java.util.concurrent

**Interface Callable<V>**

* **Type Parameters:**

V - the result type of method call

**All Known Subinterfaces:**

[JavaCompiler.CompilationTask](https://docs.oracle.com/javase/7/docs/api/javax/tools/JavaCompiler.CompilationTask.html)

public interface **Callable<V>**

A task that returns a result and may throw an exception. Implementors define a single method with no arguments called call.

The Callable interface is similar to [Runnable](https://docs.oracle.com/javase/7/docs/api/java/lang/Runnable.html), in that both are designed for classes whose instances are potentially executed by another thread. A Runnable, however, does not return a result and cannot throw a checked exception.

The [Executors](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/Executors.html) class contains utility methods to convert from other common forms to Callable classes.

**Since:**

1.5

**See Also:**

[Executor](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/Executor.html)

* + **Method Summary**

|  |  |
| --- | --- |
| **Methods** | |
| **Modifier and Type** | **Method and Description** |
| [**V**](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/Callable.html) | [**call**](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/Callable.html#call())()  Computes a result, or throws an exception if unable to do so. |

* + **Method Detail**
    - **call**
    - [V](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/Callable.html) call()

throws [Exception](https://docs.oracle.com/javase/7/docs/api/java/lang/Exception.html)

Computes a result, or throws an exception if unable to do so.

**Returns:**

computed result

**Throws:**

[Exception](https://docs.oracle.com/javase/7/docs/api/java/lang/Exception.html) - if unable to compute a result