompositeType(java.lang.String,%20java.lang.String,%20java.lang.String%5B%5D,%20java.lang.String%5B%5D,%20javax.management.openmbean.OpenType%5B%5D))([String](http://docs.google.com/java/lang/String.html) typeName, [String](http://docs.google.com/java/lang/String.html) description, [String](http://docs.google.com/java/lang/String.html)[] itemNames, [String](http://docs.google.com/java/lang/String.html)[] itemDescriptions, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?>[] itemTypes)            Constructs a CompositeType instance, checking for the validity of the given parameters. |
| [**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. |
| [**OpenMBeanOperationInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfoSupport.html#OpenMBeanOperationInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenMBeanParameterInfo%5B%5D,%20javax.management.openmbean.OpenType,%20int))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html)[] signature, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> returnOpenType, int impact)            Constructs an OpenMBeanOperationInfoSupport instance, which describes the operation of a class of open MBeans, with the specified name, description, signature, returnOpenType and impact. |
| [**OpenMBeanOperationInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanOperationInfoSupport.html#OpenMBeanOperationInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenMBeanParameterInfo%5B%5D,%20javax.management.openmbean.OpenType,%20int,%20javax.management.Descriptor))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [OpenMBeanParameterInfo](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfo.html)[] signature, [OpenType](http://docs.google.com/javax/management/openmbean/OpenType.html)<?> returnOpenType, int impact, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs an OpenMBeanOperationInfoSupport instance, which describes the operation of a class of open MBeans, with the specified name, description, signature, returnOpenType, impact, and descriptor. |
| [**OpenMBeanParameterInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html#OpenMBeanParameterInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType))([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)            Constructs an OpenMBeanParameterInfoSupport instance, which describes the parameter used in one or more operations or constructors of a class of open MBeans, with the specified name, openType and description. |
| [**OpenMBeanParameterInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html#OpenMBeanParameterInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%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, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs an OpenMBeanParameterInfoSupport instance, which describes the parameter used in one or more operations or constructors of a class of open MBeans, with the specified name, openType, description, and descriptor. |
| [**OpenMBeanParameterInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html#OpenMBeanParameterInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%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, T defaultValue)            Constructs an OpenMBeanParameterInfoSupport instance, which describes the parameter used in one or more operations or constructors of a class of open MBeans, with the specified name, openType, description and defaultValue. |
| [**OpenMBeanParameterInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html#OpenMBeanParameterInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%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, 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 OpenMBeanParameterInfoSupport instance, which describes the parameter used in one or more operations or constructors of a class of open MBeans, with the specified name, openType, description, defaultValue, minValue and maxValue. |
| [**OpenMBeanParameterInfoSupport**](http://docs.google.com/javax/management/openmbean/OpenMBeanParameterInfoSupport.html#OpenMBeanParameterInfoSupport(java.lang.String,%20java.lang.String,%20javax.management.openmbean.OpenType,%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, T defaultValue, T[] legalValues)            Constructs an OpenMBeanParameterInfoSupport instance, which describes the parameter used in one or more operations or constructors of a class of open MBeans, with the specified name, openType, description, defaultValue and legalValues. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/management/openmbean/OpenType.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/management/openmbean//class-useOpenType.html)    [**NO FRAMES**](http://docs.google.com/OpenType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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