| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/AWTEvent.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt//class-useAWTEvent.html)    [**NO FRAMES**](http://docs.google.com/AWTEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.AWTEvent**

| Packages that use [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.event**](#2et92p0) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**java.awt.im**](#tyjcwt) | Provides classes and interfaces for the input method framework. |
| [**java.awt.im.spi**](#3dy6vkm) | Provides interfaces that enable the development of input methods that can be used with any Java runtime environment. |
| [**javax.swing.event**](#1t3h5sf) | Provides for events fired by Swing components. |

| Uses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | |
| --- | --- |
| protected  [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | **Component.**[**coalesceEvents**](http://docs.google.com/java/awt/Component.html#coalesceEvents(java.awt.AWTEvent,%20java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) existingEvent, [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) newEvent)            Potentially coalesce an event being posted with an existing event. |
| static [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | **EventQueue.**[**getCurrentEvent**](http://docs.google.com/java/awt/EventQueue.html#getCurrentEvent())()            Returns the the event currently being dispatched by the EventQueue associated with the calling thread. |
| [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | **EventQueue.**[**getNextEvent**](http://docs.google.com/java/awt/EventQueue.html#getNextEvent())()            Removes an event from the EventQueue and returns it. |
| [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | **EventQueue.**[**peekEvent**](http://docs.google.com/java/awt/EventQueue.html#peekEvent())()            Returns the first event on the EventQueue without removing it. |
| [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | **EventQueue.**[**peekEvent**](http://docs.google.com/java/awt/EventQueue.html#peekEvent(int))(int id)            Returns the first event with the specified id, if any. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | |
| --- | --- |
| protected  [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | **Component.**[**coalesceEvents**](http://docs.google.com/java/awt/Component.html#coalesceEvents(java.awt.AWTEvent,%20java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) existingEvent, [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) newEvent)            Potentially coalesce an event being posted with an existing event. |
| boolean | **DefaultKeyboardFocusManager.**[**dispatchEvent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            This method is called by the AWT event dispatcher requesting that the current KeyboardFocusManager dispatch the specified event on its behalf. |
| void | **MenuComponent.**[**dispatchEvent**](http://docs.google.com/java/awt/MenuComponent.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Delivers an event to this component or one of its sub components. |
| void | **Component.**[**dispatchEvent**](http://docs.google.com/java/awt/Component.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Dispatches an event to this component or one of its sub components. |
| abstract  boolean | **KeyboardFocusManager.**[**dispatchEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            This method is called by the AWT event dispatcher requesting that the current KeyboardFocusManager dispatch the specified event on its behalf. |
| protected  void | **EventQueue.**[**dispatchEvent**](http://docs.google.com/java/awt/EventQueue.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) event)            Dispatches an event. |
| void | **EventQueue.**[**postEvent**](http://docs.google.com/java/awt/EventQueue.html#postEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) theEvent)            Posts a 1.1-style event to the EventQueue. |
| protected  void | **CheckboxMenuItem.**[**processEvent**](http://docs.google.com/java/awt/CheckboxMenuItem.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this check box menu item. |
| protected  void | **MenuItem.**[**processEvent**](http://docs.google.com/java/awt/MenuItem.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this menu item. |
| protected  void | **MenuComponent.**[**processEvent**](http://docs.google.com/java/awt/MenuComponent.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events occurring on this menu component. |
| protected  void | **Window.**[**processEvent**](http://docs.google.com/java/awt/Window.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this window. |
| protected  void | **Choice.**[**processEvent**](http://docs.google.com/java/awt/Choice.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this choice. |
| protected  void | **Container.**[**processEvent**](http://docs.google.com/java/awt/Container.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this container. |
| protected  void | **Scrollbar.**[**processEvent**](http://docs.google.com/java/awt/Scrollbar.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this scroll bar. |
| protected  void | **Checkbox.**[**processEvent**](http://docs.google.com/java/awt/Checkbox.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this check box. |
| protected  void | **List.**[**processEvent**](http://docs.google.com/java/awt/List.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this scrolling list. |
| protected  void | **TextComponent.**[**processEvent**](http://docs.google.com/java/awt/TextComponent.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this text component. |
| protected  void | **TextField.**[**processEvent**](http://docs.google.com/java/awt/TextField.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this text field. |
| protected  void | **Button.**[**processEvent**](http://docs.google.com/java/awt/Button.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events on this button. |
| protected  void | **Component.**[**processEvent**](http://docs.google.com/java/awt/Component.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events occurring on this component. |
| void | **KeyboardFocusManager.**[**redispatchEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#redispatchEvent(java.awt.Component,%20java.awt.AWTEvent))([Component](http://docs.google.com/java/awt/Component.html) target, [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Redispatches an AWTEvent in such a way that the AWT event dispatcher will not recursively request that the KeyboardFocusManager, or any installed KeyEventDispatchers, dispatch the event again. |

