| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Event.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/java/awt/DisplayMode.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/EventQueue.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Event.html)    [**NO FRAMES**](http://docs.google.com/Event.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#39kk8xu) | [METHOD](#1302m92) |

## **java.awt**

Class Event

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.Event**

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

public class **Event**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Event is a platform-independent class that encapsulates events from the platform's Graphical User Interface in the Java 1.0 event model. In Java 1.1 and later versions, the Event class is maintained only for backwards compatibilty. The information in this class description is provided to assist programmers in converting Java 1.0 programs to the new event model.

In the Java 1.0 event model, an event contains an [id](http://docs.google.com/java/awt/Event.html#id) field that indicates what type of event it is and which other Event variables are relevant for the event.

For keyboard events, [key](http://docs.google.com/java/awt/Event.html#key) contains a value indicating which key was activated, and [modifiers](http://docs.google.com/java/awt/Event.html#modifiers) contains the modifiers for that event. For the KEY\_PRESS and KEY\_RELEASE event ids, the value of key is the unicode character code for the key. For KEY\_ACTION and KEY\_ACTION\_RELEASE, the value of key is one of the defined action-key identifiers in the Event class (PGUP, PGDN, F1, F2, etc).

**Since:** JDK1.0 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.awt.Event)

| **Field Summary** | |
| --- | --- |
| static int | [**ACTION\_EVENT**](http://docs.google.com/java/awt/Event.html#ACTION_EVENT)            This event indicates that the user wants some action to occur. |
| static int | [**ALT\_MASK**](http://docs.google.com/java/awt/Event.html#ALT_MASK)            This flag indicates that the Alt key was down when the event occurred. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**arg**](http://docs.google.com/java/awt/Event.html#arg)            An arbitrary argument of the event. |
| static int | [**BACK\_SPACE**](http://docs.google.com/java/awt/Event.html#BACK_SPACE)            The BackSpace key. |
| static int | [**CAPS\_LOCK**](http://docs.google.com/java/awt/Event.html#CAPS_LOCK)            The Caps Lock key, a non-ASCII action key. |
| int | [**clickCount**](http://docs.google.com/java/awt/Event.html#clickCount)            For MOUSE\_DOWN events, this field indicates the number of consecutive clicks. |
| static int | [**CTRL\_MASK**](http://docs.google.com/java/awt/Event.html#CTRL_MASK)            This flag indicates that the Control key was down when the event occurred. |
| static int | [**DELETE**](http://docs.google.com/java/awt/Event.html#DELETE)            The Delete key. |
| static int | [**DOWN**](http://docs.google.com/java/awt/Event.html#DOWN)            The Down Arrow key, a non-ASCII action key. |
| static int | [**END**](http://docs.google.com/java/awt/Event.html#END)            The End key, a non-ASCII action key. |
| static int | [**ENTER**](http://docs.google.com/java/awt/Event.html#ENTER)            The Enter key. |
| static int | [**ESCAPE**](http://docs.google.com/java/awt/Event.html#ESCAPE)            The Escape key. |
| [Event](http://docs.google.com/java/awt/Event.html) | [**evt**](http://docs.google.com/java/awt/Event.html#evt)            The next event. |
| static int | [**F1**](http://docs.google.com/java/awt/Event.html#F1)            The F1 function key, a non-ASCII action key. |
| static int | [**F10**](http://docs.google.com/java/awt/Event.html#F10)            The F10 function key, a non-ASCII action key. |
| static int | [**F11**](http://docs.google.com/java/awt/Event.html#F11)            The F11 function key, a non-ASCII action key. |
