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

## **javax.script**

Class CompiledScript

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.script.CompiledScript**

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

Extended by classes that store results of compilations. State might be stored in the form of Java classes, Java class files or scripting language opcodes. The script may be executed repeatedly without reparsing.

Each CompiledScript is associated with a ScriptEngine -- A call to an eval method of the CompiledScript causes the execution of the script by the ScriptEngine. Changes in the state of the ScriptEngine caused by execution of tne CompiledScript may visible during subsequent executions of scripts by the engine.

**Since:** 1.6

| **Constructor Summary** | |
| --- | --- |
| [**CompiledScript**](http://docs.google.com/javax/script/CompiledScript.html#CompiledScript())() |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**eval**](http://docs.google.com/javax/script/CompiledScript.html#eval())()            Executes the program stored in the CompiledScript object. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**eval**](http://docs.google.com/javax/script/CompiledScript.html#eval(javax.script.Bindings))([Bindings](http://docs.google.com/javax/script/Bindings.html) bindings)            Executes the program stored in the CompiledScript object using the supplied Bindings of attributes as the ENGINE\_SCOPE of the associated ScriptEngine during script execution. |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**eval**](http://docs.google.com/javax/script/CompiledScript.html#eval(javax.script.ScriptContext))([ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) context)            Executes the program stored in this CompiledScript object. |
| abstract  [ScriptEngine](http://docs.google.com/javax/script/ScriptEngine.html) | [**getEngine**](http://docs.google.com/javax/script/CompiledScript.html#getEngine())()            Returns the ScriptEngine wbose compile method created this CompiledScript. |

| **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** |
| --- |

### CompiledScript

public **CompiledScript**()

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

### eval

public abstract [Object](http://docs.google.com/java/lang/Object.html) **eval**([ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) context)  
 throws [ScriptException](http://docs.google.com/javax/script/ScriptException.html)

Executes the program stored in this CompiledScript object.

**Parameters:**context - A ScriptContext that is used in the same way as the ScriptContext passed to the eval methods of ScriptEngine. **Returns:**The value returned by the script execution, if any. Should return null if no value is returned by the script execution. **Throws:** [ScriptException](http://docs.google.com/javax/script/ScriptException.html) - if an error occurs. [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if context is null.

### eval

public [Object](http://docs.google.com/java/lang/Object.html) **eval**([Bindings](http://docs.google.com/javax/script/Bindings.html) bindings)  
 throws [ScriptException](http://docs.google.com/javax/script/ScriptException.html)

Executes the program stored in the CompiledScript object using the supplied Bindings of attributes as the ENGINE\_SCOPE of the associated ScriptEngine during script execution. If bindings is null, then the effect of calling this method is same as that of eval(getEngine().getContext()).

. The GLOBAL\_SCOPE Bindings, Reader and Writer associated with the default ScriptContext of the associated ScriptEngine are used.

**Parameters:**bindings - The bindings of attributes used for the ENGINE\_SCOPE. **Returns:**The return value from the script execution **Throws:** [ScriptException](http://docs.google.com/javax/script/ScriptException.html) - if an error occurs.

### eval

public [Object](http://docs.google.com/java/lang/Object.html) **eval**()  
 throws [ScriptException](http://docs.google.com/javax/script/ScriptException.html)

Executes the program stored in the CompiledScript object. The default ScriptContext of the associated ScriptEngine is used. The effect of calling this method is same as that of eval(getEngine().getContext()).

**Returns:**The return value from the script execution **Throws:** [ScriptException](http://docs.google.com/javax/script/ScriptException.html) - if an error occurs.

### getEngine

public abstract [ScriptEngine](http://docs.google.com/javax/script/ScriptEngine.html) **getEngine**()

Returns the ScriptEngine wbose compile method created this CompiledScript. The CompiledScript will execute in this engine.

**Returns:**The ScriptEngine that created this CompiledScript

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CompiledScript.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](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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