| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MetalTabbedPaneUI.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/MetalSplitPaneUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.TabbedPaneLayout.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/metal/MetalTabbedPaneUI.html)    [**NO FRAMES**](http://docs.google.com/MetalTabbedPaneUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#tyjcwt) | [CONSTR](#4d34og8) | [METHOD](#2s8eyo1) | DETAIL: [FIELD](#lnxbz9) | [CONSTR](#z337ya) | [METHOD](#1y810tw) |

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

Class MetalTabbedPaneUI

[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.TabbedPaneUI](http://docs.google.com/javax/swing/plaf/TabbedPaneUI.html)  
 [javax.swing.plaf.basic.BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)  
 **javax.swing.plaf.metal.MetalTabbedPaneUI**

**All Implemented Interfaces:** [SwingConstants](http://docs.google.com/javax/swing/SwingConstants.html)

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

The Metal subclass of BasicTabbedPaneUI.

**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).

| **Nested Class Summary** | |
| --- | --- |
| class | [**MetalTabbedPaneUI.TabbedPaneLayout**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.TabbedPaneLayout.html)            This inner class is marked "public" due to a compiler bug. |

| **Nested classes/interfaces inherited from class javax.swing.plaf.basic.**[**BasicTabbedPaneUI**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html) |
| --- |
| [BasicTabbedPaneUI.FocusHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.FocusHandler.html), [BasicTabbedPaneUI.MouseHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.MouseHandler.html), [BasicTabbedPaneUI.PropertyChangeHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.PropertyChangeHandler.html), [BasicTabbedPaneUI.TabSelectionHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.TabSelectionHandler.html) |

| **Field Summary** | |
| --- | --- |
| protected  int | [**minTabWidth**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#minTabWidth) |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**selectColor**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#selectColor) |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**selectHighlight**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#selectHighlight) |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**tabAreaBackground**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#tabAreaBackground) |

| **Fields inherited from class javax.swing.plaf.basic.**[**BasicTabbedPaneUI**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html) |
| --- |
| [calcRect](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calcRect), [contentBorderInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#contentBorderInsets), [darkShadow](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#darkShadow), [downKey](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#downKey), [focus](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#focus), [focusListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#focusListener), [highlight](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#highlight), [leftKey](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#leftKey), [lightHighlight](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#lightHighlight), [maxTabHeight](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#maxTabHeight), [maxTabWidth](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#maxTabWidth), [mouseListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#mouseListener), [propertyChangeListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#propertyChangeListener), [rects](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#rects), [rightKey](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#rightKey), [runCount](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#runCount), [selectedRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectedRun), [selectedTabPadInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectedTabPadInsets), [shadow](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#shadow), [tabAreaInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabAreaInsets), [tabChangeListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabChangeListener), [tabInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabInsets), [tabPane](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabPane), [tabRunOverlay](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabRunOverlay), [tabRuns](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabRuns), [textIconGap](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#textIconGap), [upKey](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#upKey) |

| **Fields inherited from interface javax.swing.**[**SwingConstants**](http://docs.google.com/javax/swing/SwingConstants.html) |
| --- |
| [BOTTOM](http://docs.google.com/javax/swing/SwingConstants.html#BOTTOM), [CENTER](http://docs.google.com/javax/swing/SwingConstants.html#CENTER), [EAST](http://docs.google.com/javax/swing/SwingConstants.html#EAST), [HORIZONTAL](http://docs.google.com/javax/swing/SwingConstants.html#HORIZONTAL), [LEADING](http://docs.google.com/javax/swing/SwingConstants.html#LEADING), [LEFT](http://docs.google.com/javax/swing/SwingConstants.html#LEFT), [NEXT](http://docs.google.com/javax/swing/SwingConstants.html#NEXT), [NORTH](http://docs.google.com/javax/swing/SwingConstants.html#NORTH), [NORTH\_EAST](http://docs.google.com/javax/swing/SwingConstants.html#NORTH_EAST), [NORTH\_WEST](http://docs.google.com/javax/swing/SwingConstants.html#NORTH_WEST), [PREVIOUS](http://docs.google.com/javax/swing/SwingConstants.html#PREVIOUS), [RIGHT](http://docs.google.com/javax/swing/SwingConstants.html#RIGHT), [SOUTH](http://docs.google.com/javax/swing/SwingConstants.html#SOUTH), [SOUTH\_EAST](http://docs.google.com/javax/swing/SwingConstants.html#SOUTH_EAST), [SOUTH\_WEST](http://docs.google.com/javax/swing/SwingConstants.html#SOUTH_WEST), [TOP](http://docs.google.com/javax/swing/SwingConstants.html#TOP), [TRAILING](http://docs.google.com/javax/swing/SwingConstants.html#TRAILING), [VERTICAL](http://docs.google.com/javax/swing/SwingConstants.html#VERTICAL), [WEST](http://docs.google.com/javax/swing/SwingConstants.html#WEST) |