| static int | [**F12**](http://docs.google.com/java/awt/Event.html#F12)            The F12 function key, a non-ASCII action key. |
| static int | [**F2**](http://docs.google.com/java/awt/Event.html#F2)            The F2 function key, a non-ASCII action key. |
| static int | [**F3**](http://docs.google.com/java/awt/Event.html#F3)            The F3 function key, a non-ASCII action key. |
| static int | [**F4**](http://docs.google.com/java/awt/Event.html#F4)            The F4 function key, a non-ASCII action key. |
| static int | [**F5**](http://docs.google.com/java/awt/Event.html#F5)            The F5 function key, a non-ASCII action key. |
| static int | [**F6**](http://docs.google.com/java/awt/Event.html#F6)            The F6 function key, a non-ASCII action key. |
| static int | [**F7**](http://docs.google.com/java/awt/Event.html#F7)            The F7 function key, a non-ASCII action key. |
| static int | [**F8**](http://docs.google.com/java/awt/Event.html#F8)            The F8 function key, a non-ASCII action key. |
| static int | [**F9**](http://docs.google.com/java/awt/Event.html#F9)            The F9 function key, a non-ASCII action key. |
| static int | [**GOT\_FOCUS**](http://docs.google.com/java/awt/Event.html#GOT_FOCUS)            A component gained the focus. |
| static int | [**HOME**](http://docs.google.com/java/awt/Event.html#HOME)            The Home key, a non-ASCII action key. |
| int | [**id**](http://docs.google.com/java/awt/Event.html#id)            Indicates which type of event the event is, and which other Event variables are relevant for the event. |
| static int | [**INSERT**](http://docs.google.com/java/awt/Event.html#INSERT)            The Insert key, a non-ASCII action key. |
| int | [**key**](http://docs.google.com/java/awt/Event.html#key)            The key code of the key that was pressed in a keyboard event. |
| static int | [**KEY\_ACTION**](http://docs.google.com/java/awt/Event.html#KEY_ACTION)            The user has pressed a non-ASCII *action* key. |
| static int | [**KEY\_ACTION\_RELEASE**](http://docs.google.com/java/awt/Event.html#KEY_ACTION_RELEASE)            The user has released a non-ASCII *action* key. |
| static int | [**KEY\_PRESS**](http://docs.google.com/java/awt/Event.html#KEY_PRESS)            The user has pressed a normal key. |
| static int | [**KEY\_RELEASE**](http://docs.google.com/java/awt/Event.html#KEY_RELEASE)            The user has released a normal key. |
| static int | [**LEFT**](http://docs.google.com/java/awt/Event.html#LEFT)            The Left Arrow key, a non-ASCII action key. |
| static int | [**LIST\_DESELECT**](http://docs.google.com/java/awt/Event.html#LIST_DESELECT)            An item in a list has been deselected. |
| static int | [**LIST\_SELECT**](http://docs.google.com/java/awt/Event.html#LIST_SELECT)            An item in a list has been selected. |
| static int | [**LOAD\_FILE**](http://docs.google.com/java/awt/Event.html#LOAD_FILE)            A file loading event. |
| static int | [**LOST\_FOCUS**](http://docs.google.com/java/awt/Event.html#LOST_FOCUS)            A component lost the focus. |
| static int | [**META\_MASK**](http://docs.google.com/java/awt/Event.html#META_MASK)            This flag indicates that the Meta key was down when the event occurred. |
| int | [**modifiers**](http://docs.google.com/java/awt/Event.html#modifiers)            The state of the modifier keys. |
| static int | [**MOUSE\_DOWN**](http://docs.google.com/java/awt/Event.html#MOUSE_DOWN)            The user has pressed the mouse button. |
| static int | [**MOUSE\_DRAG**](http://docs.google.com/java/awt/Event.html#MOUSE_DRAG)            The user has moved the mouse with a button pressed. |
| static int | [**MOUSE\_ENTER**](http://docs.google.com/java/awt/Event.html#MOUSE_ENTER)            The mouse has entered a component. |
| static int | [**MOUSE\_EXIT**](http://docs.google.com/java/awt/Event.html#MOUSE_EXIT)            The mouse has exited a component. |
| static int | [**MOUSE\_MOVE**](http://docs.google.com/java/awt/Event.html#MOUSE_MOVE)            The mouse has moved with no button pressed. |
