| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MetalRootPaneUI.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/metal/MetalRadioButtonUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/metal/MetalScrollBarUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/metal/MetalRootPaneUI.html)    [**NO FRAMES**](http://docs.google.com/MetalRootPaneUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

## **javax.swing.plaf.metal**

Class MetalRootPaneUI

[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.RootPaneUI](http://docs.google.com/javax/swing/plaf/RootPaneUI.html)  
 [javax.swing.plaf.basic.BasicRootPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html)  
 **javax.swing.plaf.metal.MetalRootPaneUI**

**All Implemented Interfaces:** [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html), [EventListener](http://docs.google.com/java/util/EventListener.html)

public class **MetalRootPaneUI**extends [BasicRootPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html)

Provides the metal look and feel implementation of RootPaneUI.

MetalRootPaneUI provides support for the windowDecorationStyle property of JRootPane. MetalRootPaneUI does this by way of installing a custom LayoutManager, a private Component to render the appropriate widgets, and a private Border. The LayoutManager is always installed, regardless of the value of the windowDecorationStyle property, but the Border and Component are only installed/added if the windowDecorationStyle is other than JRootPane.NONE.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

**Since:** 1.4

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

| **Method Summary** | |
| --- | --- |
| static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | [**createUI**](http://docs.google.com/javax/swing/plaf/metal/MetalRootPaneUI.html#createUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Creates a UI for a JRootPane. |
| void | [**installUI**](http://docs.google.com/javax/swing/plaf/metal/MetalRootPaneUI.html#installUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Invokes supers implementation of installUI to install the necessary state onto the passed in JRootPane to render the metal look and feel implementation of RootPaneUI. |
| void | [**propertyChange**](http://docs.google.com/javax/swing/plaf/metal/MetalRootPaneUI.html#propertyChange(java.beans.PropertyChangeEvent))([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)            Invoked when a property changes. |
| void | [**uninstallUI**](http://docs.google.com/javax/swing/plaf/metal/MetalRootPaneUI.html#uninstallUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Invokes supers implementation to uninstall any of its state. |

| **Methods inherited from class javax.swing.plaf.basic.**[**BasicRootPaneUI**](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html) |
| --- |
| [installComponents](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#installComponents(javax.swing.JRootPane)), [installDefaults](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#installDefaults(javax.swing.JRootPane)), [installKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#installKeyboardActions(javax.swing.JRootPane)), [installListeners](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#installListeners(javax.swing.JRootPane)), [uninstallComponents](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#uninstallComponents(javax.swing.JRootPane)), [uninstallDefaults](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#uninstallDefaults(javax.swing.JRootPane)), [uninstallKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#uninstallKeyboardActions(javax.swing.JRootPane)), [uninstallListeners](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#uninstallListeners(javax.swing.JRootPane)) |

| **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)), [getMaximumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMaximumSize(javax.swing.JComponent)), [getMinimumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMinimumSize(javax.swing.JComponent)), [getPreferredSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getPreferredSize(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)) |

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

### MetalRootPaneUI

public **MetalRootPaneUI**()

| **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) c)

Creates a UI for a JRootPane.

**Parameters:**c - the JRootPane the RootPaneUI will be created for **Returns:**the RootPaneUI implementation for the passed in JRootPane

### installUI

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

Invokes supers implementation of installUI to install the necessary state onto the passed in JRootPane to render the metal look and feel implementation of RootPaneUI. If the windowDecorationStyle property of the JRootPane is other than JRootPane.NONE, this will add a custom Component to render the widgets to JRootPane, as well as installing a custom Border and LayoutManager on the JRootPane.

**Overrides:**[installUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#installUI(javax.swing.JComponent)) in class [BasicRootPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html) **Parameters:**c - the JRootPane to install state onto**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)

Invokes supers implementation to uninstall any of its state. This will also reset the LayoutManager of the JRootPane. If a Component has been added to the JRootPane to render the window decoration style, this method will remove it. Similarly, this will revert the Border and LayoutManager of the JRootPane to what it was before installUI was invoked.

**Overrides:**[uninstallUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#uninstallUI(javax.swing.JComponent)) in class [BasicRootPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html) **Parameters:**c - the JRootPane to uninstall state from**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())

### propertyChange

public void **propertyChange**([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)

Invoked when a property changes. MetalRootPaneUI is primarily interested in events originating from the JRootPane it has been installed on identifying the property windowDecorationStyle. If the windowDecorationStyle has changed to a value other than JRootPane.NONE, this will add a Component to the JRootPane to render the window decorations, as well as installing a Border on the JRootPane. On the other hand, if the windowDecorationStyle has changed to JRootPane.NONE, this will remove the Component that has been added to the JRootPane as well resetting the Border to what it was before installUI was invoked.

**Specified by:**[propertyChange](http://docs.google.com/java/beans/PropertyChangeListener.html#propertyChange(java.beans.PropertyChangeEvent)) in interface [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)**Overrides:**[propertyChange](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html#propertyChange(java.beans.PropertyChangeEvent)) in class [BasicRootPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html) **Parameters:**e - A PropertyChangeEvent object describing the event source and the property that has changed.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MetalRootPaneUI.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/metal/MetalRadioButtonUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/metal/MetalScrollBarUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/metal/MetalRootPaneUI.html)    [**NO FRAMES**](http://docs.google.com/MetalRootPaneUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

[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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