| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicRadioButtonUI.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/BasicRadioButtonMenuItemUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicRadioButtonUI.html)    [**NO FRAMES**](http://docs.google.com/BasicRadioButtonUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#lnxbz9) | [METHOD](#1ksv4uv) |

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

Class BasicRadioButtonUI

[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.ButtonUI](http://docs.google.com/javax/swing/plaf/ButtonUI.html)  
 [javax.swing.plaf.basic.BasicButtonUI](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html)  
 [javax.swing.plaf.basic.BasicToggleButtonUI](http://docs.google.com/javax/swing/plaf/basic/BasicToggleButtonUI.html)  
 **javax.swing.plaf.basic.BasicRadioButtonUI**

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

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

RadioButtonUI implementation for BasicRadioButtonUI

| **Field Summary** | |
| --- | --- |
| protected  [Icon](http://docs.google.com/javax/swing/Icon.html) | [**icon**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#icon) |

| **Fields inherited from class javax.swing.plaf.basic.**[**BasicButtonUI**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html) |
| --- |
| [defaultTextIconGap](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#defaultTextIconGap), [defaultTextShiftOffset](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#defaultTextShiftOffset) |

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

| **Method Summary** | |
| --- | --- |
| static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | [**createUI**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#createUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) b) |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getDefaultIcon**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#getDefaultIcon())() |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getPreferredSize**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#getPreferredSize(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            The preferred size of the radio button |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getPropertyPrefix**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#getPropertyPrefix())() |
| protected  void | [**installDefaults**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#installDefaults(javax.swing.AbstractButton))([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b) |
| void | [**paint**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.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)            paint the radio button |
| protected  void | [**paintFocus**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#paintFocus(java.awt.Graphics,%20java.awt.Rectangle,%20java.awt.Dimension))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textRect, [Dimension](http://docs.google.com/java/awt/Dimension.html) size) |
| protected  void | [**uninstallDefaults**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonUI.html#uninstallDefaults(javax.swing.AbstractButton))([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b) |

| **Methods inherited from class javax.swing.plaf.basic.**[**BasicToggleButtonUI**](http://docs.google.com/javax/swing/plaf/basic/BasicToggleButtonUI.html) |
| --- |
| [getTextShiftOffset](http://docs.google.com/javax/swing/plaf/basic/BasicToggleButtonUI.html#getTextShiftOffset()), [paintIcon](http://docs.google.com/javax/swing/plaf/basic/BasicToggleButtonUI.html#paintIcon(java.awt.Graphics,%20javax.swing.AbstractButton,%20java.awt.Rectangle)) |

| **Methods inherited from class javax.swing.plaf.basic.**[**BasicButtonUI**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html) |
| --- |
| [clearTextShiftOffset](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#clearTextShiftOffset()), [createButtonListener](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#createButtonListener(javax.swing.AbstractButton)), [getBaseline](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#getBaseline(javax.swing.JComponent,%20int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#getBaselineResizeBehavior(javax.swing.JComponent)), [getDefaultTextIconGap](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#getDefaultTextIconGap(javax.swing.AbstractButton)), [getMaximumSize](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#getMaximumSize(javax.swing.JComponent)), [getMinimumSize](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#getMinimumSize(javax.swing.JComponent)), [installKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#installKeyboardActions(javax.swing.AbstractButton)), [installListeners](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#installListeners(javax.swing.AbstractButton)), [installUI](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#installUI(javax.swing.JComponent)), [paintButtonPressed](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#paintButtonPressed(java.awt.Graphics,%20javax.swing.AbstractButton)), [paintFocus](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#paintFocus(java.awt.Graphics,%20javax.swing.AbstractButton,%20java.awt.Rectangle,%20java.awt.Rectangle,%20java.awt.Rectangle)), [paintIcon](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#paintIcon(java.awt.Graphics,%20javax.swing.JComponent,%20java.awt.Rectangle)), [paintText](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#paintText(java.awt.Graphics,%20javax.swing.AbstractButton,%20java.awt.Rectangle,%20java.lang.String)), [paintText](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#paintText(java.awt.Graphics,%20javax.swing.JComponent,%20java.awt.Rectangle,%20java.lang.String)), [setTextShiftOffset](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#setTextShiftOffset()), [uninstallKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#uninstallKeyboardActions(javax.swing.AbstractButton)), [uninstallListeners](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#uninstallListeners(javax.swing.AbstractButton)), [uninstallUI](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.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)), [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** |
| --- |

### icon

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

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

### BasicRadioButtonUI

public **BasicRadioButtonUI**()

| **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)

### getPropertyPrefix

protected [String](http://docs.google.com/java/lang/String.html) **getPropertyPrefix**()

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

### installDefaults

protected void **installDefaults**([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b)

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

### uninstallDefaults

protected void **uninstallDefaults**([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b)

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

### getDefaultIcon

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

### paint

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

paint the radio button

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

### paintFocus

protected void **paintFocus**([Graphics](http://docs.google.com/java/awt/Graphics.html) g,  
 [Rectangle](http://docs.google.com/java/awt/Rectangle.html) textRect,  
 [Dimension](http://docs.google.com/java/awt/Dimension.html) size)

### getPreferredSize

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

The preferred size of the radio button

**Overrides:**[getPreferredSize](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html#getPreferredSize(javax.swing.JComponent)) in class [BasicButtonUI](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html) **Parameters:**c - 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))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicRadioButtonUI.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/BasicRadioButtonMenuItemUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicRootPaneUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicRadioButtonUI.html)    [**NO FRAMES**](http://docs.google.com/BasicRadioButtonUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#lnxbz9) | [METHOD](#1ksv4uv) |

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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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