| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ProgressMonitor.AccessibleProgressMonitor.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/ProgressMonitor.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/ProgressMonitorInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/ProgressMonitor.AccessibleProgressMonitor.html)    [**NO FRAMES**](http://docs.google.com/ProgressMonitor.AccessibleProgressMonitor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#26in1rg) |

## **javax.swing**

Class ProgressMonitor.AccessibleProgressMonitor

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.accessibility.AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html)  
 **javax.swing.ProgressMonitor.AccessibleProgressMonitor**

**All Implemented Interfaces:** [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html), [EventListener](http://docs.google.com/java/util/EventListener.html), [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html), [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) **Enclosing class:**[ProgressMonitor](http://docs.google.com/javax/swing/ProgressMonitor.html)

protected class **ProgressMonitor.AccessibleProgressMonitor**extends [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html)implements [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html), [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html), [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)

AccessibleProgressMonitor implements accessibility support for the ProgressMonitor class.

**Since:** 1.5

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.accessibility.**[**AccessibleContext**](http://docs.google.com/javax/accessibility/AccessibleContext.html) |
| --- |
| [ACCESSIBLE\_ACTION\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_ACTION_PROPERTY), [ACCESSIBLE\_ACTIVE\_DESCENDANT\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_ACTIVE_DESCENDANT_PROPERTY), [ACCESSIBLE\_CARET\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_CARET_PROPERTY), [ACCESSIBLE\_CHILD\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_CHILD_PROPERTY), [ACCESSIBLE\_COMPONENT\_BOUNDS\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_COMPONENT_BOUNDS_CHANGED), [ACCESSIBLE\_DESCRIPTION\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_DESCRIPTION_PROPERTY), [ACCESSIBLE\_HYPERTEXT\_OFFSET](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_HYPERTEXT_OFFSET), [ACCESSIBLE\_INVALIDATE\_CHILDREN](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_INVALIDATE_CHILDREN), [ACCESSIBLE\_NAME\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_NAME_PROPERTY), [ACCESSIBLE\_SELECTION\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_SELECTION_PROPERTY), [ACCESSIBLE\_STATE\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_STATE_PROPERTY), [ACCESSIBLE\_TABLE\_CAPTION\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_CAPTION_CHANGED), [ACCESSIBLE\_TABLE\_COLUMN\_DESCRIPTION\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_COLUMN_DESCRIPTION_CHANGED), [ACCESSIBLE\_TABLE\_COLUMN\_HEADER\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_COLUMN_HEADER_CHANGED), [ACCESSIBLE\_TABLE\_MODEL\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_MODEL_CHANGED), [ACCESSIBLE\_TABLE\_ROW\_DESCRIPTION\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_ROW_DESCRIPTION_CHANGED), [ACCESSIBLE\_TABLE\_ROW\_HEADER\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_ROW_HEADER_CHANGED), [ACCESSIBLE\_TABLE\_SUMMARY\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_SUMMARY_CHANGED), [ACCESSIBLE\_TEXT\_ATTRIBUTES\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TEXT_ATTRIBUTES_CHANGED), [ACCESSIBLE\_TEXT\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TEXT_PROPERTY), [ACCESSIBLE\_VALUE\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_VALUE_PROPERTY), [ACCESSIBLE\_VISIBLE\_DATA\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_VISIBLE_DATA_PROPERTY), [accessibleDescription](http://docs.google.com/javax/accessibility/AccessibleContext.html#accessibleDescription), [accessibleName](http://docs.google.com/javax/accessibility/AccessibleContext.html#accessibleName), [accessibleParent](http://docs.google.com/javax/accessibility/AccessibleContext.html#accessibleParent) |

| **Fields inherited from interface javax.accessibility.**[**AccessibleText**](http://docs.google.com/javax/accessibility/AccessibleText.html) |
| --- |
| [CHARACTER](http://docs.google.com/javax/accessibility/AccessibleText.html#CHARACTER), [SENTENCE](http://docs.google.com/javax/accessibility/AccessibleText.html#SENTENCE), [WORD](http://docs.google.com/javax/accessibility/AccessibleText.html#WORD) |

