| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MonitorInfo.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/java/lang/management/MemoryUsage.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/management/OperatingSystemMXBean.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/management/MonitorInfo.html)    [**NO FRAMES**](http://docs.google.com/MonitorInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **java.lang.management**

Class MonitorInfo

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.management.LockInfo](http://docs.google.com/java/lang/management/LockInfo.html)  
 **java.lang.management.MonitorInfo**

public class **MonitorInfo**extends [LockInfo](http://docs.google.com/java/lang/management/LockInfo.html)

Information about an object monitor lock. An object monitor is locked when entering a synchronization block or method on that object.

#### MXBean Mapping

MonitorInfo is mapped to a [CompositeData](http://docs.google.com/javax/management/openmbean/CompositeData.html) with attributes as specified in the [from](http://docs.google.com/java/lang/management/MonitorInfo.html#from(javax.management.openmbean.CompositeData)) method.

**Since:** 1.6

| **Constructor Summary** | |
| --- | --- |
| [**MonitorInfo**](http://docs.google.com/java/lang/management/MonitorInfo.html#MonitorInfo(java.lang.String,%20int,%20int,%20java.lang.StackTraceElement))([String](http://docs.google.com/java/lang/String.html) className, int identityHashCode, int stackDepth, [StackTraceElement](http://docs.google.com/java/lang/StackTraceElement.html) stackFrame)            Construct a MonitorInfo object. |

| **Method Summary** | |
| --- | --- |
| static [MonitorInfo](http://docs.google.com/java/lang/management/MonitorInfo.html) | [**from**](http://docs.google.com/java/lang/management/MonitorInfo.html#from(javax.management.openmbean.CompositeData))([CompositeData](http://docs.google.com/javax/management/openmbean/CompositeData.html) cd)            Returns a MonitorInfo object represented by the given CompositeData. |
| int | [**getLockedStackDepth**](http://docs.google.com/java/lang/management/MonitorInfo.html#getLockedStackDepth())()            Returns the depth in the stack trace where the object monitor was locked. |
| [StackTraceElement](http://docs.google.com/java/lang/StackTraceElement.html) | [**getLockedStackFrame**](http://docs.google.com/java/lang/management/MonitorInfo.html#getLockedStackFrame())()            Returns the stack frame that locked the object monitor. |

| **Methods inherited from class java.lang.management.**[**LockInfo**](http://docs.google.com/java/lang/management/LockInfo.html) |
| --- |
| [getClassName](http://docs.google.com/java/lang/management/LockInfo.html#getClassName()), [getIdentityHashCode](http://docs.google.com/java/lang/management/LockInfo.html#getIdentityHashCode()), [toString](http://docs.google.com/java/lang/management/LockInfo.html#toString()) |

| **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()), [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)) |

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

### MonitorInfo

public **MonitorInfo**([String](http://docs.google.com/java/lang/String.html) className,  
 int identityHashCode,  
 int stackDepth,  
 [StackTraceElement](http://docs.google.com/java/lang/StackTraceElement.html) stackFrame)

Construct a MonitorInfo object.

**Parameters:**className - the fully qualified name of the class of the lock object.identityHashCode - the [identity hash code](http://docs.google.com/java/lang/System.html#identityHashCode(java.lang.Object)) of the lock object.stackDepth - the depth in the stack trace where the object monitor was locked.stackFrame - the stack frame that locked the object monitor. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if stackDepth ≥ 0 but stackFrame is null, or stackDepth < 0 but stackFrame is not null.

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

### getLockedStackDepth

public int **getLockedStackDepth**()

Returns the depth in the stack trace where the object monitor was locked. The depth is the index to the StackTraceElement array returned in the [ThreadInfo.getStackTrace()](http://docs.google.com/java/lang/management/ThreadInfo.html#getStackTrace()) method.

**Returns:**the depth in the stack trace where the object monitor was locked, or a negative number if not available.

### getLockedStackFrame

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

Returns the stack frame that locked the object monitor.

**Returns:**StackTraceElement that locked the object monitor, or null if not available.

### from

public static [MonitorInfo](http://docs.google.com/java/lang/management/MonitorInfo.html) **from**([CompositeData](http://docs.google.com/javax/management/openmbean/CompositeData.html) cd)

Returns a MonitorInfo object represented by the given CompositeData. The given CompositeData must contain the following attributes as well as the attributes specified in the  [mapped type](http://docs.google.com/LockInfo.html#MappedType) for the [LockInfo](http://docs.google.com/java/lang/management/LockInfo.html) class:

| Attribute Name | Type |
| --- | --- |
| lockedStackFrame | CompositeData as specified in the [stackTrace](http://docs.google.com/ThreadInfo.html#StackTrace) attribute defined in the [ThreadInfo.from](http://docs.google.com/java/lang/management/ThreadInfo.html#from(javax.management.openmbean.CompositeData)) method. |
| lockedStackDepth | java.lang.Integer |

**Parameters:**cd - CompositeData representing a MonitorInfo **Returns:**a MonitorInfo object represented by cd if cd is not null; null otherwise. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if cd does not represent a MonitorInfo with the attributes described above.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MonitorInfo.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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[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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