| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MutableTreeNode.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/tree/FixedHeightLayoutCache.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/tree/RowMapper.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/tree/MutableTreeNode.html)    [**NO FRAMES**](http://docs.google.com/MutableTreeNode.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **javax.swing.tree**

Interface MutableTreeNode

**All Superinterfaces:** [TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html) **All Known Implementing Classes:** [DefaultMutableTreeNode](http://docs.google.com/javax/swing/tree/DefaultMutableTreeNode.html), [JTree.DynamicUtilTreeNode](http://docs.google.com/javax/swing/JTree.DynamicUtilTreeNode.html)

public interface **MutableTreeNode**extends [TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html)

Defines the requirements for a tree node object that can change -- by adding or removing child nodes, or by changing the contents of a user object stored in the node.

**See Also:**[DefaultMutableTreeNode](http://docs.google.com/javax/swing/tree/DefaultMutableTreeNode.html), [JTree](http://docs.google.com/javax/swing/JTree.html)

| **Method Summary** | |
| --- | --- |
| void | [**insert**](http://docs.google.com/javax/swing/tree/MutableTreeNode.html#insert(javax.swing.tree.MutableTreeNode,%20int))([MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) child, int index)            Adds child to the receiver at index. |
| void | [**remove**](http://docs.google.com/javax/swing/tree/MutableTreeNode.html#remove(int))(int index)            Removes the child at index from the receiver. |
| void | [**remove**](http://docs.google.com/javax/swing/tree/MutableTreeNode.html#remove(javax.swing.tree.MutableTreeNode))([MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) node)            Removes node from the receiver. |
| void | [**removeFromParent**](http://docs.google.com/javax/swing/tree/MutableTreeNode.html#removeFromParent())()            Removes the receiver from its parent. |
| void | [**setParent**](http://docs.google.com/javax/swing/tree/MutableTreeNode.html#setParent(javax.swing.tree.MutableTreeNode))([MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) newParent)            Sets the parent of the receiver to newParent. |
| void | [**setUserObject**](http://docs.google.com/javax/swing/tree/MutableTreeNode.html#setUserObject(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) object)            Resets the user object of the receiver to object. |

| **Methods inherited from interface javax.swing.tree.**[**TreeNode**](http://docs.google.com/javax/swing/tree/TreeNode.html) |
| --- |
| [children](http://docs.google.com/javax/swing/tree/TreeNode.html#children()), [getAllowsChildren](http://docs.google.com/javax/swing/tree/TreeNode.html#getAllowsChildren()), [getChildAt](http://docs.google.com/javax/swing/tree/TreeNode.html#getChildAt(int)), [getChildCount](http://docs.google.com/javax/swing/tree/TreeNode.html#getChildCount()), [getIndex](http://docs.google.com/javax/swing/tree/TreeNode.html#getIndex(javax.swing.tree.TreeNode)), [getParent](http://docs.google.com/javax/swing/tree/TreeNode.html#getParent()), [isLeaf](http://docs.google.com/javax/swing/tree/TreeNode.html#isLeaf()) |

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

### insert

void **insert**([MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) child,  
 int index)

Adds child to the receiver at index. child will be messaged with setParent.

### remove

void **remove**(int index)

Removes the child at index from the receiver.

### remove

void **remove**([MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) node)

Removes node from the receiver. setParent will be messaged on node.

### setUserObject

void **setUserObject**([Object](http://docs.google.com/java/lang/Object.html) object)

Resets the user object of the receiver to object.

### removeFromParent

void **removeFromParent**()

Removes the receiver from its parent.

### setParent

void **setParent**([MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) newParent)

Sets the parent of the receiver to newParent.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MutableTreeNode.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/tree/FixedHeightLayoutCache.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/tree/RowMapper.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/tree/MutableTreeNode.html)    [**NO FRAMES**](http://docs.google.com/MutableTreeNode.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).