| | [**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.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.html)    [**NO FRAMES**](http://docs.google.com/DocumentEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.swing.event.DocumentEvent**

| Packages that use [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.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.text.html**](#tyjcwt) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |

| Uses of [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.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) with parameters of type [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) | |
| --- | --- |
| void | **DocumentListener.**[**changedUpdate**](http://docs.google.com/javax/swing/event/DocumentListener.html#changedUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Gives notification that an attribute or set of attributes changed. |
| void | **DocumentListener.**[**insertUpdate**](http://docs.google.com/javax/swing/event/DocumentListener.html#insertUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Gives notification that there was an insert into the document. |
| void | **DocumentListener.**[**removeUpdate**](http://docs.google.com/javax/swing/event/DocumentListener.html#removeUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Gives notification that a portion of the document has been removed. |

| Uses of [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.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](http://docs.google.com/javax/swing/event/DocumentEvent.html) | |
| --- | --- |
| class | [**AbstractDocument.DefaultDocumentEvent**](http://docs.google.com/javax/swing/text/AbstractDocument.DefaultDocumentEvent.html)            Stores document changes as the document is being modified. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) | |
| --- | --- |
| void | **JTextComponent.AccessibleJTextComponent.**[**changedUpdate**](http://docs.google.com/javax/swing/text/JTextComponent.AccessibleJTextComponent.html#changedUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Handles document remove (fire appropriate property change event, which is AccessibleContext.ACCESSIBLE\_TEXT\_PROPERTY). |
| void | **WrappedPlainView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/WrappedPlainView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **PlainView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/PlainView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **FlowView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/FlowView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **ParagraphView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/ParagraphView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **LabelView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/LabelView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **GlyphView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/GlyphView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **View.**[**changedUpdate**](http://docs.google.com/javax/swing/text/View.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| void | **FlowView.FlowStrategy.**[**changedUpdate**](http://docs.google.com/javax/swing/text/FlowView.FlowStrategy.html#changedUpdate(javax.swing.text.FlowView,%20javax.swing.event.DocumentEvent,%20java.awt.Rectangle))([FlowView](http://docs.google.com/javax/swing/text/FlowView.html) fv, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) alloc)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| protected  void | **AbstractDocument.**[**fireChangedUpdate**](http://docs.google.com/javax/swing/text/AbstractDocument.html#fireChangedUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Notifies all listeners that have registered interest for notification on this event type. |
| protected  void | **AbstractDocument.**[**fireInsertUpdate**](http://docs.google.com/javax/swing/text/AbstractDocument.html#fireInsertUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Notifies all listeners that have registered interest for notification on this event type. |
| protected  void | **AbstractDocument.**[**fireRemoveUpdate**](http://docs.google.com/javax/swing/text/AbstractDocument.html#fireRemoveUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Notifies all listeners that have registered interest for notification on this event type. |
| 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  void | **View.**[**forwardUpdateToView**](http://docs.google.com/javax/swing/text/View.html#forwardUpdateToView(javax.swing.text.View,%20javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([View](http://docs.google.com/javax/swing/text/View.html) v, [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 DocumentEvent to the give child view. |
| void | **JTextComponent.AccessibleJTextComponent.**[**insertUpdate**](http://docs.google.com/javax/swing/text/JTextComponent.AccessibleJTextComponent.html#insertUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Handles document insert (fire appropriate property change event which is AccessibleContext.ACCESSIBLE\_TEXT\_PROPERTY). |
| void | **FieldView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/FieldView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **ZoneView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/ZoneView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **WrappedPlainView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/WrappedPlainView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **PlainView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/PlainView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **FlowView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/FlowView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **GlyphView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/GlyphView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **View.**[**insertUpdate**](http://docs.google.com/javax/swing/text/View.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **FlowView.FlowStrategy.**[**insertUpdate**](http://docs.google.com/javax/swing/text/FlowView.FlowStrategy.html#insertUpdate(javax.swing.text.FlowView,%20javax.swing.event.DocumentEvent,%20java.awt.Rectangle))([FlowView](http://docs.google.com/javax/swing/text/FlowView.html) fv, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) alloc)            Gives notification that something was inserted into the document in a location that the given flow view is responsible for. |
| void | **JTextComponent.AccessibleJTextComponent.**[**removeUpdate**](http://docs.google.com/javax/swing/text/JTextComponent.AccessibleJTextComponent.html#removeUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Handles document remove (fire appropriate property change event, which is AccessibleContext.ACCESSIBLE\_TEXT\_PROPERTY). |
| void | **FieldView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/FieldView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **ZoneView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/ZoneView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **WrappedPlainView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/WrappedPlainView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **PlainView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/PlainView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **FlowView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/FlowView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **GlyphView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/GlyphView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **View.**[**removeUpdate**](http://docs.google.com/javax/swing/text/View.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was removed from the document in a location that this view is responsible for. |
| void | **FlowView.FlowStrategy.**[**removeUpdate**](http://docs.google.com/javax/swing/text/FlowView.FlowStrategy.html#removeUpdate(javax.swing.text.FlowView,%20javax.swing.event.DocumentEvent,%20java.awt.Rectangle))([FlowView](http://docs.google.com/javax/swing/text/FlowView.html) fv, [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) alloc)            Gives notification that something was removed from the document in a location that the given flow view is responsible for. |
| 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 | **PlainView.**[**updateDamage**](http://docs.google.com/javax/swing/text/PlainView.html#updateDamage(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f)            Repaint the region of change covered by the given document event. |
| 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. |

| Uses of [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
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| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with parameters of type [DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) | |
| --- | --- |
| void | **BlockView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/html/BlockView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) changes, [Shape](http://docs.google.com/java/awt/Shape.html) a, [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) f) |
| void | **ImageView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/html/ImageView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Invoked when the Elements attributes have changed. |
| void | **InlineView.**[**changedUpdate**](http://docs.google.com/javax/swing/text/html/InlineView.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification from the document that attributes were changed in a location that this view is responsible for. |
| protected  void | **HTMLDocument.**[**fireChangedUpdate**](http://docs.google.com/javax/swing/text/html/HTMLDocument.html#fireChangedUpdate(javax.swing.event.DocumentEvent))([DocumentEvent](http://docs.google.com/javax/swing/event/DocumentEvent.html) e)            Notifies all listeners that have registered interest for notification on this event type. |
| void | **InlineView.**[**insertUpdate**](http://docs.google.com/javax/swing/text/html/InlineView.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was inserted into the document in a location that this view is responsible for. |
| void | **InlineView.**[**removeUpdate**](http://docs.google.com/javax/swing/text/html/InlineView.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory))([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)            Gives notification that something was removed from the document in a location that this view is responsible for. |

| | [**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.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.html)    [**NO FRAMES**](http://docs.google.com/DocumentEvent.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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