| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/HTMLEditorKit.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/html/HTMLDocument.RunElement.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.HTMLFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/HTMLEditorKit.html)    [**NO FRAMES**](http://docs.google.com/HTMLEditorKit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#3dy6vkm) | [CONSTR](#4d34og8) | [METHOD](#2s8eyo1) | DETAIL: [FIELD](#lnxbz9) | [CONSTR](#3as4poj) | [METHOD](#49x2ik5) |

## **javax.swing.text.html**

Class HTMLEditorKit

[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](http://docs.google.com/javax/swing/text/StyledEditorKit.html)  
 **javax.swing.text.html.HTMLEditorKit**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [Accessible](http://docs.google.com/javax/accessibility/Accessible.html)

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

The Swing JEditorPane text component supports different kinds of content via a plug-in mechanism called an EditorKit. Because HTML is a very popular format of content, some support is provided by default. The default support is provided by this class, which supports HTML version 3.2 (with some extensions), and is migrating toward version 4.0. The <applet> tag is not supported, but some support is provided for the <object> tag.

There are several goals of the HTML EditorKit provided, that have an effect upon the way that HTML is modeled. These have influenced its design in a substantial way.

Support editing It might seem fairly obvious that a plug-in for JEditorPane should provide editing support, but that fact has several design considerations. There are a substantial number of HTML documents that don't properly conform to an HTML specification. These must be normalized somewhat into a correct form if one is to edit them. Additionally, users don't like to be presented with an excessive amount of structure editing, so using traditional text editing gestures is preferred over using the HTML structure exactly as defined in the HTML document.

The modeling of HTML is provided by the class HTMLDocument. Its documention describes the details of how the HTML is modeled. The editing support leverages heavily off of the text package.

Extendable/Scalable To maximize the usefulness of this kit, a great deal of effort has gone into making it extendable. These are some of the features.

1. The parser is replacable. The default parser is the Hot Java parser which is DTD based. A different DTD can be used, or an entirely different parser can be used. To change the parser, reimplement the getParser method. The default parser is dynamically loaded when first asked for, so the class files will never be loaded if an alternative parser is used. The default parser is in a separate package called parser below this package.
2. The parser drives the ParserCallback, which is provided by HTMLDocument. To change the callback, subclass HTMLDocument and reimplement the createDefaultDocument method to return document that produces a different reader. The reader controls how the document is structured. Although the Document provides HTML support by default, there is nothing preventing support of non-HTML tags that result in alternative element structures.
3. The default view of the models are provided as a hierarchy of View implementations, so one can easily customize how a particular element is displayed or add capabilities for new kinds of elements by providing new View implementations. The default set of views are provided by the HTMLFactory class. This can be easily changed by subclassing or replacing the HTMLFactory and reimplementing the getViewFactory method to return the alternative factory.
4. The View implementations work primarily off of CSS attributes, which are kept in the views. This makes it possible to have multiple views mapped over the same model that appear substantially different. This can be especially useful for printing. For most HTML attributes, the HTML attributes are converted to CSS attributes for display. This helps make the View implementations more general purpose

Asynchronous Loading Larger documents involve a lot of parsing and take some time to load. By default, this kit produces documents that will be loaded asynchronously if loaded using JEditorPane.setPage. This is controlled by a property on the document. The method [createDefaultDocument](#4k668n3) can be overriden to change this. The batching of work is done by the HTMLDocument.HTMLReader class. The actual work is done by the DefaultStyledDocument and AbstractDocument classes in the text package.

Customization from current LAF HTML provides a well known set of features without exactly specifying the display characteristics. Swing has a theme mechanism for its look-and-feel implementations. It is desirable for the look-and-feel to feed display characteristics into the HTML views. An user with poor vision for example would want high contrast and larger than typical fonts.

The support for this is provided by the StyleSheet class. The presentation of the HTML can be heavily influenced by the setting of the StyleSheet property on the EditorKit.

