| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/javax/lang/model/util/package-tree.html)   [**NEXT**](http://docs.google.com/javax/management/loading/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package javax.management

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.util.[**AbstractCollection**](http://docs.google.com/java/util/AbstractCollection.html)<E> (implements java.util.[Collection](http://docs.google.com/java/util/Collection.html)<E>)
    - java.util.[**AbstractList**](http://docs.google.com/java/util/AbstractList.html)<E> (implements java.util.[List](http://docs.google.com/java/util/List.html)<E>)
      * java.util.[**ArrayList**](http://docs.google.com/java/util/ArrayList.html)<E> (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.util.[List](http://docs.google.com/java/util/List.html)<E>, java.util.[RandomAccess](http://docs.google.com/java/util/RandomAccess.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
        + javax.management.[**AttributeList**](http://docs.google.com/javax/management/AttributeList.html)
  + javax.management.[**Attribute**](http://docs.google.com/javax/management/Attribute.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + javax.management.[**AttributeChangeNotificationFilter**](http://docs.google.com/javax/management/AttributeChangeNotificationFilter.html) (implements javax.management.[NotificationFilter](http://docs.google.com/javax/management/NotificationFilter.html))
  + javax.management.[**AttributeValueExp**](http://docs.google.com/javax/management/AttributeValueExp.html) (implements javax.management.[ValueExp](http://docs.google.com/javax/management/ValueExp.html))
  + javax.management.[**DefaultLoaderRepository**](http://docs.google.com/javax/management/DefaultLoaderRepository.html)
  + java.util.[**EventObject**](http://docs.google.com/java/util/EventObject.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - javax.management.[**Notification**](http://docs.google.com/javax/management/Notification.html)
      * javax.management.[**AttributeChangeNotification**](http://docs.google.com/javax/management/AttributeChangeNotification.html)
      * javax.management.[**MBeanServerNotification**](http://docs.google.com/javax/management/MBeanServerNotification.html)
  + javax.management.[**ImmutableDescriptor**](http://docs.google.com/javax/management/ImmutableDescriptor.html) (implements javax.management.[Descriptor](http://docs.google.com/javax/management/Descriptor.html))
  + javax.management.[**JMX**](http://docs.google.com/javax/management/JMX.html)
  + javax.management.[**MBeanFeatureInfo**](http://docs.google.com/javax/management/MBeanFeatureInfo.html) (implements javax.management.[DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - javax.management.[**MBeanAttributeInfo**](http://docs.google.com/javax/management/MBeanAttributeInfo.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - javax.management.[**MBeanConstructorInfo**](http://docs.google.com/javax/management/MBeanConstructorInfo.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - javax.management.[**MBeanNotificationInfo**](http://docs.google.com/javax/management/MBeanNotificationInfo.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - javax.management.[**MBeanOperationInfo**](http://docs.google.com/javax/management/MBeanOperationInfo.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - javax.management.[**MBeanParameterInfo**](http://docs.google.com/javax/management/MBeanParameterInfo.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + javax.management.[**MBeanInfo**](http://docs.google.com/javax/management/MBeanInfo.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), javax.management.[DescriptorRead](http://docs.google.com/javax/management/DescriptorRead.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + javax.management.[**MBeanServerBuilder**](http://docs.google.com/javax/management/MBeanServerBuilder.html)
  + javax.management.[**MBeanServerDelegate**](http://docs.google.com/javax/management/MBeanServerDelegate.html) (implements javax.management.[MBeanServerDelegateMBean](http://docs.google.com/javax/management/MBeanServerDelegateMBean.html), javax.management.[NotificationEmitter](http://docs.google.com/javax/management/NotificationEmitter.html))
  + javax.management.[**MBeanServerFactory**](http://docs.google.com/javax/management/MBeanServerFactory.html)
  + javax.management.[**MBeanServerInvocationHandler**](http://docs.google.com/javax/management/MBeanServerInvocationHandler.html) (implements java.lang.reflect.[InvocationHandler](http://docs.google.com/java/lang/reflect/InvocationHandler.html))
  + javax.management.[**NotificationBroadcasterSupport**](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html) (implements javax.management.[NotificationEmitter](http://docs.google.com/javax/management/NotificationEmitter.html))
  + javax.management.[**NotificationFilterSupport**](http://docs.google.com/javax/management/NotificationFilterSupport.html) (implements javax.management.[NotificationFilter](http://docs.google.com/javax/management/NotificationFilter.html))
  + javax.management.[**ObjectInstance**](http://docs.google.com/javax/management/ObjectInstance.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + javax.management.[**ObjectName**](http://docs.google.com/javax/management/ObjectName.html) (implements java.lang.[Comparable](http://docs.google.com/java/lang/Comparable.html)<T>, javax.management.[QueryExp](http://docs.google.com/javax/management/QueryExp.html))
  + java.security.[**Permission**](http://docs.google.com/java/security/Permission.html) (implements java.security.[Guard](http://docs.google.com/java/security/Guard.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.security.[**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * javax.management.[**MBeanServerPermission**](http://docs.google.com/javax/management/MBeanServerPermission.html)
      * javax.management.[**MBeanTrustPermission**](http://docs.google.com/javax/management/MBeanTrustPermission.html)
    - javax.management.[**MBeanPermission**](http://docs.google.com/javax/management/MBeanPermission.html)
  + javax.management.[**Query**](http://docs.google.com/javax/management/Query.html)
  + javax.management.[**QueryEval**](http://docs.google.com/javax/management/QueryEval.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + javax.management.[**StandardMBean**](http://docs.google.com/javax/management/StandardMBean.html) (implements javax.management.[DynamicMBean](http://docs.google.com/javax/management/DynamicMBean.html), javax.management.[MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html))
    - javax.management.[**StandardEmitterMBean**](http://docs.google.com/javax/management/StandardEmitterMBean.html) (implements javax.management.[NotificationEmitter](http://docs.google.com/javax/management/NotificationEmitter.html))
  + javax.management.[**StringValueExp**](http://docs.google.com/javax/management/StringValueExp.html) (implements javax.management.[ValueExp](http://docs.google.com/javax/management/ValueExp.html))
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * javax.management.[**BadAttributeValueExpException**](http://docs.google.com/javax/management/BadAttributeValueExpException.html)
      * javax.management.[**BadBinaryOpValueExpException**](http://docs.google.com/javax/management/BadBinaryOpValueExpException.html)
      * javax.management.[**BadStringOperationException**](http://docs.google.com/javax/management/BadStringOperationException.html)
      * javax.management.[**InvalidApplicationException**](http://docs.google.com/javax/management/InvalidApplicationException.html)
      * javax.management.[**JMException**](http://docs.google.com/javax/management/JMException.html)
        + javax.management.[**MBeanException**](http://docs.google.com/javax/management/MBeanException.html)

