| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ComponentListener.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/ComponentEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/ContainerAdapter.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/ComponentListener.html)    [**NO FRAMES**](http://docs.google.com/ComponentListener.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 ComponentListener

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html) **All Known Implementing Classes:** [AWTEventMulticaster](http://docs.google.com/java/awt/AWTEventMulticaster.html), [BasicInternalFrameUI.ComponentHandler](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.ComponentHandler.html), [BasicSliderUI.ComponentHandler](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.ComponentHandler.html), [BasicTreeUI.ComponentHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.ComponentHandler.html), [Component.AccessibleAWTComponent.AccessibleAWTComponentHandler](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.AccessibleAWTComponentHandler.html), [ComponentAdapter](http://docs.google.com/java/awt/event/ComponentAdapter.html), [JViewport.ViewListener](http://docs.google.com/javax/swing/JViewport.ViewListener.html)

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

The listener interface for receiving component events. The class that is interested in processing a component event either implements this interface (and all the methods it contains) or extends the abstract ComponentAdapter class (overriding only the methods of interest). The listener object created from that class is then registered with a component using the component's addComponentListener method. When the component's size, location, or visibility changes, the relevant method in the listener object is invoked, and the ComponentEvent is passed to it.

Component events are provided for notification purposes ONLY; The AWT will automatically handle component moves and resizes internally so that GUI layout works properly regardless of whether a program registers a ComponentListener or not.

**Since:** 1.1 **See Also:**[ComponentAdapter](http://docs.google.com/java/awt/event/ComponentAdapter.html), [ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html), [Tutorial: Writing a Component Listener](http://java.sun.com/docs/books/tutorial/post1.0/ui/componentlistener.html)

| **Method Summary** | |
| --- | --- |
| void | [**componentHidden**](http://docs.google.com/java/awt/event/ComponentListener.html#componentHidden(java.awt.event.ComponentEvent))([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)            Invoked when the component has been made invisible. |
| void | [**componentMoved**](http://docs.google.com/java/awt/event/ComponentListener.html#componentMoved(java.awt.event.ComponentEvent))([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)            Invoked when the component's position changes. |
| void | [**componentResized**](http://docs.google.com/java/awt/event/ComponentListener.html#componentResized(java.awt.event.ComponentEvent))([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)            Invoked when the component's size changes. |
| void | [**componentShown**](http://docs.google.com/java/awt/event/ComponentListener.html#componentShown(java.awt.event.ComponentEvent))([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)            Invoked when the component has been made visible. |

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

### componentResized

void **componentResized**([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)

Invoked when the component's size changes.

### componentMoved

void **componentMoved**([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)

Invoked when the component's position changes.

### componentShown

void **componentShown**([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)

Invoked when the component has been made visible.

### componentHidden

void **componentHidden**([ComponentEvent](http://docs.google.com/java/awt/event/ComponentEvent.html) e)

Invoked when the component has been made invisible.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ComponentListener.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/ComponentEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/ContainerAdapter.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/ComponentListener.html)    [**NO FRAMES**](http://docs.google.com/ComponentListener.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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