| **Constructor Summary** | |
| --- | --- |
| protected | [**ProgressMonitor.AccessibleProgressMonitor**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#ProgressMonitor.AccessibleProgressMonitor())()            AccessibleProgressMonitor constructor |

| **Method Summary** | |
| --- | --- |
| [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) | [**getAccessibleChild**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleChild(int))(int i)            Returns the specified Accessible child of the object. |
| int | [**getAccessibleChildrenCount**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleChildrenCount())()            Returns the number of accessible children of the object. |
| [AccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleComponent.html) | [**getAccessibleComponent**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleComponent())()            Gets the AccessibleComponent associated with this object that has a graphical representation. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAccessibleDescription**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleDescription())()            Gets the accessibleDescription property of this object. |
| int | [**getAccessibleIndexInParent**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleIndexInParent())()            Gets the 0-based index of this object in its accessible parent. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAccessibleName**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleName())()            Gets the accessibleName property of this object. |
| [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) | [**getAccessibleParent**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleParent())()            Gets the Accessible parent of this object. |
| [AccessibleRole](http://docs.google.com/javax/accessibility/AccessibleRole.html) | [**getAccessibleRole**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleRole())()            Gets the role of this object. |
| [AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html) | [**getAccessibleStateSet**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleStateSet())()            Gets the state set of this object. |
| [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) | [**getAccessibleText**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleText())()            Gets the AccessibleText associated with this object presenting text on the display. |
| [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) | [**getAccessibleValue**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleValue())()            Gets the AccessibleValue associated with this object that supports a Numerical value. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAfterIndex**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAfterIndex(int,%20int))(int part, int index)            Returns the String after a given index. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAtIndex**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAtIndex(int,%20int))(int part, int index)            Returns the String at a given index. |
| [String](http://docs.google.com/java/lang/String.html) | [**getBeforeIndex**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getBeforeIndex(int,%20int))(int part, int index)            Returns the String before a given index. |
| int | [**getCaretPosition**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getCaretPosition())()            Returns the zero-based offset of the caret. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**getCharacterAttribute**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getCharacterAttribute(int))(int i)            Returns the AttributeSet for a given character at a given index |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | [**getCharacterBounds**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getCharacterBounds(int))(int i)            Determines the bounding box of the character at the given index into the string. |
| int | [**getCharCount**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getCharCount())()            Returns the number of characters (valid indicies) |
| int | [**getIndexAtPoint**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getIndexAtPoint(java.awt.Point))([Point](http://docs.google.com/java/awt/Point.html) p)            Given a point in local coordinates, return the zero-based index of the character under that Point. |
| [Locale](http://docs.google.com/java/util/Locale.html) | [**getLocale**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getLocale())()            Gets the locale of the component. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSelectedText**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getSelectedText())()            Returns the portion of the text that is selected. |
| int | [**getSelectionEnd**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getSelectionEnd())()            Returns the end offset within the selected text. |
| int | [**getSelectionStart**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getSelectionStart())()            Returns the start offset within the selected text. |
| void | [**propertyChange**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#propertyChange(java.beans.PropertyChangeEvent))([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)            This method gets called when a bound property is changed. |
| void | [**stateChanged**](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#stateChanged(javax.swing.event.ChangeEvent))([ChangeEvent](http://docs.google.com/javax/swing/event/ChangeEvent.html) e)            Invoked when the target of the listener has changed its state. |

