| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RowSorterEvent.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/PopupMenuListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/RowSorterEvent.Type.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/RowSorterEvent.html)    [**NO FRAMES**](http://docs.google.com/RowSorterEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#tyjcwt) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |

## **javax.swing.event**

Class RowSorterEvent

[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.RowSorterEvent**

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

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

RowSorterEvent provides notification of changes to a RowSorter. Two types of notification are possible:

* Type.SORT\_ORDER\_CHANGED: indicates the sort order has changed. This is typically followed by a notification of:
* Type.SORTED: indicates the contents of the model have been transformed in some way. For example, the contents may have been sorted or filtered.

**Since:** 1.6 **See Also:**[RowSorter](http://docs.google.com/javax/swing/RowSorter.html)

| **Nested Class Summary** | |
| --- | --- |
| static class | [**RowSorterEvent.Type**](http://docs.google.com/javax/swing/event/RowSorterEvent.Type.html)            Enumeration of the types of RowSorterEvents. |

| **Field Summary** | |
| --- | --- |

| **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** | |
| --- | --- |
| [**RowSorterEvent**](http://docs.google.com/javax/swing/event/RowSorterEvent.html#RowSorterEvent(javax.swing.RowSorter))([RowSorter](http://docs.google.com/javax/swing/RowSorter.html) source)            Creates a RowSorterEvent of type SORT\_ORDER\_CHANGED. |
| [**RowSorterEvent**](http://docs.google.com/javax/swing/event/RowSorterEvent.html#RowSorterEvent(javax.swing.RowSorter,%20javax.swing.event.RowSorterEvent.Type,%20int%5B%5D))([RowSorter](http://docs.google.com/javax/swing/RowSorter.html) source, [RowSorterEvent.Type](http://docs.google.com/javax/swing/event/RowSorterEvent.Type.html) type, int[] previousRowIndexToModel)            Creates a RowSorterEvent. |

| **Method Summary** | |
| --- | --- |
| int | [**convertPreviousRowIndexToModel**](http://docs.google.com/javax/swing/event/RowSorterEvent.html#convertPreviousRowIndexToModel(int))(int index)            Returns the location of index in terms of the model prior to the sort. |
| int | [**getPreviousRowCount**](http://docs.google.com/javax/swing/event/RowSorterEvent.html#getPreviousRowCount())()            Returns the number of rows before the sort. |
| [RowSorter](http://docs.google.com/javax/swing/RowSorter.html) | [**getSource**](http://docs.google.com/javax/swing/event/RowSorterEvent.html#getSource())()            Returns the source of the event as a RowSorter. |
| [RowSorterEvent.Type](http://docs.google.com/javax/swing/event/RowSorterEvent.Type.html) | [**getType**](http://docs.google.com/javax/swing/event/RowSorterEvent.html#getType())()            Returns the type of event. |

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

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

### RowSorterEvent

public **RowSorterEvent**([RowSorter](http://docs.google.com/javax/swing/RowSorter.html) source)

Creates a RowSorterEvent of type SORT\_ORDER\_CHANGED.

**Parameters:**source - the source of the change **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if source is null

### RowSorterEvent

public **RowSorterEvent**([RowSorter](http://docs.google.com/javax/swing/RowSorter.html) source,  
 [RowSorterEvent.Type](http://docs.google.com/javax/swing/event/RowSorterEvent.Type.html) type,  
 int[] previousRowIndexToModel)

Creates a RowSorterEvent.

**Parameters:**source - the source of the changetype - the type of eventpreviousRowIndexToModel - the mapping from model indices to view indices prior to the sort, may be null **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if source or type is null

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

### getSource

public [RowSorter](http://docs.google.com/javax/swing/RowSorter.html) **getSource**()

Returns the source of the event as a RowSorter.

**Overrides:**[getSource](http://docs.google.com/java/util/EventObject.html#getSource()) in class [EventObject](http://docs.google.com/java/util/EventObject.html) **Returns:**the source of the event as a RowSorter

### getType

public [RowSorterEvent.Type](http://docs.google.com/javax/swing/event/RowSorterEvent.Type.html) **getType**()

Returns the type of event.

**Returns:**the type of event

### convertPreviousRowIndexToModel

public int **convertPreviousRowIndexToModel**(int index)

Returns the location of index in terms of the model prior to the sort. This method is only useful for events of type SORTED. This method will return -1 if the index is not valid, or the locations prior to the sort have not been provided.

**Parameters:**index - the index in terms of the view **Returns:**the index in terms of the model prior to the sort, or -1 if the location is not valid or the mapping was not provided.

### getPreviousRowCount

public int **getPreviousRowCount**()

Returns the number of rows before the sort. This method is only useful for events of type SORTED and if the last locations have not been provided will return 0.

**Returns:**the number of rows in terms of the view prior to the sort

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RowSorterEvent.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[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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