| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Monitor.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/monitor/GaugeMonitorMBean.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/monitor/MonitorMBean.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/monitor/Monitor.html)    [**NO FRAMES**](http://docs.google.com/Monitor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#1y810tw) | [METHOD](#2xcytpi) |

## **javax.management.monitor**

Class Monitor

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.management.NotificationBroadcasterSupport](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html)  
 **javax.management.monitor.Monitor**

**All Implemented Interfaces:** [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html), [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html), [NotificationBroadcaster](http://docs.google.com/javax/management/NotificationBroadcaster.html), [NotificationEmitter](http://docs.google.com/javax/management/NotificationEmitter.html) **Direct Known Subclasses:** [CounterMonitor](http://docs.google.com/javax/management/monitor/CounterMonitor.html), [GaugeMonitor](http://docs.google.com/javax/management/monitor/GaugeMonitor.html), [StringMonitor](http://docs.google.com/javax/management/monitor/StringMonitor.html)

public abstract class **Monitor**extends [NotificationBroadcasterSupport](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html)implements [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html), [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html)

Defines the part common to all monitor MBeans. A monitor MBean monitors values of an attribute common to a set of observed MBeans. The observed attribute is monitored at intervals specified by the granularity period. A gauge value (derived gauge) is derived from the values of the observed attribute.

**Since:** 1.5

| **Field Summary** | |
| --- | --- |
| protected  int | [**alreadyNotified**](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotified)  **Deprecated.** *equivalent to* [*alreadyNotifieds*](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds)*[0].* |
| protected  int[] | [**alreadyNotifieds**](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds)            Selected monitor errors that have already been notified. |
| protected static int | [**capacityIncrement**](http://docs.google.com/javax/management/monitor/Monitor.html#capacityIncrement)            The amount by which the capacity of the monitor arrays are automatically incremented when their size becomes greater than their capacity. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**dbgTag**](http://docs.google.com/javax/management/monitor/Monitor.html#dbgTag)  **Deprecated.** *No replacement.* |
| protected  int | [**elementCount**](http://docs.google.com/javax/management/monitor/Monitor.html#elementCount)            The number of valid components in the vector of observed objects. |
| protected static int | [**OBSERVED\_ATTRIBUTE\_ERROR\_NOTIFIED**](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_ATTRIBUTE_ERROR_NOTIFIED)            Flag denoting that a notification has occurred after changing the observed attribute. |
| protected static int | [**OBSERVED\_ATTRIBUTE\_TYPE\_ERROR\_NOTIFIED**](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_ATTRIBUTE_TYPE_ERROR_NOTIFIED)            Flag denoting that a notification has occurred after changing the observed object or the observed attribute. |
| protected static int | [**OBSERVED\_OBJECT\_ERROR\_NOTIFIED**](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_OBJECT_ERROR_NOTIFIED)            Flag denoting that a notification has occurred after changing the observed object. |
| protected static int | [**RESET\_FLAGS\_ALREADY\_NOTIFIED**](http://docs.google.com/javax/management/monitor/Monitor.html#RESET_FLAGS_ALREADY_NOTIFIED)            This flag is used to reset the [alreadyNotifieds](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds) monitor attribute. |
| protected static int | [**RUNTIME\_ERROR\_NOTIFIED**](http://docs.google.com/javax/management/monitor/Monitor.html#RUNTIME_ERROR_NOTIFIED)            Flag denoting that a notification has occurred after changing the observed object or the observed attribute. |
| protected  [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) | [**server**](http://docs.google.com/javax/management/monitor/Monitor.html#server)            Reference to the MBean server. |

| **Constructor Summary** | |
| --- | --- |
| [**Monitor**](http://docs.google.com/javax/management/monitor/Monitor.html#Monitor())() |

