| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TreeUI.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/plaf/ToolTipUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/UIResource.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/TreeUI.html)    [**NO FRAMES**](http://docs.google.com/TreeUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **javax.swing.plaf**

Class TreeUI

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

**Direct Known Subclasses:** [BasicTreeUI](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html), [MultiTreeUI](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html)

public abstract class **TreeUI**extends [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)

Pluggable look and feel interface for JTree.

| **Constructor Summary** | |
| --- | --- |
| [**TreeUI**](http://docs.google.com/javax/swing/plaf/TreeUI.html#TreeUI())() |

| **Method Summary** | |
| --- | --- |
| abstract  void | [**cancelEditing**](http://docs.google.com/javax/swing/plaf/TreeUI.html#cancelEditing(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) tree)            Cancels the current editing session. |
| abstract  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | [**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) | [**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  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | [**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  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | [**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. |
| abstract  int | [**getRowCount**](http://docs.google.com/javax/swing/plaf/TreeUI.html#getRowCount(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) tree)            Returns the number of rows that are being displayed. |
| abstract  int | [**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  boolean | [**isEditing**](http://docs.google.com/javax/swing/plaf/TreeUI.html#isEditing(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) tree)            Returns true if the tree is being edited. |
| abstract  void | [**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. |
| abstract  boolean | [**stopEditing**](http://docs.google.com/javax/swing/plaf/TreeUI.html#stopEditing(javax.swing.JTree))([JTree](http://docs.google.com/javax/swing/JTree.html) tree)            Stops the current editing session. |

| **Methods inherited from class javax.swing.plaf.**[**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html) |
| --- |
| [contains](http://docs.google.com/javax/swing/plaf/ComponentUI.html#contains(javax.swing.JComponent,%20int,%20int)), [createUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#createUI(javax.swing.JComponent)), [getAccessibleChild](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getAccessibleChild(javax.swing.JComponent,%20int)), [getAccessibleChildrenCount](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getAccessibleChildrenCount(javax.swing.JComponent)), [getBaseline](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getBaseline(javax.swing.JComponent,%20int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getBaselineResizeBehavior(javax.swing.JComponent)), [getMaximumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMaximumSize(javax.swing.JComponent)), [getMinimumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMinimumSize(javax.swing.JComponent)), [getPreferredSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getPreferredSize(javax.swing.JComponent)), [installUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#installUI(javax.swing.JComponent)), [paint](http://docs.google.com/javax/swing/plaf/ComponentUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)), [uninstallUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#uninstallUI(javax.swing.JComponent)), [update](http://docs.google.com/javax/swing/plaf/ComponentUI.html#update(java.awt.Graphics,%20javax.swing.JComponent)) |

| **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** |
| --- |

### TreeUI

public **TreeUI**()

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

### getPathBounds

public abstract [Rectangle](http://docs.google.com/java/awt/Rectangle.html) **getPathBounds**([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. Will return null if any component in path is currently valid.

### getPathForRow

public abstract [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) **getPathForRow**([JTree](http://docs.google.com/javax/swing/JTree.html) tree,  
 int row)

Returns the path for passed in row. If row is not visible null is returned.

### getRowForPath

public abstract int **getRowForPath**([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. Will return -1 if any of the elements in path are not currently visible.

### getRowCount

public abstract int **getRowCount**([JTree](http://docs.google.com/javax/swing/JTree.html) tree)

Returns the number of rows that are being displayed.

### getClosestPathForLocation

public abstract [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) **getClosestPathForLocation**([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. If there is nothing currently visible this will return null, otherwise it'll always return a valid path. If you need to test if the returned object is exactly at x, y you should get the bounds for the returned path and test x, y against that.

### isEditing

public abstract boolean **isEditing**([JTree](http://docs.google.com/javax/swing/JTree.html) tree)

Returns true if the tree is being edited. The item that is being edited can be returned by getEditingPath().

### stopEditing

public abstract boolean **stopEditing**([JTree](http://docs.google.com/javax/swing/JTree.html) tree)

Stops the current editing session. This has no effect if the tree isn't being edited. Returns true if the editor allows the editing session to stop.

### cancelEditing

public abstract void **cancelEditing**([JTree](http://docs.google.com/javax/swing/JTree.html) tree)

Cancels the current editing session. This has no effect if the tree isn't being edited. Returns true if the editor allows the editing session to stop.

### startEditingAtPath

public abstract void **startEditingAtPath**([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. Editing will fail if the CellEditor won't allow it for the selected item.

### getEditingPath

public abstract [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) **getEditingPath**([JTree](http://docs.google.com/javax/swing/JTree.html) tree)

Returns the path to the element that is being edited.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TreeUI.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/plaf/ToolTipUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/UIResource.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/TreeUI.html)    [**NO FRAMES**](http://docs.google.com/TreeUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

[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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