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

## **javax.management.monitor**

Interface MonitorMBean

**All Known Subinterfaces:** [CounterMonitorMBean](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html), [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html), [StringMonitorMBean](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html) **All Known Implementing Classes:** [CounterMonitor](http://docs.google.com/javax/management/monitor/CounterMonitor.html), [GaugeMonitor](http://docs.google.com/javax/management/monitor/GaugeMonitor.html), [Monitor](http://docs.google.com/javax/management/monitor/Monitor.html), [StringMonitor](http://docs.google.com/javax/management/monitor/StringMonitor.html)

public interface **MonitorMBean**

Exposes the remote management interface of monitor MBeans.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| void | [**addObservedObject**](http://docs.google.com/javax/management/monitor/MonitorMBean.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. |
| boolean | [**containsObservedObject**](http://docs.google.com/javax/management/monitor/MonitorMBean.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/MonitorMBean.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/MonitorMBean.html#getObservedAttribute())()            Gets the attribute being observed. |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html) | [**getObservedObject**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObject())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getObservedObjects()*](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObjects()) |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html)[] | [**getObservedObjects**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObjects())()            Returns an array containing the objects being observed. |
| boolean | [**isActive**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#isActive())()            Tests if the monitor MBean is active. |
| void | [**removeObservedObject**](http://docs.google.com/javax/management/monitor/MonitorMBean.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/MonitorMBean.html#setGranularityPeriod(long))(long period)            Sets the granularity period (in milliseconds). |
| void | [**setObservedAttribute**](http://docs.google.com/javax/management/monitor/MonitorMBean.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/MonitorMBean.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/MonitorMBean.html#addObservedObject(javax.management.ObjectName)) |
| void | [**start**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#start())()            Starts the monitor. |
| void | [**stop**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#stop())()            Stops the monitor. |

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

### start

void **start**()

Starts the monitor.

### stop

void **stop**()

Stops the monitor.

### addObservedObject

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.

**Parameters:**object - The object to observe. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - the specified object is null.

### removeObservedObject

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

Removes the specified object from the set of observed MBeans.

**Parameters:**object - The object to remove.

### containsObservedObject

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

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

**Parameters:**object - The object to check. **Returns:**true if the specified object is in the set, false otherwise.

### getObservedObjects

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

Returns an array containing the objects being observed.

**Returns:**The objects being observed.

### getObservedObject

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
[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/MonitorMBean.html#getObservedObjects())

Gets the object name of the object being observed.

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

### setObservedObject

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
void **setObservedObject**([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/MonitorMBean.html#addObservedObject(javax.management.ObjectName))

Sets the object to observe identified by its object name.

**Parameters:**object - The object to observe.**See Also:**[getObservedObject()](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObject())

### getObservedAttribute

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

Gets the attribute being observed.

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

### setObservedAttribute

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

Sets the attribute to observe.

**Parameters:**attribute - The attribute to observe.**See Also:**[getObservedAttribute()](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedAttribute())

### getGranularityPeriod

long **getGranularityPeriod**()

Gets the granularity period (in milliseconds).

**Returns:**The granularity period.**See Also:**[setGranularityPeriod(long)](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setGranularityPeriod(long))

### setGranularityPeriod

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

Sets the granularity period (in milliseconds).

**Parameters:**period - The granularity period. **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/MonitorMBean.html#getGranularityPeriod())

### isActive

boolean **isActive**()

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

**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/MonitorMBean.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*** |
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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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