



# Software License Agreement

## **DOC to PDF Converter**

Vesion 16

For Win32/Win64

2008-2024

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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 PDF Converter into your application.

### In This Chapter

[Files](#)

[License Key](#)

[Incorporating the DLL into Your Application](#)

[Sample Conversion Code](#)



## Files

The package contains the DLL and header files. 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.C

Source code for the demo program

DEMO.H	Include file for the demo program
DEMO.RC	Resource source file for the demo program
DEMO.DEF	Definition file for linking the demo program
DEMO.EXE	Executable demo program
DEMO_DLG.H	Dialog Identifiers for the demo program
DEMO_DLG.DLG	Dialog templates for the demo program
DEMO_DLG.RES	Compiled dialogs for the demo program
WPS.H	The <i>include</i> file to include into a C/C++ application module that calls the Wps routine. It contains the constant definitions and the prototypes for the API functions.
WPS32.DLL	The DLL file
WPS32.LIB	Import library for WPS32 DLL
ter31.dll	Used internally by WPS32.DLL
pd32.dll	Used internally by WPS32.DLL
txml2.dll	Used internally by WPS32.DLL
wrs15.dll	Used Internally by WPS32.DLL
WPCC.DLL	Wrapper DLL to used with an ASP page

**Visual Basic Interface and Demo Files:**

WPS.BAS	Function declaration file.
DMO_VB.FRM	Demo form file.
DMO_VB.BAS	Demo variable declaration file.
DMO_VB.VPB	Demo project file.



## 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 WpsSetLicenseInfo static function. This should be preferably done before creating the converter session to avoid pop-up nag screens.

```
int WpsSetLicenseInfo(LPBYTE LicenseKey, LPBYTE LicenseNumber, LPBYTE  
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=WpsSetLicenseInfo("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:** *WpsSetLicenseInfo method should be called only once at the beginning of your application. Calling this method for each conversion would degrade the conversion performance.*

Also, you can use the WpsGetLicenseStatus function at anytime to retrieve the license status.



## Incorporating the DLL into Your Application

A C/C++ application should include the WPS.h file into the application module that needs to call the WPS32.dll. It also should include the WPS32.LIB as the linker library. Please refer to the demo application for an example.

A Visual Basic application needs to include the WPS.BAS file in the project. Please refer to the DMO\_VB project for an example.

Please also make sure that the wps32.dll, pdc32.dll, txml2.dll, wrs15.dll and ter31.dll files are copied to a directory available at run-time.



## Sample Conversion Code

First you would create a new conversion session:

```
dim id as long
```

Set the product [license key](#) and create a session id:

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

```
id = WpsNewSession()
```

You would use the session id to call other conversion functions.

Here are sample code examples to convert Word DOC/DOCX to PDF format.

### 1. Convert an DOC file to an PDF file.

```
WpsConvertFile(id,"test.doc","test.pdf")
```

### 2. Convert an DOC string to an PDF string

```
Dim hMem as long
```

```
Dim OutSize as long
```

```
Dim DocString as string
```

```
hMem = WpsConvertBuffer(id,DocString, Len(DocString),  
OutSize)
```

```
If (hMem <> 0) Then
```

```
    PdfString = Space$(OutSize + 1) ' allocate space for the  
                                   output string
```

```
    WpsHandleToStr(PdfString, OutSize, hMem) ' copy pdf from
```

```
        hMem global handle to the PdfString variable.  
    End If
```

*After the conversion process, end the session by calling the WpsEndSession function. This frees up the memory used by the session.*

```
WpsEndSession(id)
```



## Application Interface functions

These API functions allow you to convert from doc to pdf format. Your application must include the WPS.H file (c/c++), or WPS.BAS (VB) files. These files declare these functions.

The following is a description of the Wps API functions in an alphabetic order:

### In This Chapter

- [WpsConvertBuffer](#)
- [WpsConvertDocToPdfBytes](#)
- [WpsConvertFile](#)
- [WpsEndSession](#)
- [WpsGetLastMessage](#)
- [WpsGetLicenseStatus](#)
- [WpsHandleToStr](#)
- [WpsNewSession](#)
- [WpsResetLastMessage](#)
- [WpsSetFlags](#)
- [WpsSetBoolProp](#)
- [WpsSetNumProp](#)
- [WpsSetTextProp](#)



## WpsConvertBuffer

**Convert doc to pdf using memory buffers.**

HGLOBAL WpsConvertBuffer(id, InString, InStringLen, OutStringLen)

DWORD id;	Session id.
LPBYTE InString;	Input string containing DOC document.
int InStringLen;	length of the input document string.
LPINT OutStringLen;	The variable to receive the length of the converted document.

**Return value:** This function returns a global memory handle containing the converted documented. You can either use the WpsHandleToStr or GlobalLock functions to access the data string contained in this global memory handle. GlobalLock is a Windows SDK function.

A null return values indicates an error.

**Examples:**

