| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LockInfo.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/GarbageCollectorMXBean.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/management/ManagementFactory.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/management/LockInfo.html)    [**NO FRAMES**](http://docs.google.com/LockInfo.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

## **java.lang.management**

Class LockInfo

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

**Direct Known Subclasses:** [MonitorInfo](http://docs.google.com/java/lang/management/MonitorInfo.html)

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

Information about a *lock*. A lock can be a built-in object monitor, an *ownable synchronizer*, or the [Condition](http://docs.google.com/java/util/concurrent/locks/Condition.html) object associated with synchronizers.

An ownable synchronizer is a synchronizer that may be exclusively owned by a thread and uses [AbstractOwnableSynchronizer](http://docs.google.com/java/util/concurrent/locks/AbstractOwnableSynchronizer.html) (or its subclass) to implement its synchronization property. [ReentrantLock](http://docs.google.com/java/util/concurrent/locks/ReentrantLock.html) and [ReentrantReadWriteLock](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html) are two examples of ownable synchronizers provided by the platform.

#### MXBean Mapping

LockInfo is mapped to a [CompositeData](http://docs.google.com/javax/management/openmbean/CompositeData.html) as specified in the  [type mapping rules](http://docs.google.com/javax/management/MXBean.html#mapping-rules) of [MXBeans](http://docs.google.com/javax/management/MXBean.html).

**Since:** 1.6 **See Also:**[AbstractOwnableSynchronizer](http://docs.google.com/java/util/concurrent/locks/AbstractOwnableSynchronizer.html), [Condition](http://docs.google.com/java/util/concurrent/locks/Condition.html)

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

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getClassName**](http://docs.google.com/java/lang/management/LockInfo.html#getClassName())()            Returns the fully qualified name of the class of the lock object. |
| int | [**getIdentityHashCode**](http://docs.google.com/java/lang/management/LockInfo.html#getIdentityHashCode())()            Returns the identity hash code of the lock object returned from the [System.identityHashCode(java.lang.Object)](http://docs.google.com/java/lang/System.html#identityHashCode(java.lang.Object)) method. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/lang/management/LockInfo.html#toString())()            Returns a string representation of a lock. |

| **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** |
| --- |

### LockInfo

[@ConstructorProperties](http://docs.google.com/java/beans/ConstructorProperties.html)([value](http://docs.google.com/java/beans/ConstructorProperties.html#value())={"className","identityHashCode"})  
public **LockInfo**([String](http://docs.google.com/java/lang/String.html) className,  
 int identityHashCode)

Constructs a LockInfo 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.

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

### getClassName

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

Returns the fully qualified name of the class of the lock object.

**Returns:**the fully qualified name of the class of the lock object.

### getIdentityHashCode

public int **getIdentityHashCode**()

Returns the identity hash code of the lock object returned from the [System.identityHashCode(java.lang.Object)](http://docs.google.com/java/lang/System.html#identityHashCode(java.lang.Object)) method.

**Returns:**the identity hash code of the lock object.

### toString

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

Returns a string representation of a lock. The returned string representation consists of the name of the class of the lock object, the at-sign character `@', and the unsigned hexadecimal representation of the *identity* hash code of the object. This method returns a string equals to the value of:

lock.getClass().getName() + '@' + Integer.toHexString(System.identityHashCode(lock))

where lock is the lock object.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the string representation of a lock.

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