| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicSliderUI.TrackListener.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/BasicSliderUI.ScrollListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicSpinnerUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicSliderUI.TrackListener.html)    [**NO FRAMES**](http://docs.google.com/BasicSliderUI.TrackListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#lnxbz9) | [METHOD](#1ksv4uv) |

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

Class BasicSliderUI.TrackListener

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.awt.event.MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.html)  
 [javax.swing.event.MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html)  
 **javax.swing.plaf.basic.BasicSliderUI.TrackListener**

**All Implemented Interfaces:** [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html), [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html), [MouseWheelListener](http://docs.google.com/java/awt/event/MouseWheelListener.html), [EventListener](http://docs.google.com/java/util/EventListener.html), [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) **Enclosing class:**[BasicSliderUI](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html)

public class **BasicSliderUI.TrackListener**extends [MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html)

Track mouse movements. This class should be treated as a "protected" inner class. Instantiate it only within subclasses of .

| **Field Summary** | |
| --- | --- |
| protected  int | [**currentMouseX**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#currentMouseX) |
| protected  int | [**currentMouseY**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#currentMouseY) |
| protected  int | [**offset**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#offset) |

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

| **Method Summary** | |
| --- | --- |
| void | [**mouseDragged**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#mouseDragged(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Set the models value to the position of the top/left of the thumb relative to the origin of the track. |
| void | [**mouseMoved**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#mouseMoved(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse cursor has been moved onto a component but no buttons have been pushed. |
| void | [**mousePressed**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#mousePressed(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            If the mouse is pressed above the "thumb" component then reduce the scrollbars value by one page ("page up"), otherwise increase it by one page. |
| void | [**mouseReleased**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#mouseReleased(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button has been released on a component. |
| boolean | [**shouldScroll**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html#shouldScroll(int))(int direction) |

| **Methods inherited from class java.awt.event.**[**MouseAdapter**](http://docs.google.com/java/awt/event/MouseAdapter.html) |
| --- |
| [mouseClicked](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseClicked(java.awt.event.MouseEvent)), [mouseEntered](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseEntered(java.awt.event.MouseEvent)), [mouseExited](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseExited(java.awt.event.MouseEvent)), [mouseWheelMoved](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseWheelMoved(java.awt.event.MouseWheelEvent)) |

| **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)) |

| **Methods inherited from interface java.awt.event.**[**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html) |
| --- |
| [mouseClicked](http://docs.google.com/java/awt/event/MouseListener.html#mouseClicked(java.awt.event.MouseEvent)), [mouseEntered](http://docs.google.com/java/awt/event/MouseListener.html#mouseEntered(java.awt.event.MouseEvent)), [mouseExited](http://docs.google.com/java/awt/event/MouseListener.html#mouseExited(java.awt.event.MouseEvent)) |

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

### offset

protected transient int **offset**

### currentMouseX

protected transient int **currentMouseX**

### currentMouseY

protected transient int **currentMouseY**

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

### BasicSliderUI.TrackListener

public **BasicSliderUI.TrackListener**()

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

### mouseReleased

public void **mouseReleased**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from class:** [**MouseAdapter**](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseReleased(java.awt.event.MouseEvent)) Invoked when a mouse button has been released on a component.

**Specified by:**[mouseReleased](http://docs.google.com/java/awt/event/MouseListener.html#mouseReleased(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)**Overrides:**[mouseReleased](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseReleased(java.awt.event.MouseEvent)) in class [MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.html)

### mousePressed

public void **mousePressed**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

If the mouse is pressed above the "thumb" component then reduce the scrollbars value by one page ("page up"), otherwise increase it by one page. If there is no thumb then page up if the mouse is in the upper half of the track.

**Specified by:**[mousePressed](http://docs.google.com/java/awt/event/MouseListener.html#mousePressed(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)**Overrides:**[mousePressed](http://docs.google.com/java/awt/event/MouseAdapter.html#mousePressed(java.awt.event.MouseEvent)) in class [MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.html)

### shouldScroll

public boolean **shouldScroll**(int direction)

### mouseDragged

public void **mouseDragged**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

Set the models value to the position of the top/left of the thumb relative to the origin of the track.

**Specified by:**[mouseDragged](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseDragged(java.awt.event.MouseEvent)) in interface [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html)**Overrides:**[mouseDragged](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseDragged(java.awt.event.MouseEvent)) in class [MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.html)

### mouseMoved

public void **mouseMoved**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from class:** [**MouseAdapter**](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseMoved(java.awt.event.MouseEvent)) Invoked when the mouse cursor has been moved onto a component but no buttons have been pushed.

**Specified by:**[mouseMoved](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseMoved(java.awt.event.MouseEvent)) in interface [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html)**Overrides:**[mouseMoved](http://docs.google.com/java/awt/event/MouseAdapter.html#mouseMoved(java.awt.event.MouseEvent)) in class [MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.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/BasicSliderUI.TrackListener.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/BasicSliderUI.ScrollListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicSpinnerUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicSliderUI.TrackListener.html)    [**NO FRAMES**](http://docs.google.com/BasicSliderUI.TrackListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[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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