Not lossy An EditorKit has the ability to be read and save documents. It is generally the most pleasing to users if there is no loss of data between the two operation. The policy of the HTMLEditorKit will be to store things not recognized or not necessarily visible so they can be subsequently written out. The model of the HTML document should therefore contain all information discovered while reading the document. This is constrained in some ways by the need to support editing (i.e. incorrect documents sometimes must be normalized). The guiding principle is that information shouldn't be lost, but some might be synthesized to produce a more correct model or it might be rearranged.

| **Nested Class Summary** | |
| --- | --- |
| static class | [**HTMLEditorKit.HTMLFactory**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.HTMLFactory.html)            A factory to build views for HTML. |
| static class | [**HTMLEditorKit.HTMLTextAction**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.HTMLTextAction.html)            An abstract Action providing some convenience methods that may be useful in inserting HTML into an existing document. |
| static class | [**HTMLEditorKit.InsertHTMLTextAction**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.InsertHTMLTextAction.html)            InsertHTMLTextAction can be used to insert an arbitrary string of HTML into an existing HTML document. |
| static class | [**HTMLEditorKit.LinkController**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.LinkController.html)            Class to watch the associated component and fire hyperlink events on it when appropriate. |
| static class | [**HTMLEditorKit.Parser**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.Parser.html)            Interface to be supported by the parser. |
| static class | [**HTMLEditorKit.ParserCallback**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.ParserCallback.html)            The result of parsing drives these callback methods. |

| **Nested classes/interfaces inherited from class javax.swing.text.**[**StyledEditorKit**](http://docs.google.com/javax/swing/text/StyledEditorKit.html) |
| --- |
| [StyledEditorKit.AlignmentAction](http://docs.google.com/javax/swing/text/StyledEditorKit.AlignmentAction.html), [StyledEditorKit.BoldAction](http://docs.google.com/javax/swing/text/StyledEditorKit.BoldAction.html), [StyledEditorKit.FontFamilyAction](http://docs.google.com/javax/swing/text/StyledEditorKit.FontFamilyAction.html), [StyledEditorKit.FontSizeAction](http://docs.google.com/javax/swing/text/StyledEditorKit.FontSizeAction.html), [StyledEditorKit.ForegroundAction](http://docs.google.com/javax/swing/text/StyledEditorKit.ForegroundAction.html), [StyledEditorKit.ItalicAction](http://docs.google.com/javax/swing/text/StyledEditorKit.ItalicAction.html), [StyledEditorKit.StyledTextAction](http://docs.google.com/javax/swing/text/StyledEditorKit.StyledTextAction.html), [StyledEditorKit.UnderlineAction](http://docs.google.com/javax/swing/text/StyledEditorKit.UnderlineAction.html) |

| **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** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**BOLD\_ACTION**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#BOLD_ACTION)            The bold action identifier |
| static [String](http://docs.google.com/java/lang/String.html) | [**COLOR\_ACTION**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#COLOR_ACTION)            The Color choice action identifier The color is passed as an argument |
| static [String](http://docs.google.com/java/lang/String.html) | [**DEFAULT\_CSS**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#DEFAULT_CSS)            Default Cascading Style Sheet file that sets up the tag views. |
| static [String](http://docs.google.com/java/lang/String.html) | [**FONT\_CHANGE\_BIGGER**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#FONT_CHANGE_BIGGER)            The font size increase to next value action identifier |
| static [String](http://docs.google.com/java/lang/String.html) | [**FONT\_CHANGE\_SMALLER**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#FONT_CHANGE_SMALLER)            The font size decrease to next value action identifier |
| static [String](http://docs.google.com/java/lang/String.html) | [**IMG\_ALIGN\_BOTTOM**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#IMG_ALIGN_BOTTOM)            Align images at the bottom. |
| static [String](http://docs.google.com/java/lang/String.html) | [**IMG\_ALIGN\_MIDDLE**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#IMG_ALIGN_MIDDLE)            Align images in the middle. |
| static [String](http://docs.google.com/java/lang/String.html) | [**IMG\_ALIGN\_TOP**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#IMG_ALIGN_TOP)            Align images at the top. |
| static [String](http://docs.google.com/java/lang/String.html) | [**IMG\_BORDER**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#IMG_BORDER)            Align images at the border. |
| static [String](http://docs.google.com/java/lang/String.html) | [**ITALIC\_ACTION**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#ITALIC_ACTION)            The italic action identifier |
| static [String](http://docs.google.com/java/lang/String.html) | [**LOGICAL\_STYLE\_ACTION**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#LOGICAL_STYLE_ACTION)            The logical style choice action identifier The logical style is passed in as an argument |
| static [String](http://docs.google.com/java/lang/String.html) | [**PARA\_INDENT\_LEFT**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#PARA_INDENT_LEFT)            The paragraph left indent action identifier |
| static [String](http://docs.google.com/java/lang/String.html) | [**PARA\_INDENT\_RIGHT**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#PARA_INDENT_RIGHT)            The paragraph right indent action identifier |