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

| **Method Summary** | |
| --- | --- |
| protected  int | [**calculateMaxTabHeight**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#calculateMaxTabHeight(int))(int tabPlacement) |
| protected  [LayoutManager](http://docs.google.com/java/awt/LayoutManager.html) | [**createLayoutManager**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#createLayoutManager())()            Invoked by installUI to create a layout manager object to manage the JTabbedPane. |
| static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | [**createUI**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#createUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) x) |
| protected  int | [**getBaselineOffset**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#getBaselineOffset())()            Returns the amount the baseline is offset by. |
| protected  [Color](http://docs.google.com/java/awt/Color.html) | [**getColorForGap**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#getColorForGap(int,%20int,%20int))(int currentRun, int x, int y) |
| protected  int | [**getTabLabelShiftX**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#getTabLabelShiftX(int,%20int,%20boolean))(int tabPlacement, int tabIndex, boolean isSelected)            Overridden to do nothing for the Java L&F. |
| protected  int | [**getTabLabelShiftY**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#getTabLabelShiftY(int,%20int,%20boolean))(int tabPlacement, int tabIndex, boolean isSelected)            Overridden to do nothing for the Java L&F. |
| protected  int | [**getTabRunOverlay**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#getTabRunOverlay(int))(int tabPlacement) |
| protected  void | [**installDefaults**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#installDefaults())() |
| void | [**paint**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Paints the specified component appropriate for the look and feel. |
| protected  void | [**paintBottomTabBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintBottomTabBorder(int,%20java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean))(int tabIndex, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h, int btm, int rght, boolean isSelected) |
| protected  void | [**paintContentBorderBottomEdge**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintContentBorderBottomEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int selectedIndex, int x, int y, int w, int h) |
| protected  void | [**paintContentBorderLeftEdge**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintContentBorderLeftEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int selectedIndex, int x, int y, int w, int h) |
| protected  void | [**paintContentBorderRightEdge**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintContentBorderRightEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int selectedIndex, int x, int y, int w, int h) |
| protected  void | [**paintContentBorderTopEdge**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintContentBorderTopEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int selectedIndex, int x, int y, int w, int h) |
| protected  void | [**paintFocusIndicator**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintFocusIndicator(java.awt.Graphics,%20int,%20java.awt.Rectangle%5B%5D,%20int,%20java.awt.Rectangle,%20java.awt.Rectangle,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, [Rectangle](http://docs.google.com/java/awt/Rectangle.html)[] rects, int tabIndex, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconRect, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textRect, boolean isSelected) |
| protected  void | [**paintHighlightBelowTab**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintHighlightBelowTab())() |
| protected  void | [**paintLeftTabBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintLeftTabBorder(int,%20java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean))(int tabIndex, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h, int btm, int rght, boolean isSelected) |
| protected  void | [**paintRightTabBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintRightTabBorder(int,%20java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean))(int tabIndex, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h, int btm, int rght, boolean isSelected) |
| protected  void | [**paintTabBackground**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintTabBackground(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int tabIndex, int x, int y, int w, int h, boolean isSelected) |
| protected  void | [**paintTabBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintTabBorder(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int tabPlacement, int tabIndex, int x, int y, int w, int h, boolean isSelected)            this function draws the border around each tab note that this function does now draw the background of the tab. |
| protected  void | [**paintTopTabBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#paintTopTabBorder(int,%20java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean))(int tabIndex, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h, int btm, int rght, boolean isSelected) |
| protected  boolean | [**shouldFillGap**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#shouldFillGap(int,%20int,%20int,%20int))(int currentRun, int tabIndex, int x, int y) |
| protected  boolean | [**shouldPadTabRun**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#shouldPadTabRun(int,%20int))(int tabPlacement, int run) |
| protected  boolean | [**shouldRotateTabRuns**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#shouldRotateTabRuns(int,%20int))(int tabPlacement, int selectedRun) |
| void | [**update**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.html#update(java.awt.Graphics,%20javax.swing.JComponent))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Notifies this UI delegate that it's time to paint the specified component. |

