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

## **javax.tools**

Interface JavaCompiler.CompilationTask

**All Superinterfaces:** [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)> **Enclosing interface:**[JavaCompiler](http://docs.google.com/javax/tools/JavaCompiler.html)

public static interface **JavaCompiler.CompilationTask**extends [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)>

Interface representing a future for a compilation task. The compilation task has not yet started. To start the task, call the [call](http://docs.google.com/javax/tools/JavaCompiler.CompilationTask.html#call()) method.

Before calling the call method, additional aspects of the task can be configured, for example, by calling the [setProcessors](http://docs.google.com/javax/tools/JavaCompiler.CompilationTask.html#setProcessors(java.lang.Iterable)) method.

| **Method Summary** | |
| --- | --- |
| [Boolean](http://docs.google.com/java/lang/Boolean.html) | [**call**](http://docs.google.com/javax/tools/JavaCompiler.CompilationTask.html#call())()            Performs this compilation task. |
| void | [**setLocale**](http://docs.google.com/javax/tools/JavaCompiler.CompilationTask.html#setLocale(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Set the locale to be applied when formatting diagnostics and other localized data. |
| void | [**setProcessors**](http://docs.google.com/javax/tools/JavaCompiler.CompilationTask.html#setProcessors(java.lang.Iterable))([Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [Processor](http://docs.google.com/javax/annotation/processing/Processor.html)> processors)            Sets processors (for annotation processing). |

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

### setProcessors

void **setProcessors**([Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [Processor](http://docs.google.com/javax/annotation/processing/Processor.html)> processors)

Sets processors (for annotation processing). This will bypass the normal discovery mechanism.

**Parameters:**processors - processors (for annotation processing) **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the task has started

### setLocale

void **setLocale**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Set the locale to be applied when formatting diagnostics and other localized data.

**Parameters:**locale - the locale to apply; null means apply no locale **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the task has started

### call

[Boolean](http://docs.google.com/java/lang/Boolean.html) **call**()

Performs this compilation task. The compilation may only be performed once. Subsequent calls to this method throw IllegalStateException.

**Specified by:**[call](http://docs.google.com/java/util/concurrent/Callable.html#call()) in interface [Callable](http://docs.google.com/java/util/concurrent/Callable.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)> **Returns:**true if and only all the files compiled without errors; false otherwise **Throws:** [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html) - if an unrecoverable error occurred in a user-supplied component. The [cause](http://docs.google.com/java/lang/Throwable.html#getCause()) will be the error in user code. [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if called more than once

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