| **Method Summary** | |
| --- | --- |
| void | [**addObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#addObservedObject(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Adds the specified object in the set of observed MBeans, if this object is not already present. |
| boolean | [**containsObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#containsObservedObject(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Tests whether the specified object is in the set of observed MBeans. |
| long | [**getGranularityPeriod**](http://docs.google.com/javax/management/monitor/Monitor.html#getGranularityPeriod())()            Gets the granularity period (in milliseconds). |
| [String](http://docs.google.com/java/lang/String.html) | [**getObservedAttribute**](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedAttribute())()            Gets the attribute being observed. |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html) | [**getObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObject())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getObservedObjects()*](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObjects()) |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html)[] | [**getObservedObjects**](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObjects())()            Returns an array containing the objects being observed. |
| boolean | [**isActive**](http://docs.google.com/javax/management/monitor/Monitor.html#isActive())()            Tests whether the monitor MBean is active. |
| void | [**postDeregister**](http://docs.google.com/javax/management/monitor/Monitor.html#postDeregister())()            Allows the monitor MBean to perform any operations needed after having been unregistered by the MBean server. |
| void | [**postRegister**](http://docs.google.com/javax/management/monitor/Monitor.html#postRegister(java.lang.Boolean))([Boolean](http://docs.google.com/java/lang/Boolean.html) registrationDone)            Allows the monitor MBean to perform any operations needed after having been registered in the MBean server or after the registration has failed. |
| void | [**preDeregister**](http://docs.google.com/javax/management/monitor/Monitor.html#preDeregister())()            Allows the monitor MBean to perform any operations it needs before being unregistered by the MBean server. |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html) | [**preRegister**](http://docs.google.com/javax/management/monitor/Monitor.html#preRegister(javax.management.MBeanServer,%20javax.management.ObjectName))([MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) server, [ObjectName](http://docs.google.com/javax/management/ObjectName.html) name)            Allows the monitor MBean to perform any operations it needs before being registered in the MBean server. |
| void | [**removeObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#removeObservedObject(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Removes the specified object from the set of observed MBeans. |
| void | [**setGranularityPeriod**](http://docs.google.com/javax/management/monitor/Monitor.html#setGranularityPeriod(long))(long period)            Sets the granularity period (in milliseconds). |
| void | [**setObservedAttribute**](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedAttribute(java.lang.String))([String](http://docs.google.com/java/lang/String.html) attribute)            Sets the attribute to observe. |
| void | [**setObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedObject(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)  **Deprecated.** *As of JMX 1.2, replaced by* [*addObservedObject(javax.management.ObjectName)*](http://docs.google.com/javax/management/monitor/Monitor.html#addObservedObject(javax.management.ObjectName)) |
| abstract  void | [**start**](http://docs.google.com/javax/management/monitor/Monitor.html#start())()            Starts the monitor. |
| abstract  void | [**stop**](http://docs.google.com/javax/management/monitor/Monitor.html#stop())()            Stops the monitor. |

| **Methods inherited from class javax.management.**[**NotificationBroadcasterSupport**](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html) |
| --- |
| [addNotificationListener](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#addNotificationListener(javax.management.NotificationListener,%20javax.management.NotificationFilter,%20java.lang.Object)), [getNotificationInfo](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#getNotificationInfo()), [handleNotification](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#handleNotification(javax.management.NotificationListener,%20javax.management.Notification,%20java.lang.Object)), [removeNotificationListener](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#removeNotificationListener(javax.management.NotificationListener)), [removeNotificationListener](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#removeNotificationListener(javax.management.NotificationListener,%20javax.management.NotificationFilter,%20java.lang.Object)), [sendNotification](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#sendNotification(javax.management.Notification)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

| **Field Detail** |
| --- |

### capacityIncrement

protected static final int **capacityIncrement**

The amount by which the capacity of the monitor arrays are automatically incremented when their size becomes greater than their capacity.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.monitor.Monitor.capacityIncrement)

### elementCount

protected int **elementCount**

The number of valid components in the vector of observed objects.

### alreadyNotified

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
protected int **alreadyNotified**

**Deprecated.** *equivalent to* [*alreadyNotifieds*](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds)*[0].*Monitor errors that have already been notified.

### alreadyNotifieds

protected int[] **alreadyNotifieds**

Selected monitor errors that have already been notified.

Each element in this array corresponds to an observed object in the vector. It contains a bit mask of the flags [OBSERVED\_OBJECT\_ERROR\_NOTIFIED](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_OBJECT_ERROR_NOTIFIED) etc, indicating whether the corresponding notification has already been sent for the MBean being monitored.

### server

protected [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) **server**

Reference to the MBean server. This reference is null when the monitor MBean is not registered in an MBean server. This reference is initialized before the monitor MBean is registered in the MBean server.

