| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/WindowEvent.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/event//class-useWindowEvent.html)    [**NO FRAMES**](http://docs.google.com/WindowEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.event.WindowEvent**

| Packages that use [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) | |
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| [**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. |
| [**javax.swing**](#tyjcwt) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.plaf.basic**](#3dy6vkm) | Provides user interface objects built according to the Basic look and feel. |

| Uses of [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.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) with parameters of type [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) | |
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| protected  void | **Window.**[**processWindowEvent**](http://docs.google.com/java/awt/Window.html#processWindowEvent(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Processes window events occurring on this window by dispatching them to any registered WindowListener objects. |
| protected  void | **Window.**[**processWindowFocusEvent**](http://docs.google.com/java/awt/Window.html#processWindowFocusEvent(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Processes window focus event occuring on this window by dispatching them to any registered WindowFocusListener objects. |
| protected  void | **Window.**[**processWindowStateEvent**](http://docs.google.com/java/awt/Window.html#processWindowStateEvent(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Processes window state event occuring on this window by dispatching them to any registered WindowStateListener objects. |
| void | **AWTEventMulticaster.**[**windowActivated**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowActivated(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowActivated event by invoking the windowActivated methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowClosed**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowClosed(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowClosed event by invoking the windowClosed methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowClosing**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowClosing(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowClosing event by invoking the windowClosing methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowDeactivated**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowDeactivated(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowDeactivated event by invoking the windowDeactivated methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowDeiconified**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowDeiconified(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowDeiconfied event by invoking the windowDeiconified methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowGainedFocus**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowGainedFocus(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowGainedFocus event by invoking the windowGainedFocus methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowIconified**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowIconified(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowIconified event by invoking the windowIconified methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowLostFocus**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowLostFocus(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowLostFocus event by invoking the windowLostFocus methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowOpened**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowOpened(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowOpened event by invoking the windowOpened methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**windowStateChanged**](http://docs.google.com/java/awt/AWTEventMulticaster.html#windowStateChanged(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles the windowStateChanged event by invoking the windowStateChanged methods on listener-a and listener-b. |

| Uses of [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
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| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with parameters of type [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) | |
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| void | **WindowAdapter.**[**windowActivated**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowActivated(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is activated. |
| void | **WindowListener.**[**windowActivated**](http://docs.google.com/java/awt/event/WindowListener.html#windowActivated(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when the Window is set to be the active Window. |
| void | **WindowAdapter.**[**windowClosed**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowClosed(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window has been closed. |
| void | **WindowListener.**[**windowClosed**](http://docs.google.com/java/awt/event/WindowListener.html#windowClosed(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window has been closed as the result of calling dispose on the window. |
| void | **WindowAdapter.**[**windowClosing**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowClosing(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is in the process of being closed. |
| void | **WindowListener.**[**windowClosing**](http://docs.google.com/java/awt/event/WindowListener.html#windowClosing(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when the user attempts to close the window from the window's system menu. |
| void | **WindowAdapter.**[**windowDeactivated**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowDeactivated(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is de-activated. |
| void | **WindowListener.**[**windowDeactivated**](http://docs.google.com/java/awt/event/WindowListener.html#windowDeactivated(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a Window is no longer the active Window. |
| void | **WindowAdapter.**[**windowDeiconified**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowDeiconified(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is de-iconified. |
| void | **WindowListener.**[**windowDeiconified**](http://docs.google.com/java/awt/event/WindowListener.html#windowDeiconified(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is changed from a minimized to a normal state. |
| void | **WindowAdapter.**[**windowGainedFocus**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowGainedFocus(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when the Window is set to be the focused Window, which means that the Window, or one of its subcomponents, will receive keyboard events. |
| void | **WindowFocusListener.**[**windowGainedFocus**](http://docs.google.com/java/awt/event/WindowFocusListener.html#windowGainedFocus(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when the Window is set to be the focused Window, which means that the Window, or one of its subcomponents, will receive keyboard events. |
| void | **WindowAdapter.**[**windowIconified**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowIconified(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is iconified. |
| void | **WindowListener.**[**windowIconified**](http://docs.google.com/java/awt/event/WindowListener.html#windowIconified(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window is changed from a normal to a minimized state. |
| void | **WindowAdapter.**[**windowLostFocus**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowLostFocus(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when the Window is no longer the focused Window, which means that keyboard events will no longer be delivered to the Window or any of its subcomponents. |
| void | **WindowFocusListener.**[**windowLostFocus**](http://docs.google.com/java/awt/event/WindowFocusListener.html#windowLostFocus(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when the Window is no longer the focused Window, which means that keyboard events will no longer be delivered to the Window or any of its subcomponents. |
| void | **WindowAdapter.**[**windowOpened**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowOpened(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window has been opened. |
| void | **WindowListener.**[**windowOpened**](http://docs.google.com/java/awt/event/WindowListener.html#windowOpened(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked the first time a window is made visible. |
| void | **WindowAdapter.**[**windowStateChanged**](http://docs.google.com/java/awt/event/WindowAdapter.html#windowStateChanged(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when a window state is changed. |
| void | **WindowStateListener.**[**windowStateChanged**](http://docs.google.com/java/awt/event/WindowStateListener.html#windowStateChanged(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Invoked when window state is changed. |

| Uses of [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) | |
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| protected  void | **JDialog.**[**processWindowEvent**](http://docs.google.com/javax/swing/JDialog.html#processWindowEvent(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Handles window events depending on the state of the defaultCloseOperation property. |
| protected  void | **JFrame.**[**processWindowEvent**](http://docs.google.com/javax/swing/JFrame.html#processWindowEvent(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Processes window events occurring on this component. |
| void | **JMenu.WinListener.**[**windowClosing**](http://docs.google.com/javax/swing/JMenu.WinListener.html#windowClosing(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) e)            Deselect the menu when the popup is closed from outside. |

| Uses of [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) | |
| --- | --- |
| void | **BasicToolBarUI.FrameListener.**[**windowClosing**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.FrameListener.html#windowClosing(java.awt.event.WindowEvent))([WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html) w) |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/WindowEvent.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/event//class-useWindowEvent.html)    [**NO FRAMES**](http://docs.google.com/WindowEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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