| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/tree/TreePath.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/tree//class-useTreePath.html)    [**NO FRAMES**](http://docs.google.com/TreePath.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.swing.tree.TreePath**

| Packages that use [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| [**javax.swing**](#3znysh7) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.event**](#2et92p0) | Provides for events fired by Swing components. |
| [**javax.swing.plaf**](#tyjcwt) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#3dy6vkm) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#1t3h5sf) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |
| [**javax.swing.plaf.multi**](#4d34og8) | Provides user interface objects that combine two or more look and feels. |
| [**javax.swing.tree**](#2s8eyo1) | Provides classes and interfaces for dealing with javax.swing.JTree. |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getAnchorSelectionPath**](http://docs.google.com/javax/swing/JTree.html#getAnchorSelectionPath())()            Returns the path identified as the anchor. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getClosestPathForLocation**](http://docs.google.com/javax/swing/JTree.html#getClosestPathForLocation(int,%20int))(int x, int y)            Returns the path to the node that is closest to x,y. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getEditingPath**](http://docs.google.com/javax/swing/JTree.html#getEditingPath())()            Returns the path to the element that is currently being edited. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getLeadSelectionPath**](http://docs.google.com/javax/swing/JTree.html#getLeadSelectionPath())()            Returns the path identified as the lead. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getNextMatch**](http://docs.google.com/javax/swing/JTree.html#getNextMatch(java.lang.String,%20int,%20javax.swing.text.Position.Bias))([String](http://docs.google.com/java/lang/String.html) prefix, int startingRow, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Returns the TreePath to the next tree element that begins with a prefix. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.DropLocation.**[**getPath**](http://docs.google.com/javax/swing/JTree.DropLocation.html#getPath())()            Returns the path where dropped data should be placed in the tree. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **JTree.**[**getPathBetweenRows**](http://docs.google.com/javax/swing/JTree.html#getPathBetweenRows(int,%20int))(int index0, int index1)            Returns JTreePath instances representing the path between index0 and index1 (including index1). |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getPathForLocation**](http://docs.google.com/javax/swing/JTree.html#getPathForLocation(int,%20int))(int x, int y)            Returns the path for the node at the specified location. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getPathForRow**](http://docs.google.com/javax/swing/JTree.html#getPathForRow(int))(int row)            Returns the path for the specified row. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getSelectionPath**](http://docs.google.com/javax/swing/JTree.html#getSelectionPath())()            Returns the path to the first selected node. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **JTree.**[**getSelectionPaths**](http://docs.google.com/javax/swing/JTree.html#getSelectionPaths())()            Returns the paths of all selected values. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return types with arguments of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| protected  [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **JTree.**[**getDescendantToggledPaths**](http://docs.google.com/javax/swing/JTree.html#getDescendantToggledPaths(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent)            Returns an Enumeration of TreePaths that have been expanded that are descendants of parent. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **JTree.**[**getExpandedDescendants**](http://docs.google.com/javax/swing/JTree.html#getExpandedDescendants(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent)            Returns an Enumeration of the descendants of the path parent that are currently expanded. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| void | **JTree.**[**addSelectionPath**](http://docs.google.com/javax/swing/JTree.html#addSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Adds the node identified by the specified TreePath to the current selection. |
| void | **JTree.**[**addSelectionPaths**](http://docs.google.com/javax/swing/JTree.html#addSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Adds each path in the array of paths to the current selection. |
| void | **JTree.EmptySelectionModel.**[**addSelectionPaths**](http://docs.google.com/javax/swing/JTree.EmptySelectionModel.html#addSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            A null implementation that adds nothing. |
| void | **JTree.**[**collapsePath**](http://docs.google.com/javax/swing/JTree.html#collapsePath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Ensures that the node identified by the specified path is collapsed and viewable. |
| void | **JTree.**[**expandPath**](http://docs.google.com/javax/swing/JTree.html#expandPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Ensures that the node identified by the specified path is expanded and viewable. |
| void | **JTree.**[**fireTreeCollapsed**](http://docs.google.com/javax/swing/JTree.html#fireTreeCollapsed(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Notifies all listeners that have registered interest for notification on this event type. |
| void | **JTree.**[**fireTreeExpanded**](http://docs.google.com/javax/swing/JTree.html#fireTreeExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Notifies all listeners that have registered interest for notification on this event type. |
| void | **JTree.**[**fireTreeWillCollapse**](http://docs.google.com/javax/swing/JTree.html#fireTreeWillCollapse(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Notifies all listeners that have registered interest for notification on this event type. |
| void | **JTree.**[**fireTreeWillExpand**](http://docs.google.com/javax/swing/JTree.html#fireTreeWillExpand(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Notifies all listeners that have registered interest for notification on this event type. |