| **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** | |
| --- | --- |
| [**HTMLEditorKit**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#HTMLEditorKit())()            Constructs an HTMLEditorKit, creates a StyleContext, and loads the style sheet. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.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/html/HTMLEditorKit.html#createDefaultDocument())()            Create an uninitialized text storage model that is appropriate for this type of editor. |
| protected  void | [**createInputAttributes**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.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/html/HTMLEditorKit.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. |
| [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) | [**getAccessibleContext**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getAccessibleContext())()            returns the AccessibleContext associated with this editor kit |
| [Action](http://docs.google.com/javax/swing/Action.html)[] | [**getActions**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getActions())()            Fetches the command list for the editor. |
| [String](http://docs.google.com/java/lang/String.html) | [**getContentType**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getContentType())()            Get the MIME type of the data that this kit represents support for. |
| [Cursor](http://docs.google.com/java/awt/Cursor.html) | [**getDefaultCursor**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getDefaultCursor())()            Returns the default cursor. |
| [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) | [**getInputAttributes**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getInputAttributes())()            Gets the input attributes used for the styled editing actions. |
| [Cursor](http://docs.google.com/java/awt/Cursor.html) | [**getLinkCursor**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getLinkCursor())()            Returns the cursor to use over hyper links. |
| protected  [HTMLEditorKit.Parser](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.Parser.html) | [**getParser**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getParser())()            Fetch the parser to use for reading HTML streams. |
| [StyleSheet](http://docs.google.com/javax/swing/text/html/StyleSheet.html) | [**getStyleSheet**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getStyleSheet())()            Get the set of styles currently being used to render the HTML elements. |
| [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) | [**getViewFactory**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#getViewFactory())()            Fetch a factory that is suitable for producing views of any models that are produced by this kit. |
| void | [**insertHTML**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#insertHTML(javax.swing.text.html.HTMLDocument,%20int,%20java.lang.String,%20int,%20int,%20javax.swing.text.html.HTML.Tag))([HTMLDocument](http://docs.google.com/javax/swing/text/html/HTMLDocument.html) doc, int offset, [String](http://docs.google.com/java/lang/String.html) html, int popDepth, int pushDepth, [HTML.Tag](http://docs.google.com/javax/swing/text/html/HTML.Tag.html) insertTag)            Inserts HTML into an existing document. |
| void | [**install**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#install(javax.swing.JEditorPane))([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)            Called when the kit is being installed into the a JEditorPane. |
| boolean | [**isAutoFormSubmission**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#isAutoFormSubmission())()            Indicates whether an html form submission is processed automatically or only FormSubmitEvent is fired. |
| void | [**read**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Inserts content from the given stream. |
| void | [**setAutoFormSubmission**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#setAutoFormSubmission(boolean))(boolean isAuto)            Specifies if an html form submission is processed automatically or only FormSubmitEvent is fired. |
| void | [**setDefaultCursor**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#setDefaultCursor(java.awt.Cursor))([Cursor](http://docs.google.com/java/awt/Cursor.html) cursor)            Sets the default cursor. |
| void | [**setLinkCursor**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#setLinkCursor(java.awt.Cursor))([Cursor](http://docs.google.com/java/awt/Cursor.html) cursor)            Sets the cursor to use over links. |
| void | [**setStyleSheet**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#setStyleSheet(javax.swing.text.html.StyleSheet))([StyleSheet](http://docs.google.com/javax/swing/text/html/StyleSheet.html) s)            Set the set of styles to be used to render the various HTML elements. |
| void | [**write**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Write content from a document to the given stream in a format appropriate for this kind of content handler. |

| **Methods inherited from class javax.swing.text.**[**StyledEditorKit**](http://docs.google.com/javax/swing/text/StyledEditorKit.html) |
| --- |
| [getCharacterAttributeRun](http://docs.google.com/javax/swing/text/StyledEditorKit.html#getCharacterAttributeRun()) |

| **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()), [read](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#read(java.io.InputStream,%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)) |

| **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)) |

| **Field Detail** |
| --- |

### DEFAULT\_CSS

public static final [String](http://docs.google.com/java/lang/String.html) **DEFAULT\_CSS**

Default Cascading Style Sheet file that sets up the tag views.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.DEFAULT_CSS)

### BOLD\_ACTION

public static final [String](http://docs.google.com/java/lang/String.html) **BOLD\_ACTION**

The bold action identifier

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.BOLD_ACTION)

### ITALIC\_ACTION

public static final [String](http://docs.google.com/java/lang/String.html) **ITALIC\_ACTION**

