| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/WindowFocusListener.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/event/WindowEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/WindowListener.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/WindowFocusListener.html)    [**NO FRAMES**](http://docs.google.com/WindowFocusListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.awt.event**

Interface WindowFocusListener

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html) **All Known Implementing Classes:** [AWTEventMulticaster](http://docs.google.com/java/awt/AWTEventMulticaster.html), [BasicToolBarUI.FrameListener](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.FrameListener.html), [JMenu.WinListener](http://docs.google.com/javax/swing/JMenu.WinListener.html), [WindowAdapter](http://docs.google.com/java/awt/event/WindowAdapter.html)

public interface **WindowFocusListener**extends [EventListener](http://docs.google.com/java/util/EventListener.html)

The listener interface for receiving WindowEvents, including WINDOW\_GAINED\_FOCUS and WINDOW\_LOST\_FOCUS events. The class that is interested in processing a WindowEvent either implements this interface (and all the methods it contains) or extends the abstract WindowAdapter class (overriding only the methods of interest). The listener object created from that class is then registered with a Window using the Window's addWindowFocusListener method. When the Window's status changes by virtue of it being opened, closed, activated, deactivated, iconified, or deiconified, or by focus being transfered into or out of the Window, the relevant method in the listener object is invoked, and the WindowEvent is passed to it.

**Since:** 1.4 **See Also:**[WindowAdapter](http://docs.google.com/java/awt/event/WindowAdapter.html), [WindowEvent](http://docs.google.com/java/awt/event/WindowEvent.html), [Tutorial: Writing a Window Listener](http://java.sun.com/docs/books/tutorial/post1.0/ui/windowlistener.html)

| **Method Summary** | |
| --- | --- |
| void | [**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 | [**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. |

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

### windowGainedFocus

void **windowGainedFocus**([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.

### windowLostFocus

void **windowLostFocus**([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.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/WindowFocusListener.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/event/WindowEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/WindowListener.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/WindowFocusListener.html)    [**NO FRAMES**](http://docs.google.com/WindowFocusListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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