| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/undo//class-useUndoableEdit.html)    [**NO FRAMES**](http://docs.google.com/UndoableEdit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.swing.undo.UndoableEdit**

| Packages that use [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| [**javax.swing.event**](#3znysh7) | Provides for events fired by Swing components. |
| [**javax.swing.text**](#2et92p0) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.undo**](#tyjcwt) | Allows developers to provide support for undo/redo in applications such as text editors. |

| Uses of [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) that return [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **UndoableEditEvent.**[**getEdit**](http://docs.google.com/javax/swing/event/UndoableEditEvent.html#getEdit())()            Returns the edit value. |

| Constructors in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) with parameters of type [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| [**UndoableEditEvent**](http://docs.google.com/javax/swing/event/UndoableEditEvent.html#UndoableEditEvent(java.lang.Object,%20javax.swing.undo.UndoableEdit))([Object](http://docs.google.com/java/lang/Object.html) source, [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) edit)            Constructs an UndoableEditEvent object. |

| Uses of [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that implement [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| class | [**AbstractDocument.DefaultDocumentEvent**](http://docs.google.com/javax/swing/text/AbstractDocument.DefaultDocumentEvent.html)            Stores document changes as the document is being modified. |
| static class | [**AbstractDocument.ElementEdit**](http://docs.google.com/javax/swing/text/AbstractDocument.ElementEdit.html)            An implementation of ElementChange that can be added to the document event. |
| static class | [**DefaultStyledDocument.AttributeUndoableEdit**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.AttributeUndoableEdit.html)            An UndoableEdit used to remember AttributeSet changes to an Element. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **StringContent.**[**insertString**](http://docs.google.com/javax/swing/text/StringContent.html#insertString(int,%20java.lang.String))(int where, [String](http://docs.google.com/java/lang/String.html) str)            Inserts a string into the content. |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **GapContent.**[**insertString**](http://docs.google.com/javax/swing/text/GapContent.html#insertString(int,%20java.lang.String))(int where, [String](http://docs.google.com/java/lang/String.html) str)            Inserts a string into the content. |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **AbstractDocument.Content.**[**insertString**](http://docs.google.com/javax/swing/text/AbstractDocument.Content.html#insertString(int,%20java.lang.String))(int where, [String](http://docs.google.com/java/lang/String.html) str)            Inserts a string of characters into the sequence. |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **StringContent.**[**remove**](http://docs.google.com/javax/swing/text/StringContent.html#remove(int,%20int))(int where, int nitems)            Removes part of the content. |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **GapContent.**[**remove**](http://docs.google.com/javax/swing/text/GapContent.html#remove(int,%20int))(int where, int nitems)            Removes part of the content. |
| [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **AbstractDocument.Content.**[**remove**](http://docs.google.com/javax/swing/text/AbstractDocument.Content.html#remove(int,%20int))(int where, int nitems)            Removes some portion of the sequence. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| boolean | **AbstractDocument.DefaultDocumentEvent.**[**addEdit**](http://docs.google.com/javax/swing/text/AbstractDocument.DefaultDocumentEvent.html#addEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            Adds a document edit. |

| Uses of [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) that implement [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| class | [**AbstractUndoableEdit**](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html)            An abstract implementation of UndoableEdit, implementing simple responses to all boolean methods in that interface. |
| class | [**CompoundEdit**](http://docs.google.com/javax/swing/undo/CompoundEdit.html)            A concrete subclass of AbstractUndoableEdit, used to assemble little UndoableEdits into great big ones. |
| class | [**StateEdit**](http://docs.google.com/javax/swing/undo/StateEdit.html)            StateEdit is a general edit for objects that change state. |
| class | [**UndoManager**](http://docs.google.com/javax/swing/undo/UndoManager.html)            UndoManager manages a list of UndoableEdits, providing a way to undo or redo the appropriate edits. |

| Fields in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) with type parameters of type [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html)> | **CompoundEdit.**[**edits**](http://docs.google.com/javax/swing/undo/CompoundEdit.html#edits)            The collection of UndoableEdits undone/redone en masse by this CompoundEdit. |

| Methods in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) that return [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| protected  [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **UndoManager.**[**editToBeRedone**](http://docs.google.com/javax/swing/undo/UndoManager.html#editToBeRedone())()            Returns the the next significant edit to be redone if redo is invoked. |
| protected  [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **UndoManager.**[**editToBeUndone**](http://docs.google.com/javax/swing/undo/UndoManager.html#editToBeUndone())()            Returns the the next significant edit to be undone if undo is invoked. |
| protected  [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **CompoundEdit.**[**lastEdit**](http://docs.google.com/javax/swing/undo/CompoundEdit.html#lastEdit())()            Returns the last UndoableEdit in edits, or null if edits is empty. |

| Methods in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) with parameters of type [UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | |
| --- | --- |
| protected  void | **UndoableEditSupport.**[**\_postEdit**](http://docs.google.com/javax/swing/undo/UndoableEditSupport.html#_postEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) e)            Called only from postEdit and endUpdate. |
| boolean | **UndoManager.**[**addEdit**](http://docs.google.com/javax/swing/undo/UndoManager.html#addEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            Adds an UndoableEdit to this UndoManager, if it's possible. |
| boolean | **CompoundEdit.**[**addEdit**](http://docs.google.com/javax/swing/undo/CompoundEdit.html#addEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            If this edit is inProgress, accepts anEdit and returns true. |
| boolean | **AbstractUndoableEdit.**[**addEdit**](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#addEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            This default implementation returns false. |
| boolean | **UndoableEdit.**[**addEdit**](http://docs.google.com/javax/swing/undo/UndoableEdit.html#addEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            Adds an UndoableEdit to this UndoableEdit. |
| void | **UndoableEditSupport.**[**postEdit**](http://docs.google.com/javax/swing/undo/UndoableEditSupport.html#postEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) e)            DEADLOCK WARNING: Calling this method may call undoableEditHappened in all listeners. |
| protected  void | **UndoManager.**[**redoTo**](http://docs.google.com/javax/swing/undo/UndoManager.html#redoTo(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) edit)            Redoes all changes from the index of the next edit to edit, updating the index of the next edit appropriately. |
| boolean | **AbstractUndoableEdit.**[**replaceEdit**](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html#replaceEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            This default implementation returns false. |
| boolean | **UndoableEdit.**[**replaceEdit**](http://docs.google.com/javax/swing/undo/UndoableEdit.html#replaceEdit(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) anEdit)            Returns true if this UndoableEdit should replace anEdit. |
| protected  void | **UndoManager.**[**undoTo**](http://docs.google.com/javax/swing/undo/UndoManager.html#undoTo(javax.swing.undo.UndoableEdit))([UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html) edit)            Undoes all changes from the index of the next edit to edit, updating the index of the next edit appropriately. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/undo//class-useUndoableEdit.html)    [**NO FRAMES**](http://docs.google.com/UndoableEdit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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