| static int | [**MOUSE\_UP**](http://docs.google.com/java/awt/Event.html#MOUSE_UP)            The user has released the mouse button. |
| static int | [**NUM\_LOCK**](http://docs.google.com/java/awt/Event.html#NUM_LOCK)            The Num Lock key, a non-ASCII action key. |
| static int | [**PAUSE**](http://docs.google.com/java/awt/Event.html#PAUSE)            The Pause key, a non-ASCII action key. |
| static int | [**PGDN**](http://docs.google.com/java/awt/Event.html#PGDN)            The Page Down key, a non-ASCII action key. |
| static int | [**PGUP**](http://docs.google.com/java/awt/Event.html#PGUP)            The Page Up key, a non-ASCII action key. |
| static int | [**PRINT\_SCREEN**](http://docs.google.com/java/awt/Event.html#PRINT_SCREEN)            The Print Screen key, a non-ASCII action key. |
| static int | [**RIGHT**](http://docs.google.com/java/awt/Event.html#RIGHT)            The Right Arrow key, a non-ASCII action key. |
| static int | [**SAVE\_FILE**](http://docs.google.com/java/awt/Event.html#SAVE_FILE)            A file saving event. |
| static int | [**SCROLL\_ABSOLUTE**](http://docs.google.com/java/awt/Event.html#SCROLL_ABSOLUTE)            The user has moved the bubble (thumb) in a scroll bar, moving to an "absolute" position, rather than to an offset from the last postion. |
| static int | [**SCROLL\_BEGIN**](http://docs.google.com/java/awt/Event.html#SCROLL_BEGIN)            The scroll begin event. |
| static int | [**SCROLL\_END**](http://docs.google.com/java/awt/Event.html#SCROLL_END)            The scroll end event. |
| static int | [**SCROLL\_LINE\_DOWN**](http://docs.google.com/java/awt/Event.html#SCROLL_LINE_DOWN)            The user has activated the *line down* area of a scroll bar. |
| static int | [**SCROLL\_LINE\_UP**](http://docs.google.com/java/awt/Event.html#SCROLL_LINE_UP)            The user has activated the *line up* area of a scroll bar. |
| static int | [**SCROLL\_LOCK**](http://docs.google.com/java/awt/Event.html#SCROLL_LOCK)            The Scroll Lock key, a non-ASCII action key. |
| static int | [**SCROLL\_PAGE\_DOWN**](http://docs.google.com/java/awt/Event.html#SCROLL_PAGE_DOWN)            The user has activated the *page down* area of a scroll bar. |
| static int | [**SCROLL\_PAGE\_UP**](http://docs.google.com/java/awt/Event.html#SCROLL_PAGE_UP)            The user has activated the *page up* area of a scroll bar. |
| static int | [**SHIFT\_MASK**](http://docs.google.com/java/awt/Event.html#SHIFT_MASK)            This flag indicates that the Shift key was down when the event occurred. |
| static int | [**TAB**](http://docs.google.com/java/awt/Event.html#TAB)            The Tab key. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**target**](http://docs.google.com/java/awt/Event.html#target)            The target component. |
| static int | [**UP**](http://docs.google.com/java/awt/Event.html#UP)            The Up Arrow key, a non-ASCII action key. |
| long | [**when**](http://docs.google.com/java/awt/Event.html#when)            The time stamp. |
| static int | [**WINDOW\_DEICONIFY**](http://docs.google.com/java/awt/Event.html#WINDOW_DEICONIFY)            The user has asked the window manager to de-iconify the window. |
| static int | [**WINDOW\_DESTROY**](http://docs.google.com/java/awt/Event.html#WINDOW_DESTROY)            The user has asked the window manager to kill the window. |
| static int | [**WINDOW\_EXPOSE**](http://docs.google.com/java/awt/Event.html#WINDOW_EXPOSE)            The user has asked the window manager to expose the window. |
| static int | [**WINDOW\_ICONIFY**](http://docs.google.com/java/awt/Event.html#WINDOW_ICONIFY)            The user has asked the window manager to iconify the window. |
| static int | [**WINDOW\_MOVED**](http://docs.google.com/java/awt/Event.html#WINDOW_MOVED)            The user has asked the window manager to move the window. |
| int | [**x**](http://docs.google.com/java/awt/Event.html#x)            The *x* coordinate of the event. |
| int | [**y**](http://docs.google.com/java/awt/Event.html#y)            The *y* coordinate of the event. |

