| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleBindings.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/ScriptException.html)   [**NEXT CLASS**](http://docs.google.com/javax/script/SimpleScriptContext.html) | [**FRAMES**](http://docs.google.com/index.html?javax/script/SimpleBindings.html)    [**NO FRAMES**](http://docs.google.com/SimpleBindings.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **javax.script**

Class SimpleBindings

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

**All Implemented Interfaces:** [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>, [Bindings](http://docs.google.com/javax/script/Bindings.html)

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

A simple implementation of Bindings backed by a HashMap or some other specified Map.

**Since:** 1.6

| **Nested Class Summary** | |
| --- | --- |

| **Nested classes/interfaces inherited from interface java.util.**[**Map**](http://docs.google.com/java/util/Map.html) |
| --- |
| [Map.Entry](http://docs.google.com/java/util/Map.Entry.html)<[K](http://docs.google.com/java/util/Map.Entry.html),[V](http://docs.google.com/java/util/Map.Entry.html)> |

| **Constructor Summary** | |
| --- | --- |
| [**SimpleBindings**](http://docs.google.com/javax/script/SimpleBindings.html#SimpleBindings())()            Default constructor uses a HashMap. |
| [**SimpleBindings**](http://docs.google.com/javax/script/SimpleBindings.html#SimpleBindings(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> m)            Constructor uses an existing Map to store the values. |

| **Method Summary** | |
| --- | --- |
| void | [**clear**](http://docs.google.com/javax/script/SimpleBindings.html#clear())()            Removes all of the mappings from this map (optional operation). |
| boolean | [**containsKey**](http://docs.google.com/javax/script/SimpleBindings.html#containsKey(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Returns true if this map contains a mapping for the specified key. |
| boolean | [**containsValue**](http://docs.google.com/javax/script/SimpleBindings.html#containsValue(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) value)            Returns true if this map maps one or more keys to the specified value. |
| [Set](http://docs.google.com/java/util/Set.html)<[Map.Entry](http://docs.google.com/java/util/Map.Entry.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>> | [**entrySet**](http://docs.google.com/javax/script/SimpleBindings.html#entrySet())()            Returns a [Set](http://docs.google.com/java/util/Set.html) view of the mappings contained in this map. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**get**](http://docs.google.com/javax/script/SimpleBindings.html#get(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Returns the value to which this map maps the specified key. |
| boolean | [**isEmpty**](http://docs.google.com/javax/script/SimpleBindings.html#isEmpty())()            Returns true if this map contains no key-value mappings. |
| [Set](http://docs.google.com/java/util/Set.html)<[String](http://docs.google.com/java/lang/String.html)> | [**keySet**](http://docs.google.com/javax/script/SimpleBindings.html#keySet())()            Returns a [Set](http://docs.google.com/java/util/Set.html) view of the keys contained in this map. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**put**](http://docs.google.com/javax/script/SimpleBindings.html#put(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) value)            Sets the specified key/value in the underlying map field. |
| void | [**putAll**](http://docs.google.com/javax/script/SimpleBindings.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [String](http://docs.google.com/java/lang/String.html),? extends [Object](http://docs.google.com/java/lang/Object.html)> toMerge)            putAll is implemented using Map.putAll. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**remove**](http://docs.google.com/javax/script/SimpleBindings.html#remove(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Removes the mapping for this key from this map if it is present (optional operation). |
| int | [**size**](http://docs.google.com/javax/script/SimpleBindings.html#size())()            Returns the number of key-value mappings in this map. |
| [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> | [**values**](http://docs.google.com/javax/script/SimpleBindings.html#values())()            Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. |

| **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)) |

| **Methods inherited from interface java.util.**[**Map**](http://docs.google.com/java/util/Map.html) |
| --- |
| [equals](http://docs.google.com/java/util/Map.html#equals(java.lang.Object)), [hashCode](http://docs.google.com/java/util/Map.html#hashCode()) |

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

### SimpleBindings

public **SimpleBindings**([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> m)

Constructor uses an existing Map to store the values.

