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

**Uses of Interface**

**javax.swing.event.DocumentEvent.ElementChange**

| Packages that use [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.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. |

| Uses of [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.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 [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) | |
| --- | --- |
| [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) | **DocumentEvent.**[**getChange**](http://docs.google.com/javax/swing/event/DocumentEvent.html#getChange(javax.swing.text.Element))([Element](http://docs.google.com/javax/swing/text/Element.html) elem)            Gets the change information for the given element. |

| Uses of [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.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 [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) | |
| --- | --- |
| 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. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) | |
| --- | --- |
| [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) | **AbstractDocument.DefaultDocumentEvent.**[**getChange**](http://docs.google.com/javax/swing/text/AbstractDocument.DefaultDocumentEvent.html#getChange(javax.swing.text.Element))([Element](http://docs.google.com/javax/swing/text/Element.html) elem)            Gets the changes for an element. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) | |
| --- | --- |
| protected  void | **TableView.**[**forwardUpdate**](http://docs.google.com/javax/swing/text/TableView.html#forwardUpdate(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f) |
| protected  void | **BoxView.**[**forwardUpdate**](http://docs.google.com/javax/swing/text/BoxView.html#forwardUpdate(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Forwards the given DocumentEvent to the child views that need to be notified of the change to the model. |
| protected  void | **View.**[**forwardUpdate**](http://docs.google.com/javax/swing/text/View.html#forwardUpdate(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Forwards the given DocumentEvent to the child views that need to be notified of the change to the model. |
| protected  boolean | **ZoneView.**[**updateChildren**](http://docs.google.com/javax/swing/text/ZoneView.html#updateChildren(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20javax.swing.text.ViewFactory))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            The superclass behavior will try to update the child views which is not desired in this case, since the children are zones and not directly effected by the changes to the associated element. |
| protected  boolean | **View.**[**updateChildren**](http://docs.google.com/javax/swing/text/View.html#updateChildren(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20javax.swing.text.ViewFactory))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Updates the child views in response to receiving notification that the model changed, and there is change record for the element this view is responsible for. |
| protected  void | **AsyncBoxView.**[**updateLayout**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#updateLayout(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Shape](http://docs.google.com/java/awt/Shape.html) a)            Update the layout in response to receiving notification of change from the model. |
| protected  void | **View.**[**updateLayout**](http://docs.google.com/javax/swing/text/View.html#updateLayout(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape))([DocumentEvent.ElementChange](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.html) ec, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Shape](http://docs.google.com/java/awt/Shape.html) a)            Updates the layout in response to receiving notification of change from the model. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/event/DocumentEvent.ElementChange.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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[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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