| **Methods inherited from class javax.accessibility.**[**AccessibleContext**](http://docs.google.com/javax/accessibility/AccessibleContext.html) |
| --- |
| [addPropertyChangeListener](http://docs.google.com/javax/accessibility/AccessibleContext.html#addPropertyChangeListener(java.beans.PropertyChangeListener)), [firePropertyChange](http://docs.google.com/javax/accessibility/AccessibleContext.html#firePropertyChange(java.lang.String,%20java.lang.Object,%20java.lang.Object)), [getAccessibleAction](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleAction()), [getAccessibleEditableText](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleEditableText()), [getAccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleIcon()), [getAccessibleRelationSet](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleRelationSet()), [getAccessibleSelection](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleSelection()), [getAccessibleTable](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleTable()), [removePropertyChangeListener](http://docs.google.com/javax/accessibility/AccessibleContext.html#removePropertyChangeListener(java.beans.PropertyChangeListener)), [setAccessibleDescription](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleDescription(java.lang.String)), [setAccessibleName](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleName(java.lang.String)), [setAccessibleParent](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleParent(javax.accessibility.Accessible)) |

| **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** |
| --- |

### ProgressMonitor.AccessibleProgressMonitor

protected **ProgressMonitor.AccessibleProgressMonitor**()

AccessibleProgressMonitor constructor

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

### stateChanged

public void **stateChanged**([ChangeEvent](http://docs.google.com/javax/swing/event/ChangeEvent.html) e)

Invoked when the target of the listener has changed its state.

**Specified by:**[stateChanged](http://docs.google.com/javax/swing/event/ChangeListener.html#stateChanged(javax.swing.event.ChangeEvent)) in interface [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) **Parameters:**e - a ChangeEvent object. Must not be null. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the parameter is null.

### propertyChange

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

This method gets called when a bound property is changed.

**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) **Parameters:**e - A PropertyChangeEvent object describing the event source and the property that has changed. Must not be null. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the parameter is null.

### getAccessibleName

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

Gets the accessibleName property of this object. The accessibleName property of an object is a localized String that designates the purpose of the object. For example, the accessibleName property of a label or button might be the text of the label or button itself. In the case of an object that doesn't display its name, the accessibleName should still be set. For example, in the case of a text field used to enter the name of a city, the accessibleName for the en\_US locale could be 'city.'

**Overrides:**[getAccessibleName](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleName()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**the localized name of the object; null if this object does not have a name**See Also:**[AccessibleContext.setAccessibleName(java.lang.String)](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleName(java.lang.String))

### getAccessibleDescription

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

Gets the accessibleDescription property of this object. The accessibleDescription property of this object is a short localized phrase describing the purpose of the object. For example, in the case of a 'Cancel' button, the accessibleDescription could be 'Ignore changes and close dialog box.'

**Overrides:**[getAccessibleDescription](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleDescription()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**the localized description of the object; null if this object does not have a description**See Also:**[AccessibleContext.setAccessibleDescription(java.lang.String)](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleDescription(java.lang.String))

### getAccessibleRole

public [AccessibleRole](http://docs.google.com/javax/accessibility/AccessibleRole.html) **getAccessibleRole**()

Gets the role of this object. The role of the object is the generic purpose or use of the class of this object. For example, the role of a push button is AccessibleRole.PUSH\_BUTTON. The roles in AccessibleRole are provided so component developers can pick from a set of predefined roles. This enables assistive technologies to provide a consistent interface to various tweaked subclasses of components (e.g., use AccessibleRole.PUSH\_BUTTON for all components that act like a push button) as well as distinguish between sublasses that behave differently (e.g., AccessibleRole.CHECK\_BOX for check boxes and AccessibleRole.RADIO\_BUTTON for radio buttons).

Note that the AccessibleRole class is also extensible, so custom component developers can define their own AccessibleRole's if the set of predefined roles is inadequate.

**Specified by:**[getAccessibleRole](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleRole()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**an instance of AccessibleRole describing the role of the object**See Also:**[AccessibleRole](http://docs.google.com/javax/accessibility/AccessibleRole.html)

### getAccessibleStateSet

public [AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html) **getAccessibleStateSet**()

Gets the state set of this object. The AccessibleStateSet of an object is composed of a set of unique AccessibleStates. A change in the AccessibleStateSet of an object will cause a PropertyChangeEvent to be fired for the ACCESSIBLE\_STATE\_PROPERTY property.

