| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleScriptContext.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/SimpleBindings.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/script/SimpleScriptContext.html)    [**NO FRAMES**](http://docs.google.com/SimpleScriptContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |

## **javax.script**

Class SimpleScriptContext

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

**All Implemented Interfaces:** [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html)

public class **SimpleScriptContext**extends [Object](http://docs.google.com/java/lang/Object.html)implements [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html)

Simple implementation of ScriptContext.

**Since:** 1.6

| **Field Summary** | |
| --- | --- |
| protected  [Bindings](http://docs.google.com/javax/script/Bindings.html) | [**engineScope**](http://docs.google.com/javax/script/SimpleScriptContext.html#engineScope)            This is the engine scope bindings. |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | [**errorWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#errorWriter)            This is the writer to be used to output errors from scripts. |
| protected  [Bindings](http://docs.google.com/javax/script/Bindings.html) | [**globalScope**](http://docs.google.com/javax/script/SimpleScriptContext.html#globalScope)            This is the global scope bindings. |
| protected  [Reader](http://docs.google.com/java/io/Reader.html) | [**reader**](http://docs.google.com/javax/script/SimpleScriptContext.html#reader)            This is the reader to be used for input from scripts. |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | [**writer**](http://docs.google.com/javax/script/SimpleScriptContext.html#writer)            This is the writer to be used to output from scripts. |

| **Fields inherited from interface javax.script.**[**ScriptContext**](http://docs.google.com/javax/script/ScriptContext.html) |
| --- |
| [ENGINE\_SCOPE](http://docs.google.com/javax/script/ScriptContext.html#ENGINE_SCOPE), [GLOBAL\_SCOPE](http://docs.google.com/javax/script/ScriptContext.html#GLOBAL_SCOPE) |

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

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getAttribute**](http://docs.google.com/javax/script/SimpleScriptContext.html#getAttribute(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Retrieves the value of the attribute with the given name in the scope occurring earliest in the search order. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getAttribute**](http://docs.google.com/javax/script/SimpleScriptContext.html#getAttribute(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) name, int scope)            Gets the value of an attribute in a given scope. |
| int | [**getAttributesScope**](http://docs.google.com/javax/script/SimpleScriptContext.html#getAttributesScope(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Get the lowest scope in which an attribute is defined. |
| [Bindings](http://docs.google.com/javax/script/Bindings.html) | [**getBindings**](http://docs.google.com/javax/script/SimpleScriptContext.html#getBindings(int))(int scope)            Returns the value of the engineScope field if specified scope is ENGINE\_SCOPE. |
| [Writer](http://docs.google.com/java/io/Writer.html) | [**getErrorWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#getErrorWriter())()            Returns the Writer used to display error output. |
| [Reader](http://docs.google.com/java/io/Reader.html) | [**getReader**](http://docs.google.com/javax/script/SimpleScriptContext.html#getReader())()            Returns a Reader to be used by the script to read input. |
| [List](http://docs.google.com/java/util/List.html)<[Integer](http://docs.google.com/java/lang/Integer.html)> | [**getScopes**](http://docs.google.com/javax/script/SimpleScriptContext.html#getScopes())()            Returns immutable List of all the valid values for scope in the ScriptContext. |
| [Writer](http://docs.google.com/java/io/Writer.html) | [**getWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#getWriter())()            Returns the Writer for scripts to use when displaying output. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**removeAttribute**](http://docs.google.com/javax/script/SimpleScriptContext.html#removeAttribute(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) name, int scope)            Remove an attribute in a given scope. |
| void | [**setAttribute**](http://docs.google.com/javax/script/SimpleScriptContext.html#setAttribute(java.lang.String,%20java.lang.Object,%20int))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) value, int scope)            Sets the value of an attribute in a given scope. |
| void | [**setBindings**](http://docs.google.com/javax/script/SimpleScriptContext.html#setBindings(javax.script.Bindings,%20int))([Bindings](http://docs.google.com/javax/script/Bindings.html) bindings, int scope)            Sets a Bindings of attributes for the given scope. |
| void | [**setErrorWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#setErrorWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Sets the Writer used to display error output. |
| void | [**setReader**](http://docs.google.com/javax/script/SimpleScriptContext.html#setReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the Reader for scripts to read input . |
| void | [**setWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#setWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Sets the Writer for scripts to use when displaying output. |

| **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)) |

| **Field Detail** |
| --- |

### writer

protected [Writer](http://docs.google.com/java/io/Writer.html) **writer**

This is the writer to be used to output from scripts. By default, a PrintWriter based on System.out is used. Accessor methods getWriter, setWriter are used to manage this field.