| protected  [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **JTree.**[**getDescendantToggledPaths**](http://docs.google.com/javax/swing/JTree.html#getDescendantToggledPaths(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent)            Returns an Enumeration of TreePaths that have been expanded that are descendants of parent. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **JTree.**[**getExpandedDescendants**](http://docs.google.com/javax/swing/JTree.html#getExpandedDescendants(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent)            Returns an Enumeration of the descendants of the path parent that are currently expanded. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **JTree.**[**getPathBounds**](http://docs.google.com/javax/swing/JTree.html#getPathBounds(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the Rectangle that the specified node will be drawn into. |
| int | **JTree.**[**getRowForPath**](http://docs.google.com/javax/swing/JTree.html#getRowForPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the row that displays the node identified by the specified path. |
| boolean | **JTree.**[**hasBeenExpanded**](http://docs.google.com/javax/swing/JTree.html#hasBeenExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the node identified by the path has ever been expanded. |
| boolean | **JTree.**[**isCollapsed**](http://docs.google.com/javax/swing/JTree.html#isCollapsed(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the value identified by path is currently collapsed, this will return false if any of the values in path are currently not being displayed. |
| boolean | **JTree.**[**isExpanded**](http://docs.google.com/javax/swing/JTree.html#isExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the node identified by the path is currently expanded, |
| boolean | **JTree.**[**isPathEditable**](http://docs.google.com/javax/swing/JTree.html#isPathEditable(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns isEditable. |
| boolean | **JTree.**[**isPathSelected**](http://docs.google.com/javax/swing/JTree.html#isPathSelected(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the item identified by the path is currently selected. |
| boolean | **JTree.**[**isVisible**](http://docs.google.com/javax/swing/JTree.html#isVisible(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the value identified by path is currently viewable, which means it is either the root or all of its parents are expanded. |
| void | **JTree.**[**makeVisible**](http://docs.google.com/javax/swing/JTree.html#makeVisible(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Ensures that the node identified by path is currently viewable. |
| protected  boolean | **JTree.**[**removeDescendantSelectedPaths**](http://docs.google.com/javax/swing/JTree.html#removeDescendantSelectedPaths(javax.swing.tree.TreePath,%20boolean))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, boolean includePath)            Removes any paths in the selection that are descendants of path. |
| void | **JTree.**[**removeSelectionPath**](http://docs.google.com/javax/swing/JTree.html#removeSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Removes the node identified by the specified path from the current selection. |
| void | **JTree.**[**removeSelectionPaths**](http://docs.google.com/javax/swing/JTree.html#removeSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Removes the nodes identified by the specified paths from the current selection. |
| void | **JTree.EmptySelectionModel.**[**removeSelectionPaths**](http://docs.google.com/javax/swing/JTree.EmptySelectionModel.html#removeSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            A null implementation that removes nothing. |
| void | **JTree.**[**scrollPathToVisible**](http://docs.google.com/javax/swing/JTree.html#scrollPathToVisible(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Makes sure all the path components in path are expanded (except for the last path component) and scrolls so that the node identified by the path is displayed. |
| void | **JTree.**[**setAnchorSelectionPath**](http://docs.google.com/javax/swing/JTree.html#setAnchorSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) newPath)            Sets the path identified as the anchor. |
| protected  void | **JTree.**[**setExpandedState**](http://docs.google.com/javax/swing/JTree.html#setExpandedState(javax.swing.tree.TreePath,%20boolean))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, boolean state)            Sets the expanded state of this JTree. |
| void | **JTree.**[**setLeadSelectionPath**](http://docs.google.com/javax/swing/JTree.html#setLeadSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) newPath)            Sets the path identifies as the lead. |
| void | **JTree.**[**setSelectionPath**](http://docs.google.com/javax/swing/JTree.html#setSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Selects the node identified by the specified path. |
| void | **JTree.**[**setSelectionPaths**](http://docs.google.com/javax/swing/JTree.html#setSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Selects the nodes identified by the specified array of paths. |
| void | **JTree.EmptySelectionModel.**[**setSelectionPaths**](http://docs.google.com/javax/swing/JTree.EmptySelectionModel.html#setSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] pPaths)            A null implementation that selects nothing. |
| void | **JTree.**[**startEditingAtPath**](http://docs.google.com/javax/swing/JTree.html#startEditingAtPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Selects the node identified by the specified path and initiates editing. |

| Method parameters in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with type arguments of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| protected  void | **JTree.**[**removeDescendantToggledPaths**](http://docs.google.com/javax/swing/JTree.html#removeDescendantToggledPaths(java.util.Enumeration))([Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> toRemove)            Removes any descendants of the TreePaths in toRemove that have been expanded. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [**JTree.AccessibleJTree.AccessibleJTreeNode**](http://docs.google.com/javax/swing/JTree.AccessibleJTree.AccessibleJTreeNode.html#JTree.AccessibleJTree.AccessibleJTreeNode(javax.swing.JTree,%20javax.swing.tree.TreePath,%20javax.accessibility.Accessible))([JTree](http://docs.google.com/javax/swing/JTree.html) t, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) p, [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) ap)            Constructs an AccessibleJTreeNode |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
