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

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html) **All Known Implementing Classes:** [AWTEventMulticaster](http://docs.google.com/java/awt/AWTEventMulticaster.html), [BasicButtonListener](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html), [BasicComboBoxEditor](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxEditor.html), [BasicComboBoxEditor.UIResource](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxEditor.UIResource.html), [BasicComboBoxUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxUI.FocusHandler.html), [BasicListUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicListUI.FocusHandler.html), [BasicSliderUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.FocusHandler.html), [BasicSplitPaneUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.FocusHandler.html), [BasicTabbedPaneUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.FocusHandler.html), [BasicTableUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTableUI.FocusHandler.html), [BasicTextUI.BasicCaret](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.BasicCaret.html), [BasicToolBarUI.ToolBarFocusListener](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.ToolBarFocusListener.html), [BasicTreeUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.FocusHandler.html), [Component.AccessibleAWTComponent.AccessibleAWTFocusHandler](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.AccessibleAWTFocusHandler.html), [DefaultCaret](http://docs.google.com/javax/swing/text/DefaultCaret.html), [FocusAdapter](http://docs.google.com/java/awt/event/FocusAdapter.html), [JComponent.AccessibleJComponent.AccessibleFocusHandler](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.AccessibleFocusHandler.html), [MetalComboBoxEditor](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxEditor.html), [MetalComboBoxEditor.UIResource](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxEditor.UIResource.html)

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

The listener interface for receiving keyboard focus events on a component. The class that is interested in processing a focus event either implements this interface (and all the methods it contains) or extends the abstract FocusAdapter class (overriding only the methods of interest). The listener object created from that class is then registered with a component using the component's addFocusListener method. When the component gains or loses the keyboard focus, the relevant method in the listener object is invoked, and the FocusEvent is passed to it.

**Since:** 1.1 **See Also:**[FocusAdapter](http://docs.google.com/java/awt/event/FocusAdapter.html), [FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html), [Tutorial: Writing a Focus Listener](http://java.sun.com/docs/books/tutorial/post1.0/ui/focuslistener.html)

| **Method Summary** | |
| --- | --- |
| void | [**focusGained**](http://docs.google.com/java/awt/event/FocusListener.html#focusGained(java.awt.event.FocusEvent))([FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html) e)            Invoked when a component gains the keyboard focus. |
| void | [**focusLost**](http://docs.google.com/java/awt/event/FocusListener.html#focusLost(java.awt.event.FocusEvent))([FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html) e)            Invoked when a component loses the keyboard focus. |

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

### focusGained

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

Invoked when a component gains the keyboard focus.

### focusLost

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

Invoked when a component loses the keyboard focus.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FocusListener.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 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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