**See Also:**[System.out](http://docs.google.com/java/lang/System.html#out), [PrintWriter](http://docs.google.com/java/io/PrintWriter.html)

### errorWriter

protected [Writer](http://docs.google.com/java/io/Writer.html) **errorWriter**

This is the writer to be used to output errors from scripts. By default, a PrintWriter based on System.err is used. Accessor methods getErrorWriter, setErrorWriter are used to manage this field.

**See Also:**[System.err](http://docs.google.com/java/lang/System.html#err), [PrintWriter](http://docs.google.com/java/io/PrintWriter.html)

### reader

protected [Reader](http://docs.google.com/java/io/Reader.html) **reader**

This is the reader to be used for input from scripts. By default, a InputStreamReader based on System.in is used and default charset is used by this reader. Accessor methods getReader, setReader are used to manage this field.

**See Also:**[System.in](http://docs.google.com/java/lang/System.html#in), [InputStreamReader](http://docs.google.com/java/io/InputStreamReader.html)

### engineScope

protected [Bindings](http://docs.google.com/javax/script/Bindings.html) **engineScope**

This is the engine scope bindings. By default, a SimpleBindings is used. Accessor methods setBindings, getBindings are used to manage this field.

**See Also:**[SimpleBindings](http://docs.google.com/javax/script/SimpleBindings.html)

### globalScope

protected [Bindings](http://docs.google.com/javax/script/Bindings.html) **globalScope**

This is the global scope bindings. By default, a null value (which means no global scope) is used. Accessor methods setBindings, getBindings are used to manage this field.

| **Constructor Detail** |
| --- |

### SimpleScriptContext

public **SimpleScriptContext**()

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

### setBindings

public void **setBindings**([Bindings](http://docs.google.com/javax/script/Bindings.html) bindings,  
 int scope)

Sets a Bindings of attributes for the given scope. If the value of scope is ENGINE\_SCOPE the given Bindings replaces the engineScope field. If the value of scope is GLOBAL\_SCOPE the given Bindings replaces the globalScope field.

**Specified by:**[setBindings](http://docs.google.com/javax/script/ScriptContext.html#setBindings(javax.script.Bindings,%20int)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**bindings - The Bindings of attributes to set.scope - The value of the scope in which the attributes are set. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if scope is invalid. [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the value of scope is ENGINE\_SCOPE and the specified Bindings is null.

### getAttribute

public [Object](http://docs.google.com/java/lang/Object.html) **getAttribute**([String](http://docs.google.com/java/lang/String.html) name)

Retrieves the value of the attribute with the given name in the scope occurring earliest in the search order. The order is determined by the numeric value of the scope parameter (lowest scope values first.)

**Specified by:**[getAttribute](http://docs.google.com/javax/script/ScriptContext.html#getAttribute(java.lang.String)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**name - The name of the the attribute to retrieve. **Returns:**The value of the attribute in the lowest scope for which an attribute with the given name is defined. Returns null if no attribute with the name exists in any scope. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the name is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the name is empty.

### getAttribute

public [Object](http://docs.google.com/java/lang/Object.html) **getAttribute**([String](http://docs.google.com/java/lang/String.html) name,  
 int scope)

Gets the value of an attribute in a given scope.

**Specified by:**[getAttribute](http://docs.google.com/javax/script/ScriptContext.html#getAttribute(java.lang.String,%20int)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**name - The name of the attribute to retrieve.scope - The scope in which to retrieve the attribute. **Returns:**The value of the attribute. Returns null is the name does not exist in the given scope. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the name is empty or if the value of scope is invalid. [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the name is null.