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| Fields in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) declared as [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionEvent.**[**newLeadSelectionPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#newLeadSelectionPath)            leadSelectionPath after the paths changed, may be null. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionEvent.**[**oldLeadSelectionPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#oldLeadSelectionPath)            leadSelectionPath before the paths changed, may be null. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeExpansionEvent.**[**path**](http://docs.google.com/javax/swing/event/TreeExpansionEvent.html#path)            Path to the value this event represents. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeModelEvent.**[**path**](http://docs.google.com/javax/swing/event/TreeModelEvent.html#path)            Path to the parent of the nodes that have changed. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **TreeSelectionEvent.**[**paths**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#paths)            Paths this event represents. |

| Methods in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) that return [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionEvent.**[**getNewLeadSelectionPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#getNewLeadSelectionPath())()            Returns the current lead path. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionEvent.**[**getOldLeadSelectionPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#getOldLeadSelectionPath())()            Returns the path that was previously the lead path. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeExpansionEvent.**[**getPath**](http://docs.google.com/javax/swing/event/TreeExpansionEvent.html#getPath())()            Returns the path to the value that has been expanded/collapsed. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionEvent.**[**getPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#getPath())()            Returns the first path element. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **TreeSelectionEvent.**[**getPaths**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#getPaths())()            Returns the paths that have been added or removed from the selection. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeModelEvent.**[**getTreePath**](http://docs.google.com/javax/swing/event/TreeModelEvent.html#getTreePath())()            For all events, except treeStructureChanged, returns the parent of the changed nodes. |

| Methods in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| boolean | **TreeSelectionEvent.**[**isAddedPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#isAddedPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the path identified by path was added to the selection. |

| Constructors in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [**TreeExpansionEvent**](http://docs.google.com/javax/swing/event/TreeExpansionEvent.html#TreeExpansionEvent(java.lang.Object,%20javax.swing.tree.TreePath))([Object](http://docs.google.com/java/lang/Object.html) source, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Constructs a TreeExpansionEvent object. |
| [**TreeModelEvent**](http://docs.google.com/javax/swing/event/TreeModelEvent.html#TreeModelEvent(java.lang.Object,%20javax.swing.tree.TreePath))([Object](http://docs.google.com/java/lang/Object.html) source, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Used to create an event when the node structure has changed in some way, identifying the path to the root of the modified subtree as a TreePath object. |
| [**TreeModelEvent**](http://docs.google.com/javax/swing/event/TreeModelEvent.html#TreeModelEvent(java.lang.Object,%20javax.swing.tree.TreePath,%20int%5B%5D,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) source, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int[] childIndices, [Object](http://docs.google.com/java/lang/Object.html)[] children)            Used to create an event when nodes have been changed, inserted, or removed, identifying the path to the parent of the modified items as a TreePath object. |
| [**TreeSelectionEvent**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#TreeSelectionEvent(java.lang.Object,%20javax.swing.tree.TreePath%5B%5D,%20boolean%5B%5D,%20javax.swing.tree.TreePath,%20javax.swing.tree.TreePath))([Object](http://docs.google.com/java/lang/Object.html) source, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths, boolean[] areNew, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) oldLeadSelectionPath, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) newLeadSelectionPath)            Represents a change in the selection of a TreeSelectionModel. |
| [**TreeSelectionEvent**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#TreeSelectionEvent(java.lang.Object,%20javax.swing.tree.TreePath%5B%5D,%20boolean%5B%5D,%20javax.swing.tree.TreePath,%20javax.swing.tree.TreePath))([Object](http://docs.google.com/java/lang/Object.html) source, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths, boolean[] areNew, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) oldLeadSelectionPath, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) newLeadSelectionPath)            Represents a change in the selection of a TreeSelectionModel. |
| [**TreeSelectionEvent**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#TreeSelectionEvent(java.lang.Object,%20javax.swing.tree.TreePath,%20boolean,%20javax.swing.tree.TreePath,%20javax.swing.tree.TreePath))([Object](http://docs.google.com/java/lang/Object.html) source, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, boolean isNew, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) oldLeadSelectionPath, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) newLeadSelectionPath)            Represents a change in the selection of a TreeSelectionModel. |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) | |
