| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/GaugeMonitorMBean.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/GaugeMonitor.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/monitor/Monitor.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/monitor/GaugeMonitorMBean.html)    [**NO FRAMES**](http://docs.google.com/GaugeMonitorMBean.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 GaugeMonitorMBean

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

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

Exposes the remote management interface of the gauge monitor MBean.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.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/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | [**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.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/GaugeMonitorMBean.html#getDifferenceMode())()            Gets the difference mode flag value. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getHighThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getHighThreshold())()            Gets the high threshold value. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getLowThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getLowThreshold())()            Gets the low threshold value. |
| boolean | [**getNotifyHigh**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getNotifyHigh())()            Gets the high notification's on/off switch value. |
| boolean | [**getNotifyLow**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getNotifyLow())()            Gets the low notification's on/off switch value. |
| void | [**setDifferenceMode**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setDifferenceMode(boolean))(boolean value)            Sets the difference mode flag value. |
| void | [**setNotifyHigh**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setNotifyHigh(boolean))(boolean value)            Sets the high notification's on/off switch value. |
| void | [**setNotifyLow**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setNotifyLow(boolean))(boolean value)            Sets the low notification's on/off switch value. |
| void | [**setThresholds**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setThresholds(java.lang.Number,%20java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) highValue, [Number](http://docs.google.com/java/lang/Number.html) lowValue)            Sets the high and the low threshold values. |

| **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/GaugeMonitorMBean.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/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName))

Gets the derived gauge timestamp.

**Returns:**The derived gauge timestamp.

### 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.

### getHighThreshold

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

Gets the high threshold value.

**Returns:**The high threshold value.

### getLowThreshold

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

Gets the low threshold value.

**Returns:**The low threshold value.

### setThresholds

void **setThresholds**([Number](http://docs.google.com/java/lang/Number.html) highValue,  
 [Number](http://docs.google.com/java/lang/Number.html) lowValue)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the high and the low threshold values.

**Parameters:**highValue - The high threshold value.lowValue - The low threshold value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified high/low threshold is null or the low threshold is greater than the high threshold or the high threshold and the low threshold are not of the same type.

### getNotifyHigh

boolean **getNotifyHigh**()

Gets the high notification's on/off switch value.

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

### setNotifyHigh

void **setNotifyHigh**(boolean value)

Sets the high notification's on/off switch value.

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

### getNotifyLow

boolean **getNotifyLow**()

Gets the low notification's on/off switch value.

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

### setNotifyLow

void **setNotifyLow**(boolean value)

Sets the low notification's on/off switch value.

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

### 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/GaugeMonitorMBean.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/GaugeMonitorMBean.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/GaugeMonitorMBean.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/GaugeMonitor.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/monitor/Monitor.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/monitor/GaugeMonitorMBean.html)    [**NO FRAMES**](http://docs.google.com/GaugeMonitorMBean.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.

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