| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DefaultCellEditor.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/DefaultButtonModel.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/DefaultCellEditor.html)    [**NO FRAMES**](http://docs.google.com/DefaultCellEditor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#1ksv4uv) | [METHOD](#3j2qqm3) |

## **javax.swing**

Class DefaultCellEditor

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.AbstractCellEditor](http://docs.google.com/javax/swing/AbstractCellEditor.html)  
 **javax.swing.DefaultCellEditor**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [CellEditor](http://docs.google.com/javax/swing/CellEditor.html), [TableCellEditor](http://docs.google.com/javax/swing/table/TableCellEditor.html), [TreeCellEditor](http://docs.google.com/javax/swing/tree/TreeCellEditor.html)

public class **DefaultCellEditor**extends [AbstractCellEditor](http://docs.google.com/javax/swing/AbstractCellEditor.html)implements [TableCellEditor](http://docs.google.com/javax/swing/table/TableCellEditor.html), [TreeCellEditor](http://docs.google.com/javax/swing/tree/TreeCellEditor.html)

The default editor for table and tree cells.

**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** | |
| --- | --- |
| protected  class | [**DefaultCellEditor.EditorDelegate**](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html)            The protected EditorDelegate class. |

| **Field Summary** | |
| --- | --- |
| protected  int | [**clickCountToStart**](http://docs.google.com/javax/swing/DefaultCellEditor.html#clickCountToStart)            An integer specifying the number of clicks needed to start editing. |
| protected  [DefaultCellEditor.EditorDelegate](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html) | [**delegate**](http://docs.google.com/javax/swing/DefaultCellEditor.html#delegate)            The delegate class which handles all methods sent from the CellEditor. |
| protected  [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**editorComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#editorComponent)            The Swing component being edited. |

| **Fields inherited from class javax.swing.**[**AbstractCellEditor**](http://docs.google.com/javax/swing/AbstractCellEditor.html) |
| --- |
| [changeEvent](http://docs.google.com/javax/swing/AbstractCellEditor.html#changeEvent), [listenerList](http://docs.google.com/javax/swing/AbstractCellEditor.html#listenerList) |

| **Constructor Summary** | |
| --- | --- |
| [**DefaultCellEditor**](http://docs.google.com/javax/swing/DefaultCellEditor.html#DefaultCellEditor(javax.swing.JCheckBox))([JCheckBox](http://docs.google.com/javax/swing/JCheckBox.html) checkBox)            Constructs a DefaultCellEditor object that uses a check box. |
| [**DefaultCellEditor**](http://docs.google.com/javax/swing/DefaultCellEditor.html#DefaultCellEditor(javax.swing.JComboBox))([JComboBox](http://docs.google.com/javax/swing/JComboBox.html) comboBox)            Constructs a DefaultCellEditor object that uses a combo box. |
| [**DefaultCellEditor**](http://docs.google.com/javax/swing/DefaultCellEditor.html#DefaultCellEditor(javax.swing.JTextField))([JTextField](http://docs.google.com/javax/swing/JTextField.html) textField)            Constructs a DefaultCellEditor that uses a text field. |

| **Method Summary** | |
| --- | --- |
| void | [**cancelCellEditing**](http://docs.google.com/javax/swing/DefaultCellEditor.html#cancelCellEditing())()            Forwards the message from the CellEditor to the delegate. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getCellEditorValue**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getCellEditorValue())()            Forwards the message from the CellEditor to the delegate. |
| int | [**getClickCountToStart**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getClickCountToStart())()            Returns the number of clicks needed to start editing. |
| [Component](http://docs.google.com/java/awt/Component.html) | [**getComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getComponent())()            Returns a reference to the editor component. |
| [Component](http://docs.google.com/java/awt/Component.html) | [**getTableCellEditorComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getTableCellEditorComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20int,%20int))([JTable](http://docs.google.com/javax/swing/JTable.html) table, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, int row, int column)            Implements the TableCellEditor interface. |
| [Component](http://docs.google.com/java/awt/Component.html) | [**getTreeCellEditorComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getTreeCellEditorComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean expanded, boolean leaf, int row)            Implements the TreeCellEditor interface. |
| boolean | [**isCellEditable**](http://docs.google.com/javax/swing/DefaultCellEditor.html#isCellEditable(java.util.EventObject))([EventObject](http://docs.google.com/java/util/EventObject.html) anEvent)            Forwards the message from the CellEditor to the delegate. |
| void | [**setClickCountToStart**](http://docs.google.com/javax/swing/DefaultCellEditor.html#setClickCountToStart(int))(int count)            Specifies the number of clicks needed to start editing. |
| boolean | [**shouldSelectCell**](http://docs.google.com/javax/swing/DefaultCellEditor.html#shouldSelectCell(java.util.EventObject))([EventObject](http://docs.google.com/java/util/EventObject.html) anEvent)            Forwards the message from the CellEditor to the delegate. |
| boolean | [**stopCellEditing**](http://docs.google.com/javax/swing/DefaultCellEditor.html#stopCellEditing())()            Forwards the message from the CellEditor to the delegate. |

