

## NSText

**Inherits From:**        NSView : NSResponder : NSObject

**Conforms To:**        NSChangeSpelling  
                  NSIgnoreMisspelledWords

**Declared In:**        appkit/NSTextView.h

### Getting and Setting Contents

- (void)**replaceRange:(NSRange)range  
          withRTF:(NSData \*)rtfData**        Replaces the characters within the specified *range* of text with the RTF data *rtfData*.
- (void)**replaceRange:(NSRange)range  
          withRTFD:(NSData \*)rtfdData**     Replaces the characters within the specified *range* of text with the RTFD data *rtfdData*.
- (NSData \*)**RTFFromRange:(NSRange)range**   Extracts the specified *range* of RTF text from the NSText object and returns a data object initialized with that text. This data is formatted according to the RTF file format.
- (NSData \*)**RTFDFromRange:(NSRange)range** Extracts the specified *range* of RTFD text from the NSText object and returns an data object initialized with that text.
- (void)**setText:(NSString \*)string**        Sets the contents of the NSText object to be *string*.
- (void)**setText:(NSString \*)string  
          range:(NSRange)range**            Replaces the characters in the specified *range* of text in the NSText object to be *string*.

- (NSString \*)**text**

Returns the contents of the NSText object as a immutable string object.

## Managing Global Characteristics

- (NSTextAlignment)**alignment**
- (BOOL)**drawsBackground**
- (BOOL)**importsGraphics**
- (BOOL)**isEditable**
- (BOOL)**isRichText**
- (BOOL)**isSelectable**
- (void)**setAlignment:**(NSTextAlignment)*mode*
- (void)**setDrawsBackground:**(BOOL)*flag*
- (void)**setEditable:**(BOOL)*flag*
- (void)**setImportsGraphics:**(BOOL)*flag*
- (void)**setRichText:**(BOOL)*flag*
  
- (void)**setSelectable:**(BOOL)*flag*

Returns how text in the NSText object is aligned between the margins.  
Returns whether the NSText object draws its own background.  
Returns whether the NSText object can accept images.  
Returns whether users can edit the NSText object.  
Returns whether the text in the NSText object is RTF.  
Returns whether users can select text in the NSText object.  
Sets how the text in the NSText object is aligned between the margins.  
Sets whether the NSText object draws its own background.  
Sets whether users can edit text in the NSText object.  
Sets whether the NSText object can accept images.  
Sets whether the text in the NSText object allows for multiple values of attributes, such as color and font (i.e. RTF).  
Sets whether users can select text in the NSText object.

## Managing Font and Color

- (NSColor \*)**backgroundColor**
- (void)**changeFont:**(id)*sender*
- (NSFont \*)**font**
- (void)**setBackgroundColor:**(NSColor \*)*color*
- (void)**setColor:**(NSColor \*)*color*  
**ofRange:**(NSRange)*range*
- (void)**setFont:**(NSFont \*)*obj*
- (void)**setFont:**(NSFont \*)*font*  
**ofRange:**(NSRange)*range*

Returns the background color for the NSText object.  
Initiates a font-change session.  
Returns the default NSFont object for the NSText object.  
Sets the background color for the NSText object.  
Sets the color for the specified *range* of text in the NSText object to *color*.  
Sets the default NSFont object for the NSText object.  
Sets the font for the specified *range* of text in the NSText object to *font*.

- (void)**setTextColor:**(NSColor \*)*color*
- (void)**setUsesFontPanel:**(BOOL)*flag*
- (NSColor \*)**textColor**
- (BOOL)**usesFontPanel**

Sets the textual color for the NSText object.

Sets whether the NSText object uses the font panel.

Returns the textual color for the NSText object.

Returns whether the NSText object uses the font panel

## Managing the Selection

- (NSRange)**selectedRange**
- (void)**setSelectedRange:**(NSRange)*range*

Returns the range of the selected text in the NSText object.

Sets the *range* of selected text in the NSText object.

## Sizing the Frame Rectangle

- (BOOL)**isHorizontallyResizable**
- (BOOL)**isVerticallyResizable**
- (NSSize)**maxSize**
- (NSSize)**minSize**
- (void)**setHorizontallyResizable:**(BOOL)*flag*
- (void)**setMaxSize:**(NSSize)*newMaxSize*
- (void)**setMinSize:**(NSSize)*newMinSize*
- (void)**setVerticallyResizable:**(BOOL)*flag*
- (void)**sizeToFit**

Returns whether the frame width can change.

