



Software License Agreement

HTML - RTF Converter fro .NET Core - windows (x64)

and

HTML - RTF Converter for For .NET Framework

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Getting Started

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

1. Add the reference for rpn.dll in your project.

Net Core: For the .NET core product, create a project reference for the included product package. The package name is found as rps.18.n.n.n.nupkg. The 'n.n.n' stands for the product minor release number. This is how your project file would appear:

```
<PackageReference Include="hrs" Version="20.0.0.0"/>
```

Also, please ensure that:

a) the target framework for your project file is set to net6.0-windows. Example:

```
<TargetFramework>net6.0-windows</TargetFramework>
```

b) the platform target should be set to x64. Example:

```
<PlatformTarget>x64</PlatformTarget>
```

2. Add the 'using' or 'Import' namespace statement for the project dll, example:

```
using SubSystems.HR
```

or

```
Import SubSystems.HR
```

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Files

.NET Core: The .NET Core includes a nuget package called hrs.20.n.n.n.nupkg. The 'n.n.n' stands for the product minor release number.

.NET Framework: The zip folder contains the HRN.DLL, TESN31.DLL, and HSN26.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 `HrsSetLicenseInfo` static function. This should be preferably done before creating the `Hrn` object to avoid pop-up nag screens.

```
int HrsSetLicenseInfo(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 "xxxx-yyyy-zzzz".

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=Hrn.HrsSetLicenseInfo("xxxx-yyyy-zzzz","srabnnnn-n","Your Company Name")
```

Replace the 'xxxx-yyyy-zzzz' by your license key, replace "srabnnnn-n" with your license number, and "Your Company Name" with your company name as specified in your order.

Note: *HrsSetLicenseInfo* 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

.NET Core: Include the `hrs.20.n.n.n.nupkg` nuget package in your project. This is how your project file entry would appear:

```
<PackageReference Include="hrs" Version="20.0.0.0"/>
```

This package is included in the distribution zip folder.

.NET Framework: Please ensure that `HRN.DLL`, `TESN31.DLL`, and `HSN26.DLL` files are available in the project directory. Set the reference for `HRN.DLL` in your project. The

TESN31.DLL and HSN26.DLL are referenced indirectly by HRN.DLL.

Now set namespace for the product:

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

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

Hrn.HrsSetLicenseInfo("xxxxx-yyyyy-zzzzz","srabnnnnn-n","Your Company Name")

```
Hrn hr = new Hrn() // C# example
dim hr as Hrn      ' VB example
```

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

Now use one of the following calls to convert between HTML and RTF formats:

1. Convert an HTML file to an RTF file.

```
hr.HrsConvertFile("test.htm","test.rtf",
                  Hrn.XLATE_HTML_TO_RTF)
```

2. Convert an RTF file to an HTML file.

```
hr.HrsConvertFile("test.rtf","test.htm",
                  Hrn.XLATE_RTF_TO_HTML)
```

3. Convert an HTML string to an RTF string

```
Dim RtfString as string

RtfString = hr.HrsConvertBuffer(HtmlString,
                                Hrn.XLATE_HTML_TO_RTF)
```

4. Convert an RTF string to an HTML string

```
Dim HtmlString as string

HtmlString= hr.HrsConvertBuffer(RtfString,
                                Hrn.XLATE_RTF_TO_HTML)
```



Control Methods

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

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

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HrsConvertBuffer

Convert html to/from rtf using text string.

String HrsConvertBuffer(InString, XlateType)

String InString; // Input string containing HTML or RTF document.

int XlateType; // Translation type

XLATE_HTML_TO_RTF HTML to RTF conversion. The input-string must contain an HTML document.

XLATE_RTF_TO_HTML RTF to HTML conversion. The input-string must contain an RTF document.

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

A null return values indicates an error.