**Specified by:**[getAccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleStateSet()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**an instance of AccessibleStateSet containing the current state set of the object**See Also:**[AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html), [AccessibleState](http://docs.google.com/javax/accessibility/AccessibleState.html), [AccessibleContext.addPropertyChangeListener(java.beans.PropertyChangeListener)](http://docs.google.com/javax/accessibility/AccessibleContext.html#addPropertyChangeListener(java.beans.PropertyChangeListener))

### getAccessibleParent

public [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) **getAccessibleParent**()

Gets the Accessible parent of this object.

**Overrides:**[getAccessibleParent](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleParent()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**the Accessible parent of this object; null if this object does not have an Accessible parent

### getAccessibleIndexInParent

public int **getAccessibleIndexInParent**()

Gets the 0-based index of this object in its accessible parent.

**Specified by:**[getAccessibleIndexInParent](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleIndexInParent()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**the 0-based index of this object in its parent; -1 if this object does not have an accessible parent.**See Also:**[getAccessibleParent()](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleParent()), [getAccessibleChildrenCount()](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleChildrenCount()), [getAccessibleChild(int)](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleChild(int))

### getAccessibleChildrenCount

public int **getAccessibleChildrenCount**()

Returns the number of accessible children of the object.

**Specified by:**[getAccessibleChildrenCount](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleChildrenCount()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**the number of accessible children of the object.

### getAccessibleChild

public [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) **getAccessibleChild**(int i)

Returns the specified Accessible child of the object. The Accessible children of an Accessible object are zero-based, so the first child of an Accessible child is at index 0, the second child is at index 1, and so on.

**Specified by:**[getAccessibleChild](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleChild(int)) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Parameters:**i - zero-based index of child **Returns:**the Accessible child of the object**See Also:**[getAccessibleChildrenCount()](http://docs.google.com/javax/swing/ProgressMonitor.AccessibleProgressMonitor.html#getAccessibleChildrenCount())

### getLocale

public [Locale](http://docs.google.com/java/util/Locale.html) **getLocale**()  
 throws [IllegalComponentStateException](http://docs.google.com/java/awt/IllegalComponentStateException.html)

Gets the locale of the component. If the component does not have a locale, then the locale of its parent is returned.

**Specified by:**[getLocale](http://docs.google.com/javax/accessibility/AccessibleContext.html#getLocale()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**this component's locale. If this component does not have a locale, the locale of its parent is returned. **Throws:** [IllegalComponentStateException](http://docs.google.com/java/awt/IllegalComponentStateException.html) - If the Component does not have its own locale and has not yet been added to a containment hierarchy such that the locale can be determined from the containing parent.

### getAccessibleComponent

public [AccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleComponent.html) **getAccessibleComponent**()

Gets the AccessibleComponent associated with this object that has a graphical representation.

**Overrides:**[getAccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleComponent()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**AccessibleComponent if supported by object; else return null**See Also:**[AccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleComponent.html)

### getAccessibleValue

public [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **getAccessibleValue**()

Gets the AccessibleValue associated with this object that supports a Numerical value.

**Overrides:**[getAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleValue()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**AccessibleValue if supported by object; else return null**See Also:**[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html)

### getAccessibleText

public [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **getAccessibleText**()

Gets the AccessibleText associated with this object presenting text on the display.

**Overrides:**[getAccessibleText](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleText()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**AccessibleText if supported by object; else return null**See Also:**[AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html)

### getIndexAtPoint

public int **getIndexAtPoint**([Point](http://docs.google.com/java/awt/Point.html) p)

Given a point in local coordinates, return the zero-based index of the character under that Point. If the point is invalid, this method returns -1.

**Specified by:**[getIndexAtPoint](http://docs.google.com/javax/accessibility/AccessibleText.html#getIndexAtPoint(java.awt.Point)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**p - the Point in local coordinates **Returns:**the zero-based index of the character under Point p; if Point is invalid return -1.

