| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ListDataEvent.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/InternalFrameListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/ListDataListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/ListDataEvent.html)    [**NO FRAMES**](http://docs.google.com/ListDataEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#lnxbz9) | [METHOD](#1ksv4uv) |

## **javax.swing.event**

Class ListDataEvent

[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.ListDataEvent**

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

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

Defines an event that encapsulates changes to a list.

**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).

| **Field Summary** | |
| --- | --- |
| static int | [**CONTENTS\_CHANGED**](http://docs.google.com/javax/swing/event/ListDataEvent.html#CONTENTS_CHANGED)            Identifies one or more changes in the lists contents. |
| static int | [**INTERVAL\_ADDED**](http://docs.google.com/javax/swing/event/ListDataEvent.html#INTERVAL_ADDED)            Identifies the addition of one or more contiguous items to the list |
| static int | [**INTERVAL\_REMOVED**](http://docs.google.com/javax/swing/event/ListDataEvent.html#INTERVAL_REMOVED)            Identifies the removal of one or more contiguous items from the list |

| **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** | |
| --- | --- |
| [**ListDataEvent**](http://docs.google.com/javax/swing/event/ListDataEvent.html#ListDataEvent(java.lang.Object,%20int,%20int,%20int))([Object](http://docs.google.com/java/lang/Object.html) source, int type, int index0, int index1)            Constructs a ListDataEvent object. |

| **Method Summary** | |
| --- | --- |
| int | [**getIndex0**](http://docs.google.com/javax/swing/event/ListDataEvent.html#getIndex0())()            Returns the lower index of the range. |
| int | [**getIndex1**](http://docs.google.com/javax/swing/event/ListDataEvent.html#getIndex1())()            Returns the upper index of the range. |
| int | [**getType**](http://docs.google.com/javax/swing/event/ListDataEvent.html#getType())()            Returns the event type. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/event/ListDataEvent.html#toString())()            Returns a string representation of this ListDataEvent. |

| **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()) |

| **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** |
| --- |

### CONTENTS\_CHANGED

public static final int **CONTENTS\_CHANGED**

Identifies one or more changes in the lists contents.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.event.ListDataEvent.CONTENTS_CHANGED)

### INTERVAL\_ADDED

public static final int **INTERVAL\_ADDED**

Identifies the addition of one or more contiguous items to the list

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.event.ListDataEvent.INTERVAL_ADDED)

### INTERVAL\_REMOVED

public static final int **INTERVAL\_REMOVED**

Identifies the removal of one or more contiguous items from the list

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.event.ListDataEvent.INTERVAL_REMOVED)

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

### ListDataEvent

public **ListDataEvent**([Object](http://docs.google.com/java/lang/Object.html) source,  
 int type,  
 int index0,  
 int index1)

Constructs a ListDataEvent object. If index0 is > index1, index0 and index1 will be swapped such that index0 will always be <= index1.

**Parameters:**source - the source Object (typically this)type - an int specifying [CONTENTS\_CHANGED](http://docs.google.com/javax/swing/event/ListDataEvent.html#CONTENTS_CHANGED), [INTERVAL\_ADDED](http://docs.google.com/javax/swing/event/ListDataEvent.html#INTERVAL_ADDED), or [INTERVAL\_REMOVED](http://docs.google.com/javax/swing/event/ListDataEvent.html#INTERVAL_REMOVED)index0 - one end of the new intervalindex1 - the other end of the new interval

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

### getType

public int **getType**()

Returns the event type. The possible values are:

* [CONTENTS\_CHANGED](http://docs.google.com/javax/swing/event/ListDataEvent.html#CONTENTS_CHANGED)
* [INTERVAL\_ADDED](http://docs.google.com/javax/swing/event/ListDataEvent.html#INTERVAL_ADDED)
* [INTERVAL\_REMOVED](http://docs.google.com/javax/swing/event/ListDataEvent.html#INTERVAL_REMOVED)

**Returns:**an int representing the type value

### getIndex0

public int **getIndex0**()

Returns the lower index of the range. For a single element, this value is the same as that returned by [getIndex1()](http://docs.google.com/javax/swing/event/ListDataEvent.html#getIndex1()).

**Returns:**an int representing the lower index value

### getIndex1

public int **getIndex1**()

Returns the upper index of the range. For a single element, this value is the same as that returned by [getIndex0()](http://docs.google.com/javax/swing/event/ListDataEvent.html#getIndex0()).

**Returns:**an int representing the upper index value

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Returns a string representation of this ListDataEvent. This method is intended to be used only for debugging purposes, and the content and format of the returned string may vary between implementations. The returned string may be empty but may not be null.

**Overrides:**[toString](http://docs.google.com/java/util/EventObject.html#toString()) in class [EventObject](http://docs.google.com/java/util/EventObject.html) **Returns:**a string representation of this ListDataEvent.**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ListDataEvent.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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