| **Methods inherited from class javax.swing.plaf.basic.**[**BasicTabbedPaneUI**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html) |
| --- |
| [assureRectsCreated](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#assureRectsCreated(int)), [calculateMaxTabWidth](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calculateMaxTabWidth(int)), [calculateTabAreaHeight](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calculateTabAreaHeight(int,%20int,%20int)), [calculateTabAreaWidth](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calculateTabAreaWidth(int,%20int,%20int)), [calculateTabHeight](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calculateTabHeight(int,%20int,%20int)), [calculateTabWidth](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calculateTabWidth(int,%20int,%20java.awt.FontMetrics)), [createChangeListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createChangeListener()), [createFocusListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createFocusListener()), [createMouseListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createMouseListener()), [createPropertyChangeListener](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createPropertyChangeListener()), [createScrollButton](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createScrollButton(int)), [expandTabRunsArray](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#expandTabRunsArray()), [getBaseline](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getBaseline(int)), [getBaseline](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getBaseline(javax.swing.JComponent,%20int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getBaselineResizeBehavior(javax.swing.JComponent)), [getContentBorderInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getContentBorderInsets(int)), [getFocusIndex](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getFocusIndex()), [getFontMetrics](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getFontMetrics()), [getIconForTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getIconForTab(int)), [getMaximumSize](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getMaximumSize(javax.swing.JComponent)), [getMinimumSize](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getMinimumSize(javax.swing.JComponent)), [getNextTabIndex](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getNextTabIndex(int)), [getNextTabIndexInRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getNextTabIndexInRun(int,%20int)), [getNextTabRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getNextTabRun(int)), [getPreviousTabIndex](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getPreviousTabIndex(int)), [getPreviousTabIndexInRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getPreviousTabIndexInRun(int,%20int)), [getPreviousTabRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getPreviousTabRun(int)), [getRolloverTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getRolloverTab()), [getRunForTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getRunForTab(int,%20int)), [getSelectedTabPadInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getSelectedTabPadInsets(int)), [getTabAreaInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabAreaInsets(int)), [getTabBounds](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabBounds(int,%20java.awt.Rectangle)), [getTabBounds](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabBounds(javax.swing.JTabbedPane,%20int)), [getTabInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabInsets(int,%20int)), [getTabRunCount](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabRunCount(javax.swing.JTabbedPane)), [getTabRunIndent](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabRunIndent(int,%20int)), [getTabRunOffset](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabRunOffset(int,%20int,%20int,%20boolean)), [getTextViewForTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTextViewForTab(int)), [getVisibleComponent](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getVisibleComponent()), [installComponents](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#installComponents()), [installKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#installKeyboardActions()), [installListeners](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#installListeners()), [installUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#installUI(javax.swing.JComponent)), [lastTabInRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#lastTabInRun(int,%20int)), [layoutLabel](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#layoutLabel(int,%20java.awt.FontMetrics,%20int,%20java.lang.String,%20javax.swing.Icon,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle,%20boolean)), [navigateSelectedTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#navigateSelectedTab(int)), [paintContentBorder](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintContentBorder(java.awt.Graphics,%20int,%20int)), [paintIcon](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintIcon(java.awt.Graphics,%20int,%20int,%20javax.swing.Icon,%20java.awt.Rectangle,%20boolean)), [paintTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintTab(java.awt.Graphics,%20int,%20java.awt.Rectangle%5B%5D,%20int,%20java.awt.Rectangle,%20java.awt.Rectangle)), [paintTabArea](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintTabArea(java.awt.Graphics,%20int,%20int)), [paintText](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintText(java.awt.Graphics,%20int,%20java.awt.Font,%20java.awt.FontMetrics,%20int,%20java.lang.String,%20java.awt.Rectangle,%20boolean)), [rotateInsets](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#rotateInsets(java.awt.Insets,%20java.awt.Insets,%20int)), [selectAdjacentRunTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectAdjacentRunTab(int,%20int,%20int)), [selectNextTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectNextTab(int)), [selectNextTabInRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectNextTabInRun(int)), [selectPreviousTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectPreviousTab(int)), [selectPreviousTabInRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#selectPreviousTabInRun(int)), [setRolloverTab](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#setRolloverTab(int)), [setVisibleComponent](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#setVisibleComponent(java.awt.Component)), [shouldRotateTabRuns](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#shouldRotateTabRuns(int)), [tabForCoordinate](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#tabForCoordinate(javax.swing.JTabbedPane,%20int,%20int)), [uninstallComponents](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#uninstallComponents()), [uninstallDefaults](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#uninstallDefaults()), [uninstallKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#uninstallKeyboardActions()), [uninstallListeners](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#uninstallListeners()), [uninstallUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#uninstallUI(javax.swing.JComponent)) |

