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

## **java.util.concurrent**

Interface ThreadFactory

public interface **ThreadFactory**

An object that creates new threads on demand. Using thread factories removes hardwiring of calls to [new Thread](http://docs.google.com/java/lang/Thread.html#Thread(java.lang.Runnable)), enabling applications to use special thread subclasses, priorities, etc.

The simplest implementation of this interface is just:

class SimpleThreadFactory implements ThreadFactory {  
 public Thread newThread(Runnable r) {  
 return new Thread(r);  
 }  
 }

The [Executors.defaultThreadFactory()](http://docs.google.com/java/util/concurrent/Executors.html#defaultThreadFactory()) method provides a more useful simple implementation, that sets the created thread context to known values before returning it.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| [Thread](http://docs.google.com/java/lang/Thread.html) | [**newThread**](http://docs.google.com/java/util/concurrent/ThreadFactory.html#newThread(java.lang.Runnable))([Runnable](http://docs.google.com/java/lang/Runnable.html) r)            Constructs a new Thread. |

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

### newThread

[Thread](http://docs.google.com/java/lang/Thread.html) **newThread**([Runnable](http://docs.google.com/java/lang/Runnable.html) r)

Constructs a new Thread. Implementations may also initialize priority, name, daemon status, ThreadGroup, etc.

**Parameters:**r - a runnable to be executed by new thread instance **Returns:**constructed thread, or null if the request to create a thread is rejected

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

[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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