



Software License Agreement

DOC to RTF Converter

For .NET

Vesion 16

1995-2026

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Getting Started

This chapter describes the contents of the software diskettes and provides a step by step process of incorporating DOC to RTF Converter into your application.

In This Chapter

[Files](#)

[License Key](#)

[Sample Conversion Code](#)



Files

The package contains the WRN.DLL, wrs11.DLL, wrw14.DLL files necessary to incorporate this product into your application.

The package also includes a set of files to construct a demo program. The demo program shows by example the process of linking the DLL to your program.

DLL Demo Files:

The following demo files are included in the c_demo.zip file.

demo.cs

Source code for the demo program

demo.exe	Executable demo program
demo.csproj	The project file to compile the demo.
AssemblyInfo.cs	Assembly information file

Visual Basic Interface and Demo Files:

Form1.vb	vb source file
dmo_vbn.vbproject	The project file for the visual basic demo program.
AssemblyInfo.vb	Assembly information file for the demo program.



License Key

Your License Key and License number are e-mailed to you after your order is processed. You would set the license information using the RpsSetLicenseInfo static function. This should be preferably done before creating the Wrn object to avoid pop-up nag screens.

```
int RpsSetLicenseInfo(String LicenseKey, String LicenseNumber, String CompanyName);
```

LicenseKey: Your license key is available in the product delivery email sent to you upon the purchase of the product. It consists of a string in the form of "xxxxx-yyyyy-zzzzz".

LicenseNumber: Your license number is also available in the product delivery email. The license number string starts with a "srab" or "smo" prefix.

CompanyName: Your company name as specified in your order.

Return Value: This method returns 0 when successful. A non-zero return value indicates an error condition. Here are the possible return values:

- 0 License application successful.
- 1 Invalid License Key.
- 2 Invalid License Number.
- 3 Ran out of available licenses. Please consider purchasing additional licenses.

Example:

```
result=Wrn.WrsSetLicenseInfo("xxxxx-yyyyy-zzzzz","srabnnnnn-n","Your Company Name")
```

Replace the 'xxxxx-yyyyy-zzzzz' by your license key, replace "srabnnnnn-n" with your license number, and "Your Company Name" with your company name as specified in your order.

Note: *WrsSetLicenseInfo method should be called only once at the beginning of your application. Calling this method for each conversion would degrade the conversion performance.*



Sample Conversion Code

Please copy the two dlls files to these folders:

1. Copy WRN.DLL to your project folder

2. Copy the wrs16.DLL, and wrw16.DLL files to the Windows' system32 folder. The wrs16.dll and wrw16.DLL files are referenced indirectly by WRN.DLL.

Now set namespace for the product:

```
using SubSystems.WR;           // C# example
Imports SubSystems.WR         ' VB Example
```

Now set the product license key and create an WRN type object:

```
Wrn.WrsSetLicenseInfo("xxxxx-yyyyy-zzzzz","srabnnnnn-n","my company name")
```

```
Wrn wr = new Wrn() // C# example
dim wr as Wrn      ' VB example
```

```
wr.InWebServer=true; // set InWebServer to true when hosting
                    // the converter in an ASP.NET app
```

Now use one of the following calls to convert from DOC to RTF format:

1. Convert a DOC file to an RTF file.

```
wr.WrsConvertFile("test.doc","test.rtf")
```

2. Convert a byte array containing DOC data to an RTF string

```
Dim InData() As Byte
```

```

Dim OutData As String

InData = wr.WrsFileToBytes(InFile)

If (Not IsNothing(InData)) Then
    If (InData.Length > 0) Then
        OutData = wr.WrsConvertBuffer(InData)
        If (OutData <> Nothing) Then
            ' write the memory to the output file
            result = WriteToFile(OutFile, OutData)
        End If
    End If
End If
End If

```

3. Convert a DOC file to an RTF string

```

Dim RtfString as string

RtfString = wr.WrsConvertFileToBuffer("test.doc")

```



Control Methods

These methods allow you to convert between doc and rtf formats. Please set the namespace for the Wrn class before using these methods:

```

using SubSystems.WR;           // C# example
Imports SubSystems.WR         ' VB Example

```

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[WrsConvertFile](#)

[WrsConvertFileToBuffer](#)

[WrsGetLastMessage](#)



WrsConvertBuffer

Convert doc to rtf using text string.

String WrsConvertBuffer(InData)

byte[] InData; // Input byte array containing DOC document.

Return value: This function returns a string containing the converted documented.

A null return values indicates an error.

Examples:

Convert a DOC byte array to an RTF string

```
Dim InData() As Byte
Dim OutData As String

InData = wr.WrsFileToBytes(InFile)

If (Not IsNothing(InData)) Then
    If (InData.Length > 0) Then
        OutData = wr.WrsConvertBuffer(InData)
        If (OutData <> Nothing) Then
            ' write the memory to the output file
            result = WriteToFile(OutFile, OutData)
        End If
    End If
End If
```



WrsConvertFile

Convert doc to rtf using disk files.

bool WrsConvertFile(InFile, OutFile)

```
string InFile;           // Input file containing DOC document

string OutFile;          // Output files, contains the converted document
```

Return value: This function returns TRUE when successful.

Examples:

Convert a DOC file to an RTF file.

```
wr.WrsConvertFile("test.doc", "test.rtf")
```



WrsConvertFileToBuffer

Convert doc file to an rtf string.

```
string WrsConvertFileToBuffer(InFile)
```

```
string InFile;           // Input file containing DOC document
```

Return value: This function returns a string containing the converted documented.

A null return values indicates an error.

Examples:

```
Dim RtfString as string
```

```
RtfString = wr.WrsConvertFileToBuffer("test.doc")
```



WrsGetLastMessage

Get the last message.

```
int WrsGetLastMessage(WrsMessage, DebugMessage);
```

```
string WrsMessage;           // Returns the default user message text in English

string DebugMsg;             // Returns any debug message associated with the last
                             // message. The debug message need not be displayed to
                             // the user.
```

Return Value: This function returns the last message generated by the editor. This value is valid only if saving of the messages is enabled by setting the HRFLAG_RETURN_MSG_ID flag. This flag is set using the WrsSetFlags method.



Control Properties

The control supports the following properties:

InWebServer

This property should be set to True when this control is used in a web server. When this property is set to True, the control suppress the display of any dialog and message boxes.