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

### minTabWidth

protected int **minTabWidth**

### tabAreaBackground

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

### selectColor

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

### selectHighlight

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

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

### MetalTabbedPaneUI

public **MetalTabbedPaneUI**()

| **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) x)

### createLayoutManager

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

**Description copied from class:** [**BasicTabbedPaneUI**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createLayoutManager()) Invoked by installUI to create a layout manager object to manage the JTabbedPane.

**Overrides:**[createLayoutManager](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#createLayoutManager()) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html) **Returns:**a layout manager object**See Also:**[BasicTabbedPaneUI.TabbedPaneLayout](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.TabbedPaneLayout.html), [JTabbedPane.getTabLayoutPolicy()](http://docs.google.com/javax/swing/JTabbedPane.html#getTabLayoutPolicy())

### installDefaults

protected void **installDefaults**()

**Overrides:**[installDefaults](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#installDefaults()) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### paintTabBorder

protected void **paintTabBorder**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 int tabIndex,  
 int x,  
 int y,  
 int w,  
 int h,  
 boolean isSelected)

**Description copied from class:** [**BasicTabbedPaneUI**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintTabBorder(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean)) this function draws the border around each tab note that this function does now draw the background of the tab. that is done elsewhere

**Overrides:**[paintTabBorder](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintTabBorder(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### paintTopTabBorder

protected void **paintTopTabBorder**(int tabIndex,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int w,  
 int h,  
 int btm,  
 int rght,  
 boolean isSelected)

### shouldFillGap

protected boolean **shouldFillGap**(int currentRun,  
 int tabIndex,  
 int x,  
 int y)

### getColorForGap

protected [Color](http://docs.google.com/java/awt/Color.html) **getColorForGap**(int currentRun,  
 int x,  
 int y)

### paintLeftTabBorder

protected void **paintLeftTabBorder**(int tabIndex,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int w,  
 int h,  
 int btm,  
 int rght,  
 boolean isSelected)

### paintBottomTabBorder

protected void **paintBottomTabBorder**(int tabIndex,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int w,  
 int h,  
 int btm,  
 int rght,  
 boolean isSelected)

### paintRightTabBorder

protected void **paintRightTabBorder**(int tabIndex,  
 [Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int x,  
 int y,  
 int w,  
 int h,  
 int btm,  
 int rght,  
 boolean isSelected)

### update

public void **update**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 [JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#update(java.awt.Graphics,%20javax.swing.JComponent)) Notifies this UI delegate that it's time to paint the specified component. This method is invoked by JComponent when the specified component is being painted. By default this method will fill the specified component with its background color (if its opaque property is true) and then immediately call paint. In general this method need not be overridden by subclasses; all look-and-feel rendering code should reside in the paint method.

**Overrides:**[update](http://docs.google.com/javax/swing/plaf/ComponentUI.html#update(java.awt.Graphics,%20javax.swing.JComponent)) in class [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **Parameters:**g - the Graphics context in which to paintc - the component being painted; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components**See Also:**[ComponentUI.paint(java.awt.Graphics, javax.swing.JComponent)](http://docs.google.com/javax/swing/plaf/ComponentUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)), [JComponent.paintComponent(java.awt.Graphics)](http://docs.google.com/javax/swing/JComponent.html#paintComponent(java.awt.Graphics))

### paintTabBackground

protected void **paintTabBackground**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 int tabIndex,  
 int x,  
 int y,  
 int w,  
 int h,  
 boolean isSelected)

**Overrides:**[paintTabBackground](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintTabBackground(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### getTabLabelShiftX

protected int **getTabLabelShiftX**(int tabPlacement,  
 int tabIndex,  
 boolean isSelected)

Overridden to do nothing for the Java L&F.

