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

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

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

Exposes the remote management interface of the string monitor MBean.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [String](http://docs.google.com/java/lang/String.html) | [**getDerivedGauge**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.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/StringMonitorMBean.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | [**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.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 | [**getNotifyDiffer**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getNotifyDiffer())()            Gets the differing notification's on/off switch value. |
| boolean | [**getNotifyMatch**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getNotifyMatch())()            Gets the matching notification's on/off switch value. |
| [String](http://docs.google.com/java/lang/String.html) | [**getStringToCompare**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getStringToCompare())()            Gets the string to compare with the observed attribute. |
| void | [**setNotifyDiffer**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#setNotifyDiffer(boolean))(boolean value)            Sets the differing notification's on/off switch value. |
| void | [**setNotifyMatch**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#setNotifyMatch(boolean))(boolean value)            Sets the matching notification's on/off switch value. |
| void | [**setStringToCompare**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#setStringToCompare(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Sets the string to compare with the observed attribute. |

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

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

Gets the derived gauge timestamp.

**Returns:**The derived gauge timestamp.

### getDerivedGauge

[String](http://docs.google.com/java/lang/String.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.

### getStringToCompare

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

Gets the string to compare with the observed attribute.

**Returns:**The string value.**See Also:**[setStringToCompare(java.lang.String)](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#setStringToCompare(java.lang.String))

### setStringToCompare

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

Sets the string to compare with the observed attribute.

**Parameters:**value - The string value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - The specified string to compare is null.**See Also:**[getStringToCompare()](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getStringToCompare())

### getNotifyMatch

boolean **getNotifyMatch**()

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

**Returns:**true if the string monitor notifies when matching, false otherwise.**See Also:**[setNotifyMatch(boolean)](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#setNotifyMatch(boolean))

### setNotifyMatch

void **setNotifyMatch**(boolean value)

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

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

### getNotifyDiffer

boolean **getNotifyDiffer**()

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

**Returns:**true if the string monitor notifies when differing, false otherwise.**See Also:**[setNotifyDiffer(boolean)](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#setNotifyDiffer(boolean))

### setNotifyDiffer

void **setNotifyDiffer**(boolean value)

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

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

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