| **Constructor Summary** | |
| --- | --- |
| [**Event**](http://docs.google.com/java/awt/Event.html#Event(java.lang.Object,%20int,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) target, int id, [Object](http://docs.google.com/java/lang/Object.html) arg)  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| [**Event**](http://docs.google.com/java/awt/Event.html#Event(java.lang.Object,%20long,%20int,%20int,%20int,%20int,%20int))([Object](http://docs.google.com/java/lang/Object.html) target, long when, int id, int x, int y, int key, int modifiers)  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| [**Event**](http://docs.google.com/java/awt/Event.html#Event(java.lang.Object,%20long,%20int,%20int,%20int,%20int,%20int,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) target, long when, int id, int x, int y, int key, int modifiers, [Object](http://docs.google.com/java/lang/Object.html) arg)  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |

| **Method Summary** | |
| --- | --- |
| boolean | [**controlDown**](http://docs.google.com/java/awt/Event.html#controlDown())()  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| boolean | [**metaDown**](http://docs.google.com/java/awt/Event.html#metaDown())()  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**paramString**](http://docs.google.com/java/awt/Event.html#paramString())()  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| boolean | [**shiftDown**](http://docs.google.com/java/awt/Event.html#shiftDown())()  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/awt/Event.html#toString())()  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |
| void | [**translate**](http://docs.google.com/java/awt/Event.html#translate(int,%20int))(int dx, int dy)  **NOTE:** The Event class is obsolete and is available only for backwards compatilibility. |

| **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** |
| --- |

### SHIFT\_MASK

public static final int **SHIFT\_MASK**

This flag indicates that the Shift key was down when the event occurred.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SHIFT_MASK)

### CTRL\_MASK

public static final int **CTRL\_MASK**

This flag indicates that the Control key was down when the event occurred.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.CTRL_MASK)

### META\_MASK

public static final int **META\_MASK**

This flag indicates that the Meta key was down when the event occurred. For mouse events, this flag indicates that the right button was pressed or released.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.META_MASK)

### ALT\_MASK

public static final int **ALT\_MASK**

This flag indicates that the Alt key was down when the event occurred. For mouse events, this flag indicates that the middle mouse button was pressed or released.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.ALT_MASK)

### HOME

public static final int **HOME**

The Home key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.HOME)

### END

public static final int **END**

The End key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.END)

### PGUP

public static final int **PGUP**

The Page Up key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.PGUP)

### PGDN

public static final int **PGDN**

The Page Down key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.PGDN)

### UP

public static final int **UP**

The Up Arrow key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.UP)

### DOWN

public static final int **DOWN**

The Down Arrow key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.DOWN)

### LEFT

public static final int **LEFT**

The Left Arrow key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.LEFT)

### RIGHT

public static final int **RIGHT**

The Right Arrow key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.RIGHT)

### F1

public static final int **F1**

The F1 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F1)

### F2

public static final int **F2**

The F2 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F2)

### F3

public static final int **F3**

The F3 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F3)

### F4

public static final int **F4**

The F4 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F4)

### F5

public static final int **F5**

The F5 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F5)

### F6

public static final int **F6**

The F6 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F6)

### F7

public static final int **F7**

The F7 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F7)

### F8

public static final int **F8**

The F8 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F8)

### F9

public static final int **F9**

The F9 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F9)

### F10

public static final int **F10**

The F10 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F10)

### F11

public static final int **F11**

The F11 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F11)

### F12

public static final int **F12**

The F12 function key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.F12)

### PRINT\_SCREEN

public static final int **PRINT\_SCREEN**

The Print Screen key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.PRINT_SCREEN)

### SCROLL\_LOCK

public static final int **SCROLL\_LOCK**

The Scroll Lock key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_LOCK)

### CAPS\_LOCK

public static final int **CAPS\_LOCK**

The Caps Lock key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.CAPS_LOCK)

### NUM\_LOCK

public static final int **NUM\_LOCK**

The Num Lock key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.NUM_LOCK)

### PAUSE

public static final int **PAUSE**

The Pause key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.PAUSE)