### removeAttribute

public [Object](http://docs.google.com/java/lang/Object.html) **removeAttribute**([String](http://docs.google.com/java/lang/String.html) name,  
 int scope)

Remove an attribute in a given scope.

**Specified by:**[removeAttribute](http://docs.google.com/javax/script/ScriptContext.html#removeAttribute(java.lang.String,%20int)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**name - The name of the attribute to removescope - The scope in which to remove the attribute **Returns:**The removed value. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the name is empty or if the scope is invalid. [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the name is null.

### setAttribute

public void **setAttribute**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) value,  
 int scope)

Sets the value of an attribute in a given scope.

**Specified by:**[setAttribute](http://docs.google.com/javax/script/ScriptContext.html#setAttribute(java.lang.String,%20java.lang.Object,%20int)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**name - The name of the attribute to setvalue - The value of the attributescope - The scope in which to set the attribute **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the name is empty or if the scope is invalid. [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the name is null.

### getWriter

public [Writer](http://docs.google.com/java/io/Writer.html) **getWriter**()

Returns the Writer for scripts to use when displaying output.

**Specified by:**[getWriter](http://docs.google.com/javax/script/ScriptContext.html#getWriter()) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Returns:**The Writer.

### getReader

public [Reader](http://docs.google.com/java/io/Reader.html) **getReader**()

Returns a Reader to be used by the script to read input.

**Specified by:**[getReader](http://docs.google.com/javax/script/ScriptContext.html#getReader()) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Returns:**The Reader.

### setReader

public void **setReader**([Reader](http://docs.google.com/java/io/Reader.html) reader)

Sets the Reader for scripts to read input .

**Specified by:**[setReader](http://docs.google.com/javax/script/ScriptContext.html#setReader(java.io.Reader)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**reader - The new Reader.

### setWriter

public void **setWriter**([Writer](http://docs.google.com/java/io/Writer.html) writer)

Sets the Writer for scripts to use when displaying output.

**Specified by:**[setWriter](http://docs.google.com/javax/script/ScriptContext.html#setWriter(java.io.Writer)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**writer - The new Writer.

### getErrorWriter

public [Writer](http://docs.google.com/java/io/Writer.html) **getErrorWriter**()

Returns the Writer used to display error output.

**Specified by:**[getErrorWriter](http://docs.google.com/javax/script/ScriptContext.html#getErrorWriter()) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Returns:**The Writer

### setErrorWriter

public void **setErrorWriter**([Writer](http://docs.google.com/java/io/Writer.html) writer)

Sets the Writer used to display error output.

**Specified by:**[setErrorWriter](http://docs.google.com/javax/script/ScriptContext.html#setErrorWriter(java.io.Writer)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**writer - The Writer.

### getAttributesScope

public int **getAttributesScope**([String](http://docs.google.com/java/lang/String.html) name)

Get the lowest scope in which an attribute is defined.

**Specified by:**[getAttributesScope](http://docs.google.com/javax/script/ScriptContext.html#getAttributesScope(java.lang.String)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**name - Name of the attribute . **Returns:**The lowest scope. Returns -1 if no attribute with the given name is defined in any scope. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if name is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name is empty.

### getBindings

public [Bindings](http://docs.google.com/javax/script/Bindings.html) **getBindings**(int scope)

Returns the value of the engineScope field if specified scope is ENGINE\_SCOPE. Returns the value of the globalScope field if the specified scope is GLOBAL\_SCOPE.

**Specified by:**[getBindings](http://docs.google.com/javax/script/ScriptContext.html#getBindings(int)) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Parameters:**scope - The specified scope **Returns:**The value of either the engineScope or globalScope field. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the value of scope is invalid.

### getScopes

public [List](http://docs.google.com/java/util/List.html)<[Integer](http://docs.google.com/java/lang/Integer.html)> **getScopes**()

Returns immutable List of all the valid values for scope in the ScriptContext.

**Specified by:**[getScopes](http://docs.google.com/javax/script/ScriptContext.html#getScopes()) in interface [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) **Returns:**list of scope values

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleScriptContext.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/SimpleBindings.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/script/SimpleScriptContext.html)    [**NO FRAMES**](http://docs.google.com/SimpleScriptContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |

[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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