### getCharacterBounds

public [Rectangle](http://docs.google.com/java/awt/Rectangle.html) **getCharacterBounds**(int i)

Determines the bounding box of the character at the given index into the string. The bounds are returned in local coordinates. If the index is invalid an empty rectangle is returned.

**Specified by:**[getCharacterBounds](http://docs.google.com/javax/accessibility/AccessibleText.html#getCharacterBounds(int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**i - the index into the String **Returns:**the screen coordinates of the character's bounding box, if index is invalid return an empty rectangle.

### getCharCount

public int **getCharCount**()

Returns the number of characters (valid indicies)

**Specified by:**[getCharCount](http://docs.google.com/javax/accessibility/AccessibleText.html#getCharCount()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the number of characters

### getCaretPosition

public int **getCaretPosition**()

Returns the zero-based offset of the caret. Note: That to the right of the caret will have the same index value as the offset (the caret is between two characters).

**Specified by:**[getCaretPosition](http://docs.google.com/javax/accessibility/AccessibleText.html#getCaretPosition()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the zero-based offset of the caret.

### getAtIndex

public [String](http://docs.google.com/java/lang/String.html) **getAtIndex**(int part,  
 int index)

Returns the String at a given index.

**Specified by:**[getAtIndex](http://docs.google.com/javax/accessibility/AccessibleText.html#getAtIndex(int,%20int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**part - the CHARACTER, WORD, or SENTENCE to retrieveindex - an index within the text **Returns:**the letter, word, or sentence

### getAfterIndex

public [String](http://docs.google.com/java/lang/String.html) **getAfterIndex**(int part,  
 int index)

Returns the String after a given index.

**Specified by:**[getAfterIndex](http://docs.google.com/javax/accessibility/AccessibleText.html#getAfterIndex(int,%20int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**part - the CHARACTER, WORD, or SENTENCE to retrieveindex - an index within the text **Returns:**the letter, word, or sentence

### getBeforeIndex

public [String](http://docs.google.com/java/lang/String.html) **getBeforeIndex**(int part,  
 int index)

Returns the String before a given index.

**Specified by:**[getBeforeIndex](http://docs.google.com/javax/accessibility/AccessibleText.html#getBeforeIndex(int,%20int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**part - the CHARACTER, WORD, or SENTENCE to retrieveindex - an index within the text **Returns:**the letter, word, or sentence

### getCharacterAttribute

public [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **getCharacterAttribute**(int i)

Returns the AttributeSet for a given character at a given index

**Specified by:**[getCharacterAttribute](http://docs.google.com/javax/accessibility/AccessibleText.html#getCharacterAttribute(int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**i - the zero-based index into the text **Returns:**the AttributeSet of the character

### getSelectionStart

public int **getSelectionStart**()

Returns the start offset within the selected text. If there is no selection, but there is a caret, the start and end offsets will be the same.

**Specified by:**[getSelectionStart](http://docs.google.com/javax/accessibility/AccessibleText.html#getSelectionStart()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the index into the text of the start of the selection

### getSelectionEnd

public int **getSelectionEnd**()

Returns the end offset within the selected text. If there is no selection, but there is a caret, the start and end offsets will be the same.

**Specified by:**[getSelectionEnd](http://docs.google.com/javax/accessibility/AccessibleText.html#getSelectionEnd()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the index into teh text of the end of the selection

### getSelectedText

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

Returns the portion of the text that is selected.

**Specified by:**[getSelectedText](http://docs.google.com/javax/accessibility/AccessibleText.html#getSelectedText()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the String portion of the text that is selected

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ProgressMonitor.AccessibleProgressMonitor.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/ProgressMonitor.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/ProgressMonitorInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/ProgressMonitor.AccessibleProgressMonitor.html)    [**NO FRAMES**](http://docs.google.com/ProgressMonitor.AccessibleProgressMonitor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#26in1rg) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).