### INSERT

public static final int **INSERT**

The Insert key, a non-ASCII action key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.INSERT)

### ENTER

public static final int **ENTER**

The Enter key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.ENTER)

### BACK\_SPACE

public static final int **BACK\_SPACE**

The BackSpace key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.BACK_SPACE)

### TAB

public static final int **TAB**

The Tab key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.TAB)

### ESCAPE

public static final int **ESCAPE**

The Escape key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.ESCAPE)

### DELETE

public static final int **DELETE**

The Delete key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.DELETE)

### WINDOW\_DESTROY

public static final int **WINDOW\_DESTROY**

The user has asked the window manager to kill the window.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.WINDOW_DESTROY)

### WINDOW\_EXPOSE

public static final int **WINDOW\_EXPOSE**

The user has asked the window manager to expose the window.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.WINDOW_EXPOSE)

### WINDOW\_ICONIFY

public static final int **WINDOW\_ICONIFY**

The user has asked the window manager to iconify the window.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.WINDOW_ICONIFY)

### WINDOW\_DEICONIFY

public static final int **WINDOW\_DEICONIFY**

The user has asked the window manager to de-iconify the window.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.WINDOW_DEICONIFY)

### WINDOW\_MOVED

public static final int **WINDOW\_MOVED**

The user has asked the window manager to move the window.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.WINDOW_MOVED)

### KEY\_PRESS

public static final int **KEY\_PRESS**

The user has pressed a normal key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.KEY_PRESS)

### KEY\_RELEASE

public static final int **KEY\_RELEASE**

The user has released a normal key.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.KEY_RELEASE)

### KEY\_ACTION

public static final int **KEY\_ACTION**

The user has pressed a non-ASCII *action* key. The key field contains a value that indicates that the event occurred on one of the action keys, which comprise the 12 function keys, the arrow (cursor) keys, Page Up, Page Down, Home, End, Print Screen, Scroll Lock, Caps Lock, Num Lock, Pause, and Insert.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.KEY_ACTION)

### KEY\_ACTION\_RELEASE

public static final int **KEY\_ACTION\_RELEASE**

The user has released a non-ASCII *action* key. The key field contains a value that indicates that the event occurred on one of the action keys, which comprise the 12 function keys, the arrow (cursor) keys, Page Up, Page Down, Home, End, Print Screen, Scroll Lock, Caps Lock, Num Lock, Pause, and Insert.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.KEY_ACTION_RELEASE)

### MOUSE\_DOWN

public static final int **MOUSE\_DOWN**

The user has pressed the mouse button. The ALT\_MASK flag indicates that the middle button has been pressed. The META\_MASKflag indicates that the right button has been pressed.

**See Also:**[ALT\_MASK](http://docs.google.com/java/awt/Event.html#ALT_MASK), [META\_MASK](http://docs.google.com/java/awt/Event.html#META_MASK), [Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.MOUSE_DOWN)

### MOUSE\_UP

public static final int **MOUSE\_UP**

The user has released the mouse button. The ALT\_MASK flag indicates that the middle button has been released. The META\_MASKflag indicates that the right button has been released.

**See Also:**[ALT\_MASK](http://docs.google.com/java/awt/Event.html#ALT_MASK), [META\_MASK](http://docs.google.com/java/awt/Event.html#META_MASK), [Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.MOUSE_UP)

### MOUSE\_MOVE

public static final int **MOUSE\_MOVE**

The mouse has moved with no button pressed.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.MOUSE_MOVE)

### MOUSE\_ENTER

public static final int **MOUSE\_ENTER**

The mouse has entered a component.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.MOUSE_ENTER)

### MOUSE\_EXIT

public static final int **MOUSE\_EXIT**

The mouse has exited a component.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.MOUSE_EXIT)

### MOUSE\_DRAG

public static final int **MOUSE\_DRAG**

The user has moved the mouse with a button pressed. The ALT\_MASK flag indicates that the middle button is being pressed. The META\_MASK flag indicates that the right button is being pressed.