Examples:

Convert an HTML string to an RTF string

```
Dim RtfString as string

RtfString = hr.HrsConvertBuffer(HtmlString,
                                Hrn.XLATE_HTML_TO_RTF)
```

Convert an RTF string to an HTML string

```
Dim HtmlString as string

HtmlString= hr.HrsConvertBuffer(RtfString,
                                Hrn.XLATE_RTF_TO_HTML)
```



HrsConvertFile

Convert html to/from rtf using disk files.

```
bool HrsConvertFile(InFile, OutFile, XlateType)
```

```
string InFile;           // Input file containing HTML or RTF document
```

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

```
int XlateType;          // Translation type
```

```
    XLATE_HTML_TO_RTF    HTML to RTF conversion. The input-file must
                        contain an HTML document.
```

```
    XLATE_RTF_TO_HTML    RTF to HTML conversion. The input-file must
                        contain an RTF document.
```

Return value: This function returns TRUE when successful.

Examples:

1. Convert an HTML file to an RTF file.

```
hr.HrsConvertFile("test.htm", "test.rtf",
                  Hrn.XLATE_HTML_TO_RTF)
```

2. Convert an RTF file to an HTML file.

```
hr.HrsConvertFile("test.rtf","test.htm",  
                Hrn.XLATE_RTF_TO_HTML)
```



HrsGetLastMessage

Get the last message.

```
int HrsGetLastMessage(HrsMessage, DebugMessage);
```

```
string HrsMessage;           // 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 HrsSetFlags method.



HrsGetPictCount

Return total number of pictures found during conversion.

```
int HrsGetPictCount()
```

Description: This function is called after converting a file to get the number of pictures encountered during conversion. The picture names can be retrieved by using the HrsGetPictName function.

Return Value: When converting from rtf to html formats, it returns the number of picture files referenced in the output html file. When converting from html to rtf format, the function returns the number pictures found in the input html file.



HrsGetPictName

	Generate just html segment.
HRFLAG_EMBED_PICTURE	Embed the pictures into the output RTF file (instead of inserting picture links).
HRFLAG_LIST_TO_TEXT	Convert rtf lists to text numbers in html output.
HRFLAG_NO_SPAN_TAG	Do not write the 'span' tag to html output.
HRFLAG_NO_FONT	Do not write the 'font' tag to html output.
HRFLAG_FLASH_SUPPORT	Write html tags to support Flash.
HRFLAG_XLATE_SINGLE_QUOTE	Write single quote character as ' to html output.

Return value: This function returns the new value of all the flags. Call this function with the 'flags' parameter set to zero to retrieve flag values without modifying it.



HrsSetHdrFtrText

Set header or footer text when converting from html to rtf.

bool HrsSetHdrFtrText(HdrFtrType, TextType, text)

int HdrFtrType;	Select header or footer to set:
HR_FIRST_HDR	Header text to print on the first page.
HR_FIRST_FTR	Footer text to print on the first page..
HR_HDR	Regular header for all pages. When the first page header is also set, then the regular header text is printed on all pages except the first page.
HR_FTR	Regular footer for all pages. When the first page footer is also set, then the regular footer text is printed on all pages except the first page.

PaperKind.Custom.

Return Value: This method returns TRUE when successful.

Comment: This method is used to override the default letter size paper when converting an HTML document to the RTF format. This method should be called before calling the HrsConvertFile or HrsConvertBuffer methods if you wish override the paper size.



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.

ProjectFolder

Set this property to the folder containing your project, such as c:\inetpub\wwwroot\MyProject. This information helps the converter locate the images which use relative path. It is also used for creating any temporary files.

WebFolder

The folder where the embedded pictures in rtf input are to be stored when converting from rtf to html.

SrcTagFolder

The folder name to add to the 'src' tag file name while saving embedded pictures in rtf when converting from rtf to html.

PictureNamePrefix

The prefix string to use to build the picture file name when converting from rtf to html. The default prefix string is 'HTS_'.