| **Methods inherited from class javax.swing.**[**AbstractCellEditor**](http://docs.google.com/javax/swing/AbstractCellEditor.html) |
| --- |
| [addCellEditorListener](http://docs.google.com/javax/swing/AbstractCellEditor.html#addCellEditorListener(javax.swing.event.CellEditorListener)), [fireEditingCanceled](http://docs.google.com/javax/swing/AbstractCellEditor.html#fireEditingCanceled()), [fireEditingStopped](http://docs.google.com/javax/swing/AbstractCellEditor.html#fireEditingStopped()), [getCellEditorListeners](http://docs.google.com/javax/swing/AbstractCellEditor.html#getCellEditorListeners()), [removeCellEditorListener](http://docs.google.com/javax/swing/AbstractCellEditor.html#removeCellEditorListener(javax.swing.event.CellEditorListener)) |

| **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 javax.swing.**[**CellEditor**](http://docs.google.com/javax/swing/CellEditor.html) |
| --- |
| [addCellEditorListener](http://docs.google.com/javax/swing/CellEditor.html#addCellEditorListener(javax.swing.event.CellEditorListener)), [removeCellEditorListener](http://docs.google.com/javax/swing/CellEditor.html#removeCellEditorListener(javax.swing.event.CellEditorListener)) |

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

### editorComponent

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

The Swing component being edited.

### delegate

protected [DefaultCellEditor.EditorDelegate](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html) **delegate**

The delegate class which handles all methods sent from the CellEditor.

### clickCountToStart

protected int **clickCountToStart**

An integer specifying the number of clicks needed to start editing. Even if clickCountToStart is defined as zero, it will not initiate until a click occurs.

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

### DefaultCellEditor

public **DefaultCellEditor**([JTextField](http://docs.google.com/javax/swing/JTextField.html) textField)

Constructs a DefaultCellEditor that uses a text field.

**Parameters:**textField - a JTextField object

### DefaultCellEditor

public **DefaultCellEditor**([JCheckBox](http://docs.google.com/javax/swing/JCheckBox.html) checkBox)

Constructs a DefaultCellEditor object that uses a check box.

**Parameters:**checkBox - a JCheckBox object

### DefaultCellEditor

public **DefaultCellEditor**([JComboBox](http://docs.google.com/javax/swing/JComboBox.html) comboBox)

Constructs a DefaultCellEditor object that uses a combo box.

**Parameters:**comboBox - a JComboBox object

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

### getComponent

public [Component](http://docs.google.com/java/awt/Component.html) **getComponent**()

Returns a reference to the editor component.

**Returns:**the editor Component

### setClickCountToStart

public void **setClickCountToStart**(int count)

Specifies the number of clicks needed to start editing.

**Parameters:**count - an int specifying the number of clicks needed to start editing**See Also:**[getClickCountToStart()](http://docs.google.com/javax/swing/DefaultCellEditor.html#getClickCountToStart())

### getClickCountToStart

public int **getClickCountToStart**()

Returns the number of clicks needed to start editing.

**Returns:**the number of clicks needed to start editing

### getCellEditorValue

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

Forwards the message from the CellEditor to the delegate.

**Specified by:**[getCellEditorValue](http://docs.google.com/javax/swing/CellEditor.html#getCellEditorValue()) in interface [CellEditor](http://docs.google.com/javax/swing/CellEditor.html) **Returns:**the value contained in the editor**See Also:**[DefaultCellEditor.EditorDelegate.getCellEditorValue()](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html#getCellEditorValue())

### isCellEditable

public boolean **isCellEditable**([EventObject](http://docs.google.com/java/util/EventObject.html) anEvent)

Forwards the message from the CellEditor to the delegate.

**Specified by:**[isCellEditable](http://docs.google.com/javax/swing/CellEditor.html#isCellEditable(java.util.EventObject)) in interface [CellEditor](http://docs.google.com/javax/swing/CellEditor.html)**Overrides:**[isCellEditable](http://docs.google.com/javax/swing/AbstractCellEditor.html#isCellEditable(java.util.EventObject)) in class [AbstractCellEditor](http://docs.google.com/javax/swing/AbstractCellEditor.html) **Parameters:**anEvent - an event object **Returns:**true**See Also:**[DefaultCellEditor.EditorDelegate.isCellEditable(EventObject)](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html#isCellEditable(java.util.EventObject))

### shouldSelectCell

public boolean **shouldSelectCell**([EventObject](http://docs.google.com/java/util/EventObject.html) anEvent)

Forwards the message from the CellEditor to the delegate.