**See Also:**[ALT\_MASK](http://docs.google.com/java/awt/Event.html#ALT_MASK), [META\_MASK](http://docs.google.com/java/awt/Event.html#META_MASK), [Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.MOUSE_DRAG)

### SCROLL\_LINE\_UP

public static final int **SCROLL\_LINE\_UP**

The user has activated the *line up* area of a scroll bar.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_LINE_UP)

### SCROLL\_LINE\_DOWN

public static final int **SCROLL\_LINE\_DOWN**

The user has activated the *line down* area of a scroll bar.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_LINE_DOWN)

### SCROLL\_PAGE\_UP

public static final int **SCROLL\_PAGE\_UP**

The user has activated the *page up* area of a scroll bar.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_PAGE_UP)

### SCROLL\_PAGE\_DOWN

public static final int **SCROLL\_PAGE\_DOWN**

The user has activated the *page down* area of a scroll bar.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_PAGE_DOWN)

### SCROLL\_ABSOLUTE

public static final int **SCROLL\_ABSOLUTE**

The user has moved the bubble (thumb) in a scroll bar, moving to an "absolute" position, rather than to an offset from the last postion.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_ABSOLUTE)

### SCROLL\_BEGIN

public static final int **SCROLL\_BEGIN**

The scroll begin event.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_BEGIN)

### SCROLL\_END

public static final int **SCROLL\_END**

The scroll end event.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SCROLL_END)

### LIST\_SELECT

public static final int **LIST\_SELECT**

An item in a list has been selected.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.LIST_SELECT)

### LIST\_DESELECT

public static final int **LIST\_DESELECT**

An item in a list has been deselected.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.LIST_DESELECT)

### ACTION\_EVENT

public static final int **ACTION\_EVENT**

This event indicates that the user wants some action to occur.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.ACTION_EVENT)

### LOAD\_FILE

public static final int **LOAD\_FILE**

A file loading event.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.LOAD_FILE)

### SAVE\_FILE

public static final int **SAVE\_FILE**

A file saving event.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.SAVE_FILE)

### GOT\_FOCUS

public static final int **GOT\_FOCUS**

A component gained the focus.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.GOT_FOCUS)

### LOST\_FOCUS

public static final int **LOST\_FOCUS**

A component lost the focus.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Event.LOST_FOCUS)

### target

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

The target component. This indicates the component over which the event occurred or with which the event is associated. This object has been replaced by AWTEvent.getSource()

**See Also:**[EventObject.getSource()](http://docs.google.com/java/util/EventObject.html#getSource())

### when

public long **when**

The time stamp. Replaced by InputEvent.getWhen().

**See Also:**[InputEvent.getWhen()](http://docs.google.com/java/awt/event/InputEvent.html#getWhen())

### id

public int **id**

Indicates which type of event the event is, and which other Event variables are relevant for the event. This has been replaced by AWTEvent.getID()

**See Also:**[AWTEvent.getID()](http://docs.google.com/java/awt/AWTEvent.html#getID())

### x

public int **x**

The *x* coordinate of the event. Replaced by MouseEvent.getX()

**See Also:**[MouseEvent.getX()](http://docs.google.com/java/awt/event/MouseEvent.html#getX())

### y

public int **y**

The *y* coordinate of the event. Replaced by MouseEvent.getY()

**See Also:**[MouseEvent.getY()](http://docs.google.com/java/awt/event/MouseEvent.html#getY())

### key

public int **key**

The key code of the key that was pressed in a keyboard event. This has been replaced by KeyEvent.getKeyCode()

**See Also:**[KeyEvent.getKeyCode()](http://docs.google.com/java/awt/event/KeyEvent.html#getKeyCode())

### modifiers

public int **modifiers**

The state of the modifier keys. This is replaced with InputEvent.getModifiers() In java 1.1 MouseEvent and KeyEvent are subclasses of InputEvent.

**See Also:**[InputEvent.getModifiers()](http://docs.google.com/java/awt/event/InputEvent.html#getModifiers())

### clickCount

public int **clickCount**

For MOUSE\_DOWN events, this field indicates the number of consecutive clicks. For other events, its value is 0. This field has been replaced by MouseEvent.getClickCount().