**See Also:**[preRegister(MBeanServer server, ObjectName name)](http://docs.google.com/javax/management/monitor/Monitor.html#preRegister(javax.management.MBeanServer,%20javax.management.ObjectName))

### RESET\_FLAGS\_ALREADY\_NOTIFIED

protected static final int **RESET\_FLAGS\_ALREADY\_NOTIFIED**

This flag is used to reset the [alreadyNotifieds](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds) monitor attribute.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.monitor.Monitor.RESET_FLAGS_ALREADY_NOTIFIED)

### OBSERVED\_OBJECT\_ERROR\_NOTIFIED

protected static final int **OBSERVED\_OBJECT\_ERROR\_NOTIFIED**

Flag denoting that a notification has occurred after changing the observed object. This flag is used to check that the new observed object is registered in the MBean server at the time of the first notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.monitor.Monitor.OBSERVED_OBJECT_ERROR_NOTIFIED)

### OBSERVED\_ATTRIBUTE\_ERROR\_NOTIFIED

protected static final int **OBSERVED\_ATTRIBUTE\_ERROR\_NOTIFIED**

Flag denoting that a notification has occurred after changing the observed attribute. This flag is used to check that the new observed attribute belongs to the observed object at the time of the first notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.monitor.Monitor.OBSERVED_ATTRIBUTE_ERROR_NOTIFIED)

### OBSERVED\_ATTRIBUTE\_TYPE\_ERROR\_NOTIFIED

protected static final int **OBSERVED\_ATTRIBUTE\_TYPE\_ERROR\_NOTIFIED**

Flag denoting that a notification has occurred after changing the observed object or the observed attribute. This flag is used to check that the observed attribute type is correct (depending on the monitor in use) at the time of the first notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.monitor.Monitor.OBSERVED_ATTRIBUTE_TYPE_ERROR_NOTIFIED)

### RUNTIME\_ERROR\_NOTIFIED

protected static final int **RUNTIME\_ERROR\_NOTIFIED**

Flag denoting that a notification has occurred after changing the observed object or the observed attribute. This flag is used to notify any exception (except the cases described above) when trying to get the value of the observed attribute at the time of the first notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.monitor.Monitor.RUNTIME_ERROR_NOTIFIED)

### dbgTag

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
protected [String](http://docs.google.com/java/lang/String.html) **dbgTag**

**Deprecated.** *No replacement.*This field is retained for compatibility but should not be referenced.

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

### Monitor

public **Monitor**()

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

### preRegister

public [ObjectName](http://docs.google.com/javax/management/ObjectName.html) **preRegister**([MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) server,  
 [ObjectName](http://docs.google.com/javax/management/ObjectName.html) name)  
 throws [Exception](http://docs.google.com/java/lang/Exception.html)

Allows the monitor MBean to perform any operations it needs before being registered in the MBean server.

Initializes the reference to the MBean server.

**Specified by:**[preRegister](http://docs.google.com/javax/management/MBeanRegistration.html#preRegister(javax.management.MBeanServer,%20javax.management.ObjectName)) in interface [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html) **Parameters:**server - The MBean server in which the monitor MBean will be registered.name - The object name of the monitor MBean. **Returns:**The name of the monitor MBean registered. **Throws:** [Exception](http://docs.google.com/java/lang/Exception.html)

### postRegister

public void **postRegister**([Boolean](http://docs.google.com/java/lang/Boolean.html) registrationDone)

Allows the monitor MBean to perform any operations needed after having been registered in the MBean server or after the registration has failed.

Not used in this context.

**Specified by:**[postRegister](http://docs.google.com/javax/management/MBeanRegistration.html#postRegister(java.lang.Boolean)) in interface [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html) **Parameters:**registrationDone - Indicates whether or not the MBean has been successfully registered in the MBean server. The value false means that the registration phase has failed.

### preDeregister

public void **preDeregister**()  
 throws [Exception](http://docs.google.com/java/lang/Exception.html)

Allows the monitor MBean to perform any operations it needs before being unregistered by the MBean server.

Stops the monitor.

**Specified by:**[preDeregister](http://docs.google.com/javax/management/MBeanRegistration.html#preDeregister()) in interface [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html) **Throws:** [Exception](http://docs.google.com/java/lang/Exception.html)

### postDeregister

public void **postDeregister**()

Allows the monitor MBean to perform any operations needed after having been unregistered by the MBean server.

Not used in this context.

**Specified by:**[postDeregister](http://docs.google.com/javax/management/MBeanRegistration.html#postDeregister()) in interface [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html)

### start

public abstract void **start**()

Starts the monitor.

**Specified by:**[start](http://docs.google.com/javax/management/monitor/MonitorMBean.html#start()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html)

### stop

public abstract void **stop**()

Stops the monitor.

