| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicInternalFrameUI.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/plaf/basic/BasicInternalFrameTitlePane.TitlePaneLayout.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.BasicInternalFrameListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicInternalFrameUI.html)    [**NO FRAMES**](http://docs.google.com/BasicInternalFrameUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#2xcytpi) | [METHOD](#3whwml4) |

## **javax.swing.plaf.basic**

Class BasicInternalFrameUI

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.plaf.ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)  
 [javax.swing.plaf.InternalFrameUI](http://docs.google.com/javax/swing/plaf/InternalFrameUI.html)  
 **javax.swing.plaf.basic.BasicInternalFrameUI**

**Direct Known Subclasses:** [MetalInternalFrameUI](http://docs.google.com/javax/swing/plaf/metal/MetalInternalFrameUI.html)

public class **BasicInternalFrameUI**extends [InternalFrameUI](http://docs.google.com/javax/swing/plaf/InternalFrameUI.html)

A basic L&F implementation of JInternalFrame.

| **Nested Class Summary** | |
| --- | --- |
| protected  class | [**BasicInternalFrameUI.BasicInternalFrameListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.BasicInternalFrameListener.html) |
| protected  class | [**BasicInternalFrameUI.BorderListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.BorderListener.html)            Listens for border adjustments. |
| protected  class | [**BasicInternalFrameUI.ComponentHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.ComponentHandler.html) |
| protected  class | [**BasicInternalFrameUI.GlassPaneDispatcher**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.GlassPaneDispatcher.html) |
| class | [**BasicInternalFrameUI.InternalFrameLayout**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.InternalFrameLayout.html) |
| class | [**BasicInternalFrameUI.InternalFramePropertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.InternalFramePropertyChangeListener.html) |

| **Field Summary** | |
| --- | --- |
| protected  [MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html) | [**borderListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#borderListener) |
| protected  [ComponentListener](http://docs.google.com/java/awt/event/ComponentListener.html) | [**componentListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#componentListener) |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**eastPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#eastPane) |
| protected  [JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) | [**frame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#frame) |
| protected  [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) | [**glassPaneDispatcher**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#glassPaneDispatcher) |
| protected  [LayoutManager](http://docs.google.com/java/awt/LayoutManager.html) | [**internalFrameLayout**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#internalFrameLayout) |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**northPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#northPane) |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | [**openMenuKey**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#openMenuKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) | [**propertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#propertyChangeListener) |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**southPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#southPane) |
| protected  [BasicInternalFrameTitlePane](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html) | [**titlePane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#titlePane) |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**westPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#westPane) |

| **Constructor Summary** | |
| --- | --- |
| [**BasicInternalFrameUI**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#BasicInternalFrameUI(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) b) |