The italic action identifier

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.ITALIC_ACTION)

### PARA\_INDENT\_LEFT

public static final [String](http://docs.google.com/java/lang/String.html) **PARA\_INDENT\_LEFT**

The paragraph left indent action identifier

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.PARA_INDENT_LEFT)

### PARA\_INDENT\_RIGHT

public static final [String](http://docs.google.com/java/lang/String.html) **PARA\_INDENT\_RIGHT**

The paragraph right indent action identifier

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.PARA_INDENT_RIGHT)

### FONT\_CHANGE\_BIGGER

public static final [String](http://docs.google.com/java/lang/String.html) **FONT\_CHANGE\_BIGGER**

The font size increase to next value action identifier

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.FONT_CHANGE_BIGGER)

### FONT\_CHANGE\_SMALLER

public static final [String](http://docs.google.com/java/lang/String.html) **FONT\_CHANGE\_SMALLER**

The font size decrease to next value action identifier

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.FONT_CHANGE_SMALLER)

### COLOR\_ACTION

public static final [String](http://docs.google.com/java/lang/String.html) **COLOR\_ACTION**

The Color choice action identifier The color is passed as an argument

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.COLOR_ACTION)

### LOGICAL\_STYLE\_ACTION

public static final [String](http://docs.google.com/java/lang/String.html) **LOGICAL\_STYLE\_ACTION**

The logical style choice action identifier The logical style is passed in as an argument

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.LOGICAL_STYLE_ACTION)

### IMG\_ALIGN\_TOP

public static final [String](http://docs.google.com/java/lang/String.html) **IMG\_ALIGN\_TOP**

Align images at the top.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.IMG_ALIGN_TOP)

### IMG\_ALIGN\_MIDDLE

public static final [String](http://docs.google.com/java/lang/String.html) **IMG\_ALIGN\_MIDDLE**

Align images in the middle.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.IMG_ALIGN_MIDDLE)

### IMG\_ALIGN\_BOTTOM

public static final [String](http://docs.google.com/java/lang/String.html) **IMG\_ALIGN\_BOTTOM**

Align images at the bottom.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.IMG_ALIGN_BOTTOM)

### IMG\_BORDER

public static final [String](http://docs.google.com/java/lang/String.html) **IMG\_BORDER**

Align images at the border.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.HTMLEditorKit.IMG_BORDER)

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

### HTMLEditorKit

public **HTMLEditorKit**()

Constructs an HTMLEditorKit, creates a StyleContext, and loads the style sheet.

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

### getContentType

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

Get the MIME type of the data that this kit represents support for. This kit supports the type text/html.

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

### getViewFactory

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

Fetch a factory that is suitable for producing views of any models that are produced by this kit.

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

### createDefaultDocument

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

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

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

### read

public void **read**([Reader](http://docs.google.com/java/io/Reader.html) in,  
 [Document](http://docs.google.com/javax/swing/text/Document.html) doc,  
 int pos)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Inserts content from the given stream. If doc is an instance of HTMLDocument, this will read HTML 3.2 text. Inserting HTML into a non-empty document must be inside the body Element, if you do not insert into the body an exception will be thrown. When inserting into a non-empty document all tags outside of the body (head, title) will be dropped.

**Overrides:**[read](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int)) in class [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) **Parameters:**in - the stream to read fromdoc - the destination for the insertionpos - the location in the document to place the content **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - on any I/O error [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - if pos represents an invalid location within the document [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html) - (will eventually be a BadLocationException) if pos is invalid

### insertHTML

public void **insertHTML**([HTMLDocument](http://docs.google.com/javax/swing/text/html/HTMLDocument.html) doc,  
 int offset,  
 [String](http://docs.google.com/java/lang/String.html) html,  
 int popDepth,  
 int pushDepth,  
 [HTML.Tag](http://docs.google.com/javax/swing/text/html/HTML.Tag.html) insertTag)  
 throws [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Inserts HTML into an existing document.

**Parameters:**doc - the document to insert intooffset - the offset to insert HTML atpopDepth - the number of ElementSpec.EndTagTypes to generate before insertingpushDepth - the number of ElementSpec.StartTagTypes with a direction of ElementSpec.JoinNextDirection that should be generated before inserting, but after the end tags have been generatedinsertTag - the first tag to start inserting into document **Throws:** [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html) - (will eventually be a BadLocationException) if pos is invalid [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) [IOException](http://docs.google.com/java/io/IOException.html)

### write

public void **write**([Writer](http://docs.google.com/java/io/Writer.html) out,  
 [Document](http://docs.google.com/javax/swing/text/Document.html) doc,  
 int pos,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Write content from a document to the given stream in a format appropriate for this kind of content handler.