```

Dim hMem as long
Dim OutSize as long
Dim DocString as string

hMem = WpsConvertBuffer(id,DocString, Len(DocString),
OutSize)
If (hMem <> 0) Then
    PdfString = Space$(OutSize + 1) ' allocate space for the
                                   output string
    WpsHandleToStr(PdfString, OutSize, hMem) ' copy pdf from
                                   hMem global handle to the PdfString variable.
End If

```



## WpsConvertDocToPdfBytes

**Convert DOC string to PDF byte array.**

ByteArray WpsConvertDocToPdfBytes(InString)

string InString;                    Input string containing DOC document.

**Remark:** This method is available only when using the wpc.dll COM object.

**Return value:** This function returns byte array containing the converted documented.



**Description:** This function is called at the end of the conversion process to free up the session related resources.

**Return Value:** The function returns TRUE when successful.



## WpsGetLastMessage

**Get the last message.**

int WpsGetLastMessage(id, WpsMessage, DebugMessage);

DWORD id;	Session id.
LPBYTE WpsMessage;	Returns the default user message text in English
LPBYTE 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 WPFLAG\_RETURN\_MSG\_ID flag. This flag is set using the WpsSetFlags function.



## WpsGetLicenseStatus

**Get the license status.**

int WpsGetLicnseStatus()

**Return Value:**

- 0 License application successful.
- 1 Invalid License Key.
- 2 Invalid License Number.
- 3 Ran out of available licenses. Please consider purchasing additional licenses.
- 4 The evaluation period has expired.

You can use the WpsGetLicenseStatus function at anytime to retrieve the license status.



## WpsHandleToStr

**Convert a global memory handle to a Visual Basic string.**

BOOL WpsHandleToStr(string, length, hMem)

LPBYTE string;                      pointer to a visual basic string

long length                          length of the string

HGLOBAL hMem;                      Global memory handle

**Description:** This function can be used to copy the contents of a global memory handle to a given visual basic string. The calling routine must expand the string to appropriate length before calling this function.

**Example:**

```
string=space(length)
HandleToStr(string,length,hMem)
```

The input global memory handle is freed up after copying its contents to the string.

**Return Value:** This function returns TRUE if successful.



## WpsNewSession

**Create a new conversion session.**

DWORD WpsNewSession()

**Description:** This function needs to be called before calling any other conversion function. This function creates a new conversion session.

The WpsEndSession must be called at the end to free up the session resources. All other conversion functions are called between the calls to the WpsNewSession and WpsEndSession functions.

**Return Value:** The function returns a non-zero session-id when successful. A zero value indicates a fail return.









```
call obj.SetFlags(1,obj.VAL_WPFLAG_RETURN_MSG_ID) ' quiet mode

' read the test.docx file into a string
DocString=""
DocString =
    obj.FileToString("c:\inetpub\wwwroot\DmoWpc\test.doc")

if len(DocString) > 0 then
    PdfBytes = obj.ConvertDocToPdfBytes(CStr(DocString))
End If

Set obj = Nothing

%>

<html>
<head>
</head>

<body>
<p> Some text before </p>

<%
    Response.Clear()
    Response.Charset = ""
    Response.ContentType = "application/pdf"

Response.AddHeader "Content-Disposition", "inline;filename="
    + "test.pdf"

Response.BinaryWrite(PdfBytes)

Response.Flush()
Response.End()

%>
```

```
<p> Some text after </p>  
</body>  
</html>
```

---

When the above asp file is loaded, IE displays generated pdf codes

---

The method names used by the wpc.dll are the same as the functions mentioned in the Application Interface functions. However the 'Wps' prefix is not used by the wpc method names. For example, the WpsConvertFile function is named as ConvertFile within the wpc.dll file.

Also, the constants values are prefixed with an 'VAL\_' prefix. For example, the constant WPFLAG\_SEGMENT\_ONLY becomes VAL\_WPFLAG\_SEGMENT\_ONLY.