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

## **javax.swing**

Class ActionMap

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [ActionMapUIResource](http://docs.google.com/javax/swing/plaf/ActionMapUIResource.html)

public class **ActionMap**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

ActionMap provides mappings from Objects (called *keys* or *Action names*) to Actions. An ActionMap is usually used with an InputMap to locate a particular action when a key is pressed. As with InputMap, an ActionMap can have a parent that is searched for keys not defined in the ActionMap.

As with InputMap if you create a cycle, eg:

ActionMap am = new ActionMap();  
 ActionMap bm = new ActionMap():  
 am.setParent(bm);  
 bm.setParent(am);

some of the methods will cause a StackOverflowError to be thrown.

**Since:** 1.3 **See Also:**[InputMap](http://docs.google.com/javax/swing/InputMap.html)

| **Constructor Summary** | |
| --- | --- |
| [**ActionMap**](http://docs.google.com/javax/swing/ActionMap.html#ActionMap())()            Creates an ActionMap with no parent and no mappings. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html)[] | [**allKeys**](http://docs.google.com/javax/swing/ActionMap.html#allKeys())()            Returns an array of the keys defined in this ActionMap and its parent. |
| void | [**clear**](http://docs.google.com/javax/swing/ActionMap.html#clear())()            Removes all the mappings from this ActionMap. |
| [Action](http://docs.google.com/javax/swing/Action.html) | [**get**](http://docs.google.com/javax/swing/ActionMap.html#get(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Returns the binding for key, messaging the parent ActionMap if the binding is not locally defined. |
| [ActionMap](http://docs.google.com/javax/swing/ActionMap.html) | [**getParent**](http://docs.google.com/javax/swing/ActionMap.html#getParent())()            Returns this ActionMap's parent. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | [**keys**](http://docs.google.com/javax/swing/ActionMap.html#keys())()            Returns the Action names that are bound in this ActionMap. |
| void | [**put**](http://docs.google.com/javax/swing/ActionMap.html#put(java.lang.Object,%20javax.swing.Action))([Object](http://docs.google.com/java/lang/Object.html) key, [Action](http://docs.google.com/javax/swing/Action.html) action)            Adds a binding for key to action. |
| void | [**remove**](http://docs.google.com/javax/swing/ActionMap.html#remove(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Removes the binding for key from this ActionMap. |
| void | [**setParent**](http://docs.google.com/javax/swing/ActionMap.html#setParent(javax.swing.ActionMap))([ActionMap](http://docs.google.com/javax/swing/ActionMap.html) map)            Sets this ActionMap's parent. |
| int | [**size**](http://docs.google.com/javax/swing/ActionMap.html#size())()            Returns the number of KeyStroke bindings. |

| **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** |
| --- |

### ActionMap

public **ActionMap**()

Creates an ActionMap with no parent and no mappings.

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

### setParent

public void **setParent**([ActionMap](http://docs.google.com/javax/swing/ActionMap.html) map)

Sets this ActionMap's parent.

**Parameters:**map - the ActionMap that is the parent of this one

### getParent

public [ActionMap](http://docs.google.com/javax/swing/ActionMap.html) **getParent**()

Returns this ActionMap's parent.

**Returns:**the ActionMap that is the parent of this one, or null if this ActionMap has no parent

### put

public void **put**([Object](http://docs.google.com/java/lang/Object.html) key,  
 [Action](http://docs.google.com/javax/swing/Action.html) action)

Adds a binding for key to action. If action is null, this removes the current binding for key.

In most instances, key will be action.getValue(NAME).

### get

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

Returns the binding for key, messaging the parent ActionMap if the binding is not locally defined.

### remove

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

Removes the binding for key from this ActionMap.

### clear

public void **clear**()

Removes all the mappings from this ActionMap.

### keys

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

Returns the Action names that are bound in this ActionMap.

### size

public int **size**()

Returns the number of KeyStroke bindings.

### allKeys

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

Returns an array of the keys defined in this ActionMap and its parent. This method differs from keys() in that this method includes the keys defined in the parent.

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