javax.management.[**MBeanRegistrationException**](http://docs.google.com/javax/management/MBeanRegistrationException.html)

* + - * + javax.management.[**OperationsException**](http://docs.google.com/javax/management/OperationsException.html)

javax.management.[**AttributeNotFoundException**](http://docs.google.com/javax/management/AttributeNotFoundException.html)

javax.management.[**InstanceAlreadyExistsException**](http://docs.google.com/javax/management/InstanceAlreadyExistsException.html)

javax.management.[**InstanceNotFoundException**](http://docs.google.com/javax/management/InstanceNotFoundException.html)

javax.management.[**IntrospectionException**](http://docs.google.com/javax/management/IntrospectionException.html)

javax.management.[**InvalidAttributeValueException**](http://docs.google.com/javax/management/InvalidAttributeValueException.html)

javax.management.[**ListenerNotFoundException**](http://docs.google.com/javax/management/ListenerNotFoundException.html)

javax.management.[**MalformedObjectNameException**](http://docs.google.com/javax/management/MalformedObjectNameException.html)

javax.management.[**NotCompliantMBeanException**](http://docs.google.com/javax/management/NotCompliantMBeanException.html)

javax.management.[**ServiceNotFoundException**](http://docs.google.com/javax/management/ServiceNotFoundException.html)

* + - * + javax.management.[**ReflectionException**](http://docs.google.com/javax/management/ReflectionException.html)
      * java.lang.[**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html)
        + javax.management.[**JMRuntimeException**](http://docs.google.com/javax/management/JMRuntimeException.html)

javax.management.[**RuntimeErrorException**](http://docs.google.com/javax/management/RuntimeErrorException.html)

javax.management.[**RuntimeMBeanException**](http://docs.google.com/javax/management/RuntimeMBeanException.html)

javax.management.[**RuntimeOperationsException**](http://docs.google.com/javax/management/RuntimeOperationsException.html)

## Interface Hierarchy

* java.lang.[**Cloneable**](http://docs.google.com/java/lang/Cloneable.html)
  + javax.management.[**Descriptor**](http://docs.google.com/javax/management/Descriptor.html) (also extends java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
* javax.management.[**DescriptorRead**](http://docs.google.com/javax/management/DescriptorRead.html)
  + javax.management.[**DescriptorAccess**](http://docs.google.com/javax/management/DescriptorAccess.html)
* javax.management.[**DynamicMBean**](http://docs.google.com/javax/management/DynamicMBean.html)
* java.util.[**EventListener**](http://docs.google.com/java/util/EventListener.html)
  + javax.management.[**NotificationListener**](http://docs.google.com/javax/management/NotificationListener.html)
* javax.management.[**MBeanRegistration**](http://docs.google.com/javax/management/MBeanRegistration.html)
* javax.management.[**MBeanServerConnection**](http://docs.google.com/javax/management/MBeanServerConnection.html)
  + javax.management.[**MBeanServer**](http://docs.google.com/javax/management/MBeanServer.html)
* javax.management.[**MBeanServerDelegateMBean**](http://docs.google.com/javax/management/MBeanServerDelegateMBean.html)
* javax.management.[**NotificationBroadcaster**](http://docs.google.com/javax/management/NotificationBroadcaster.html)
  + javax.management.[**NotificationEmitter**](http://docs.google.com/javax/management/NotificationEmitter.html)
* javax.management.[**PersistentMBean**](http://docs.google.com/javax/management/PersistentMBean.html)
* java.io.[**Serializable**](http://docs.google.com/java/io/Serializable.html)
  + javax.management.[**Descriptor**](http://docs.google.com/javax/management/Descriptor.html) (also extends java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + javax.management.[**NotificationFilter**](http://docs.google.com/javax/management/NotificationFilter.html)
  + javax.management.[**QueryExp**](http://docs.google.com/javax/management/QueryExp.html)
  + javax.management.[**ValueExp**](http://docs.google.com/javax/management/ValueExp.html)

## Annotation Type Hierarchy

* javax.management.[**MXBean**](http://docs.google.com/javax/management/MXBean.html) (implements java.lang.annotation.[Annotation](http://docs.google.com/java/lang/annotation/Annotation.html))
* javax.management.[**DescriptorKey**](http://docs.google.com/javax/management/DescriptorKey.html) (implements java.lang.annotation.[Annotation](http://docs.google.com/java/lang/annotation/Annotation.html))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/javax/lang/model/util/package-tree.html)   [**NEXT**](http://docs.google.com/javax/management/loading/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.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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