

# RichTextBoxStreamType Enumeration

## .NET Framework (current version)

- [Visual Studio 2010 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.100\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.100).aspx)
- [.NET Framework 4 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.100\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.100).aspx)
- [Visual Studio 2008 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.90\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.90).aspx)
- [.NET Framework 3.5 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.90\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.90).aspx)
- [.NET Framework 3.0 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.85\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.85).aspx)
- [.NET Framework 2.0 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.80\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.80).aspx)
- [.NET Framework 1.1 <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.71\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.71).aspx)

## Note

The .NET API Reference documentation has a new home. Visit the [.NET API Browser <https://docs.microsoft.com/dotnet/api/?view=netframework-4.7.1>](https://docs.microsoft.com/dotnet/api/?view=netframework-4.7.1) on docs.microsoft.com to see the new experience

Specifies the types of input and output streams used to load and save data in the [RichTextBox <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx) control.

**Namespace:** [System.Windows.Forms <https://msdn.microsoft.com/en-us/library/system.windows.forms\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms(v=vs.110).aspx)

**Assembly:** System.Windows.Forms (in System.Windows.Forms.dll)

## Syntax

[C# <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.110\).aspx?cs-save-lang=1&cs-lang=csharp>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.110).aspx?cs-save-lang=1&cs-lang=csharp)

[C++ <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.110\).aspx?cs-save-lang=1&cs-lang=cpp>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.110).aspx?cs-save-lang=1&cs-lang=cpp)

[F# <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.110\).aspx?cs-save-lang=1&cs-lang=fsharp>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.110).aspx?cs-save-lang=1&cs-lang=fsharp)

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```
<javascript:if%20(window.epx.codeSnippet)window.epx.codeSnippet.copyCode('CodeSnippetContainerCode_277b8d10-5cbb-43f7-9cf3-330e224e5d27');>
```

```
Public Enumeration RichTextBoxStreamType
```

# Members

Member name	Description
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PlainText	A plain text stream that includes spaces in places of Object Linking and Embedding (OLE) objects.
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RichNoOleObjs	A Rich Text Format (RTF) stream with spaces in place of OLE objects. This value is only valid for use with the <a href="https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx">SaveFile &lt;https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx&gt;</a> method of the <a href="https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx">RichTextBox &lt;https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx&gt;</a> control.
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RichText	A Rich Text Format (RTF) stream.
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TextTextOleObjs	A plain text stream with a textual representation of OLE objects. This value is only valid for use with the <a href="https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx">SaveFile &lt;https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx&gt;</a> method of the <a href="https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx">RichTextBox &lt;https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx&gt;</a> control.
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UnicodePlainText	A text stream that contains spaces in place of Object Linking and Embedding (OLE) objects. The text is encoded in Unicode.
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## Remarks

Use the members of this enumeration when calling the [LoadFile <https://msdn.microsoft.com/en-us/library/3f99sst7\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/3f99sst7(v=vs.110).aspx) and [SaveFile <https://msdn.microsoft.com/en-us/library/8bf5hy2e\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx) methods of the [RichTextBox <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx) control.

## Examples

The following example saves the contents of the [RichTextBox <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx) into an ASCII text file. The example uses the [SaveFileDialog <https://msdn.microsoft.com/en-us/library/system.windows.forms.savefiledialog\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.savefiledialog(v=vs.110).aspx) class to display a dialog to request the path and file name from the user. The code then saves the contents of the control to that file. The example uses this version of the [SaveFile <https://msdn.microsoft.com/en-us/library/8bf5hy2e\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx) method to specify that the file be saved as an ASCII text file instead of the standard Rich Text Format. This example assumes that the code is placed in a [Form <https://msdn.microsoft.com/en-us/library/system.windows.forms.form\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.form(v=vs.110).aspx) class that has a [RichTextBox <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox\(v=vs.110\).aspx>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx) control named richTextBox1.

[C# <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.110\).aspx?cs-save-lang=1&cs-lang=csharp>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.110).aspx?cs-save-lang=1&cs-lang=csharp)

[C++ <https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype\(v=vs.110\).aspx?cs-save-lang=1&cs-lang=cpp>](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextboxstreamtype(v=vs.110).aspx?cs-save-lang=1&cs-lang=cpp)

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[<javascript:if%20\(window.epx.codeSnippet\)window.epx.codeSnippet.copyCode\('CodeSnippetContainerCode\\_7a9737fc-fd4a-45e0-b65e-7fcd8a7c5f8d'\);>](javascript:if%20(window.epx.codeSnippet)window.epx.codeSnippet.copyCode('CodeSnippetContainerCode_7a9737fc-fd4a-45e0-b65e-7fcd8a7c5f8d');>)

```
Public Sub SaveMyFile()
```

```
    ' Create a SaveFileDialog to request a path and file name to save to.
```

```
    Dim saveFile1 As New SaveFileDialog()
```

```
    ' Initialize the SaveFileDialog to specify the RTF extension for the file.
```

```
    saveFile1.DefaultExt = "*.rtf"
```

```
    saveFile1.Filter = "RTF Files|*.rtf"
```

```
    ' Determine if the user selected a file name from the saveFileDialog.
```

```
    If (saveFile1.ShowDialog() = System.Windows.Forms.DialogResult.OK) _
```

```
        And (saveFile1.FileName.Length) > 0 Then
```

```
        ' Save the contents of the RichTextBox into the file.
```

```
        richTextBox1.SaveFile(saveFile1.FileName, _
```

```
            RichTextBoxStreamType.PlainText)
```

```
    End If
```

```
End Sub
```

## Version Information

**.NET Framework**

Available since 1.1

## See Also

[RichTextBox](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx) <[https://msdn.microsoft.com/en-](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx)

[us/library/system.windows.forms.richtextbox\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.forms.richtextbox(v=vs.110).aspx)>

[LoadFile](https://msdn.microsoft.com/en-us/library/3f99sst7(v=vs.110).aspx) <[https://msdn.microsoft.com/en-us/library/3f99sst7\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/3f99sst7(v=vs.110).aspx)>

[SaveFile](https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx) <[https://msdn.microsoft.com/en-us/library/8bf5hy2e\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/8bf5hy2e(v=vs.110).aspx)>

[System.Windows.Forms Namespace](https://msdn.microsoft.com/en-us/library/system.windows.forms.namespace(v=vs.110).aspx) <[\[us/library/system.windows.forms\\(v=vs.110\\).aspx\]\(https://msdn.microsoft.com/en-us/library/system.windows.forms\(v=vs.110\).aspx\)>](https://msdn.microsoft.com/en-</a></p></div><div data-bbox=)