| **Method Summary** | |
| --- | --- |
| protected  void | [**activateFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#activateFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the frame becomes selected. |
| protected  void | [**closeFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#closeFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the user wants to close the frame. |
| protected  [MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html) | [**createBorderListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createBorderListener(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w) |
| protected  [ComponentListener](http://docs.google.com/java/awt/event/ComponentListener.html) | [**createComponentListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createComponentListener())() |
| protected  [DesktopManager](http://docs.google.com/javax/swing/DesktopManager.html) | [**createDesktopManager**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createDesktopManager())() |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**createEastPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createEastPane(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w) |
| protected  [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) | [**createGlassPaneDispatcher**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createGlassPaneDispatcher())() |
| protected  void | [**createInternalFrameListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createInternalFrameListener())() |
| protected  [LayoutManager](http://docs.google.com/java/awt/LayoutManager.html) | [**createLayoutManager**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createLayoutManager())() |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**createNorthPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createNorthPane(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w) |
| protected  [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) | [**createPropertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createPropertyChangeListener())() |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**createSouthPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createSouthPane(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w) |
| static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | [**createUI**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) b) |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**createWestPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#createWestPane(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w) |
| protected  void | [**deactivateFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#deactivateFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the frame is no longer selected. |
| protected  void | [**deiconifyFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#deiconifyFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the user wants to deiconify the frame. |
| protected  void | [**deinstallMouseHandlers**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#deinstallMouseHandlers(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [DesktopManager](http://docs.google.com/javax/swing/DesktopManager.html) | [**getDesktopManager**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getDesktopManager())()            Returns the proper DesktopManager. |
| [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**getEastPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getEastPane())() |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getMaximumSize**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getMaximumSize(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)            Returns the specified component's maximum size appropriate for the look and feel. |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getMinimumSize**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getMinimumSize(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)            Returns the specified component's minimum size appropriate for the look and feel. |
| [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**getNorthPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getNorthPane())() |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getPreferredSize**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getPreferredSize(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)            Returns the specified component's preferred size appropriate for the look and feel. |
| [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**getSouthPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getSouthPane())() |
| [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**getWestPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#getWestPane())() |
| protected  void | [**iconifyFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#iconifyFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the user wants to iconify the frame. |
| protected  void | [**installComponents**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#installComponents())() |
| protected  void | [**installDefaults**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#installDefaults())() |
| protected  void | [**installKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#installKeyboardActions())() |
| protected  void | [**installListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#installListeners())() |
| protected  void | [**installMouseHandlers**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#installMouseHandlers(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| void | [**installUI**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#installUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Configures the specified component appropriate for the look and feel. |
| boolean | [**isKeyBindingActive**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#isKeyBindingActive())() |
| protected  boolean | [**isKeyBindingRegistered**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#isKeyBindingRegistered())() |
| protected  void | [**maximizeFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#maximizeFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the user wants to maximize the frame. |
| protected  void | [**minimizeFrame**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#minimizeFrame(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)            This method is called when the user wants to minimize the frame. |
| protected  void | [**replacePane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#replacePane(javax.swing.JComponent,%20javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) currentPane, [JComponent](http://docs.google.com/javax/swing/JComponent.html) newPane)            Installs necessary mouse handlers on newPane and adds it to the frame. |
| void | [**setEastPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setEastPane(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  void | [**setKeyBindingActive**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setKeyBindingActive(boolean))(boolean b) |
| protected  void | [**setKeyBindingRegistered**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setKeyBindingRegistered(boolean))(boolean b) |
| void | [**setNorthPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setNorthPane(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| void | [**setSouthPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setSouthPane(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  void | [**setupMenuCloseKey**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setupMenuCloseKey())() |
| protected  void | [**setupMenuOpenKey**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setupMenuOpenKey())() |
| void | [**setWestPane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#setWestPane(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  void | [**uninstallComponents**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#uninstallComponents())() |
| protected  void | [**uninstallDefaults**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#uninstallDefaults())() |
| protected  void | [**uninstallKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#uninstallKeyboardActions())() |
| protected  void | [**uninstallListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#uninstallListeners())() |
| void | [**uninstallUI**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#uninstallUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Reverses configuration which was done on the specified component during installUI. |

| **Methods inherited from class javax.swing.plaf.**[**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html) |
| --- |
| [contains](http://docs.google.com/javax/swing/plaf/ComponentUI.html#contains(javax.swing.JComponent,%20int,%20int)), [getAccessibleChild](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getAccessibleChild(javax.swing.JComponent,%20int)), [getAccessibleChildrenCount](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getAccessibleChildrenCount(javax.swing.JComponent)), [getBaseline](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getBaseline(javax.swing.JComponent,%20int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getBaselineResizeBehavior(javax.swing.JComponent)), [paint](http://docs.google.com/javax/swing/plaf/ComponentUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)), [update](http://docs.google.com/javax/swing/plaf/ComponentUI.html#update(java.awt.Graphics,%20javax.swing.JComponent)) |

| **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)) |

| **Field Detail** |
| --- |

### frame

protected [JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) **frame**

### borderListener

protected [MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html) **borderListener**

### propertyChangeListener

protected [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **propertyChangeListener**

### internalFrameLayout

protected [LayoutManager](http://docs.google.com/java/awt/LayoutManager.html) **internalFrameLayout**

### componentListener

protected [ComponentListener](http://docs.google.com/java/awt/event/ComponentListener.html) **componentListener**

### glassPaneDispatcher

protected [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) **glassPaneDispatcher**

### northPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **northPane**

### southPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **southPane**

### westPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **westPane**

### eastPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **eastPane**

### titlePane

protected [BasicInternalFrameTitlePane](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html) **titlePane**

### openMenuKey

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
protected [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) **openMenuKey**

**Deprecated.** *As of Java 2 platform v1.3.*As of Java 2 platform v1.3 this previously undocumented field is no longer used. Key bindings are now defined by the LookAndFeel, please refer to the key bindings specification for further details.

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

### BasicInternalFrameUI

public **BasicInternalFrameUI**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) b)

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

### createUI

public static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **createUI**([JComponent](http://docs.google.com/javax/swing/JComponent.html) b)

### installUI

public void **installUI**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#installUI(javax.swing.JComponent)) Configures the specified component appropriate for the look and feel. This method is invoked when the ComponentUI instance is being installed as the UI delegate on the specified component. This method should completely configure the component for the look and feel, including the following:

1. Install any default property values for color, fonts, borders, icons, opacity, etc. on the component. Whenever possible, property values initialized by the client program should *not* be overridden.
2. Install a LayoutManager on the component if necessary.
3. Create/add any required sub-components to the component.
4. Create/install event listeners on the component.
5. Create/install a PropertyChangeListener on the component in order to detect and respond to component property changes appropriately.
6. Install keyboard UI (mnemonics, traversal, etc.) on the component.
7. Initialize any appropriate instance data.