**See Also:**[MouseEvent.getClickCount().](http://docs.google.com/java/awt/event/MouseEvent.html#getClickCount())

### arg

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

An arbitrary argument of the event. The value of this field depends on the type of event. arg has been replaced by event specific property.

### evt

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

The next event. This field is set when putting events into a linked list. This has been replaced by EventQueue.

**See Also:**[EventQueue](http://docs.google.com/java/awt/EventQueue.html)

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

### Event

public **Event**([Object](http://docs.google.com/java/lang/Object.html) target,  
 long when,  
 int id,  
 int x,  
 int y,  
 int key,  
 int modifiers,  
 [Object](http://docs.google.com/java/lang/Object.html) arg)

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Creates an instance of Event with the specified target component, time stamp, event type, *x* and *y* coordinates, keyboard key, state of the modifier keys, and argument.

**Parameters:**target - the target component.when - the time stamp.id - the event type.x - the *x* coordinate.y - the *y* coordinate.key - the key pressed in a keyboard event.modifiers - the state of the modifier keys.arg - the specified argument.

### Event

public **Event**([Object](http://docs.google.com/java/lang/Object.html) target,  
 long when,  
 int id,  
 int x,  
 int y,  
 int key,  
 int modifiers)

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Creates an instance of Event, with the specified target component, time stamp, event type, *x* and *y* coordinates, keyboard key, state of the modifier keys, and an argument set to null.

**Parameters:**target - the target component.when - the time stamp.id - the event type.x - the *x* coordinate.y - the *y* coordinate.key - the key pressed in a keyboard event.modifiers - the state of the modifier keys.

### Event

public **Event**([Object](http://docs.google.com/java/lang/Object.html) target,  
 int id,  
 [Object](http://docs.google.com/java/lang/Object.html) arg)

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Creates an instance of Event with the specified target component, event type, and argument.

**Parameters:**target - the target component.id - the event type.arg - the specified argument.

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

### translate

public void **translate**(int dx,  
 int dy)

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Translates this event so that its *x* and *y* coordinates are increased by *dx* and *dy*, respectively.

This method translates an event relative to the given component. This involves, at a minimum, translating the coordinates into the local coordinate system of the given component. It may also involve translating a region in the case of an expose event.

**Parameters:**dx - the distance to translate the *x* coordinate.dy - the distance to translate the *y* coordinate.

### shiftDown

public boolean **shiftDown**()

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Checks if the Shift key is down.

**Returns:**true if the key is down; false otherwise.**See Also:**[modifiers](http://docs.google.com/java/awt/Event.html#modifiers), [controlDown()](http://docs.google.com/java/awt/Event.html#controlDown()), [metaDown()](http://docs.google.com/java/awt/Event.html#metaDown())

### controlDown

public boolean **controlDown**()

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Checks if the Control key is down.

**Returns:**true if the key is down; false otherwise.**See Also:**[modifiers](http://docs.google.com/java/awt/Event.html#modifiers), [shiftDown()](http://docs.google.com/java/awt/Event.html#shiftDown()), [metaDown()](http://docs.google.com/java/awt/Event.html#metaDown())

### metaDown

public boolean **metaDown**()

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Checks if the Meta key is down.

**Returns:**true if the key is down; false otherwise.**See Also:**[modifiers](http://docs.google.com/java/awt/Event.html#modifiers), [shiftDown()](http://docs.google.com/java/awt/Event.html#shiftDown()), [controlDown()](http://docs.google.com/java/awt/Event.html#controlDown())

### paramString

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

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Returns a string representing the state of this Event. 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.

**Returns:**the parameter string of this event

### toString

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

**NOTE:** The Event class is obsolete and is available only for backwards compatilibility. It has been replaced by the AWTEvent class and its subclasses.

Returns a representation of this event's values as a string.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string that represents the event and the values of its member fields.**Since:** JDK1.1 **See Also:**[paramString()](http://docs.google.com/java/awt/Event.html#paramString())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Event.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/java/awt/DisplayMode.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/EventQueue.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Event.html)    [**NO FRAMES**](http://docs.google.com/Event.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#39kk8xu) | [METHOD](#1302m92) |

[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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