| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractDocument.ElementEdit.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/text/AbstractDocument.DefaultDocumentEvent.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/AbstractDocument.LeafElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/AbstractDocument.ElementEdit.html)    [**NO FRAMES**](http://docs.google.com/AbstractDocument.ElementEdit.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.text**

Class AbstractDocument.ElementEdit

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.undo.AbstractUndoableEdit](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html)  
 **javax.swing.text.AbstractDocument.ElementEdit**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html), [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) **Enclosing class:**[AbstractDocument](http://docs.google.com/javax/swing/text/AbstractDocument.html)

public static class **AbstractDocument.ElementEdit**extends [AbstractUndoableEdit](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html)implements [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html)

An implementation of ElementChange that can be added to the document event.

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

| **Fields inherited from class javax.swing.undo.**[**AbstractUndoableEdit**](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html) |
| --- |
| [RedoName](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#RedoName), [UndoName](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#UndoName) |

| **Constructor Summary** | |
| --- | --- |
| [**AbstractDocument.ElementEdit**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#AbstractDocument.ElementEdit(javax.swing.text.Element,%20int,%20javax.swing.text.Element%5B%5D,%20javax.swing.text.Element%5B%5D))([Element](http://docs.google.com/javax/swing/text/Element.html) e, int index, [Element](http://docs.google.com/javax/swing/text/Element.html)[] removed, [Element](http://docs.google.com/javax/swing/text/Element.html)[] added)            Constructs an edit record. |

| **Method Summary** | |
| --- | --- |
| [Element](http://docs.google.com/javax/swing/text/Element.html)[] | [**getChildrenAdded**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#getChildrenAdded())()            Gets a list of children that were added. |
| [Element](http://docs.google.com/javax/swing/text/Element.html)[] | [**getChildrenRemoved**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#getChildrenRemoved())()            Gets a list of children that were removed. |
| [Element](http://docs.google.com/javax/swing/text/Element.html) | [**getElement**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#getElement())()            Returns the underlying element. |
| int | [**getIndex**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#getIndex())()            Returns the index into the list of elements. |
| void | [**redo**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#redo())()            Redoes a change. |
| void | [**undo**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html#undo())()            Undoes a change. |

| **Methods inherited from class javax.swing.undo.**[**AbstractUndoableEdit**](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html) |
| --- |
| [addEdit](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#addEdit(javax.swing.undo.UndoableEdit)), [canRedo](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#canRedo()), [canUndo](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#canUndo()), [die](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#die()), [getPresentationName](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#getPresentationName()), [getRedoPresentationName](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#getRedoPresentationName()), [getUndoPresentationName](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#getUndoPresentationName()), [isSignificant](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#isSignificant()), [replaceEdit](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#replaceEdit(javax.swing.undo.UndoableEdit)), [toString](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#toString()) |

| **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()), [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** |
| --- |

### AbstractDocument.ElementEdit

public **AbstractDocument.ElementEdit**([Element](http://docs.google.com/javax/swing/text/Element.html) e,  
 int index,  
 [Element](http://docs.google.com/javax/swing/text/Element.html)[] removed,  
 [Element](http://docs.google.com/javax/swing/text/Element.html)[] added)

Constructs an edit record. This does not modify the element so it can safely be used to *catch up* a view to the current model state for views that just attached to a model.

**Parameters:**e - the elementindex - the index into the model >= 0removed - a set of elements that were removedadded - a set of elements that were added

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

### getElement

public [Element](http://docs.google.com/javax/swing/text/Element.html) **getElement**()

Returns the underlying element.

**Specified by:**[getElement](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html#getElement()) in interface [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) **Returns:**the element

### getIndex

public int **getIndex**()

Returns the index into the list of elements.

**Specified by:**[getIndex](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html#getIndex()) in interface [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) **Returns:**the index >= 0

### getChildrenRemoved

public [Element](http://docs.google.com/javax/swing/text/Element.html)[] **getChildrenRemoved**()

Gets a list of children that were removed.

**Specified by:**[getChildrenRemoved](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html#getChildrenRemoved()) in interface [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) **Returns:**the list

### getChildrenAdded

public [Element](http://docs.google.com/javax/swing/text/Element.html)[] **getChildrenAdded**()

Gets a list of children that were added.

**Specified by:**[getChildrenAdded](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html#getChildrenAdded()) in interface [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) **Returns:**the list

### redo

public void **redo**()  
 throws [CannotRedoException](http://docs.google.com/javax/swing/undo/CannotRedoException.html)

Redoes a change.

**Specified by:**[redo](http://docs.google.com/javax/swing/undo/UndoableEdit.html#redo()) in interface [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html)**Overrides:**[redo](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#redo()) in class [AbstractUndoableEdit](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html) **Throws:** [CannotRedoException](http://docs.google.com/javax/swing/undo/CannotRedoException.html) - if the change cannot be redone**See Also:**[AbstractUndoableEdit.canRedo()](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#canRedo())

### undo

public void **undo**()  
 throws [CannotUndoException](http://docs.google.com/javax/swing/undo/CannotUndoException.html)

Undoes a change.

**Specified by:**[undo](http://docs.google.com/javax/swing/undo/UndoableEdit.html#undo()) in interface [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html)**Overrides:**[undo](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#undo()) in class [AbstractUndoableEdit](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html) **Throws:** [CannotUndoException](http://docs.google.com/javax/swing/undo/CannotUndoException.html) - if the change cannot be undone**See Also:**[AbstractUndoableEdit.canUndo()](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#canUndo())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractDocument.ElementEdit.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/text/AbstractDocument.DefaultDocumentEvent.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/AbstractDocument.LeafElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/AbstractDocument.ElementEdit.html)    [**NO FRAMES**](http://docs.google.com/AbstractDocument.ElementEdit.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.

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).