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| Methods in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) that return [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| abstract  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeUI.**[**getClosestPathForLocation**](http://docs.google.com/javax/swing/plaf/TreeUI.html#getClosestPathForLocation(javax.swing.JTree,%20int,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, int x, int y)            Returns the path to the node that is closest to x,y. |
| abstract  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeUI.**[**getEditingPath**](http://docs.google.com/javax/swing/plaf/TreeUI.html#getEditingPath(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) tree)            Returns the path to the element that is being edited. |
| abstract  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeUI.**[**getPathForRow**](http://docs.google.com/javax/swing/plaf/TreeUI.html#getPathForRow(javax.swing.JTree,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, int row)            Returns the path for passed in row. |

| Methods in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **TreeUI.**[**getPathBounds**](http://docs.google.com/javax/swing/plaf/TreeUI.html#getPathBounds(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the Rectangle enclosing the label portion that the last item in path will be drawn into. |
| abstract  int | **TreeUI.**[**getRowForPath**](http://docs.google.com/javax/swing/plaf/TreeUI.html#getRowForPath(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the row that the last item identified in path is visible at. |
| abstract  void | **TreeUI.**[**startEditingAtPath**](http://docs.google.com/javax/swing/plaf/TreeUI.html#startEditingAtPath(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Selects the last item in path and tries to edit it. |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) declared as [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **BasicTreeUI.**[**editingPath**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#editingPath)            Path that is being edited. |

| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with type parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| protected  [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html),[Boolean](http://docs.google.com/java/lang/Boolean.html)> | **BasicTreeUI.**[**drawingCache**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#drawingCache)            Used for minimizing the drawing of vertical lines. |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **BasicTreeUI.**[**getClosestPathForLocation**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getClosestPathForLocation(javax.swing.JTree,%20int,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, int x, int y)            Returns the path to the node that is closest to x,y. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **BasicTreeUI.**[**getEditingPath**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getEditingPath(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) tree)            Returns the path to the element that is being edited. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **BasicTreeUI.**[**getLastChildPath**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getLastChildPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent)            Returns a path to the last child of parent. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **BasicTreeUI.**[**getPathForRow**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getPathForRow(javax.swing.JTree,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, int row)            Returns the path for passed in row. |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| protected  void | **BasicTreeUI.**[**checkForClickInExpandControl**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#checkForClickInExpandControl(javax.swing.tree.TreePath,%20int,%20int))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int mouseX, int mouseY)            If the mouseX and mouseY are in the expand/collapse region of the row, this will toggle the row. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **BasicTreeUI.**[**getLastChildPath**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getLastChildPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent)            Returns a path to the last child of parent. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **BasicTreeUI.**[**getPathBounds**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getPathBounds(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the Rectangle enclosing the label portion that the last item in path will be drawn into. |
| int | **BasicTreeUI.**[**getRowForPath**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#getRowForPath(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the row that the last item identified in path is visible at. |
| protected  void | **BasicTreeUI.**[**handleExpandControlClick**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#handleExpandControlClick(javax.swing.tree.TreePath,%20int,%20int))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int mouseX, int mouseY)            Messaged when the user clicks the particular row, this invokes toggleExpandState. |
| protected  boolean | **BasicTreeUI.**[**isLocationInExpandControl**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#isLocationInExpandControl(javax.swing.tree.TreePath,%20int,%20int))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int mouseX, int mouseY)            Returns true if mouseX and mouseY fall in the area of row that is used to expand/collapse the node and the node at row does not represent a leaf. |
| protected  void | **BasicTreeUI.**[**paintExpandControl**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#paintExpandControl(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Insets,%20java.awt.Rectangle,%20javax.swing.tree.TreePath,%20int,%20boolean,%20boolean,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) clipBounds, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) bounds, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int row, boolean isExpanded, boolean hasBeenExpanded, boolean isLeaf)            Paints the expand (toggle) part of a row. |
