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

**Uses of Interface**

**java.util.concurrent.locks.Lock**

| Packages that use [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) | |
| --- | --- |
| [**java.util.concurrent.locks**](#3znysh7) | Interfaces and classes providing a framework for locking and waiting for conditions that is distinct from built-in synchronization and monitors. |

| Uses of [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) in [java.util.concurrent.locks](http://docs.google.com/java/util/concurrent/locks/package-summary.html) | |
| --- | --- |

| Classes in [java.util.concurrent.locks](http://docs.google.com/java/util/concurrent/locks/package-summary.html) that implement [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) | |
| --- | --- |
| class | [**ReentrantLock**](http://docs.google.com/java/util/concurrent/locks/ReentrantLock.html)            A reentrant mutual exclusion [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) with the same basic behavior and semantics as the implicit monitor lock accessed using synchronized methods and statements, but with extended capabilities. |
| static class | [**ReentrantReadWriteLock.ReadLock**](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.ReadLock.html)            The lock returned by method [ReentrantReadWriteLock.readLock()](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html#readLock()). |
| static class | [**ReentrantReadWriteLock.WriteLock**](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.WriteLock.html)            The lock returned by method [ReentrantReadWriteLock.writeLock()](http://docs.google.com/java/util/concurrent/locks/ReentrantReadWriteLock.html#writeLock()). |

| Methods in [java.util.concurrent.locks](http://docs.google.com/java/util/concurrent/locks/package-summary.html) that return [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) | |
| --- | --- |
| [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) | **ReadWriteLock.**[**readLock**](http://docs.google.com/java/util/concurrent/locks/ReadWriteLock.html#readLock())()            Returns the lock used for reading. |
| [Lock](http://docs.google.com/java/util/concurrent/locks/Lock.html) | **ReadWriteLock.**[**writeLock**](http://docs.google.com/java/util/concurrent/locks/ReadWriteLock.html#writeLock())()            Returns the lock used for writing. |

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

[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).