| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TreeSelectionEvent.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/event/TreeModelListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/TreeSelectionListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/TreeSelectionEvent.html)    [**NO FRAMES**](http://docs.google.com/TreeSelectionEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#35nkun2) | [METHOD](#2jxsxqh) |

## **javax.swing.event**

Class TreeSelectionEvent

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.EventObject](http://docs.google.com/java/util/EventObject.html)  
 **javax.swing.event.TreeSelectionEvent**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public class **TreeSelectionEvent**extends [EventObject](http://docs.google.com/java/util/EventObject.html)

An event that characterizes a change in the current selection. The change is based on any number of paths. TreeSelectionListeners will generally query the source of the event for the new selected status of each potentially changed row.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

**See Also:**[TreeSelectionListener](http://docs.google.com/javax/swing/event/TreeSelectionListener.html), [TreeSelectionModel](http://docs.google.com/javax/swing/tree/TreeSelectionModel.html)

| **Field Summary** | |
| --- | --- |
| protected  boolean[] | [**areNew**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#areNew)            For each path identifies if that path is in fact new. |
| protected  [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | [**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) | [**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)[] | [**paths**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#paths)            Paths this event represents. |

| **Fields inherited from class java.util.**[**EventObject**](http://docs.google.com/java/util/EventObject.html) |
| --- |
| [source](http://docs.google.com/java/util/EventObject.html#source) |

| **Constructor Summary** | |
| --- | --- |
| [**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. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**cloneWithSource**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#cloneWithSource(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) newSource)            Returns a copy of the receiver, but with the source being newSource. |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | [**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) | [**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) | [**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)[] | [**getPaths**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#getPaths())()            Returns the paths that have been added or removed from the selection. |
| boolean | [**isAddedPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#isAddedPath())()            Returns true if the first path element has been added to the selection, a return value of false means the first path has been removed from the selection. |
| boolean | [**isAddedPath**](http://docs.google.com/javax/swing/event/TreeSelectionEvent.html#isAddedPath(int))(int index)            Returns true if the path identified by index was added to the selection. |
| boolean | [**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. |

| **Methods inherited from class java.util.**[**EventObject**](http://docs.google.com/java/util/EventObject.html) |
| --- |
| [getSource](http://docs.google.com/java/util/EventObject.html#getSource()), [toString](http://docs.google.com/java/util/EventObject.html#toString()) |

| **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()), [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)) |

| **Field Detail** |
| --- |

### paths

protected [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html)[] **paths**

Paths this event represents.

### areNew

protected boolean[] **areNew**

For each path identifies if that path is in fact new.

### oldLeadSelectionPath

protected [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) **oldLeadSelectionPath**

leadSelectionPath before the paths changed, may be null.

### newLeadSelectionPath

protected [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) **newLeadSelectionPath**

leadSelectionPath after the paths changed, may be null.

| **Constructor Detail** |
| --- |

### TreeSelectionEvent

public **TreeSelectionEvent**([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. paths identifies the paths that have been either added or removed from the selection.

**Parameters:**source - source of eventpaths - the paths that have changed in the selection

### TreeSelectionEvent

public **TreeSelectionEvent**([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. path identifies the path that have been either added or removed from the selection.

**Parameters:**source - source of eventpath - the path that has changed in the selectionisNew - whether or not the path is new to the selection, false means path was removed from the selection.

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

### getPaths

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

Returns the paths that have been added or removed from the selection.

### getPath

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

Returns the first path element.

### isAddedPath

public boolean **isAddedPath**()

Returns true if the first path element has been added to the selection, a return value of false means the first path has been removed from the selection.

### isAddedPath

public boolean **isAddedPath**([TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) path)

Returns true if the path identified by path was added to the selection. A return value of false means the path was in the selection but is no longer in the selection. This will raise if path is not one of the paths identified by this event.

### isAddedPath

public boolean **isAddedPath**(int index)

Returns true if the path identified by index was added to the selection. A return value of false means the path was in the selection but is no longer in the selection. This will raise if index < 0 || >= getPaths.length.

**Since:** 1.3

### getOldLeadSelectionPath

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

Returns the path that was previously the lead path.

### getNewLeadSelectionPath

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

Returns the current lead path.

### cloneWithSource

public [Object](http://docs.google.com/java/lang/Object.html) **cloneWithSource**([Object](http://docs.google.com/java/lang/Object.html) newSource)

Returns a copy of the receiver, but with the source being newSource.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TreeSelectionEvent.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/event/TreeModelListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/TreeSelectionListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/TreeSelectionEvent.html)    [**NO FRAMES**](http://docs.google.com/TreeSelectionEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#35nkun2) | [METHOD](#2jxsxqh) |

[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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