| protected  void | **BasicTreeUI.**[**paintHorizontalPartOfLeg**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#paintHorizontalPartOfLeg(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Insets,%20java.awt.Rectangle,%20javax.swing.tree.TreePath,%20int,%20boolean,%20boolean,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) clipBounds, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) bounds, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int row, boolean isExpanded, boolean hasBeenExpanded, boolean isLeaf)            Paints the horizontal part of the leg. |
| protected  void | **BasicTreeUI.**[**paintRow**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#paintRow(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Insets,%20java.awt.Rectangle,%20javax.swing.tree.TreePath,%20int,%20boolean,%20boolean,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) clipBounds, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) bounds, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int row, boolean isExpanded, boolean hasBeenExpanded, boolean isLeaf)            Paints the renderer part of a row. |
| protected  void | **BasicTreeUI.**[**paintVerticalPartOfLeg**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#paintVerticalPartOfLeg(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Insets,%20javax.swing.tree.TreePath))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) clipBounds, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Paints the vertical part of the leg. |
| protected  void | **BasicTreeUI.**[**pathWasCollapsed**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#pathWasCollapsed(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Messaged from the VisibleTreeNode after it has collapsed. |
| protected  void | **BasicTreeUI.**[**pathWasExpanded**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#pathWasExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Messaged from the VisibleTreeNode after it has been expanded. |
| protected  void | **BasicTreeUI.**[**selectPathForEvent**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#selectPathForEvent(javax.swing.tree.TreePath,%20java.awt.event.MouseEvent))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) event)            Messaged to update the selection based on a MouseEvent over a particular row. |
| protected  boolean | **BasicTreeUI.**[**shouldPaintExpandControl**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#shouldPaintExpandControl(javax.swing.tree.TreePath,%20int,%20boolean,%20boolean,%20boolean))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int row, boolean isExpanded, boolean hasBeenExpanded, boolean isLeaf)            Returns true if the expand (toggle) control should be drawn for the specified row. |
| protected  boolean | **BasicTreeUI.**[**startEditing**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#startEditing(javax.swing.tree.TreePath,%20java.awt.event.MouseEvent))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) event)            Will start editing for node if there is a cellEditor and shouldSelectCell returns true. |
| void | **BasicTreeUI.**[**startEditingAtPath**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#startEditingAtPath(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Selects the last item in path and tries to edit it. |
| protected  void | **BasicTreeUI.**[**toggleExpandState**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#toggleExpandState(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Expands path if it is not expanded, or collapses row if it is expanded. |
| protected  void | **BasicTreeUI.**[**updateExpandedDescendants**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#updateExpandedDescendants(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Updates the expanded state of all the descendants of path by getting the expanded descendants from the tree and forwarding to the tree state. |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
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| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| protected  void | **MetalTreeUI.**[**paintHorizontalPartOfLeg**](http://docs.google.com/javax/swing/plaf/metal/MetalTreeUI.html#paintHorizontalPartOfLeg(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Insets,%20java.awt.Rectangle,%20javax.swing.tree.TreePath,%20int,%20boolean,%20boolean,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) clipBounds, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) bounds, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, int row, boolean isExpanded, boolean hasBeenExpanded, boolean isLeaf) |
| protected  void | **MetalTreeUI.**[**paintVerticalPartOfLeg**](http://docs.google.com/javax/swing/plaf/metal/MetalTreeUI.html#paintVerticalPartOfLeg(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Insets,%20javax.swing.tree.TreePath))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) clipBounds, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path) |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) | |
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| Methods in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) that return [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **MultiTreeUI.**[**getClosestPathForLocation**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#getClosestPathForLocation(javax.swing.JTree,%20int,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) a, int b, int c)            Invokes the getClosestPathForLocation method on each UI handled by this object. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **MultiTreeUI.**[**getEditingPath**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#getEditingPath(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) a)            Invokes the getEditingPath method on each UI handled by this object. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **MultiTreeUI.**[**getPathForRow**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#getPathForRow(javax.swing.JTree,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) a, int b)            Invokes the getPathForRow method on each UI handled by this object. |

| Methods in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **MultiTreeUI.**[**getPathBounds**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#getPathBounds(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) a, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) b)            Invokes the getPathBounds method on each UI handled by this object. |
