

RadRichTextBox for Silverlight/WPF

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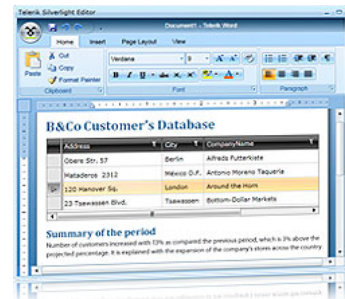
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Overview

RadRichTextBox is a control that offers Microsoft Word-like authoring and editing in your applications using a familiar interface for end users. The experience is enhanced by the support of multilevel bullet and numbered lists, tables, inline and floating images. More advanced options include external and in-document hyperlinks, bookmarks and comments.

The control can preview and edit text in various languages thanks to the Input Method Editor and the Right-to-Left support, which makes it an appropriate choice in a wide range of applications. Even more sweetness is added by the integrated spell-checker and image editor allowing immediate detection and correction of spelling mistakes and in-place tweaking of images.



What's New?

Track Changes Feature

The track changes feature allows applying changes to the document in the editor and committing them at a later point. The feature works similarly to the corresponding functionality of MS Word. The changes can be approved one by one or all at once, just as how they can be rejected. These actions are triggered via commands. In RadRichTextBoxRibbonUI, there are buttons in the Review tab that have been wired with these commands.

Document Variables and Nested Fields

RadDocument has an implementation of document variables that enables the nested fields feature and can be used as a foundation for implementing master-detail mail merge scenario. In addition, the TOC also represents the use of nested fields.

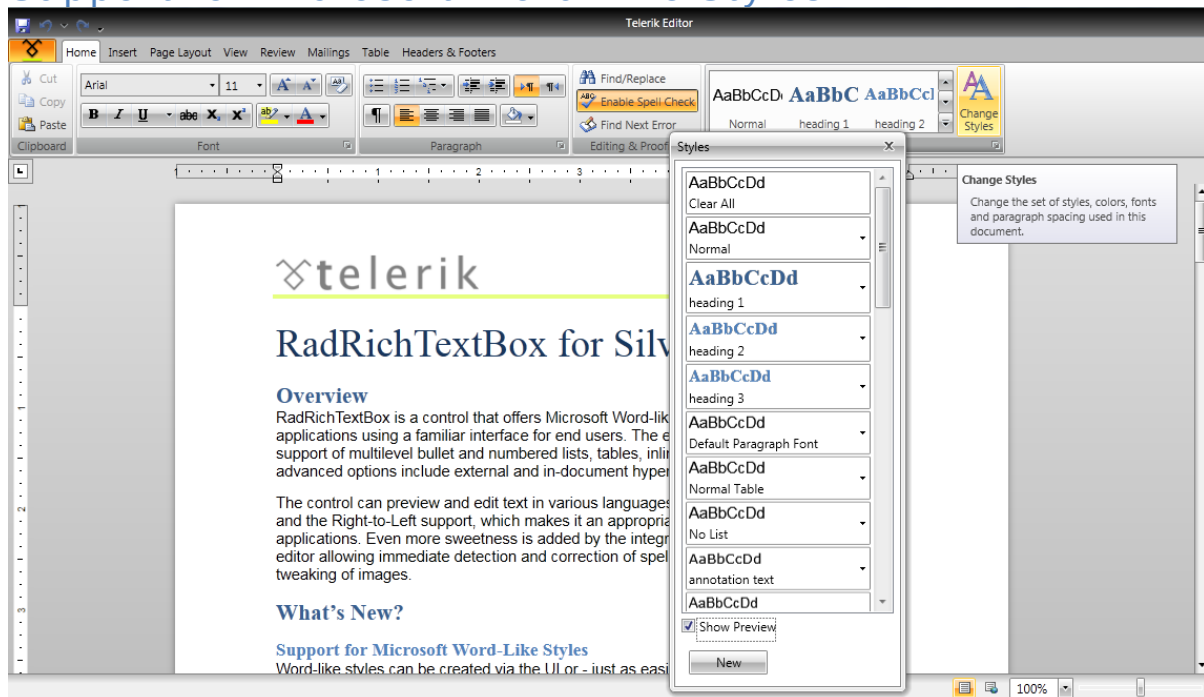
List Styles

List styles is one of the new additions to the Styles feature recently introduced. Using list styles ensures a more consistent look of your document.

Auto Hyperlink

If you type "<http://www.telerik.com>" and an interval or a new line at the end, it will be automatically converted to <http://www.telerik.com> to spare you the time for opening the InsertHyperlinkCommand. The same goes for clientservice@telerik.com. This option can be controlled or turned off using some properties of the editor.

Support for Microsoft Word-Like Styles



Word-like styles can be created via the UI or - just as easily - in code-behind. In this way you can ensure the consistent look of the fonts, font sizes and colors in the document. The styles can be persisted in most supported rich text formats – docx, XAML and HTML.