**Overrides:**[installUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#installUI(javax.swing.JComponent)) in class [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **Parameters:**c - the component where this UI delegate is being installed**See Also:**[ComponentUI.uninstallUI(javax.swing.JComponent)](http://docs.google.com/javax/swing/plaf/ComponentUI.html#uninstallUI(javax.swing.JComponent)), [JComponent.setUI(javax.swing.plaf.ComponentUI)](http://docs.google.com/javax/swing/JComponent.html#setUI(javax.swing.plaf.ComponentUI)), [JComponent.updateUI()](http://docs.google.com/javax/swing/JComponent.html#updateUI())

### uninstallUI

public void **uninstallUI**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#uninstallUI(javax.swing.JComponent)) Reverses configuration which was done on the specified component during installUI. This method is invoked when this UIComponent instance is being removed as the UI delegate for the specified component. This method should undo the configuration performed in installUI, being careful to leave the JComponent instance in a clean state (no extraneous listeners, look-and-feel-specific property objects, etc.). This should include the following:

1. Remove any UI-set borders from the component.
2. Remove any UI-set layout managers on the component.
3. Remove any UI-added sub-components from the component.
4. Remove any UI-added event/property listeners from the component.
5. Remove any UI-installed keyboard UI from the component.
6. Nullify any allocated instance data objects to allow for GC.

**Overrides:**[uninstallUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#uninstallUI(javax.swing.JComponent)) in class [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **Parameters:**c - the component from which this UI delegate is being removed; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components**See Also:**[ComponentUI.installUI(javax.swing.JComponent)](http://docs.google.com/javax/swing/plaf/ComponentUI.html#installUI(javax.swing.JComponent)), [JComponent.updateUI()](http://docs.google.com/javax/swing/JComponent.html#updateUI())

### installDefaults

protected void **installDefaults**()

### installKeyboardActions

protected void **installKeyboardActions**()

### installComponents

protected void **installComponents**()

### installListeners

protected void **installListeners**()

**Since:** 1.3

### uninstallDefaults

protected void **uninstallDefaults**()

### uninstallComponents

protected void **uninstallComponents**()

### uninstallListeners

protected void **uninstallListeners**()

**Since:** 1.3

### uninstallKeyboardActions

protected void **uninstallKeyboardActions**()

### createLayoutManager

protected [LayoutManager](http://docs.google.com/java/awt/LayoutManager.html) **createLayoutManager**()

### createPropertyChangeListener

protected [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **createPropertyChangeListener**()

### getPreferredSize

public [Dimension](http://docs.google.com/java/awt/Dimension.html) **getPreferredSize**([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getPreferredSize(javax.swing.JComponent)) Returns the specified component's preferred size appropriate for the look and feel. If null is returned, the preferred size will be calculated by the component's layout manager instead (this is the preferred approach for any component with a specific layout manager installed). The default implementation of this method returns null.

**Overrides:**[getPreferredSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getPreferredSize(javax.swing.JComponent)) in class [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **Parameters:**x - the component whose preferred size is being queried; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components**See Also:**[JComponent.getPreferredSize()](http://docs.google.com/javax/swing/JComponent.html#getPreferredSize()), [LayoutManager.preferredLayoutSize(java.awt.Container)](http://docs.google.com/java/awt/LayoutManager.html#preferredLayoutSize(java.awt.Container))

### getMinimumSize

public [Dimension](http://docs.google.com/java/awt/Dimension.html) **getMinimumSize**([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMinimumSize(javax.swing.JComponent)) Returns the specified component's minimum size appropriate for the look and feel. If null is returned, the minimum size will be calculated by the component's layout manager instead (this is the preferred approach for any component with a specific layout manager installed). The default implementation of this method invokes getPreferredSize and returns that value.

**Overrides:**[getMinimumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMinimumSize(javax.swing.JComponent)) in class [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **Parameters:**x - the component whose minimum size is being queried; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components **Returns:**a Dimension object or null**See Also:**[JComponent.getMinimumSize()](http://docs.google.com/javax/swing/JComponent.html#getMinimumSize()), [LayoutManager.minimumLayoutSize(java.awt.Container)](http://docs.google.com/java/awt/LayoutManager.html#minimumLayoutSize(java.awt.Container)), [ComponentUI.getPreferredSize(javax.swing.JComponent)](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getPreferredSize(javax.swing.JComponent))

### getMaximumSize

public [Dimension](http://docs.google.com/java/awt/Dimension.html) **getMaximumSize**([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMaximumSize(javax.swing.JComponent)) Returns the specified component's maximum size appropriate for the look and feel. If null is returned, the maximum size will be calculated by the component's layout manager instead (this is the preferred approach for any component with a specific layout manager installed). The default implementation of this method invokes getPreferredSize and returns that value.