**Overrides:**[getTabLabelShiftX](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabLabelShiftX(int,%20int,%20boolean)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### getTabLabelShiftY

protected int **getTabLabelShiftY**(int tabPlacement,  
 int tabIndex,  
 boolean isSelected)

Overridden to do nothing for the Java L&F.

**Overrides:**[getTabLabelShiftY](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabLabelShiftY(int,%20int,%20boolean)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### getBaselineOffset

protected int **getBaselineOffset**()

Returns the amount the baseline is offset by. This is typically the same as getTabLabelShiftY.

**Overrides:**[getBaselineOffset](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getBaselineOffset()) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html) **Returns:**amount to offset the baseline by**Since:** 1.6

### paint

public void **paint**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 [JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)) Paints the specified component appropriate for the look and feel. This method is invoked from the ComponentUI.update method when the specified component is being painted. Subclasses should override this method and use the specified Graphics object to render the content of the component.

**Overrides:**[paint](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html) **Parameters:**g - the Graphics context in which to paintc - the component being painted; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components**See Also:**[ComponentUI.update(java.awt.Graphics, javax.swing.JComponent)](http://docs.google.com/javax/swing/plaf/ComponentUI.html#update(java.awt.Graphics,%20javax.swing.JComponent))

### paintHighlightBelowTab

protected void **paintHighlightBelowTab**()

### paintFocusIndicator

protected void **paintFocusIndicator**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 [Rectangle](http://docs.google.com/java/awt/Rectangle.html)[] rects,  
 int tabIndex,  
 [Rectangle](http://docs.google.com/java/awt/Rectangle.html) iconRect,  
 [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textRect,  
 boolean isSelected)

**Overrides:**[paintFocusIndicator](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintFocusIndicator(java.awt.Graphics,%20int,%20java.awt.Rectangle%5B%5D,%20int,%20java.awt.Rectangle,%20java.awt.Rectangle,%20boolean)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### paintContentBorderTopEdge

protected void **paintContentBorderTopEdge**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 int selectedIndex,  
 int x,  
 int y,  
 int w,  
 int h)

**Overrides:**[paintContentBorderTopEdge](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintContentBorderTopEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### paintContentBorderBottomEdge

protected void **paintContentBorderBottomEdge**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 int selectedIndex,  
 int x,  
 int y,  
 int w,  
 int h)

**Overrides:**[paintContentBorderBottomEdge](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintContentBorderBottomEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### paintContentBorderLeftEdge

protected void **paintContentBorderLeftEdge**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 int selectedIndex,  
 int x,  
 int y,  
 int w,  
 int h)

**Overrides:**[paintContentBorderLeftEdge](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintContentBorderLeftEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### paintContentBorderRightEdge

protected void **paintContentBorderRightEdge**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 int tabPlacement,  
 int selectedIndex,  
 int x,  
 int y,  
 int w,  
 int h)

**Overrides:**[paintContentBorderRightEdge](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#paintContentBorderRightEdge(java.awt.Graphics,%20int,%20int,%20int,%20int,%20int,%20int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### calculateMaxTabHeight

protected int **calculateMaxTabHeight**(int tabPlacement)

**Overrides:**[calculateMaxTabHeight](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#calculateMaxTabHeight(int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### getTabRunOverlay

protected int **getTabRunOverlay**(int tabPlacement)

**Overrides:**[getTabRunOverlay](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getTabRunOverlay(int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

### shouldRotateTabRuns

protected boolean **shouldRotateTabRuns**(int tabPlacement,  
 int selectedRun)

### shouldPadTabRun

protected boolean **shouldPadTabRun**(int tabPlacement,  
 int run)

**Overrides:**[shouldPadTabRun](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#shouldPadTabRun(int,%20int)) in class [BasicTabbedPaneUI](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MetalTabbedPaneUI.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/MetalSplitPaneUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/metal/MetalTabbedPaneUI.TabbedPaneLayout.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/metal/MetalTabbedPaneUI.html)    [**NO FRAMES**](http://docs.google.com/MetalTabbedPaneUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#tyjcwt) | [CONSTR](#4d34og8) | [METHOD](#2s8eyo1) | DETAIL: [FIELD](#lnxbz9) | [CONSTR](#z337ya) | [METHOD](#1y810tw) |

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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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