

AWT WindowEvent Class

Advertisements

⬅ Previous Page

Next Page ➡

The object of this class represents the change in state of a window. This low-level event is generated by a Window object when it is opened, closed, activated, deactivated, iconified, or deiconified, or when focus is transferred into or out of the Window.

Class declaration

Following is the declaration for **java.awt.event.WindowEvent** class:

```
public class WindowEvent
    extends ComponentEvent
```

Field

Following are the fields for **java.awt.event.WindowEvent** class:

static int WINDOW_ACTIVATED --The window-activated event type.

static int WINDOW_CLOSED -- The window closed event.

static int WINDOW_CLOSING -- The "window is closing" event.

static int WINDOW_DEACTIVATED -- The window-deactivated event type.

static int WINDOW_DEICONIFIED -- The window deiconified event type.

static int WINDOW_FIRST -- The first number in the range of ids used for window events.

static int WINDOW_GAINED_FOCUS -- The window-gained-focus event type.

static int WINDOW_ICONIFIED -- The window iconified event.

static int WINDOW_LAST -- The last number in the range of ids used for window events.

static int WINDOW_LOST_FOCUS -- The window-lost-focus event type.

static int WINDOW_OPENED -- The window opened event.

static int WINDOW_STATE_CHANGED -- The window-state-changed event type.

Class constructors

S.N.	Constructor & Description
1	WindowEvent(Window source, int id) Constructs a WindowEvent object.
2	WindowEvent(Window source, int id, int oldState, int newState) Constructs a WindowEvent object with the specified previous and new window states.
3	WindowEvent(Window source, int id, Window opposite) Constructs a WindowEvent object with the specified opposite Window.
4	WindowEvent(Window source, int id, Window opposite, int oldState, int newState) Constructs a WindowEvent object.

Class methods

S.N.	Method & Description
1	int getNewState() For WINDOW_STATE_CHANGED events returns the new state of the window.
2	int getOldState() For WINDOW_STATE_CHANGED events returns the previous state of the window.
3	Window getOppositeWindow() Returns the other Window involved in this focus or activation change.
4	Window getWindow() Returns the originator of the event.
5	String paramString() Returns a parameter string identifying this event.

Methods inherited

This class inherits methods from the following classes:

`java.awt.event.ComponentEvent`

`java.awt.AWTEvent`

`java.util.EventObject`

`java.lang.Object`

[⬅ Previous Page](#)

[Next Page ➡](#)



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