Document Protection for RadDocument

The amelioration to RadRichTextBox and RadDocument also includes document protection. Not only can documents be password-protected, but also different editing permissions can be defined on parts of the document. The protected documents can be exported to and imported from docx and XAML.

Tab Stops, First-Line and Hanging Indents

The editor supports tab-stops and different first-line and hanging indents in a paragraph. The feature is backed up by the UI as well - DocumentRuler has been extended to include these options.

RadRichTextBoxRibbonUI Based on RadRibbonView

RadRichTextBoxRibbonUI now uses the new RadRibbonView control instead of RadRibbonBar, which enriches the functionality

Integration with Test Studio and Testing Framework

The new wrappers of RadRichTextBox's API enable the easy preparation of automated tests using Test Studio and TestingFramework, thus providing for better tested solutions and maintainable code.

Older goodness

Bookmarks and Hyperlinks to them

Custom bookmarks can be added to the document in order to allow easier navigation.

Headers and footers

Headers and footers in the document are now supported. You can have different headers and footers on odd and even pages and custom headers and footers on the first page of your documents.

Support for Image Blocks

Now images can be added to the document not only as inline, but also as floating blocks, having text flow/wrap around them. The customization options can be viewed and utilized through a new dialog, which can be opened from the context menu by choosing the "Text Wrapping" option.

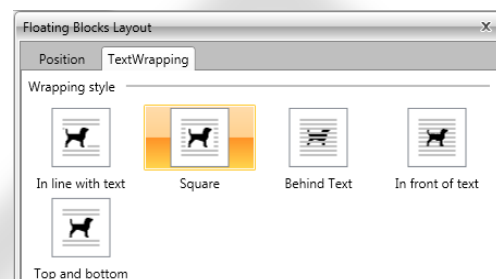
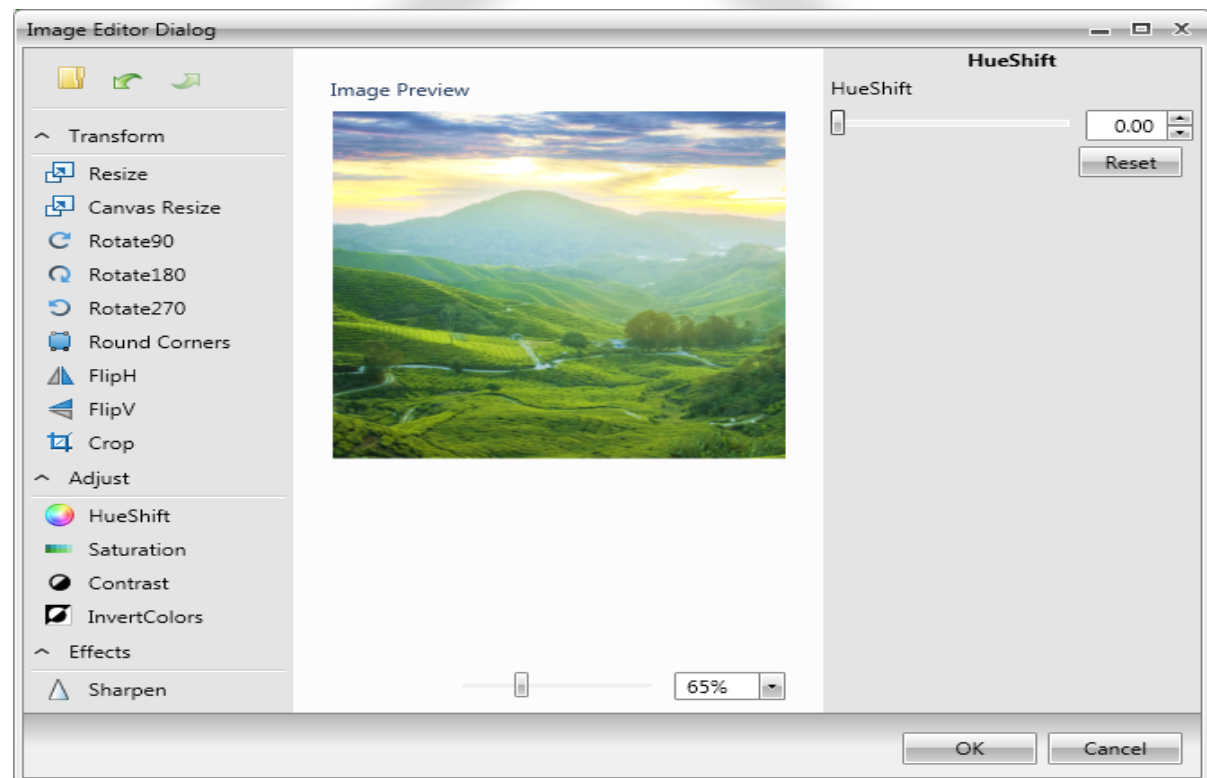


Image editor

We are introducing a new control called ImageEditor which provides editing options for the images in your document. It is tightly integrated with the rich text box and allows applying transformations and adjustments of the image in place, without the need to open them in another program.