| int | **MultiTreeUI.**[**getRowForPath**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#getRowForPath(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) a, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) b)            Invokes the getRowForPath method on each UI handled by this object. |
| void | **MultiTreeUI.**[**startEditingAtPath**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#startEditingAtPath(javax.swing.JTree,%20javax.swing.tree.TreePath))([JTree](http://docs.google.com/javax/swing/JTree.html) a, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) b)            Invokes the startEditingAtPath method on each UI handled by this object. |

| Uses of [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
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| Fields in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) declared as [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **DefaultTreeCellEditor.**[**lastPath**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.html#lastPath)            Last path that was selected. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **DefaultTreeSelectionModel.**[**leadPath**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#leadPath)            Last path that was added. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **DefaultTreeSelectionModel.**[**selection**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#selection)            Paths that are currently selected. |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) that return [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
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| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **DefaultTreeSelectionModel.**[**getLeadSelectionPath**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#getLeadSelectionPath())()            Returns the last path that was added. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionModel.**[**getLeadSelectionPath**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#getLeadSelectionPath())()            Returns the last path that was added. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreePath.**[**getParentPath**](http://docs.google.com/javax/swing/tree/TreePath.html#getParentPath())()            Returns a path containing all the elements of this object, except the last path component. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **VariableHeightLayoutCache.**[**getPathClosestTo**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getPathClosestTo(int,%20int))(int x, int y)            Returns the path to the node that is closest to x,y. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **FixedHeightLayoutCache.**[**getPathClosestTo**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getPathClosestTo(int,%20int))(int x, int y)            Returns the path to the node that is closest to x,y. |
| abstract  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **AbstractLayoutCache.**[**getPathClosestTo**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getPathClosestTo(int,%20int))(int x, int y)            Returns the path to the node that is closest to x,y. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **VariableHeightLayoutCache.**[**getPathForRow**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getPathForRow(int))(int row)            Returns the path for row. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **FixedHeightLayoutCache.**[**getPathForRow**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getPathForRow(int))(int row)            Returns the path for passed in row. |
| abstract  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **AbstractLayoutCache.**[**getPathForRow**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getPathForRow(int))(int row)            Returns the path for passed in row. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **DefaultTreeSelectionModel.**[**getSelectionPath**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#getSelectionPath())()            Returns the first path in the selection. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreeSelectionModel.**[**getSelectionPath**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#getSelectionPath())()            Returns the first path in the selection. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **DefaultTreeSelectionModel.**[**getSelectionPaths**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#getSelectionPaths())()            Returns the paths in the selection. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] | **TreeSelectionModel.**[**getSelectionPaths**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#getSelectionPaths())()            Returns the paths in the selection. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **TreePath.**[**pathByAddingChild**](http://docs.google.com/javax/swing/tree/TreePath.html#pathByAddingChild(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) child)            Returns a new path containing all the elements of this object plus child. |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) that return types with arguments of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **VariableHeightLayoutCache.**[**getVisiblePathsFrom**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getVisiblePathsFrom(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns an Enumerator that increments over the visible paths starting at the passed in location. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **FixedHeightLayoutCache.**[**getVisiblePathsFrom**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getVisiblePathsFrom(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns an Enumerator that increments over the visible paths starting at the passed in location. |
| abstract  [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **AbstractLayoutCache.**[**getVisiblePathsFrom**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getVisiblePathsFrom(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns an Enumerator that increments over the visible paths starting at the passed in location. |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| void | **DefaultTreeSelectionModel.**[**addSelectionPath**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#addSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Adds path to the current selection. |
| void | **TreeSelectionModel.**[**addSelectionPath**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#addSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Adds path to the current selection. |
