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

## **javax.swing.tree**

Interface TreeNode

**All Known Subinterfaces:** [MutableTreeNode](http://docs.google.com/javax/swing/tree/MutableTreeNode.html) **All Known Implementing Classes:** [AbstractDocument.AbstractElement](http://docs.google.com/javax/swing/text/AbstractDocument.AbstractElement.html), [AbstractDocument.BranchElement](http://docs.google.com/javax/swing/text/AbstractDocument.BranchElement.html), [AbstractDocument.LeafElement](http://docs.google.com/javax/swing/text/AbstractDocument.LeafElement.html), [DefaultMutableTreeNode](http://docs.google.com/javax/swing/tree/DefaultMutableTreeNode.html), [DefaultStyledDocument.SectionElement](http://docs.google.com/javax/swing/text/DefaultStyledDocument.SectionElement.html), [HTMLDocument.BlockElement](http://docs.google.com/javax/swing/text/html/HTMLDocument.BlockElement.html), [HTMLDocument.RunElement](http://docs.google.com/javax/swing/text/html/HTMLDocument.RunElement.html), [JTree.DynamicUtilTreeNode](http://docs.google.com/javax/swing/JTree.DynamicUtilTreeNode.html)

public interface **TreeNode**

Defines the requirements for an object that can be used as a tree node in a JTree.

Implementations of TreeNode that override equals will typically need to override hashCode as well. Refer to [TreeModel](http://docs.google.com/javax/swing/tree/TreeModel.html) for more information. For further information and examples of using tree nodes, see [How to Use Tree Nodes](http://java.sun.com/docs/books/tutorial/uiswing/components/tree.html) in *The Java Tutorial.*

| **Method Summary** | |
| --- | --- |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html) | [**children**](http://docs.google.com/javax/swing/tree/TreeNode.html#children())()            Returns the children of the receiver as an Enumeration. |
| boolean | [**getAllowsChildren**](http://docs.google.com/javax/swing/tree/TreeNode.html#getAllowsChildren())()            Returns true if the receiver allows children. |
| [TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html) | [**getChildAt**](http://docs.google.com/javax/swing/tree/TreeNode.html#getChildAt(int))(int childIndex)            Returns the child TreeNode at index childIndex. |
| int | [**getChildCount**](http://docs.google.com/javax/swing/tree/TreeNode.html#getChildCount())()            Returns the number of children TreeNodes the receiver contains. |
| int | [**getIndex**](http://docs.google.com/javax/swing/tree/TreeNode.html#getIndex(javax.swing.tree.TreeNode))([TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html) node)            Returns the index of node in the receivers children. |
| [TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html) | [**getParent**](http://docs.google.com/javax/swing/tree/TreeNode.html#getParent())()            Returns the parent TreeNode of the receiver. |
| boolean | [**isLeaf**](http://docs.google.com/javax/swing/tree/TreeNode.html#isLeaf())()            Returns true if the receiver is a leaf. |

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

### getChildAt

[TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html) **getChildAt**(int childIndex)

Returns the child TreeNode at index childIndex.

### getChildCount

int **getChildCount**()

Returns the number of children TreeNodes the receiver contains.

### getParent

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

Returns the parent TreeNode of the receiver.

### getIndex

int **getIndex**([TreeNode](http://docs.google.com/javax/swing/tree/TreeNode.html) node)

Returns the index of node in the receivers children. If the receiver does not contain node, -1 will be returned.

### getAllowsChildren

boolean **getAllowsChildren**()

Returns true if the receiver allows children.

### isLeaf

boolean **isLeaf**()

Returns true if the receiver is a leaf.

### children

[Enumeration](http://docs.google.com/java/util/Enumeration.html) **children**()

Returns the children of the receiver as an Enumeration.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TreeNode.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 | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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