| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StyledEditorKit.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/StyledDocument.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/StyledEditorKit.AlignmentAction.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/StyledEditorKit.html)    [**NO FRAMES**](http://docs.google.com/StyledEditorKit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#3dy6vkm) | [CONSTR](#1t3h5sf) | [METHOD](#4d34og8) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **javax.swing.text**

Class StyledEditorKit

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.text.EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html)  
 [javax.swing.text.DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html)  
 **javax.swing.text.StyledEditorKit**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html) **Direct Known Subclasses:** [HTMLEditorKit](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html), [RTFEditorKit](http://docs.google.com/javax/swing/text/rtf/RTFEditorKit.html)

public class **StyledEditorKit**extends [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html)

This is the set of things needed by a text component to be a reasonably functioning editor for some *type* of text document. This implementation provides a default implementation which treats text as styled text and provides a minimal set of actions for editing styled text.

| **Nested Class Summary** | |
| --- | --- |
| static class | [**StyledEditorKit.AlignmentAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.AlignmentAction.html)            An action to set paragraph alignment. |
| static class | [**StyledEditorKit.BoldAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.BoldAction.html)            An action to toggle the bold attribute. |
| static class | [**StyledEditorKit.FontFamilyAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.FontFamilyAction.html)            An action to set the font family in the associated JEditorPane. |
| static class | [**StyledEditorKit.FontSizeAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.FontSizeAction.html)            An action to set the font size in the associated JEditorPane. |
| static class | [**StyledEditorKit.ForegroundAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.ForegroundAction.html)            An action to set foreground color. |
| static class | [**StyledEditorKit.ItalicAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.ItalicAction.html)            An action to toggle the italic attribute. |
| static class | [**StyledEditorKit.StyledTextAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.StyledTextAction.html)            An action that assumes it's being fired on a JEditorPane with a StyledEditorKit (or subclass) installed. |
| static class | [**StyledEditorKit.UnderlineAction**](http://docs.google.com/javax/swing/text/StyledEditorKit.UnderlineAction.html)            An action to toggle the underline attribute. |

| **Nested classes/interfaces inherited from class javax.swing.text.**[**DefaultEditorKit**](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) |
| --- |
| [DefaultEditorKit.BeepAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.BeepAction.html), [DefaultEditorKit.CopyAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.CopyAction.html), [DefaultEditorKit.CutAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.CutAction.html), [DefaultEditorKit.DefaultKeyTypedAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.DefaultKeyTypedAction.html), [DefaultEditorKit.InsertBreakAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.InsertBreakAction.html), [DefaultEditorKit.InsertContentAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.InsertContentAction.html), [DefaultEditorKit.InsertTabAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.InsertTabAction.html), [DefaultEditorKit.PasteAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.PasteAction.html) |

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

| **Fields inherited from class javax.swing.text.**[**DefaultEditorKit**](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) |
| --- |
| [backwardAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#backwardAction), [beepAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#beepAction), [beginAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#beginAction), [beginLineAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#beginLineAction), [beginParagraphAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#beginParagraphAction), [beginWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#beginWordAction), [copyAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#copyAction), [cutAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#cutAction), [defaultKeyTypedAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#defaultKeyTypedAction), [deleteNextCharAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#deleteNextCharAction), [deleteNextWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#deleteNextWordAction), [deletePrevCharAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#deletePrevCharAction), [deletePrevWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#deletePrevWordAction), [downAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#downAction), [endAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#endAction), [endLineAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#endLineAction), [EndOfLineStringProperty](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#EndOfLineStringProperty), [endParagraphAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#endParagraphAction), [endWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#endWordAction), [forwardAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#forwardAction), [insertBreakAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#insertBreakAction), [insertContentAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#insertContentAction), [insertTabAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#insertTabAction), [nextWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#nextWordAction), [pageDownAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#pageDownAction), [pageUpAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#pageUpAction), [pasteAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#pasteAction), [previousWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#previousWordAction), [readOnlyAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#readOnlyAction), [selectAllAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectAllAction), [selectionBackwardAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionBackwardAction), [selectionBeginAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionBeginAction), [selectionBeginLineAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionBeginLineAction), [selectionBeginParagraphAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionBeginParagraphAction), [selectionBeginWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionBeginWordAction), [selectionDownAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionDownAction), [selectionEndAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionEndAction), [selectionEndLineAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionEndLineAction), [selectionEndParagraphAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionEndParagraphAction), [selectionEndWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionEndWordAction), [selectionForwardAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionForwardAction), [selectionNextWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionNextWordAction), [selectionPreviousWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionPreviousWordAction), [selectionUpAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectionUpAction), [selectLineAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectLineAction), [selectParagraphAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectParagraphAction), [selectWordAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#selectWordAction), [upAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#upAction), [writableAction](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#writableAction) |

