| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ModelMBeanConstructorInfo.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/modelmbean/ModelMBeanAttributeInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/modelmbean/ModelMBeanInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/modelmbean/ModelMBeanConstructorInfo.html)    [**NO FRAMES**](http://docs.google.com/ModelMBeanConstructorInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#1ksv4uv) |

## **javax.management.modelmbean**

Class ModelMBeanConstructorInfo

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.management.MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html)  
 [javax.management.MBeanConstructorInfo](http://docs.google.com/javax/management/MBeanConstructorInfo.html)  
 **javax.management.modelmbean.ModelMBeanConstructorInfo**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [DescriptorAccess](http://docs.google.com/javax/management/DescriptorAccess.html), [DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html)

public class **ModelMBeanConstructorInfo**extends [MBeanConstructorInfo](http://docs.google.com/javax/management/MBeanConstructorInfo.html)implements [DescriptorAccess](http://docs.google.com/javax/management/DescriptorAccess.html)

The ModelMBeanConstructorInfo object describes a constructor of the ModelMBean. It is a subclass of MBeanConstructorInfo with the addition of an associated Descriptor and an implementation of the DescriptorAccess interface.

The fields in the descriptor are defined, but not limited to, the following:

name : constructor name   
 descriptorType : must be "operation"   
 role : must be "constructor"  
 displayName : human readable name of constructor   
 visibility : 1-4 where 1: always visible 4: rarely visible   
 presentationString : xml formatted string to describe how to present operation

The persistPolicy and currencyTimeLimit fields are meaningless for constructors, but are not considered invalid.

The default descriptor will have the name, descriptorType, displayName and role fields.

The **serialVersionUID** of this class is 3862947819818064362L.

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

| **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** | |
| --- | --- |
| [**ModelMBeanConstructorInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#ModelMBeanConstructorInfo(java.lang.String,%20java.lang.reflect.Constructor))([String](http://docs.google.com/java/lang/String.html) description, [Constructor](http://docs.google.com/java/lang/reflect/Constructor.html) constructorMethod)            Constructs a ModelMBeanConstructorInfo object with a default descriptor. |
| [**ModelMBeanConstructorInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#ModelMBeanConstructorInfo(java.lang.String,%20java.lang.reflect.Constructor,%20javax.management.Descriptor))([String](http://docs.google.com/java/lang/String.html) description, [Constructor](http://docs.google.com/java/lang/reflect/Constructor.html) constructorMethod, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs a ModelMBeanConstructorInfo object. |
| [**ModelMBeanConstructorInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#ModelMBeanConstructorInfo(java.lang.String,%20java.lang.String,%20javax.management.MBeanParameterInfo%5B%5D))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html)[] signature)            Constructs a ModelMBeanConstructorInfo object with a default descriptor. |
| [**ModelMBeanConstructorInfo**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#ModelMBeanConstructorInfo(java.lang.String,%20java.lang.String,%20javax.management.MBeanParameterInfo%5B%5D,%20javax.management.Descriptor))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) description, [MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html)[] signature, [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)            Constructs a ModelMBeanConstructorInfo object. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#clone())()            Creates and returns a new ModelMBeanConstructorInfo which is a duplicate of this ModelMBeanConstructorInfo. |
| [Descriptor](http://docs.google.com/javax/management/Descriptor.html) | [**getDescriptor**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#getDescriptor())()            Returns a copy of the associated Descriptor. |
| void | [**setDescriptor**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#setDescriptor(javax.management.Descriptor))([Descriptor](http://docs.google.com/javax/management/Descriptor.html) inDescriptor)            Sets associated Descriptor (full replace) of ModelMBeanConstructorInfo. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#toString())()            Returns a string containing the entire contents of the ModelMBeanConstructorInfo in human readable form. |

| **Methods inherited from class javax.management.**[**MBeanConstructorInfo**](http://docs.google.com/javax/management/MBeanConstructorInfo.html) |
| --- |
| [equals](http://docs.google.com/javax/management/MBeanConstructorInfo.html#equals(java.lang.Object)), [getSignature](http://docs.google.com/javax/management/MBeanConstructorInfo.html#getSignature()), [hashCode](http://docs.google.com/javax/management/MBeanConstructorInfo.html#hashCode()) |

| **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()), [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)) |

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

### ModelMBeanConstructorInfo

public **ModelMBeanConstructorInfo**([String](http://docs.google.com/java/lang/String.html) description,  
 [Constructor](http://docs.google.com/java/lang/reflect/Constructor.html) constructorMethod)

Constructs a ModelMBeanConstructorInfo object with a default descriptor. The [Descriptor](http://docs.google.com/javax/management/Descriptor.html) of the constructed object will include fields contributed by any annotations on the Constructor object that contain the [DescriptorKey](http://docs.google.com/javax/management/DescriptorKey.html) meta-annotation.

**Parameters:**description - A human readable description of the constructor.constructorMethod - The java.lang.reflect.Constructor object describing the MBean constructor.

### ModelMBeanConstructorInfo

public **ModelMBeanConstructorInfo**([String](http://docs.google.com/java/lang/String.html) description,  
 [Constructor](http://docs.google.com/java/lang/reflect/Constructor.html) constructorMethod,  
 [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)

Constructs a ModelMBeanConstructorInfo object. The [Descriptor](http://docs.google.com/javax/management/Descriptor.html) of the constructed object will include fields contributed by any annotations on the Constructor object that contain the [DescriptorKey](http://docs.google.com/javax/management/DescriptorKey.html) meta-annotation.

