| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/GaugeMonitor.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/CounterMonitorMBean.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/monitor/GaugeMonitor.html)    [**NO FRAMES**](http://docs.google.com/GaugeMonitor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **javax.management.monitor**

Class GaugeMonitor

[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](http://docs.google.com/javax/management/monitor/Monitor.html)  
 **javax.management.monitor.GaugeMonitor**

**All Implemented Interfaces:** [MBeanRegistration](http://docs.google.com/javax/management/MBeanRegistration.html), [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.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)

public class **GaugeMonitor**extends [Monitor](http://docs.google.com/javax/management/monitor/Monitor.html)implements [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html)

Defines a monitor MBean designed to observe the values of a gauge attribute.

A gauge monitor observes an attribute that is continuously variable with time. A gauge monitor sends notifications as follows:

* if the attribute value is increasing and becomes equal to or greater than the high threshold value, a [threshold high notification](http://docs.google.com/javax/management/monitor/MonitorNotification.html#THRESHOLD_HIGH_VALUE_EXCEEDED) is sent. The notify high flag must be set to true.  
  Subsequent crossings of the high threshold value do not cause further notifications unless the attribute value becomes equal to or less than the low threshold value.
* if the attribute value is decreasing and becomes equal to or less than the low threshold value, a [threshold low notification](http://docs.google.com/javax/management/monitor/MonitorNotification.html#THRESHOLD_LOW_VALUE_EXCEEDED) is sent. The notify low flag must be set to true.  
  Subsequent crossings of the low threshold value do not cause further notifications unless the attribute value becomes equal to or greater than the high threshold value.

This provides a hysteresis mechanism to avoid repeated triggering of notifications when the attribute value makes small oscillations around the high or low threshold value.

If the gauge difference mode is used, the value of the derived gauge is calculated as the difference between the observed gauge values for two successive observations.

The derived gauge value (V[t]) is calculated using the following method:

* V[t] = gauge[t] - gauge[t-GP]

This implementation of the gauge monitor requires the observed attribute to be of the type integer or floating-point (Byte, Integer, Short, Long, Float, Double).

**Since:** 1.5

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.management.monitor.**[**Monitor**](http://docs.google.com/javax/management/monitor/Monitor.html) |
| --- |
| [alreadyNotified](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotified), [alreadyNotifieds](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds), [capacityIncrement](http://docs.google.com/javax/management/monitor/Monitor.html#capacityIncrement), [dbgTag](http://docs.google.com/javax/management/monitor/Monitor.html#dbgTag), [elementCount](http://docs.google.com/javax/management/monitor/Monitor.html#elementCount), [OBSERVED\_ATTRIBUTE\_ERROR\_NOTIFIED](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_ATTRIBUTE_ERROR_NOTIFIED), [OBSERVED\_ATTRIBUTE\_TYPE\_ERROR\_NOTIFIED](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_ATTRIBUTE_TYPE_ERROR_NOTIFIED), [OBSERVED\_OBJECT\_ERROR\_NOTIFIED](http://docs.google.com/javax/management/monitor/Monitor.html#OBSERVED_OBJECT_ERROR_NOTIFIED), [RESET\_FLAGS\_ALREADY\_NOTIFIED](http://docs.google.com/javax/management/monitor/Monitor.html#RESET_FLAGS_ALREADY_NOTIFIED), [RUNTIME\_ERROR\_NOTIFIED](http://docs.google.com/javax/management/monitor/Monitor.html#RUNTIME_ERROR_NOTIFIED), [server](http://docs.google.com/javax/management/monitor/Monitor.html#server) |

