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

## **javax.swing.text**

Interface Keymap

public interface **Keymap**

A collection of bindings of KeyStrokes to actions. The bindings are basically name-value pairs that potentially resolve in a hierarchy.

| **Method Summary** | |
| --- | --- |
| void | [**addActionForKeyStroke**](http://docs.google.com/javax/swing/text/Keymap.html#addActionForKeyStroke(javax.swing.KeyStroke,%20javax.swing.Action))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) key, [Action](http://docs.google.com/javax/swing/Action.html) a)            Adds a binding to the keymap. |
| [Action](http://docs.google.com/javax/swing/Action.html) | [**getAction**](http://docs.google.com/javax/swing/text/Keymap.html#getAction(javax.swing.KeyStroke))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) key)            Fetches the action appropriate for the given symbolic event sequence. |
| [Action](http://docs.google.com/javax/swing/Action.html)[] | [**getBoundActions**](http://docs.google.com/javax/swing/text/Keymap.html#getBoundActions())()            Fetches all of the actions defined in this keymap. |
| [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html)[] | [**getBoundKeyStrokes**](http://docs.google.com/javax/swing/text/Keymap.html#getBoundKeyStrokes())()            Fetches all of the keystrokes in this map that are bound to some action. |
| [Action](http://docs.google.com/javax/swing/Action.html) | [**getDefaultAction**](http://docs.google.com/javax/swing/text/Keymap.html#getDefaultAction())()            Fetches the default action to fire if a key is typed (i.e. |
| [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html)[] | [**getKeyStrokesForAction**](http://docs.google.com/javax/swing/text/Keymap.html#getKeyStrokesForAction(javax.swing.Action))([Action](http://docs.google.com/javax/swing/Action.html) a)            Fetches the keystrokes that will result in the given action. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/swing/text/Keymap.html#getName())()            Fetches the name of the set of key-bindings. |
| [Keymap](http://docs.google.com/javax/swing/text/Keymap.html) | [**getResolveParent**](http://docs.google.com/javax/swing/text/Keymap.html#getResolveParent())()            Fetches the parent keymap used to resolve key-bindings. |
| boolean | [**isLocallyDefined**](http://docs.google.com/javax/swing/text/Keymap.html#isLocallyDefined(javax.swing.KeyStroke))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) key)            Determines if the given key sequence is locally defined. |
| void | [**removeBindings**](http://docs.google.com/javax/swing/text/Keymap.html#removeBindings())()            Removes all bindings from the keymap. |
| void | [**removeKeyStrokeBinding**](http://docs.google.com/javax/swing/text/Keymap.html#removeKeyStrokeBinding(javax.swing.KeyStroke))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) keys)            Removes a binding from the keymap. |
| void | [**setDefaultAction**](http://docs.google.com/javax/swing/text/Keymap.html#setDefaultAction(javax.swing.Action))([Action](http://docs.google.com/javax/swing/Action.html) a)            Set the default action to fire if a key is typed. |
| void | [**setResolveParent**](http://docs.google.com/javax/swing/text/Keymap.html#setResolveParent(javax.swing.text.Keymap))([Keymap](http://docs.google.com/javax/swing/text/Keymap.html) parent)            Sets the parent keymap, which will be used to resolve key-bindings. |

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

### getName

[String](http://docs.google.com/java/lang/String.html) **getName**()

Fetches the name of the set of key-bindings.

**Returns:**the name

### getDefaultAction

[Action](http://docs.google.com/javax/swing/Action.html) **getDefaultAction**()

Fetches the default action to fire if a key is typed (i.e. a KEY\_TYPED KeyEvent is received) and there is no binding for it. Typically this would be some action that inserts text so that the keymap doesn't require an action for each possible key.

**Returns:**the default action

### setDefaultAction

void **setDefaultAction**([Action](http://docs.google.com/javax/swing/Action.html) a)

Set the default action to fire if a key is typed.

**Parameters:**a - the action

### getAction

[Action](http://docs.google.com/javax/swing/Action.html) **getAction**([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) key)

Fetches the action appropriate for the given symbolic event sequence. This is used by JTextController to determine how to interpret key sequences. If the binding is not resolved locally, an attempt is made to resolve through the parent keymap, if one is set.

**Parameters:**key - the key sequence **Returns:**the action associated with the key sequence if one is defined, otherwise null

### getBoundKeyStrokes

[KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html)[] **getBoundKeyStrokes**()

Fetches all of the keystrokes in this map that are bound to some action.

**Returns:**the list of keystrokes

### getBoundActions

[Action](http://docs.google.com/javax/swing/Action.html)[] **getBoundActions**()

Fetches all of the actions defined in this keymap.

**Returns:**the list of actions

### getKeyStrokesForAction

[KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html)[] **getKeyStrokesForAction**([Action](http://docs.google.com/javax/swing/Action.html) a)

Fetches the keystrokes that will result in the given action.

**Parameters:**a - the action **Returns:**the list of keystrokes

### isLocallyDefined

boolean **isLocallyDefined**([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) key)

Determines if the given key sequence is locally defined.

**Parameters:**key - the key sequence **Returns:**true if the key sequence is locally defined else false

### addActionForKeyStroke

void **addActionForKeyStroke**([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) key,  
 [Action](http://docs.google.com/javax/swing/Action.html) a)

Adds a binding to the keymap.

**Parameters:**key - the key sequencea - the action

### removeKeyStrokeBinding

void **removeKeyStrokeBinding**([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) keys)

Removes a binding from the keymap.

**Parameters:**keys - the key sequence

### removeBindings

void **removeBindings**()

Removes all bindings from the keymap.

### getResolveParent

[Keymap](http://docs.google.com/javax/swing/text/Keymap.html) **getResolveParent**()

Fetches the parent keymap used to resolve key-bindings.

**Returns:**the keymap

### setResolveParent

void **setResolveParent**([Keymap](http://docs.google.com/javax/swing/text/Keymap.html) parent)

Sets the parent keymap, which will be used to resolve key-bindings.

**Parameters:**parent - the parent keymap

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