**Parameters:**m - The Map backing this SimpleBindings. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if m is null

### SimpleBindings

public **SimpleBindings**()

Default constructor uses a HashMap.

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

### put

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

Sets the specified key/value in the underlying map field.

**Specified by:**[put](http://docs.google.com/java/util/Map.html#put(K,%20V)) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>**Specified by:**[put](http://docs.google.com/javax/script/Bindings.html#put(java.lang.String,%20java.lang.Object)) in interface [Bindings](http://docs.google.com/javax/script/Bindings.html) **Parameters:**name - Name of valuevalue - Value to set. **Returns:**Previous value for the specified key. Returns null if key was previously unset. **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.

### putAll

public void **putAll**([Map](http://docs.google.com/java/util/Map.html)<? extends [String](http://docs.google.com/java/lang/String.html),? extends [Object](http://docs.google.com/java/lang/Object.html)> toMerge)

putAll is implemented using Map.putAll.

**Specified by:**[putAll](http://docs.google.com/java/util/Map.html#putAll(java.util.Map)) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>**Specified by:**[putAll](http://docs.google.com/javax/script/Bindings.html#putAll(java.util.Map)) in interface [Bindings](http://docs.google.com/javax/script/Bindings.html) **Parameters:**toMerge - The Map of values to add. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if toMerge map is null or if some key in the map is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if some key in the map is an empty String.

### clear

public void **clear**()

Removes all of the mappings from this map (optional operation). The map will be empty after this call returns.

**Specified by:**[clear](http://docs.google.com/java/util/Map.html#clear()) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>

### containsKey

public boolean **containsKey**([Object](http://docs.google.com/java/lang/Object.html) key)

Returns true if this map contains a mapping for the specified key. More formally, returns true if and only if this map contains a mapping for a key k such that (key==null ? k==null : key.equals(k)). (There can be at most one such mapping.)

**Specified by:**[containsKey](http://docs.google.com/java/util/Map.html#containsKey(java.lang.Object)) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>**Specified by:**[containsKey](http://docs.google.com/javax/script/Bindings.html#containsKey(java.lang.Object)) in interface [Bindings](http://docs.google.com/javax/script/Bindings.html) **Parameters:**key - key whose presence in this map is to be tested. **Returns:**true if this map contains a mapping for the specified key. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if key is null [ClassCastException](http://docs.google.com/java/lang/ClassCastException.html) - if key is not String [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if key is empty String

### containsValue

public boolean **containsValue**([Object](http://docs.google.com/java/lang/Object.html) value)

Returns true if this map maps one or more keys to the specified value. More formally, returns true if and only if this map contains at least one mapping to a value v such that (value==null ? v==null : value.equals(v)). This operation will probably require time linear in the map size for most implementations of the Map interface.

**Specified by:**[containsValue](http://docs.google.com/java/util/Map.html#containsValue(java.lang.Object)) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **Parameters:**value - value whose presence in this map is to be tested **Returns:**true if this map maps one or more keys to the specified value

### entrySet

public [Set](http://docs.google.com/java/util/Set.html)<[Map.Entry](http://docs.google.com/java/util/Map.Entry.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>> **entrySet**()

Returns a [Set](http://docs.google.com/java/util/Set.html) view of the mappings contained in this map. The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation, or through the setValue operation on a map entry returned by the iterator) the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the Iterator.remove, Set.remove, removeAll, retainAll and clear operations. It does not support the add or addAll operations.

**Specified by:**[entrySet](http://docs.google.com/java/util/Map.html#entrySet()) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **Returns:**a set view of the mappings contained in this map

### get

public [Object](http://docs.google.com/java/lang/Object.html) **get**([Object](http://docs.google.com/java/lang/Object.html) key)

Returns the value to which this map maps the specified key. Returns null if the map contains no mapping for this key. A return value of null does not *necessarily* indicate that the map contains no mapping for the key; it's also possible that the map explicitly maps the key to null. The containsKey operation may be used to distinguish these two cases.

