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

## **javax.management.monitor**

Interface CounterMonitorMBean

**All Superinterfaces:** [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html) **All Known Implementing Classes:** [CounterMonitor](http://docs.google.com/javax/management/monitor/CounterMonitor.html)

public interface **CounterMonitorMBean**extends [MonitorMBean](http://docs.google.com/javax/management/monitor/MonitorMBean.html)

Exposes the remote management interface of the counter monitor MBean.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge for the specified MBean. |
| long | [**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | [**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge timestamp for the specified MBean. |
| boolean | [**getDifferenceMode**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDifferenceMode())()            Gets the difference mode flag value. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getInitThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getInitThreshold())()            Gets the initial threshold value common to all observed objects. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getModulus**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getModulus())()            Gets the modulus value. |
| boolean | [**getNotify**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getNotify())()            Gets the notification's on/off switch value. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getOffset**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getOffset())()            Gets the offset value. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getThreshold(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the threshold value for the specified MBean. |
| void | [**setDifferenceMode**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setDifferenceMode(boolean))(boolean value)            Sets the difference mode flag value. |
| void | [**setInitThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the initial threshold value common to all observed MBeans. |
| void | [**setModulus**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setModulus(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the modulus value. |
| void | [**setNotify**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setNotify(boolean))(boolean value)            Sets the notification's on/off switch value. |
| void | [**setOffset**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setOffset(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the offset value. |
| void | [**setThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)  **Deprecated.** *As of JMX 1.2, replaced by* [*setInitThreshold(java.lang.Number)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number)) |

| **Methods inherited from interface javax.management.monitor.**[**MonitorMBean**](http://docs.google.com/javax/management/monitor/MonitorMBean.html) |
| --- |
| [addObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#addObservedObject(javax.management.ObjectName)), [containsObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#containsObservedObject(javax.management.ObjectName)), [getGranularityPeriod](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getGranularityPeriod()), [getObservedAttribute](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedAttribute()), [getObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObject()), [getObservedObjects](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObjects()), [isActive](http://docs.google.com/javax/management/monitor/MonitorMBean.html#isActive()), [removeObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#removeObservedObject(javax.management.ObjectName)), [setGranularityPeriod](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setGranularityPeriod(long)), [setObservedAttribute](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setObservedAttribute(java.lang.String)), [setObservedObject](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setObservedObject(javax.management.ObjectName)), [start](http://docs.google.com/javax/management/monitor/MonitorMBean.html#start()), [stop](http://docs.google.com/javax/management/monitor/MonitorMBean.html#stop()) |

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

### getDerivedGauge

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
[Number](http://docs.google.com/java/lang/Number.html) **getDerivedGauge**()

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

Gets the derived gauge.

**Returns:**The derived gauge.

### getDerivedGaugeTimeStamp

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
long **getDerivedGaugeTimeStamp**()

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

Gets the derived gauge timestamp.

**Returns:**The derived gauge timestamp.

### getThreshold

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
[Number](http://docs.google.com/java/lang/Number.html) **getThreshold**()

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

Gets the threshold value.

**Returns:**The threshold value.**See Also:**[setThreshold(Number)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setThreshold(java.lang.Number))

### setThreshold

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
void **setThreshold**([Number](http://docs.google.com/java/lang/Number.html) value)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

**Deprecated.** *As of JMX 1.2, replaced by* [*setInitThreshold(java.lang.Number)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number))

Sets the threshold value.

**Parameters:**value - The threshold value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified threshold is null or the threshold value is less than zero.**See Also:**[getThreshold()](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold())

### getDerivedGauge

[Number](http://docs.google.com/java/lang/Number.html) **getDerivedGauge**([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)

Gets the derived gauge for the specified MBean.

**Parameters:**object - the MBean for which the derived gauge is to be returned **Returns:**The derived gauge for the specified MBean if this MBean is in the set of observed MBeans, or null otherwise.

### getDerivedGaugeTimeStamp

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

Gets the derived gauge timestamp for the specified MBean.

**Parameters:**object - the MBean for which the derived gauge timestamp is to be returned **Returns:**The derived gauge timestamp for the specified MBean if this MBean is in the set of observed MBeans, or null otherwise.

### getThreshold

[Number](http://docs.google.com/java/lang/Number.html) **getThreshold**([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)

Gets the threshold value for the specified MBean.

**Parameters:**object - the MBean for which the threshold value is to be returned **Returns:**The threshold value for the specified MBean if this MBean is in the set of observed MBeans, or null otherwise.**See Also:**[setThreshold(java.lang.Number)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setThreshold(java.lang.Number))

### getInitThreshold

[Number](http://docs.google.com/java/lang/Number.html) **getInitThreshold**()

Gets the initial threshold value common to all observed objects.

**Returns:**The initial threshold value.**See Also:**[setInitThreshold(java.lang.Number)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number))

### setInitThreshold

void **setInitThreshold**([Number](http://docs.google.com/java/lang/Number.html) value)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the initial threshold value common to all observed MBeans.

**Parameters:**value - The initial threshold value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified threshold is null or the threshold value is less than zero.**See Also:**[getInitThreshold()](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getInitThreshold())

### getOffset

[Number](http://docs.google.com/java/lang/Number.html) **getOffset**()

Gets the offset value.

**Returns:**The offset value.**See Also:**[setOffset(Number)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setOffset(java.lang.Number))

### setOffset

void **setOffset**([Number](http://docs.google.com/java/lang/Number.html) value)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the offset value.

**Parameters:**value - The offset value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified offset is null or the offset value is less than zero.**See Also:**[getOffset()](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getOffset())

### getModulus

[Number](http://docs.google.com/java/lang/Number.html) **getModulus**()

Gets the modulus value.

**Returns:**The modulus value.**See Also:**[setModulus(java.lang.Number)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setModulus(java.lang.Number))

### setModulus

void **setModulus**([Number](http://docs.google.com/java/lang/Number.html) value)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the modulus value.

**Parameters:**value - The modulus value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified modulus is null or the modulus value is less than zero.**See Also:**[getModulus()](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getModulus())

### getNotify

boolean **getNotify**()

Gets the notification's on/off switch value.

**Returns:**true if the counter monitor notifies when exceeding the threshold, false otherwise.**See Also:**[setNotify(boolean)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setNotify(boolean))

### setNotify

void **setNotify**(boolean value)

Sets the notification's on/off switch value.

**Parameters:**value - The notification's on/off switch value.**See Also:**[getNotify()](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getNotify())

### getDifferenceMode

boolean **getDifferenceMode**()

Gets the difference mode flag value.

**Returns:**true if the difference mode is used, false otherwise.**See Also:**[setDifferenceMode(boolean)](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setDifferenceMode(boolean))

### setDifferenceMode

void **setDifferenceMode**(boolean value)

Sets the difference mode flag value.

**Parameters:**value - The difference mode flag value.**See Also:**[getDifferenceMode()](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDifferenceMode())

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

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).