Returns whether the frame height can change.

Gets the maximum size of the NSTextView's frame.

Gets the minimum size of the NSTextView's frame.

Sets whether the frame's width can change.

Sets the maximum size of the NSText object to *newMaxSize*.

Sets the minimum size of the NSText object to *newMinSize*.

Sets whether the frame's height can change.

Resizes the frame to fit just around the text.

## Responding to Editing Commands

- (void)**alignCenter:**(id)*sender*
- (void)**alignLeft:**(id)*sender*
- (void)**alignRight:**(id)*sender*
- (void)**copy:**(id)*sender*
- (void)**copyFont:**(id)*sender*

Centers the selected text between the margins.

Aligns selected text to the left margin.

Aligns selected text the the right margin.

Copies the selected text to the pasteboard.

Copies the selected text's font to the pasteboard.

- (void)**copyRuler:**(id)*sender* Copies the selected text's ruler to the pasteboard.
- (void)**cut:**(id)*sender* Deletes the selected text and copies it to the pasteboard.
- (void)**delete:**(id)*sender* Deletes the selected text.
- (void)**paste:**(id)*sender* Replaces the selected text with the contents of the pasteboard.
- (void)**pasteFont:**(id)*sender* Replaces the selection's font with the pasteboard contents.
- (void)**pasteRuler:**(id)*sender* Replaces the selection's ruler with the pasteboard contents.
- (void)**selectAll:**(id)*sender* Selects all text in the NSText object.
- (void)**subscript:**(id)*sender* Subscripts the current selection.
- (void)**superscript:**(id)*sender* Superscripts the current selection.
- (void)**underline:**(id)*sender* Underlines the selected text.
- (void)**unscript:**(id)*sender* Removes superscript or subscript in the current selection..

## Managing the Ruler

- (BOOL)**isRulerVisible** Returns whether the ruler is visible.
- (void)**toggleRuler:**(id)*sender* Displays the ruler if it's not visible, and removes it if it is visible.

## Spelling

- (void)**checkSpelling:**(id)*sender* Initiates a spell-checking session.
- (void)**showGuessPanel:**(id)*sender* Displays the spell-checker's Show Guess panel.

## Scrolling

- (void)**scrollRangeToVisible:**(NSRange)*range* Scrolls the NSText object so that the *range* of text is visible.

## Reading and Writing RTFD Files

- (BOOL)**readRTFDFromFile:(NSString \*)*path*** Reads RTFD data from the file package specified by *path* and initializes an NSText object with it; returns whether the operation succeeded.
- (BOOL)**writeRTFDToFile:(NSString \*)*path*  
atomically:(BOOL)*flag*** Writes RTFD data from the receiving NSText object to the file package specified by *path*. *flag* determines whether writing occurs atomically. Returns whether the operation succeeded.

## Managing the Field Editor

- (BOOL)**isFieldEditor** Returns whether the receiving NSText object gives up First Responder status on tab, carriage return, etc.
- (void)**setFieldEditor:(BOOL)*flag*** Sets whether the receiving NSText object is to be used as a field editor. *flag* indicates whether to end on carriage return, tab, or other terminating character.

## Managing the Delegate

- (id)**delegate** Returns the delegate of the NSText object.
- (void)**setDelegate:(id)*anObject*** Makes *anObject* the NSText object's delegate.

## Implemented by the Delegate

- (void)**textDidBeginEditing:(NSNotification \*)*notification*** Alerts delegate to a change in the text after obtaining First Responder status.
- (void)**textDidChange:(NSNotification \*)*notification*** Sent upon any key-down events or paste operation that changes the receiver's contents.
- (void)**textDidEndEditing:(NSNotification \*)*notification*** Reports to delegate the loss of First Responder status.

- (BOOL)**textShouldBeginEditing:**(NSText \*)*textObject*

Informs delegate of an impending textual change. YES means go ahead and make the change.

- (BOOL)**textShouldEndEditing:**(NSText \*)*textObject*

Warns delegate of the impending loss of First Responder status. YES means go ahead and change status.