**Specified by:**[shouldSelectCell](http://docs.google.com/javax/swing/CellEditor.html#shouldSelectCell(java.util.EventObject)) in interface [CellEditor](http://docs.google.com/javax/swing/CellEditor.html)**Overrides:**[shouldSelectCell](http://docs.google.com/javax/swing/AbstractCellEditor.html#shouldSelectCell(java.util.EventObject)) in class [AbstractCellEditor](http://docs.google.com/javax/swing/AbstractCellEditor.html) **Parameters:**anEvent - an event object **Returns:**true**See Also:**[DefaultCellEditor.EditorDelegate.shouldSelectCell(EventObject)](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html#shouldSelectCell(java.util.EventObject))

### stopCellEditing

public boolean **stopCellEditing**()

Forwards the message from the CellEditor to the delegate.

**Specified by:**[stopCellEditing](http://docs.google.com/javax/swing/CellEditor.html#stopCellEditing()) in interface [CellEditor](http://docs.google.com/javax/swing/CellEditor.html)**Overrides:**[stopCellEditing](http://docs.google.com/javax/swing/AbstractCellEditor.html#stopCellEditing()) in class [AbstractCellEditor](http://docs.google.com/javax/swing/AbstractCellEditor.html) **Returns:**true**See Also:**[DefaultCellEditor.EditorDelegate.stopCellEditing()](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html#stopCellEditing())

### cancelCellEditing

public void **cancelCellEditing**()

Forwards the message from the CellEditor to the delegate.

**Specified by:**[cancelCellEditing](http://docs.google.com/javax/swing/CellEditor.html#cancelCellEditing()) in interface [CellEditor](http://docs.google.com/javax/swing/CellEditor.html)**Overrides:**[cancelCellEditing](http://docs.google.com/javax/swing/AbstractCellEditor.html#cancelCellEditing()) in class [AbstractCellEditor](http://docs.google.com/javax/swing/AbstractCellEditor.html) **See Also:**[DefaultCellEditor.EditorDelegate.cancelCellEditing()](http://docs.google.com/javax/swing/DefaultCellEditor.EditorDelegate.html#cancelCellEditing())

### getTreeCellEditorComponent

public [Component](http://docs.google.com/java/awt/Component.html) **getTreeCellEditorComponent**([JTree](http://docs.google.com/javax/swing/JTree.html) tree,  
 [Object](http://docs.google.com/java/lang/Object.html) value,  
 boolean isSelected,  
 boolean expanded,  
 boolean leaf,  
 int row)

Implements the TreeCellEditor interface.

**Specified by:**[getTreeCellEditorComponent](http://docs.google.com/javax/swing/tree/TreeCellEditor.html#getTreeCellEditorComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int)) in interface [TreeCellEditor](http://docs.google.com/javax/swing/tree/TreeCellEditor.html) **Parameters:**tree - the JTree that is asking the editor to edit; this parameter can be nullvalue - the value of the cell to be editedisSelected - true if the cell is to be rendered with selection highlightingexpanded - true if the node is expandedleaf - true if the node is a leaf noderow - the row index of the node being edited **Returns:**the component for editing

### getTableCellEditorComponent

public [Component](http://docs.google.com/java/awt/Component.html) **getTableCellEditorComponent**([JTable](http://docs.google.com/javax/swing/JTable.html) table,  
 [Object](http://docs.google.com/java/lang/Object.html) value,  
 boolean isSelected,  
 int row,  
 int column)

Implements the TableCellEditor interface.

**Specified by:**[getTableCellEditorComponent](http://docs.google.com/javax/swing/table/TableCellEditor.html#getTableCellEditorComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20int,%20int)) in interface [TableCellEditor](http://docs.google.com/javax/swing/table/TableCellEditor.html) **Parameters:**table - the JTable that is asking the editor to edit; can be nullvalue - the value of the cell to be edited; it is up to the specific editor to interpret and draw the value. For example, if value is the string "true", it could be rendered as a string or it could be rendered as a check box that is checked. null is a valid valueisSelected - true if the cell is to be rendered with highlightingrow - the row of the cell being editedcolumn - the column of the cell being edited **Returns:**the component for editing

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DefaultCellEditor.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*** |
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| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#1ksv4uv) | [METHOD](#3j2qqm3) |

[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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