| Uses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
| --- | --- |

| Subclasses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
| --- | --- |
| class | [**ActionEvent**](http://docs.google.com/java/awt/event/ActionEvent.html)            A semantic event which indicates that a component-defined action occurred. |
| class | [**AdjustmentEvent**](http://docs.google.com/java/awt/event/AdjustmentEvent.html)            The adjustment event emitted by Adjustable objects. |
| class | [**ComponentEvent**](http://docs.google.com/java/awt/event/ComponentEvent.html)            A low-level event which indicates that a component moved, changed size, or changed visibility (also, the root class for the other component-level events). |
| class | [**ContainerEvent**](http://docs.google.com/java/awt/event/ContainerEvent.html)            A low-level event which indicates that a container's contents changed because a component was added or removed. |
| class | [**FocusEvent**](http://docs.google.com/java/awt/event/FocusEvent.html)            A low-level event which indicates that a Component has gained or lost the input focus. |
| class | [**HierarchyEvent**](http://docs.google.com/java/awt/event/HierarchyEvent.html)            An event which indicates a change to the Component hierarchy to which a Component belongs. |
| class | [**InputEvent**](http://docs.google.com/java/awt/event/InputEvent.html)            The root event class for all component-level input events. |
| class | [**InputMethodEvent**](http://docs.google.com/java/awt/event/InputMethodEvent.html)            Input method events contain information about text that is being composed using an input method. |
| class | [**InvocationEvent**](http://docs.google.com/java/awt/event/InvocationEvent.html)            An event which executes the run() method on a Runnable when dispatched by the AWT event dispatcher thread. |
| class | [**ItemEvent**](http://docs.google.com/java/awt/event/ItemEvent.html)            A semantic event which indicates that an item was selected or deselected. |
| class | [**KeyEvent**](http://docs.google.com/java/awt/event/KeyEvent.html)            An event which indicates that a keystroke occurred in a component. |
| class | [**MouseEvent**](http://docs.google.com/java/awt/event/MouseEvent.html)            An event which indicates that a mouse action occurred in a component. |
| class | [**MouseWheelEvent**](http://docs.google.com/java/awt/event/MouseWheelEvent.html)            An event which indicates that the mouse wheel was rotated in a component. |
| class | [**PaintEvent**](http://docs.google.com/java/awt/event/PaintEvent.html)            The component-level paint event. |
| class | [**TextEvent**](http://docs.google.com/java/awt/event/TextEvent.html)            A semantic event which indicates that an object's text changed. |
| class | [**WindowEvent**](http://docs.google.com/java/awt/event/WindowEvent.html)            A low-level event that indicates that a window has changed its status. |

| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with parameters of type [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | |
| --- | --- |
| void | **AWTEventListenerProxy.**[**eventDispatched**](http://docs.google.com/java/awt/event/AWTEventListenerProxy.html#eventDispatched(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) evt)            Forwards the property change event to the listener delegate. |
| void | **AWTEventListener.**[**eventDispatched**](http://docs.google.com/java/awt/event/AWTEventListener.html#eventDispatched(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) event)            Invoked when an event is dispatched in the AWT. |

| Uses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) | |
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| Methods in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) with parameters of type [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | |
| --- | --- |
| void | **InputContext.**[**dispatchEvent**](http://docs.google.com/java/awt/im/InputContext.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) event)            Dispatches an event to the active input method. |

| Uses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [java.awt.im.spi](http://docs.google.com/java/awt/im/spi/package-summary.html) | |
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| Methods in [java.awt.im.spi](http://docs.google.com/java/awt/im/spi/package-summary.html) with parameters of type [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) | |
| --- | --- |
| void | **InputMethod.**[**dispatchEvent**](http://docs.google.com/java/awt/im/spi/InputMethod.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) event)            Dispatches the event to the input method. |

| Uses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
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| Subclasses of [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
| --- | --- |
| class | [**AncestorEvent**](http://docs.google.com/javax/swing/event/AncestorEvent.html)            An event reported to a child component that originated from an ancestor in the component hierarchy. |
| class | [**InternalFrameEvent**](http://docs.google.com/javax/swing/event/InternalFrameEvent.html)            An AWTEvent that adds support for JInternalFrame objects as the event source. |
| class | [**MenuDragMouseEvent**](http://docs.google.com/javax/swing/event/MenuDragMouseEvent.html)            MenuDragMouseEvent is used to notify interested parties that the menu element has received a MouseEvent forwarded to it under drag conditions. |
| class | [**MenuKeyEvent**](http://docs.google.com/javax/swing/event/MenuKeyEvent.html)            MenuKeyEvent is used to notify interested parties that the menu element has received a KeyEvent forwarded to it in a menu tree. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/AWTEvent.html) | **Use** | [**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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