More formally, if this map contains a mapping from a key k to a value v such that (key==null ? k==null : key.equals(k)), then this method returns v; otherwise it returns null. (There can be at most one such mapping.)

**Specified by:**[get](http://docs.google.com/java/util/Map.html#get(java.lang.Object)) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>**Specified by:**[get](http://docs.google.com/javax/script/Bindings.html#get(java.lang.Object)) in interface [Bindings](http://docs.google.com/javax/script/Bindings.html) **Parameters:**key - key whose associated value is to be returned. **Returns:**the value to which this map maps the specified key, or null if the map contains no mapping for this key. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if key is null [ClassCastException](http://docs.google.com/java/lang/ClassCastException.html) - if key is not String [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if key is empty String

### isEmpty

public boolean **isEmpty**()

Returns true if this map contains no key-value mappings.

**Specified by:**[isEmpty](http://docs.google.com/java/util/Map.html#isEmpty()) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **Returns:**true if this map contains no key-value mappings

### keySet

public [Set](http://docs.google.com/java/util/Set.html)<[String](http://docs.google.com/java/lang/String.html)> **keySet**()

Returns a [Set](http://docs.google.com/java/util/Set.html) view of the keys contained in this map. The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation), the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the Iterator.remove, Set.remove, removeAll, retainAll, and clear operations. It does not support the add or addAll operations.

**Specified by:**[keySet](http://docs.google.com/java/util/Map.html#keySet()) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **Returns:**a set view of the keys contained in this map

### remove

public [Object](http://docs.google.com/java/lang/Object.html) **remove**([Object](http://docs.google.com/java/lang/Object.html) key)

Removes the mapping for this key from this map if it is present (optional operation). More formally, if this map contains a mapping from key k to value v such that (key==null ? k==null : key.equals(k)), that mapping is removed. (The map can contain at most one such mapping.)

Returns the value to which the map previously associated the key, or null if the map contained no mapping for this key. (A null return can also indicate that the map previously associated null with the specified key if the implementation supports null values.) The map will not contain a mapping for the specified key once the call returns.

**Specified by:**[remove](http://docs.google.com/java/util/Map.html#remove(java.lang.Object)) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)>**Specified by:**[remove](http://docs.google.com/javax/script/Bindings.html#remove(java.lang.Object)) in interface [Bindings](http://docs.google.com/javax/script/Bindings.html) **Parameters:**key - key whose mapping is to be removed from the map. **Returns:**previous value associated with specified key, or null if there was no mapping for key. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if key is null [ClassCastException](http://docs.google.com/java/lang/ClassCastException.html) - if key is not String [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if key is empty String

### size

public int **size**()

Returns the number of key-value mappings in this map. If the map contains more than Integer.MAX\_VALUE elements, returns Integer.MAX\_VALUE.

**Specified by:**[size](http://docs.google.com/java/util/Map.html#size()) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **Returns:**the number of key-value mappings in this map

### values

public [Collection](http://docs.google.com/java/util/Collection.html)<[Object](http://docs.google.com/java/lang/Object.html)> **values**()

Returns a [Collection](http://docs.google.com/java/util/Collection.html) view of the values contained in this map. The collection is backed by the map, so changes to the map are reflected in the collection, and vice-versa. If the map is modified while an iteration over the collection is in progress (except through the iterator's own remove operation), the results of the iteration are undefined. The collection supports element removal, which removes the corresponding mapping from the map, via the Iterator.remove, Collection.remove, removeAll, retainAll and clear operations. It does not support the add or addAll operations.

**Specified by:**[values](http://docs.google.com/java/util/Map.html#values()) in interface [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **Returns:**a collection view of the values contained in this map

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleBindings.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](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

[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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