| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractOwnableSynchronizer.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   [**NEXT CLASS**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/concurrent/locks/AbstractOwnableSynchronizer.html)    [**NO FRAMES**](http://docs.google.com/AbstractOwnableSynchronizer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.util.concurrent.locks**

Class AbstractOwnableSynchronizer

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.util.concurrent.locks.AbstractOwnableSynchronizer**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [AbstractQueuedLongSynchronizer](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html), [AbstractQueuedSynchronizer](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedSynchronizer.html)

public abstract class **AbstractOwnableSynchronizer**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

A synchronizer that may be exclusively owned by a thread. This class provides a basis for creating locks and related synchronizers that may entail a notion of ownership. The AbstractOwnableSynchronizer class itself does not manage or use this information. However, subclasses and tools may use appropriately maintained values to help control and monitor access and provide diagnostics.

**Since:** 1.6 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.util.concurrent.locks.AbstractOwnableSynchronizer)

| **Constructor Summary** | |
| --- | --- |
| protected | [**AbstractOwnableSynchronizer**](http://docs.google.com/java/util/concurrent/locks/AbstractOwnableSynchronizer.html#AbstractOwnableSynchronizer())()            Empty constructor for use by subclasses. |

| **Method Summary** | |
| --- | --- |
| protected  [Thread](http://docs.google.com/java/lang/Thread.html) | [**getExclusiveOwnerThread**](http://docs.google.com/java/util/concurrent/locks/AbstractOwnableSynchronizer.html#getExclusiveOwnerThread())()            Returns the thread last set by setExclusiveOwnerThread, or null if never set. |
| protected  void | [**setExclusiveOwnerThread**](http://docs.google.com/java/util/concurrent/locks/AbstractOwnableSynchronizer.html#setExclusiveOwnerThread(java.lang.Thread))([Thread](http://docs.google.com/java/lang/Thread.html) t)            Sets the thread that currently owns exclusive access. |

| **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)) |

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

### AbstractOwnableSynchronizer

protected **AbstractOwnableSynchronizer**()

Empty constructor for use by subclasses.

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

### setExclusiveOwnerThread

protected final void **setExclusiveOwnerThread**([Thread](http://docs.google.com/java/lang/Thread.html) t)

Sets the thread that currently owns exclusive access. A null argument indicates that no thread owns access. This method does not otherwise impose any synchronization or volatile field accesses.

### getExclusiveOwnerThread

protected final [Thread](http://docs.google.com/java/lang/Thread.html) **getExclusiveOwnerThread**()

Returns the thread last set by setExclusiveOwnerThread, or null if never set. This method does not otherwise impose any synchronization or volatile field accesses.

**Returns:**the owner thread

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractOwnableSynchronizer.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   [**NEXT CLASS**](http://docs.google.com/java/util/concurrent/locks/AbstractQueuedLongSynchronizer.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/concurrent/locks/AbstractOwnableSynchronizer.html)    [**NO FRAMES**](http://docs.google.com/AbstractOwnableSynchronizer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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