| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/InternalFrameAdapter.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/javax/swing/event/HyperlinkListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/InternalFrameAdapter.html)    [**NO FRAMES**](http://docs.google.com/InternalFrameAdapter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.swing.event**

Class InternalFrameAdapter

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.event.InternalFrameAdapter**

**All Implemented Interfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html), [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html)

public abstract class **InternalFrameAdapter**extends [Object](http://docs.google.com/java/lang/Object.html)implements [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html)

An abstract adapter class for receiving internal frame events. The methods in this class are empty. This class exists as convenience for creating listener objects, and is functionally equivalent to the WindowAdapter class in the AWT.

See [How to Write an Internal Frame Listener](http://java.sun.com/docs/books/tutorial/uiswing/events/internalframelistener.html) in *The Java Tutorial* and [The Java Class Libraries (update)](http://www.awl.com/cp/javaseries/jcl1_2.html)

**See Also:**[InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html), [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html), [WindowListener](http://docs.google.com/java/awt/event/WindowListener.html)

| **Constructor Summary** | |
| --- | --- |
| [**InternalFrameAdapter**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#InternalFrameAdapter())() |

| **Method Summary** | |
| --- | --- |
| void | [**internalFrameActivated**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameActivated(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame is activated. |
| void | [**internalFrameClosed**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameClosed(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame has been closed. |
| void | [**internalFrameClosing**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameClosing(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame is in the process of being closed. |
| void | [**internalFrameDeactivated**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameDeactivated(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame is de-activated. |
| void | [**internalFrameDeiconified**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameDeiconified(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame is de-iconified. |
| void | [**internalFrameIconified**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameIconified(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame is iconified. |
| void | [**internalFrameOpened**](http://docs.google.com/javax/swing/event/InternalFrameAdapter.html#internalFrameOpened(javax.swing.event.InternalFrameEvent))([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)            Invoked when an internal frame has been opened. |

| **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()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

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

### InternalFrameAdapter

public **InternalFrameAdapter**()

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

### internalFrameOpened

public void **internalFrameOpened**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame has been opened.

**Specified by:**[internalFrameOpened](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameOpened(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.show()](http://docs.google.com/javax/swing/JInternalFrame.html#show())

### internalFrameClosing

public void **internalFrameClosing**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame is in the process of being closed. The close operation can be overridden at this point.

**Specified by:**[internalFrameClosing](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameClosing(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.setDefaultCloseOperation(int)](http://docs.google.com/javax/swing/JInternalFrame.html#setDefaultCloseOperation(int))

### internalFrameClosed

public void **internalFrameClosed**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame has been closed.

**Specified by:**[internalFrameClosed](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameClosed(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.setClosed(boolean)](http://docs.google.com/javax/swing/JInternalFrame.html#setClosed(boolean))

### internalFrameIconified

public void **internalFrameIconified**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame is iconified.

**Specified by:**[internalFrameIconified](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameIconified(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.setIcon(boolean)](http://docs.google.com/javax/swing/JInternalFrame.html#setIcon(boolean))

### internalFrameDeiconified

public void **internalFrameDeiconified**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame is de-iconified.

**Specified by:**[internalFrameDeiconified](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameDeiconified(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.setIcon(boolean)](http://docs.google.com/javax/swing/JInternalFrame.html#setIcon(boolean))

### internalFrameActivated

public void **internalFrameActivated**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame is activated.

**Specified by:**[internalFrameActivated](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameActivated(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.setSelected(boolean)](http://docs.google.com/javax/swing/JInternalFrame.html#setSelected(boolean))

### internalFrameDeactivated

public void **internalFrameDeactivated**([InternalFrameEvent](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) e)

Invoked when an internal frame is de-activated.

**Specified by:**[internalFrameDeactivated](http://docs.google.com/javax/swing/event/InternalFrameListener.html#internalFrameDeactivated(javax.swing.event.InternalFrameEvent)) in interface [InternalFrameListener](http://docs.google.com/javax/swing/event/InternalFrameListener.html) **See Also:**[JInternalFrame.setSelected(boolean)](http://docs.google.com/javax/swing/JInternalFrame.html#setSelected(boolean))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/InternalFrameAdapter.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/javax/swing/event/HyperlinkListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/event/InternalFrameEvent.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/event/InternalFrameAdapter.html)    [**NO FRAMES**](http://docs.google.com/InternalFrameAdapter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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