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

| **Method Summary** | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge of the specified object, if this object is contained in the set of observed MBeans, or null otherwise. |
| long | [**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | [**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGaugeTimeStamp(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge timestamp of the specified object, if this object is contained in the set of observed MBeans, or 0 otherwise. |
| boolean | [**getDifferenceMode**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDifferenceMode())()            Gets the difference mode flag value common to all observed MBeans. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getHighThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getHighThreshold())()            Gets the high threshold value common to all observed MBeans. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getLowThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getLowThreshold())()            Gets the low threshold value common to all observed MBeans. |
| [MBeanNotificationInfo](http://docs.google.com/javax/management/MBeanNotificationInfo.html)[] | [**getNotificationInfo**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getNotificationInfo())()            Returns a NotificationInfo object containing the name of the Java class of the notification and the notification types sent by the gauge monitor. |
| boolean | [**getNotifyHigh**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getNotifyHigh())()            Gets the high notification's on/off switch value common to all observed MBeans. |
| boolean | [**getNotifyLow**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getNotifyLow())()            Gets the low notification's on/off switch value common to all observed MBeans. |
| void | [**setDifferenceMode**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#setDifferenceMode(boolean))(boolean value)            Sets the difference mode flag value common to all observed MBeans. |
| void | [**setNotifyHigh**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#setNotifyHigh(boolean))(boolean value)            Sets the high notification's on/off switch value common to all observed MBeans. |
| void | [**setNotifyLow**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#setNotifyLow(boolean))(boolean value)            Sets the low notification's on/off switch value common to all observed MBeans. |
| void | [**setThresholds**](http://docs.google.com/javax/management/monitor/GaugeMonitor.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 common to all observed MBeans. |
| void | [**start**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#start())()            Starts the gauge monitor. |
| void | [**stop**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#stop())()            Stops the gauge monitor. |

| **Methods inherited from class javax.management.monitor.**[**Monitor**](http://docs.google.com/javax/management/monitor/Monitor.html) |
| --- |
| [addObservedObject](http://docs.google.com/javax/management/monitor/Monitor.html#addObservedObject(javax.management.ObjectName)), [containsObservedObject](http://docs.google.com/javax/management/monitor/Monitor.html#containsObservedObject(javax.management.ObjectName)), [getGranularityPeriod](http://docs.google.com/javax/management/monitor/Monitor.html#getGranularityPeriod()), [getObservedAttribute](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedAttribute()), [getObservedObject](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObject()), [getObservedObjects](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObjects()), [isActive](http://docs.google.com/javax/management/monitor/Monitor.html#isActive()), [postDeregister](http://docs.google.com/javax/management/monitor/Monitor.html#postDeregister()), [postRegister](http://docs.google.com/javax/management/monitor/Monitor.html#postRegister(java.lang.Boolean)), [preDeregister](http://docs.google.com/javax/management/monitor/Monitor.html#preDeregister()), [preRegister](http://docs.google.com/javax/management/monitor/Monitor.html#preRegister(javax.management.MBeanServer,%20javax.management.ObjectName)), [removeObservedObject](http://docs.google.com/javax/management/monitor/Monitor.html#removeObservedObject(javax.management.ObjectName)), [setGranularityPeriod](http://docs.google.com/javax/management/monitor/Monitor.html#setGranularityPeriod(long)), [setObservedAttribute](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedAttribute(java.lang.String)), [setObservedObject](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedObject(javax.management.ObjectName)) |

| **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)), [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)) |

| **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)) |

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

### GaugeMonitor

public **GaugeMonitor**()

Default constructor.

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

### start

public void **start**()

Starts the gauge 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)**Specified by:**[start](http://docs.google.com/javax/management/monitor/Monitor.html#start()) in class [Monitor](http://docs.google.com/javax/management/monitor/Monitor.html)

### stop

public void **stop**()

Stops the gauge 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)**Specified by:**[stop](http://docs.google.com/javax/management/monitor/Monitor.html#stop()) in class [Monitor](http://docs.google.com/javax/management/monitor/Monitor.html)

### getDerivedGauge

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

Gets the derived gauge of the specified object, if this object is contained in the set of observed MBeans, or null otherwise.

