| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ImageIcon.AccessibleImageIcon.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/ImageIcon.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/InputMap.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/ImageIcon.AccessibleImageIcon.html)    [**NO FRAMES**](http://docs.google.com/ImageIcon.AccessibleImageIcon.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

## **javax.swing**

Class ImageIcon.AccessibleImageIcon

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html) **Enclosing class:**[ImageIcon](http://docs.google.com/javax/swing/ImageIcon.html)

protected class **ImageIcon.AccessibleImageIcon**extends [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html)implements [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

This class implements accessibility support for the ImageIcon class. It provides an implementation of the Java Accessibility API appropriate to image icon user-interface elements.

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

**Since:** 1.3

| **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) |

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

| **Method Summary** | |
| --- | --- |
| [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) | [**getAccessibleChild**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleChild(int))(int i)            Returns the nth Accessible child of the object. |
| int | [**getAccessibleChildrenCount**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleChildrenCount())()            Returns the number of accessible children in the object. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAccessibleIconDescription**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleIconDescription())()            Gets the description of the icon. |
| int | [**getAccessibleIconHeight**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleIconHeight())()            Gets the height of the icon. |
| int | [**getAccessibleIconWidth**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleIconWidth())()            Gets the width of the icon. |
| int | [**getAccessibleIndexInParent**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleIndexInParent())()            Gets the index of this object in its accessible parent. |
| [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) | [**getAccessibleParent**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.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/ImageIcon.AccessibleImageIcon.html#getAccessibleRole())()            Gets the role of this object. |
| [AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html) | [**getAccessibleStateSet**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getAccessibleStateSet())()            Gets the state of this object. |
| [Locale](http://docs.google.com/java/util/Locale.html) | [**getLocale**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#getLocale())()            Returns the locale of this object. |
| void | [**setAccessibleIconDescription**](http://docs.google.com/javax/swing/ImageIcon.AccessibleImageIcon.html#setAccessibleIconDescription(java.lang.String))([String](http://docs.google.com/java/lang/String.html) description)            Sets the description of the icon. |

| **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()), [getAccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleComponent()), [getAccessibleDescription](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleDescription()), [getAccessibleEditableText](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleEditableText()), [getAccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleIcon()), [getAccessibleName](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleName()), [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()), [getAccessibleText](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleText()), [getAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleValue()), [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** |
| --- |

### ImageIcon.AccessibleImageIcon

protected **ImageIcon.AccessibleImageIcon**()

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

### getAccessibleRole

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

Gets the role of this object.

**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 of this object.

**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:**[AccessibleState](http://docs.google.com/javax/accessibility/AccessibleState.html)

### getAccessibleParent

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

Gets the Accessible parent of this object. If the parent of this object implements Accessible, this method should simply return getParent().

**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 -- can be null if this object does not have an Accessible parent

### getAccessibleIndexInParent

public int **getAccessibleIndexInParent**()

Gets the 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 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/ImageIcon.AccessibleImageIcon.html#getAccessibleParent())

### getAccessibleChildrenCount

public int **getAccessibleChildrenCount**()

Returns the number of accessible children in the object. If all of the children of this object implement Accessible, than this method should return the number of children of this 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 in the object.

### getAccessibleChild

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

Returns the nth Accessible child of the object.

**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 nth Accessible child of the object**See Also:**[AccessibleContext.getAccessibleChildrenCount()](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleChildrenCount())

### getLocale

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

Returns the locale of this object.

**Specified by:**[getLocale](http://docs.google.com/javax/accessibility/AccessibleContext.html#getLocale()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**the locale of this object **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.

### getAccessibleIconDescription

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

Gets the description of the icon. This is meant to be a brief textual description of the object. For example, it might be presented to a blind user to give an indication of the purpose of the icon.

**Specified by:**[getAccessibleIconDescription](http://docs.google.com/javax/accessibility/AccessibleIcon.html#getAccessibleIconDescription()) in interface [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html) **Returns:**the description of the icon

### setAccessibleIconDescription

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

Sets the description of the icon. This is meant to be a brief textual description of the object. For example, it might be presented to a blind user to give an indication of the purpose of the icon.

**Specified by:**[setAccessibleIconDescription](http://docs.google.com/javax/accessibility/AccessibleIcon.html#setAccessibleIconDescription(java.lang.String)) in interface [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html) **Parameters:**description - the description of the icon

### getAccessibleIconHeight

public int **getAccessibleIconHeight**()

Gets the height of the icon.

**Specified by:**[getAccessibleIconHeight](http://docs.google.com/javax/accessibility/AccessibleIcon.html#getAccessibleIconHeight()) in interface [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html) **Returns:**the height of the icon

### getAccessibleIconWidth

public int **getAccessibleIconWidth**()

Gets the width of the icon.

**Specified by:**[getAccessibleIconWidth](http://docs.google.com/javax/accessibility/AccessibleIcon.html#getAccessibleIconWidth()) in interface [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html) **Returns:**the width of the icon

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ImageIcon.AccessibleImageIcon.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/ImageIcon.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/InputMap.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/ImageIcon.AccessibleImageIcon.html)    [**NO FRAMES**](http://docs.google.com/ImageIcon.AccessibleImageIcon.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

[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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