| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AncestorEvent.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   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/AncestorListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/AncestorEvent.html)    [**NO FRAMES**](http://docs.google.com/AncestorEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#1ksv4uv) | [METHOD](#2jxsxqh) |

## **javax.swing.event**

Class AncestorEvent

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

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

public class **AncestorEvent**extends [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html)

An event reported to a child component that originated from an ancestor in the component hierarchy.

**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 | [**ANCESTOR\_ADDED**](http://docs.google.com/javax/swing/event/AncestorEvent.html#ANCESTOR_ADDED)            An ancestor-component was added to the hierarchy of visible objects (made visible), and is currently being displayed. |
| static int | [**ANCESTOR\_MOVED**](http://docs.google.com/javax/swing/event/AncestorEvent.html#ANCESTOR_MOVED)            An ancestor-component changed its position on the screen. |
| static int | [**ANCESTOR\_REMOVED**](http://docs.google.com/javax/swing/event/AncestorEvent.html#ANCESTOR_REMOVED)            An ancestor-component was removed from the hierarchy of visible objects (hidden) and is no longer being displayed. |

| **Fields inherited from class java.awt.**[**AWTEvent**](http://docs.google.com/java/awt/AWTEvent.html) |
| --- |
| [ACTION\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#ACTION_EVENT_MASK), [ADJUSTMENT\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#ADJUSTMENT_EVENT_MASK), [COMPONENT\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#COMPONENT_EVENT_MASK), [consumed](http://docs.google.com/java/awt/AWTEvent.html#consumed), [CONTAINER\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#CONTAINER_EVENT_MASK), [FOCUS\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#FOCUS_EVENT_MASK), [HIERARCHY\_BOUNDS\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#HIERARCHY_BOUNDS_EVENT_MASK), [HIERARCHY\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#HIERARCHY_EVENT_MASK), [id](http://docs.google.com/java/awt/AWTEvent.html#id), [INPUT\_METHOD\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#INPUT_METHOD_EVENT_MASK), [INVOCATION\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#INVOCATION_EVENT_MASK), [ITEM\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#ITEM_EVENT_MASK), [KEY\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#KEY_EVENT_MASK), [MOUSE\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#MOUSE_EVENT_MASK), [MOUSE\_MOTION\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#MOUSE_MOTION_EVENT_MASK), [MOUSE\_WHEEL\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#MOUSE_WHEEL_EVENT_MASK), [PAINT\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#PAINT_EVENT_MASK), [RESERVED\_ID\_MAX](http://docs.google.com/java/awt/AWTEvent.html#RESERVED_ID_MAX), [TEXT\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#TEXT_EVENT_MASK), [WINDOW\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#WINDOW_EVENT_MASK), [WINDOW\_FOCUS\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#WINDOW_FOCUS_EVENT_MASK), [WINDOW\_STATE\_EVENT\_MASK](http://docs.google.com/java/awt/AWTEvent.html#WINDOW_STATE_EVENT_MASK) |

| **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** | |
| --- | --- |
| [**AncestorEvent**](http://docs.google.com/javax/swing/event/AncestorEvent.html#AncestorEvent(javax.swing.JComponent,%20int,%20java.awt.Container,%20java.awt.Container))([JComponent](http://docs.google.com/javax/swing/JComponent.html) source, int id, [Container](http://docs.google.com/java/awt/Container.html) ancestor, [Container](http://docs.google.com/java/awt/Container.html) ancestorParent)            Constructs an AncestorEvent object to identify a change in an ancestor-component's display-status. |

| **Method Summary** | |
| --- | --- |
| [Container](http://docs.google.com/java/awt/Container.html) | [**getAncestor**](http://docs.google.com/javax/swing/event/AncestorEvent.html#getAncestor())()            Returns the ancestor that the event actually occurred on. |
| [Container](http://docs.google.com/java/awt/Container.html) | [**getAncestorParent**](http://docs.google.com/javax/swing/event/AncestorEvent.html#getAncestorParent())()            Returns the parent of the ancestor the event actually occurred on. |
| [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**getComponent**](http://docs.google.com/javax/swing/event/AncestorEvent.html#getComponent())()            Returns the component that the listener was added to. |

| **Methods inherited from class java.awt.**[**AWTEvent**](http://docs.google.com/java/awt/AWTEvent.html) |
| --- |
| [consume](http://docs.google.com/java/awt/AWTEvent.html#consume()), [getID](http://docs.google.com/java/awt/AWTEvent.html#getID()), [isConsumed](http://docs.google.com/java/awt/AWTEvent.html#isConsumed()), [paramString](http://docs.google.com/java/awt/AWTEvent.html#paramString()), [setSource](http://docs.google.com/java/awt/AWTEvent.html#setSource(java.lang.Object)), [toString](http://docs.google.com/java/awt/AWTEvent.html#toString()) |

| **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** |
| --- |

### ANCESTOR\_ADDED

public static final int **ANCESTOR\_ADDED**

An ancestor-component was added to the hierarchy of visible objects (made visible), and is currently being displayed.

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

### ANCESTOR\_REMOVED

public static final int **ANCESTOR\_REMOVED**

An ancestor-component was removed from the hierarchy of visible objects (hidden) and is no longer being displayed.

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

### ANCESTOR\_MOVED

public static final int **ANCESTOR\_MOVED**

An ancestor-component changed its position on the screen.

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

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

### AncestorEvent

public **AncestorEvent**([JComponent](http://docs.google.com/javax/swing/JComponent.html) source,  
 int id,  
 [Container](http://docs.google.com/java/awt/Container.html) ancestor,  
 [Container](http://docs.google.com/java/awt/Container.html) ancestorParent)

Constructs an AncestorEvent object to identify a change in an ancestor-component's display-status.

**Parameters:**source - the JComponent that originated the event (typically this)id - an int specifying [ANCESTOR\_ADDED](http://docs.google.com/javax/swing/event/AncestorEvent.html#ANCESTOR_ADDED), [ANCESTOR\_REMOVED](http://docs.google.com/javax/swing/event/AncestorEvent.html#ANCESTOR_REMOVED) or [ANCESTOR\_MOVED](http://docs.google.com/javax/swing/event/AncestorEvent.html#ANCESTOR_MOVED)ancestor - a Container object specifying the ancestor-component whose display-status changedancestorParent - a Container object specifying the ancestor's parent

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

### getAncestor

public [Container](http://docs.google.com/java/awt/Container.html) **getAncestor**()

Returns the ancestor that the event actually occurred on.

### getAncestorParent

public [Container](http://docs.google.com/java/awt/Container.html) **getAncestorParent**()

Returns the parent of the ancestor the event actually occurred on. This is most interesting in an ANCESTOR\_REMOVED event, as the ancestor may no longer be in the component hierarchy.

### getComponent

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

Returns the component that the listener was added to.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AncestorEvent.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   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/AncestorListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/AncestorEvent.html)    [**NO FRAMES**](http://docs.google.com/AncestorEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#1ksv4uv) | [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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