**Specified by:**[getDerivedGauge](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Parameters:**object - the name of the MBean. **Returns:**The derived gauge of the specified object.

### getDerivedGaugeTimeStamp

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

Gets the derived gauge timestamp of the specified object, if this object is contained in the set of observed MBeans, or 0 otherwise.

**Specified by:**[getDerivedGaugeTimeStamp](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Parameters:**object - the name of the object whose derived gauge timestamp is to be returned. **Returns:**The derived gauge timestamp of the specified object.

### getDerivedGauge

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

Returns the derived gauge of the first object in the set of observed MBeans.

**Specified by:**[getDerivedGauge](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge()) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Returns:**The derived gauge.

### getDerivedGaugeTimeStamp

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

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

Gets the derived gauge timestamp of the first object in the set of observed MBeans.

**Specified by:**[getDerivedGaugeTimeStamp](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp()) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Returns:**The derived gauge timestamp.

### getHighThreshold

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

Gets the high threshold value common to all observed MBeans.

**Specified by:**[getHighThreshold](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getHighThreshold()) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Returns:**The high threshold value.**See Also:**[setThresholds(java.lang.Number, java.lang.Number)](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#setThresholds(java.lang.Number,%20java.lang.Number))

### getLowThreshold

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

Gets the low threshold value common to all observed MBeans.

**Specified by:**[getLowThreshold](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getLowThreshold()) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Returns:**The low threshold value.**See Also:**[setThresholds(java.lang.Number, java.lang.Number)](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#setThresholds(java.lang.Number,%20java.lang.Number))

### setThresholds

public 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 common to all observed MBeans.

**Specified by:**[setThresholds](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setThresholds(java.lang.Number,%20java.lang.Number)) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **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.**See Also:**[getHighThreshold()](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getHighThreshold()), [getLowThreshold()](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getLowThreshold())

### getNotifyHigh

public boolean **getNotifyHigh**()

Gets the high notification's on/off switch value common to all observed MBeans.

**Specified by:**[getNotifyHigh](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getNotifyHigh()) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **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/GaugeMonitor.html#setNotifyHigh(boolean))

### setNotifyHigh

public void **setNotifyHigh**(boolean value)

Sets the high notification's on/off switch value common to all observed MBeans.

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

### getNotifyLow

public boolean **getNotifyLow**()

Gets the low notification's on/off switch value common to all observed MBeans.

**Specified by:**[getNotifyLow](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getNotifyLow()) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **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/GaugeMonitor.html#setNotifyLow(boolean))

### setNotifyLow

public void **setNotifyLow**(boolean value)

Sets the low notification's on/off switch value common to all observed MBeans.

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

### getDifferenceMode

public boolean **getDifferenceMode**()

Gets the difference mode flag value common to all observed MBeans.

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

### setDifferenceMode

public void **setDifferenceMode**(boolean value)

Sets the difference mode flag value common to all observed MBeans.

**Specified by:**[setDifferenceMode](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setDifferenceMode(boolean)) in interface [GaugeMonitorMBean](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) **Parameters:**value - The difference mode flag value.**See Also:**[getDifferenceMode()](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDifferenceMode())

### getNotificationInfo

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

Returns a NotificationInfo object containing the name of the Java class of the notification and the notification types sent by the gauge monitor.

**Specified by:**[getNotificationInfo](http://docs.google.com/javax/management/NotificationBroadcaster.html#getNotificationInfo()) in interface [NotificationBroadcaster](http://docs.google.com/javax/management/NotificationBroadcaster.html)**Overrides:**[getNotificationInfo](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html#getNotificationInfo()) in class [NotificationBroadcasterSupport](http://docs.google.com/javax/management/NotificationBroadcasterSupport.html) **Returns:**the array of possible notifications.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/GaugeMonitor.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/CounterMonitorMBean.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/monitor/GaugeMonitor.html)    [**NO FRAMES**](http://docs.google.com/GaugeMonitor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

[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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