**Overrides:**[getMaximumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMaximumSize(javax.swing.JComponent)) in class [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **Parameters:**x - the component whose maximum size is being queried; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components **Returns:**a Dimension object or null**See Also:**[JComponent.getMaximumSize()](http://docs.google.com/javax/swing/JComponent.html#getMaximumSize()), [LayoutManager2.maximumLayoutSize(java.awt.Container)](http://docs.google.com/java/awt/LayoutManager2.html#maximumLayoutSize(java.awt.Container))

### replacePane

protected void **replacePane**([JComponent](http://docs.google.com/javax/swing/JComponent.html) currentPane,  
 [JComponent](http://docs.google.com/javax/swing/JComponent.html) newPane)

Installs necessary mouse handlers on newPane and adds it to the frame. Reverse process for the currentPane.

### deinstallMouseHandlers

protected void **deinstallMouseHandlers**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### installMouseHandlers

protected void **installMouseHandlers**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### createNorthPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **createNorthPane**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w)

### createSouthPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **createSouthPane**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w)

### createWestPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **createWestPane**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w)

### createEastPane

protected [JComponent](http://docs.google.com/javax/swing/JComponent.html) **createEastPane**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w)

### createBorderListener

protected [MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html) **createBorderListener**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) w)

### createInternalFrameListener

protected void **createInternalFrameListener**()

### isKeyBindingRegistered

protected final boolean **isKeyBindingRegistered**()

### setKeyBindingRegistered

protected final void **setKeyBindingRegistered**(boolean b)

### isKeyBindingActive

public final boolean **isKeyBindingActive**()

### setKeyBindingActive

protected final void **setKeyBindingActive**(boolean b)

### setupMenuOpenKey

protected void **setupMenuOpenKey**()

### setupMenuCloseKey

protected void **setupMenuCloseKey**()

### getNorthPane

public [JComponent](http://docs.google.com/javax/swing/JComponent.html) **getNorthPane**()

### setNorthPane

public void **setNorthPane**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### getSouthPane

public [JComponent](http://docs.google.com/javax/swing/JComponent.html) **getSouthPane**()

### setSouthPane

public void **setSouthPane**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### getWestPane

public [JComponent](http://docs.google.com/javax/swing/JComponent.html) **getWestPane**()

### setWestPane

public void **setWestPane**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### getEastPane

public [JComponent](http://docs.google.com/javax/swing/JComponent.html) **getEastPane**()

### setEastPane

public void **setEastPane**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### getDesktopManager

protected [DesktopManager](http://docs.google.com/javax/swing/DesktopManager.html) **getDesktopManager**()

Returns the proper DesktopManager. Calls getDesktopPane() to find the JDesktop component and returns the desktopManager from it. If this fails, it will return a default DesktopManager that should work in arbitrary parents.

### createDesktopManager

protected [DesktopManager](http://docs.google.com/javax/swing/DesktopManager.html) **createDesktopManager**()

### closeFrame

protected void **closeFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the user wants to close the frame. The playCloseSound Action is fired. This action is delegated to the desktopManager.

### maximizeFrame

protected void **maximizeFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the user wants to maximize the frame. The playMaximizeSound Action is fired. This action is delegated to the desktopManager.

### minimizeFrame

protected void **minimizeFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the user wants to minimize the frame. The playRestoreDownSound Action is fired. This action is delegated to the desktopManager.

### iconifyFrame

protected void **iconifyFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the user wants to iconify the frame. The playMinimizeSound Action is fired. This action is delegated to the desktopManager.

### deiconifyFrame

protected void **deiconifyFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the user wants to deiconify the frame. The playRestoreUpSound Action is fired. This action is delegated to the desktopManager.

### activateFrame

protected void **activateFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the frame becomes selected. This action is delegated to the desktopManager.

### deactivateFrame

protected void **deactivateFrame**([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) f)

This method is called when the frame is no longer selected. This action is delegated to the desktopManager.

### createComponentListener

protected [ComponentListener](http://docs.google.com/java/awt/event/ComponentListener.html) **createComponentListener**()

### createGlassPaneDispatcher

protected [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) **createGlassPaneDispatcher**()

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicInternalFrameUI.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/plaf/basic/BasicInternalFrameTitlePane.TitlePaneLayout.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.BasicInternalFrameListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicInternalFrameUI.html)    [**NO FRAMES**](http://docs.google.com/BasicInternalFrameUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#2xcytpi) | [METHOD](#3whwml4) |

[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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