**Parameters:**description - A human readable description of the constructor.constructorMethod - The java.lang.reflect.Constructor object describing the ModelMBean constructor.descriptor - An instance of Descriptor containing the appropriate metadata for this instance of the ModelMBeanConstructorInfo. If it is null, then a default descriptor will be created.If the descriptor does not contain the field "displayName" this fields is added in the descriptor with its default value. **Throws:** [RuntimeOperationsException](http://docs.google.com/javax/management/RuntimeOperationsException.html) - Wraps an IllegalArgumentException. The descriptor is invalid, or descriptor field "name" is not equal to name parameter, or descriptor field "DescriptorType" is not equal to "operation" or descriptor field "role" is not equal to "constructor".

### ModelMBeanConstructorInfo

public **ModelMBeanConstructorInfo**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html)[] signature)

Constructs a ModelMBeanConstructorInfo object with a default descriptor.

**Parameters:**name - The name of the constructor.description - A human readable description of the constructor.signature - MBeanParameterInfo object array describing the parameters(arguments) of the constructor.

### ModelMBeanConstructorInfo

public **ModelMBeanConstructorInfo**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) description,  
 [MBeanParameterInfo](http://docs.google.com/javax/management/MBeanParameterInfo.html)[] signature,  
 [Descriptor](http://docs.google.com/javax/management/Descriptor.html) descriptor)

Constructs a ModelMBeanConstructorInfo object.

**Parameters:**name - The name of the constructor.description - A human readable description of the constructor.signature - MBeanParameterInfo objects describing the parameters(arguments) of the constructor.descriptor - An instance of Descriptor containing the appropriate metadata for this instance of the MBeanConstructorInfo. If it is null then a default descriptor will be created. If the descriptor does not contain the field "displayName" this field is added in the descriptor with its default value. **Throws:** [RuntimeOperationsException](http://docs.google.com/javax/management/RuntimeOperationsException.html) - Wraps an IllegalArgumentException. The descriptor is invalid, or descriptor field "name" is not equal to name parameter, or descriptor field "DescriptorType" is not equal to "operation" or descriptor field "role" is not equal to "constructor".

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

### clone

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

Creates and returns a new ModelMBeanConstructorInfo which is a duplicate of this ModelMBeanConstructorInfo.

**Overrides:**[clone](http://docs.google.com/javax/management/MBeanConstructorInfo.html#clone()) in class [MBeanConstructorInfo](http://docs.google.com/javax/management/MBeanConstructorInfo.html) **Returns:**a clone of this instance.**See Also:**[Cloneable](http://docs.google.com/java/lang/Cloneable.html)

### getDescriptor

public [Descriptor](http://docs.google.com/javax/management/Descriptor.html) **getDescriptor**()

Returns a copy of the associated Descriptor.

**Specified by:**[getDescriptor](http://docs.google.com/javax/management/DescriptorRead.html#getDescriptor()) in interface [DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html)**Overrides:**[getDescriptor](http://docs.google.com/javax/management/MBeanFeatureInfo.html#getDescriptor()) in class [MBeanFeatureInfo](http://docs.google.com/javax/management/MBeanFeatureInfo.html) **Returns:**Descriptor associated with the ModelMBeanConstructorInfo object.**See Also:**[setDescriptor(javax.management.Descriptor)](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#setDescriptor(javax.management.Descriptor))

### setDescriptor

public void **setDescriptor**([Descriptor](http://docs.google.com/javax/management/Descriptor.html) inDescriptor)

Sets associated Descriptor (full replace) of ModelMBeanConstructorInfo. If the new Descriptor is null, then the associated Descriptor reverts to a default descriptor. The Descriptor is validated before it is assigned. If the new Descriptor is invalid, then a RuntimeOperationsException wrapping an IllegalArgumentException is thrown.

**Specified by:**[setDescriptor](http://docs.google.com/javax/management/DescriptorAccess.html#setDescriptor(javax.management.Descriptor)) in interface [DescriptorAccess](http://docs.google.com/javax/management/DescriptorAccess.html) **Parameters:**inDescriptor - replaces the Descriptor associated with the ModelMBeanConstructor. If the descriptor does not contain the field "displayName" this field is added in the descriptor with its default value. **Throws:** [RuntimeOperationsException](http://docs.google.com/javax/management/RuntimeOperationsException.html) - Wraps an IllegalArgumentException. The descriptor is invalid, or descriptor field "name" is not equal to name parameter, or descriptor field "DescriptorType" is not equal to "operation" or descriptor field "role" is not equal to "constructor".**See Also:**[getDescriptor()](http://docs.google.com/javax/management/modelmbean/ModelMBeanConstructorInfo.html#getDescriptor())

### toString

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

Returns a string containing the entire contents of the ModelMBeanConstructorInfo in human readable form.

**Overrides:**[toString](http://docs.google.com/javax/management/MBeanConstructorInfo.html#toString()) in class [MBeanConstructorInfo](http://docs.google.com/javax/management/MBeanConstructorInfo.html) **Returns:**a string representation of the object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ModelMBeanConstructorInfo.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/modelmbean/ModelMBeanAttributeInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/modelmbean/ModelMBeanInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/modelmbean/ModelMBeanConstructorInfo.html)    [**NO FRAMES**](http://docs.google.com/ModelMBeanConstructorInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#1ksv4uv) |

[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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