**Overrides:**[write](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int)) in class [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html) **Parameters:**out - the stream to write todoc - the source for the writepos - the location in the document to fetch the contentlen - the amount to write out **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - on any I/O error [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - if pos represents an invalid location within the document

### install

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

Called when the kit is being installed into the a JEditorPane.

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

### setStyleSheet

public void **setStyleSheet**([StyleSheet](http://docs.google.com/javax/swing/text/html/StyleSheet.html) s)

Set the set of styles to be used to render the various HTML elements. These styles are specified in terms of CSS specifications. Each document produced by the kit will have a copy of the sheet which it can add the document specific styles to. By default, the StyleSheet specified is shared by all HTMLEditorKit instances. This should be reimplemented to provide a finer granularity if desired.

### getStyleSheet

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

Get the set of styles currently being used to render the HTML elements. By default the resource specified by DEFAULT\_CSS gets loaded, and is shared by all HTMLEditorKit instances.

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

### 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.

**Overrides:**[createInputAttributes](http://docs.google.com/javax/swing/text/StyledEditorKit.html#createInputAttributes(javax.swing.text.Element,%20javax.swing.text.MutableAttributeSet)) in class [StyledEditorKit](http://docs.google.com/javax/swing/text/StyledEditorKit.html)

### getInputAttributes

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

Gets the input attributes used for the styled editing actions.

**Overrides:**[getInputAttributes](http://docs.google.com/javax/swing/text/StyledEditorKit.html#getInputAttributes()) in class [StyledEditorKit](http://docs.google.com/javax/swing/text/StyledEditorKit.html) **Returns:**the attribute set

### setDefaultCursor

public void **setDefaultCursor**([Cursor](http://docs.google.com/java/awt/Cursor.html) cursor)

Sets the default cursor.

**Since:** 1.3

### getDefaultCursor

public [Cursor](http://docs.google.com/java/awt/Cursor.html) **getDefaultCursor**()

Returns the default cursor.

**Since:** 1.3

### setLinkCursor

public void **setLinkCursor**([Cursor](http://docs.google.com/java/awt/Cursor.html) cursor)

Sets the cursor to use over links.

**Since:** 1.3

### getLinkCursor

public [Cursor](http://docs.google.com/java/awt/Cursor.html) **getLinkCursor**()

Returns the cursor to use over hyper links.

**Since:** 1.3

### isAutoFormSubmission

public boolean **isAutoFormSubmission**()

Indicates whether an html form submission is processed automatically or only FormSubmitEvent is fired.

**Returns:**true if html form submission is processed automatically, false otherwise.**Since:** 1.5 **See Also:**[setAutoFormSubmission(boolean)](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#setAutoFormSubmission(boolean))

### setAutoFormSubmission

public void **setAutoFormSubmission**(boolean isAuto)

Specifies if an html form submission is processed automatically or only FormSubmitEvent is fired. By default it is set to true.

**Since:** 1.5 **See Also:**[isAutoFormSubmission](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#isAutoFormSubmission), [FormSubmitEvent](http://docs.google.com/javax/swing/text/html/FormSubmitEvent.html)

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

### getParser

protected [HTMLEditorKit.Parser](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.Parser.html) **getParser**()

Fetch the parser to use for reading HTML streams. This can be reimplemented to provide a different parser. The default implementation is loaded dynamically to avoid the overhead of loading the default parser if it's not used. The default parser is the HotJava parser using an HTML 3.2 DTD.

### getAccessibleContext

public [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **getAccessibleContext**()

returns the AccessibleContext associated with this editor kit

**Specified by:**[getAccessibleContext](http://docs.google.com/javax/accessibility/Accessible.html#getAccessibleContext()) in interface [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) **Returns:**the AccessibleContext associated with this editor kit**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/HTMLEditorKit.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/html/HTMLDocument.RunElement.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.HTMLFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/HTMLEditorKit.html)    [**NO FRAMES**](http://docs.google.com/HTMLEditorKit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#3dy6vkm) | [CONSTR](#4d34og8) | [METHOD](#2s8eyo1) | DETAIL: [FIELD](#lnxbz9) | [CONSTR](#3as4poj) | [METHOD](#49x2ik5) |

[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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