**Specified by:**[stop](http://docs.google.com/javax/management/monitor/MonitorMBean.html#stop()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html)

### getObservedObject

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public [ObjectName](http://docs.google.com/javax/management/ObjectName.html) **getObservedObject**()

**Deprecated.** *As of JMX 1.2, replaced by* [*getObservedObjects()*](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObjects())

Returns the object name of the first object in the set of observed MBeans, or null if there is no such object.

**Specified by:**[getObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObject()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Returns:**The object being observed.**See Also:**[setObservedObject(ObjectName)](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedObject(javax.management.ObjectName))

### setObservedObject

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public void **setObservedObject**([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

**Deprecated.** *As of JMX 1.2, replaced by* [*addObservedObject(javax.management.ObjectName)*](http://docs.google.com/javax/management/monitor/Monitor.html#addObservedObject(javax.management.ObjectName))

Removes all objects from the set of observed objects, and then adds the specified object.

**Specified by:**[setObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setObservedObject(javax.management.ObjectName)) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Parameters:**object - The object to observe. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified object is null.**See Also:**[getObservedObject()](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObject())

### addObservedObject

public void **addObservedObject**([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Adds the specified object in the set of observed MBeans, if this object is not already present.

**Specified by:**[addObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#addObservedObject(javax.management.ObjectName)) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Parameters:**object - The object to observe. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified object is null.

### removeObservedObject

public void **removeObservedObject**([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)

Removes the specified object from the set of observed MBeans.

**Specified by:**[removeObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#removeObservedObject(javax.management.ObjectName)) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Parameters:**object - The object to remove.

### containsObservedObject

public boolean **containsObservedObject**([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)

Tests whether the specified object is in the set of observed MBeans.

**Specified by:**[containsObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#containsObservedObject(javax.management.ObjectName)) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Parameters:**object - The object to check. **Returns:**true if the specified object is present, false otherwise.

### getObservedObjects

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

Returns an array containing the objects being observed.

**Specified by:**[getObservedObjects](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObjects()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Returns:**The objects being observed.

### getObservedAttribute

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

Gets the attribute being observed.

The observed attribute is not initialized by default (set to null).

**Specified by:**[getObservedAttribute](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedAttribute()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Returns:**The attribute being observed.**See Also:**[setObservedAttribute(java.lang.String)](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedAttribute(java.lang.String))

### setObservedAttribute

public void **setObservedAttribute**([String](http://docs.google.com/java/lang/String.html) attribute)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the attribute to observe.

The observed attribute is not initialized by default (set to null).

**Specified by:**[setObservedAttribute](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setObservedAttribute(java.lang.String)) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Parameters:**attribute - The attribute to observe. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified attribute is null.**See Also:**[getObservedAttribute()](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedAttribute())

### getGranularityPeriod

public long **getGranularityPeriod**()

Gets the granularity period (in milliseconds).

The default value of the granularity period is 10 seconds.

**Specified by:**[getGranularityPeriod](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getGranularityPeriod()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Returns:**The granularity period value.**See Also:**[setGranularityPeriod(long)](http://docs.google.com/javax/management/monitor/Monitor.html#setGranularityPeriod(long))

### setGranularityPeriod

public void **setGranularityPeriod**(long period)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the granularity period (in milliseconds).

The default value of the granularity period is 10 seconds.

**Specified by:**[setGranularityPeriod](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setGranularityPeriod(long)) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Parameters:**period - The granularity period value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The granularity period is less than or equal to zero.**See Also:**[getGranularityPeriod()](http://docs.google.com/javax/management/monitor/Monitor.html#getGranularityPeriod())

### isActive

public boolean **isActive**()

Tests whether the monitor MBean is active. A monitor MBean is marked active when the [start](http://docs.google.com/javax/management/monitor/Monitor.html#start()) method is called. It becomes inactive when the [stop](http://docs.google.com/javax/management/monitor/Monitor.html#stop()) method is called.

**Specified by:**[isActive](http://docs.google.com/javax/management/monitor/MonitorMBean.html#isActive()) in interface [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **Returns:**true if the monitor MBean is active, false otherwise.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Monitor.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/monitor/GaugeMonitorMBean.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/monitor/MonitorMBean.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/monitor/Monitor.html)    [**NO FRAMES**](http://docs.google.com/Monitor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#1y810tw) | [METHOD](#2xcytpi) |

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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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