| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/ContainerListener.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*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/event//class-useContainerListener.html)    [**NO FRAMES**](http://docs.google.com/ContainerListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.awt.event.ContainerListener**

| Packages that use [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| [**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. |
| [**javax.swing.plaf.metal**](#1t3h5sf) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |

| Uses of [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Classes in [java.awt](http://docs.google.com/java/awt/package-summary.html) that implement [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| class | [**AWTEventMulticaster**](http://docs.google.com/java/awt/AWTEventMulticaster.html)            AWTEventMulticaster implements efficient and thread-safe multi-cast event dispatching for the AWT events defined in the java.awt.event package. |
| protected  class | [**Container.AccessibleAWTContainer.AccessibleContainerHandler**](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.AccessibleContainerHandler.html)            Fire PropertyChange listener, if one is registered, when children are added or removed. |

| Fields in [java.awt](http://docs.google.com/java/awt/package-summary.html) declared as [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **Container.AccessibleAWTContainer.**[**accessibleContainerHandler**](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.html#accessibleContainerHandler) |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| static [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **AWTEventMulticaster.**[**add**](http://docs.google.com/java/awt/AWTEventMulticaster.html#add(java.awt.event.ContainerListener,%20java.awt.event.ContainerListener))([ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) a, [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) b)            Adds container-listener-a with container-listener-b and returns the resulting multicast listener. |
| [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html)[] | **Container.**[**getContainerListeners**](http://docs.google.com/java/awt/Container.html#getContainerListeners())()            Returns an array of all the container listeners registered on this container. |
| static [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **AWTEventMulticaster.**[**remove**](http://docs.google.com/java/awt/AWTEventMulticaster.html#remove(java.awt.event.ContainerListener,%20java.awt.event.ContainerListener))([ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) l, [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) oldl)            Removes the old container-listener from container-listener-l and returns the resulting multicast listener. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| static [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **AWTEventMulticaster.**[**add**](http://docs.google.com/java/awt/AWTEventMulticaster.html#add(java.awt.event.ContainerListener,%20java.awt.event.ContainerListener))([ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) a, [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) b)            Adds container-listener-a with container-listener-b and returns the resulting multicast listener. |
| void | **Container.**[**addContainerListener**](http://docs.google.com/java/awt/Container.html#addContainerListener(java.awt.event.ContainerListener))([ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) l)            Adds the specified container listener to receive container events from this container. |
| static [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **AWTEventMulticaster.**[**remove**](http://docs.google.com/java/awt/AWTEventMulticaster.html#remove(java.awt.event.ContainerListener,%20java.awt.event.ContainerListener))([ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) l, [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) oldl)            Removes the old container-listener from container-listener-l and returns the resulting multicast listener. |
| void | **Container.**[**removeContainerListener**](http://docs.google.com/java/awt/Container.html#removeContainerListener(java.awt.event.ContainerListener))([ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) l)            Removes the specified container listener so it no longer receives container events from this container. |

| Uses of [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
| --- | --- |

| Classes in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) that implement [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| class | [**ContainerAdapter**](http://docs.google.com/java/awt/event/ContainerAdapter.html)            An abstract adapter class for receiving container events. |

| Uses of [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that implement [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  class | [**JComponent.AccessibleJComponent.AccessibleContainerHandler**](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.AccessibleContainerHandler.html)            Fire PropertyChange listener, if one is registered, when children added/removed. |

| Fields in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) declared as [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **JComponent.AccessibleJComponent.**[**accessibleContainerHandler**](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#accessibleContainerHandler) |

| Uses of [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that implement [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  class | [**BasicToolBarUI.ToolBarContListener**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.ToolBarContListener.html) |

| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) declared as [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **BasicMenuBarUI.**[**containerListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuBarUI.html#containerListener) |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **BasicToolBarUI.**[**toolBarContListener**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#toolBarContListener) |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **BasicMenuBarUI.**[**createContainerListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuBarUI.html#createContainerListener())() |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **BasicToolBarUI.**[**createToolBarContListener**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#createToolBarContListener())() |

| Uses of [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) that implement [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  class | [**MetalToolBarUI.MetalContainerListener**](http://docs.google.com/javax/swing/plaf/metal/MetalToolBarUI.MetalContainerListener.html) |

| Fields in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) declared as [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **MetalToolBarUI.**[**contListener**](http://docs.google.com/javax/swing/plaf/metal/MetalToolBarUI.html#contListener)            This protected field is implemenation specific. |

| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) that return [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | |
| --- | --- |
| protected  [ContainerListener](http://docs.google.com/java/awt/event/ContainerListener.html) | **MetalToolBarUI.**[**createContainerListener**](http://docs.google.com/javax/swing/plaf/metal/MetalToolBarUI.html#createContainerListener())()            Creates a container listener that will be added to the JToolBar. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/ContainerListener.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-useContainerListener.html)    [**NO FRAMES**](http://docs.google.com/ContainerListener.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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