| **Constructor Summary** | |
| --- | --- |
| [**StyledEditorKit**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#StyledEditorKit())()            Creates a new EditorKit used for styled documents. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#clone())()            Creates a copy of the editor kit. |
| [Document](http://docs.google.com/javax/swing/text/Document.html) | [**createDefaultDocument**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#createDefaultDocument())()            Creates an uninitialized text storage model that is appropriate for this type of editor. |
| protected  void | [**createInputAttributes**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#createInputAttributes(javax.swing.text.Element,%20javax.swing.text.MutableAttributeSet))([Element](http://docs.google.com/javax/swing/text/Element.html) element, [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) set)            Copies the key/values in elements AttributeSet into set. |
| void | [**deinstall**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#deinstall(javax.swing.JEditorPane))([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)            Called when the kit is being removed from the JEditorPane. |
| [Action](http://docs.google.com/javax/swing/Action.html)[] | [**getActions**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#getActions())()            Fetches the command list for the editor. |
| [Element](http://docs.google.com/javax/swing/text/Element.html) | [**getCharacterAttributeRun**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#getCharacterAttributeRun())()            Fetches the element representing the current run of character attributes for the caret. |
| [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) | [**getInputAttributes**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#getInputAttributes())()            Gets the input attributes for the pane. |
| [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) | [**getViewFactory**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#getViewFactory())()            Fetches a factory that is suitable for producing views of any models that are produced by this kit. |
| void | [**install**](http://docs.google.com/javax/swing/text/StyledEditorKit.html#install(javax.swing.JEditorPane))([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)            Called when the kit is being installed into a JEditorPane. |

| **Methods inherited from class javax.swing.text.**[**DefaultEditorKit**](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) |
| --- |
| [createCaret](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#createCaret()), [getContentType](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#getContentType()), [read](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#read(java.io.InputStream,%20javax.swing.text.Document,%20int)), [read](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int)), [write](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#write(java.io.OutputStream,%20javax.swing.text.Document,%20int,%20int)), [write](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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)) |

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

### StyledEditorKit

public **StyledEditorKit**()

Creates a new EditorKit used for styled documents.

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

### getInputAttributes

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

Gets the input attributes for the pane. When the caret moves and there is no selection, the input attributes are automatically mutated to reflect the character attributes of the current caret location. The styled editing actions use the input attributes to carry out their actions.

**Returns:**the attribute set

### getCharacterAttributeRun

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

Fetches the element representing the current run of character attributes for the caret.

**Returns:**the element

### getActions

public [Action](http://docs.google.com/javax/swing/Action.html)[] **getActions**()

Fetches the command list for the editor. This is the list of commands supported by the superclass augmented by the collection of commands defined locally for style operations.

**Overrides:**[getActions](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#getActions()) in class [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) **Returns:**the command list

### createDefaultDocument

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

Creates an uninitialized text storage model that is appropriate for this type of editor.

**Overrides:**[createDefaultDocument](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#createDefaultDocument()) in class [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) **Returns:**the model

### install

public void **install**([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)

Called when the kit is being installed into a JEditorPane.

**Overrides:**[install](http://docs.google.com/javax/swing/text/EditorKit.html#install(javax.swing.JEditorPane)) in class [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) **Parameters:**c - the JEditorPane

### deinstall

public void **deinstall**([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)

Called when the kit is being removed from the JEditorPane. This is used to unregister any listeners that were attached.

**Overrides:**[deinstall](http://docs.google.com/javax/swing/text/EditorKit.html#deinstall(javax.swing.JEditorPane)) in class [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) **Parameters:**c - the JEditorPane

### getViewFactory

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

Fetches a factory that is suitable for producing views of any models that are produced by this kit. This is implemented to return View implementations for the following kinds of elements:

* AbstractDocument.ContentElementName
* AbstractDocument.ParagraphElementName
* AbstractDocument.SectionElementName
* StyleConstants.ComponentElementName
* StyleConstants.IconElementName

**Overrides:**[getViewFactory](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#getViewFactory()) in class [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) **Returns:**the factory

### clone

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

Creates a copy of the editor kit.

**Overrides:**[clone](http://docs.google.com/javax/swing/text/EditorKit.html#clone()) in class [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) **Returns:**the copy**See Also:**[Cloneable](http://docs.google.com/java/lang/Cloneable.html)

### createInputAttributes

protected void **createInputAttributes**([Element](http://docs.google.com/javax/swing/text/Element.html) element,  
 [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) set)

Copies the key/values in elements AttributeSet into set. This does not copy component, icon, or element names attributes. Subclasses may wish to refine what is and what isn't copied here. But be sure to first remove all the attributes that are in set.

This is called anytime the caret moves over a different location.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StyledEditorKit.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/StyledDocument.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/StyledEditorKit.AlignmentAction.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/StyledEditorKit.html)    [**NO FRAMES**](http://docs.google.com/StyledEditorKit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#3dy6vkm) | [CONSTR](#1t3h5sf) | [METHOD](#4d34og8) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

[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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