| void | **DefaultTreeSelectionModel.**[**addSelectionPaths**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#addSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Adds paths to the current selection. |
| void | **TreeSelectionModel.**[**addSelectionPaths**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#addSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Adds paths to the current selection. |
| protected  boolean | **DefaultTreeSelectionModel.**[**arePathsContiguous**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#arePathsContiguous(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Returns true if the paths are contiguous, or this object has no RowMapper. |
| protected  boolean | **DefaultTreeSelectionModel.**[**canPathsBeAdded**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#canPathsBeAdded(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Used to test if a particular set of TreePaths can be added. |
| protected  boolean | **DefaultTreeSelectionModel.**[**canPathsBeRemoved**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#canPathsBeRemoved(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Returns true if the paths can be removed without breaking the continuity of the model. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **VariableHeightLayoutCache.**[**getBounds**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getBounds(javax.swing.tree.TreePath,%20java.awt.Rectangle))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) placeIn)            Returns the Rectangle enclosing the label portion into which the item identified by path will be drawn. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **FixedHeightLayoutCache.**[**getBounds**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getBounds(javax.swing.tree.TreePath,%20java.awt.Rectangle))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) placeIn)            Returns a rectangle giving the bounds needed to draw path. |
| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **AbstractLayoutCache.**[**getBounds**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getBounds(javax.swing.tree.TreePath,%20java.awt.Rectangle))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) placeIn)            Returns a rectangle giving the bounds needed to draw path. |
| boolean | **VariableHeightLayoutCache.**[**getExpandedState**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getExpandedState(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the path is expanded, and visible. |
| boolean | **FixedHeightLayoutCache.**[**getExpandedState**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getExpandedState(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the path is expanded, and visible. |
| abstract  boolean | **AbstractLayoutCache.**[**getExpandedState**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getExpandedState(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the path is expanded, and visible. |
| int | **VariableHeightLayoutCache.**[**getRowForPath**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getRowForPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the row where the last item identified in path is visible. |
| int | **FixedHeightLayoutCache.**[**getRowForPath**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getRowForPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the row that the last item identified in path is visible at. |
| abstract  int | **AbstractLayoutCache.**[**getRowForPath**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getRowForPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the row that the last item identified in path is visible at. |
| int[] | **AbstractLayoutCache.**[**getRowsForPaths**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getRowsForPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Returns the rows that the TreePath instances in path are being displayed at. |
| int[] | **RowMapper.**[**getRowsForPaths**](http://docs.google.com/javax/swing/tree/RowMapper.html#getRowsForPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] path)            Returns the rows that the TreePath instances in path are being displayed at. |
| int | **VariableHeightLayoutCache.**[**getVisibleChildCount**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getVisibleChildCount(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the number of visible children for path. |
| int | **FixedHeightLayoutCache.**[**getVisibleChildCount**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getVisibleChildCount(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the number of visible children for row. |
| abstract  int | **AbstractLayoutCache.**[**getVisibleChildCount**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getVisibleChildCount(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns the number of visible children for row. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **VariableHeightLayoutCache.**[**getVisiblePathsFrom**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#getVisiblePathsFrom(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns an Enumerator that increments over the visible paths starting at the passed in location. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **FixedHeightLayoutCache.**[**getVisiblePathsFrom**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#getVisiblePathsFrom(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns an Enumerator that increments over the visible paths starting at the passed in location. |
| abstract  [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)> | **AbstractLayoutCache.**[**getVisiblePathsFrom**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#getVisiblePathsFrom(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns an Enumerator that increments over the visible paths starting at the passed in location. |
| void | **VariableHeightLayoutCache.**[**invalidatePathBounds**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#invalidatePathBounds(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Instructs the LayoutCache that the bounds for path are invalid, and need to be updated. |
| void | **FixedHeightLayoutCache.**[**invalidatePathBounds**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#invalidatePathBounds(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Does nothing, FixedHeightLayoutCache doesn't cache width, and that is all that could change. |
