

# SWING - WINDOWEVENT CLASS

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***Windowsource, intid*

Constructs a WindowEvent object.

2 **WindowEvent***Windowsource, intid, intoldState, intnewState*

Constructs a WindowEvent object with the specified previous and new window states.

3 **WindowEvent***Windowsource, intid, Windowopposite*

Constructs a WindowEvent object with the specified opposite Window.

4 **WindowEvent***Windowsource, intid, Windowopposite, intoldState, intnewState*

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`