

DWG to PDF .NET by SkySof Software Inc. (www.skysof.com)

A component for ASP .NET, Visual Basic .NET and C# Developers for creating PDF files from AutoCAD drawing files (DWG, DWF, DXF).

Download the free trial from <http://www.getfilez.com/dwgnet.exe>

How to use DWG to PDF .NET

- 1) Open Visual Studio .NET
- 2) Create a new Windows Form Application using the Visual Basic .NET language
- 3) Add a reference to DWGTOPDF.DLL located at C:\Program Files\DWG to PDF .NET DLL\DWGTOPDF.DLL. On 64-bit systems the

file path is C:\Program Files (x86)\DWG to PDF .NET DLL\DWGTOPDF.DLL

- 4) Add a Command Button and WebBrowser control to the Form and enter the following code in the Command Button's Click event:

```
'Code to create a PDF from all layouts in an AutoCAD Drawing
```

```
Private p As SkySof.dwgtopdf
```

```
WebBrowser1.Navigate("")
```

```
Try
```

```
    p = New SkySof.dwgtopdf 'instantiate the DWG to PDF .NET object
```

```
    '32-bit systems
```

```
    p.DWGfile = "C:\Program Files\DWG to PDF .NET DLL\office.dwg" 'AutoCAD drawing file to use
```

```
    p.PDFfile = "C:\Program Files\DWG to PDF .NET DLL\all.pdf" 'PDF file to create
```

```
    p.PostScriptPath = "C:\Program Files\DWG to PDF .NET DLL" 'Path where PostScript (PS) files reside
```

```
    'On 64-bit systems the folder is C:\Program Files (x86)
```

```
    'p.DWGfile = "C:\Program Files (x86)\DWG to PDF .NET DLL\office.dwg"
```

```
    'p.PDFfile = "C:\Program Files (x86)\DWG to PDF .NET DLL\all.pdf"
```

```
    'p.PostScriptPath = "C:\Program Files (x86)\DWG to PDF .NET DLL"
```

```
    'p.FontPath = "C:\MyPath" 'The folder where AutoCAD Fonts reside
```

```
    p.Height = 610.0
```

```
    p.Width = 914.0
```

```
    p.BlackBackground = True
```

```
    p.DotsPerInch = 100 'Use 300 for better resolution - however, it wil take more time to create the PDF
```

```

'p.ExcludeLayer = "0" 'do not include this layer in the PDF
'p.ExcludeLayer = "XF" 'or this layer
'p.ExcludeLayer = "CL" 'or this layer
p.ConvertNonPrintLayer = False
If File.Exists(p.PDFfile) Then
    File.Delete(p.PDFfile)
End If
p.CreatePDF() 'create the PDF file!
WebBrowser1.Navigate(p.PDFfile) 'display the PDF in the browser
Catch ex As Exception
    MessageBox.Show(ex.Message & vbCrLf & vbCrLf & "Please try again", "Error Message")
Finally
    p = Nothing
End Try

```

5) Add a second command button to the form and add the following code to the click event:

```

'Code to create a PDF from a specific layout in an AutoCAD Drawing
Private p As SkySof.dwgtopdf
WebBrowser1.Navigate("")
Try
    p = New SkySof.dwgtopdf 'instantiate the DWG to PDF .NET object
    '32-bit systems
    p.DWGfile = "C:\Program Files\DWG to PDF .NET DLL\office.dwg" 'AutoCAD drawing file to use
    p.PDFfile = "C:\Program Files\DWG to PDF .NET DLL\single.pdf" 'PDF file to create
    p.PostScriptPath = "C:\Program Files\DWG to PDF .NET DLL" 'Path where PostScript (PS) files
reside
    'On 64-bit systems the folder is C:\Program Files (x86)
    'p.DWGfile = "C:\Program Files (x86)\DWG to PDF .NET DLL\office.dwg"
    'p.PDFfile = "C:\Program Files (x86)\DWG to PDF .NET DLL\single.pdf"
    'p.PostScriptPath = "C:\Program Files (x86)\DWG to PDF .NET DLL"
    p.Height = 610.0
    p.Width = 914.0
    p.BlackBackground = True

```

p.DotsPerInch = 100 'Use 300 for better resolution - however, it will take more time to create the PDF

'p.ExcludeLayer = "0" 'do not include this layer in the PDF

'p.ExcludeLayer = "XF" 'or this layer

'p.ExcludeLayer = "CL" 'or this layer

If File.Exists(p.PDFfile) Then

File.Delete(p.PDFfile)

End If

p.CreatePDFfromLayout("Layout1") 'Create the PDF file from the specified layout

WebBrowser1.Navigate(p.PDFfile) 'display the PDF in the browser

Catch ex As Exception

MessageBox.Show(ex.Message & vbCrLf & vbCrLf & "Please try again", "Error Message")

Finally

p = Nothing

End Try

6) Add a third command button to the form and add the following code to the click event:

'Code to create a PDF from each layout in an AutoCAD Drawing

Private p As SkySof.dwgtopdf

Try

p = New SkySof.dwgtopdf 'instantiate the DWG to PDF .NET object

'32-bit systems

p.DWGfile = "C:\Program Files\DWG to PDF .NET DLL\office.dwg" 'AutoCAD drawing file to use

p.PostScriptPath = "C:\Program Files\DWG to PDF .NET DLL" 'Path where PostScript (PS) files reside

'On 64-bit systems the folder is C:\Program Files (x86)

'p.DWGfile = "C:\Program Files (x86)\DWG to PDF .NET DLL\office.dwg"

'p.PostScriptPath = "C:\Program Files (x86)\DWG to PDF .NET DLL"

p.Height = 610.0

p.Width = 914.0

p.BlackBackground = False

p.DotsPerInch = 100

p.BackgroundColor = 1 'Red The 255 available colors can be found at C:\Program Files\DWG to PDF .NET DLL\colors.htm

```

Dim i As Integer

'set pen line widths in millimeters - there are 255 total different colored pens

For i = 1 To 255

    p.PenWidth(i) = 0.1

Next

'create a PDF file for each layout

For i = 1 To p.LayoutCount

    'Either the layout index or name can be passed to layout parameter of method
CreatePDFfromLayout

        p.CreatePDFfromLayout(i, Application.StartupPath & "\attext_" & i.ToString & ".pdf")

        'p.CreatePDFfromLayout(p.LayoutName(i), Application.StartupPath & "\attext_" & i.ToString &
".pdf")

    Next

    MsgBox(CStr(i - 1) & " PDFs created in folder " & Application.StartupPath)

Catch ex As Exception

    MessageBox.Show(ex.Message & vbCrLf & vbCrLf & "Please try again", "Error Message")

Finally

    p = Nothing

End Try

```

7) Run the application and click the buttons to create the PDF files

Note: If you intend to distribute DWG to PDF .NET with your application on another machine you should first run the install program at <http://www.getfilez.com/dwgnet.exe> to install the necessary DLL files.

For other fine software (the majority free) please visit www.skysof.com

Please send inquiries to kusluski@nc.rr.com