| abstract  void | **AbstractLayoutCache.**[**invalidatePathBounds**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#invalidatePathBounds(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Instructs the LayoutCache that the bounds for path are invalid, and need to be updated. |
| boolean | **TreePath.**[**isDescendant**](http://docs.google.com/javax/swing/tree/TreePath.html#isDescendant(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) aTreePath)            Returns true if aTreePath is a descendant of this TreePath. |
| boolean | **VariableHeightLayoutCache.**[**isExpanded**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#isExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the value identified by path is currently expanded. |
| boolean | **FixedHeightLayoutCache.**[**isExpanded**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#isExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the value identified by row is currently expanded. |
| abstract  boolean | **AbstractLayoutCache.**[**isExpanded**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#isExpanded(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the value identified by row is currently expanded. |
| boolean | **DefaultTreeSelectionModel.**[**isPathSelected**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#isPathSelected(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the path, path, is in the current selection. |
| boolean | **TreeSelectionModel.**[**isPathSelected**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#isPathSelected(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Returns true if the path, path, is in the current selection. |
| protected  void | **DefaultTreeSelectionModel.**[**notifyPathChange**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#notifyPathChange(java.util.Vector,%20javax.swing.tree.TreePath))([Vector](http://docs.google.com/java/util/Vector.html)<javax.swing.tree.PathPlaceHolder> changedPaths, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) oldLeadSelection)            Notifies listeners of a change in path. |
| void | **DefaultTreeSelectionModel.**[**removeSelectionPath**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#removeSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Removes path from the selection. |
| void | **TreeSelectionModel.**[**removeSelectionPath**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#removeSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Removes path from the selection. |
| void | **DefaultTreeSelectionModel.**[**removeSelectionPaths**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#removeSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Removes paths from the selection. |
| void | **TreeSelectionModel.**[**removeSelectionPaths**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#removeSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Removes paths from the selection. |
| void | **VariableHeightLayoutCache.**[**setExpandedState**](http://docs.google.com/javax/swing/tree/VariableHeightLayoutCache.html#setExpandedState(javax.swing.tree.TreePath,%20boolean))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, boolean isExpanded)            Marks the path path expanded state to isExpanded. |
| void | **FixedHeightLayoutCache.**[**setExpandedState**](http://docs.google.com/javax/swing/tree/FixedHeightLayoutCache.html#setExpandedState(javax.swing.tree.TreePath,%20boolean))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, boolean isExpanded)            Marks the path path expanded state to isExpanded. |
| abstract  void | **AbstractLayoutCache.**[**setExpandedState**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html#setExpandedState(javax.swing.tree.TreePath,%20boolean))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, boolean isExpanded)            Marks the path path expanded state to isExpanded. |
| void | **DefaultTreeSelectionModel.**[**setSelectionPath**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#setSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Sets the selection to path. |
| void | **TreeSelectionModel.**[**setSelectionPath**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#setSelectionPath(javax.swing.tree.TreePath))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)            Sets the selection to path. |
| void | **DefaultTreeSelectionModel.**[**setSelectionPaths**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#setSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] pPaths)            Sets the selection to the paths in paths. |
| void | **TreeSelectionModel.**[**setSelectionPaths**](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html#setSelectionPaths(javax.swing.tree.TreePath%5B%5D))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] paths)            Sets the selection to path. |
| void | **DefaultTreeModel.**[**valueForPathChanged**](http://docs.google.com/javax/swing/tree/DefaultTreeModel.html#valueForPathChanged(javax.swing.tree.TreePath,%20java.lang.Object))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [Object](http://docs.google.com/java/lang/Object.html) newValue)            This sets the user object of the TreeNode identified by path and posts a node changed. |
| void | **TreeModel.**[**valueForPathChanged**](http://docs.google.com/javax/swing/tree/TreeModel.html#valueForPathChanged(javax.swing.tree.TreePath,%20java.lang.Object))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path, [Object](http://docs.google.com/java/lang/Object.html) newValue)            Messaged when the user has altered the value for the item identified by path to newValue. |

| Constructors in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) with parameters of type [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | |
| --- | --- |
| [**TreePath**](http://docs.google.com/javax/swing/tree/TreePath.html#TreePath(javax.swing.tree.TreePath,%20java.lang.Object))([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) parent, [Object](http://docs.google.com/java/lang/Object.html) lastElement)            Constructs a new TreePath, which is the path identified by parent ending in lastElement. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/tree/TreePath.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/tree//class-useTreePath.html)    [**NO FRAMES**](http://docs.google.com/TreePath.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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