Input Method Editors and RTL

The RichTextBox now supports writing in languages that require Input Method Editors. You can get a preview of it just by setting the Language to Chinese/Japanese/Korean and the keyboard input type to Microsoft IME.

And some text in RTL:

Text Formatting Options

The RichTextBox supports a vast scope of formatting options. You can see a list of some of them below:

- Bold, italic, underlines, strike-through, superscript and subscript
- Different fonts and sizes, text color, highlighting and paragraph color
- Paragraph alignment and indentation
- Multilevel bullet and numbered lists
- Nested tables with different row and column span, cell alignment and border styles.

Import and Export

The control allows import and export of documents in different formats, as specified in the table below:

Format	Import	Export
 XAML		
 HTML		
 RTF		
 DOCX		
 Text		
 PDF		

Multi-Region Selection and Editing

The built-in multi-region selection support enables you to perform various operations for more than one selection simultaneously:

- Apply/remove formatting
- Delete text
- Copy/paste – allows copy/paste from Word, OpenOffice etc.

Table Support

The table support of RichTextBox includes inserting of tables, defining the number of rows and columns, inserting additional rows and columns or deleting them. These operations can be triggered through the context menu or the ribbon bar. Other supported functions are copy/paste of tables, row and column span, dynamic resize and various border settings.

Multiple Views

TelerikRichTextBox supports three layout types:

1. Paged (Print) layout with arbitrary page size, predefined page sizes and margins
2. Flow layout – resembles Microsoft Word Web Layout. When it is in this mode, the editor will automatically re-arrange the document's content to fit the available space.
3. Flow-no-wrap - in this layout mode, the control's width changes depending on the largest paragraph in the document.

Hyperlinks, Annotations and Comments

The rich text box supports bookmarks and hyperlinks which can point to external pages, as well as to annotations in the document. This is very convenient as it provides the means for easier navigation in the document and enables features like table of contents.

Multilevel Lists

Multilevel lists shows its items at different levels rather than one. There are a few predefined list styles – bulleted and numbered among them, but custom ones can be registered through the API too.

Printing

RadRichTextBox provides support for native printing. In Silverlight you can also use HTML printing with better performance to suit a wide range of scenarios.

Spell Checking

The built-in spell-checker automatically underlines all misspelled words and upon right clicking provides correction options in the context menu just like MS Word does. The Spell Checker also supports custom dictionaries, adding words not included in the dictionary, finding the next error and ignoring all occurrences of a word not present in the dictionary.

UI Virtualization

To keep performance optimal, Telerik RichTextBox control utilizes the concept of UI virtualization. UI elements, such as Canvases and TextBlocks, which are used when showing the contents of the document, are only created for the visible elements in the editor. This enables the RichTextBox control to easily handle large documents, i.e. 500+ Microsoft Word pages (A4 Format).

Key Bindings

By default the rich text box executes commands on key combinations, such as CTRL+C, CTRL+V, CTRL+U, etc. Now, these key bindings can be overridden and customized to the liking of the user.

Built-in UI to Back up All Formatting Options in the Control

RadRichTextBoxRibbonUI

Out of the box, the RichTextBoxRibbonUI will automatically create full featured editing UI, based on RadRibbonView for you, with only XAML, right after you drop it onto the designer surface in just a few seconds. It also can be set to command different instances of RadRichTextBox by setting a single property.

Context Menu

The built-in context menu allows you to format the text, change misspelled words, add hyperlinks, copy/cut/paste text, edit paragraph and table properties. What is more, the menu is extensible and you can programmatically add new items depending on the context.

Floating Menu

The floating menu appears upon selecting text in the RichTextBox and allows you to format your selection.

Ruler to Control Section Margins

The rich text box makes use of an additional control – DocumentRuler to control section margins and table column width.

Dialogs

Here is a list of some of the dialogs that come out of the box with the RichTextBox:

Formatting dialogs:

- o FontPropertiesDialog
- o ParagraphPropertiesDialog

TableDialogs:

- o InsertTableDialog
- o TableBordersDialog
- o TablePropertiesDialog

FindReplaceDialog

InsertHyperlinkDialog

InsertSymbolDialog

ManageBookmarksDialog

SpellCheckingDialog

Customizations and Extensibility

The RichTextBox, including all pop-ups and messages can be fully localized, as it supports localization through ResourceDictionaries.

High level of extensibility is also guaranteed by MEF (MS Managed Extensibility Framework). Various parts of RadRichTextBox, like FormatProviders, ContextMenu, Toolbars, Dialogs, Spellchecking and Dictionaries can be extended or fully replaced following MEF rules.