

How to use PDF layers in VB.NET and ByteScout PDF SDK

This tutorial will show how to use PDF layers in VB.NET

Learn how to use PDF layers in VB.NET with this source code sample. ByteScout PDF SDK can use PDF layers. It can be used from VB.NET. ByteScout PDF SDK is the pdf library that can create, update and modify PDF files. Supports text with fonts and style selections, layers, form fields, drawing lines and objects, automatic tables, images. Can be used to create and fill pdf forms.

The SDK samples like this one below explain how to quickly make your application do use PDF layers in VB.NET with the help of ByteScout PDF SDK. Follow the instructions from the scratch to work and copy the VB.NET code. Code testing will allow the function to be tested and work properly with your data.

Trial version of ByteScout PDF SDK is available for free. Source code samples are included to help you with your VB.NET app.

VB.NET - Program.vb

```
Imports System.Drawing
Imports Bytescout.PDF

'''
''' This example demonstrates how to add layers with optional content.
'''

Class Program

    Shared Sub Main()

        ' Create new document
        Dim pdfDocument = New Document()
        pdfDocument.RegistrationName = "demo"
        pdfDocument.RegistrationKey = "demo"

        ' Add page
        Dim page = New Page(PaperFormat.A4)
        pdfDocument.Pages.Add(page)

        Dim canvas = page.Canvas

        ' Add main layer
        Dim allContents = New Layer("Main Layer")
        canvas.BeginMarkedContent(allContents)

        ' Add sub-layer
```

```

Dim layer1 = New Layer("Square")
canvas.BeginMarkedContent(layer1)
canvas.DrawRectangle(New ByteScout.PDF.SolidBrush(New ColorRGB(0, 255, 0)),
20, 20, 100, 100)
canvas.EndMarkedContent()

' Add second sub-layer
Dim layer2 = New Layer("Circle")
canvas.BeginMarkedContent(layer2)
canvas.DrawCircle(New ByteScout.PDF.SolidBrush(New ColorRGB(255, 0, 0)), 70,
180, 50)
canvas.EndMarkedContent()

' Add third sub-layer
Dim layer3 = New Layer("Triangle")
canvas.BeginMarkedContent(layer3)
canvas.DrawPolygon(New ByteScout.PDF.SolidBrush(New ColorRGB(0, 0, 255)), New
PointF() {New PointF(20, 340), New PointF(70, 240), New PointF(120, 340)})
canvas.EndMarkedContent()

canvas.EndMarkedContent()

pdfDocument.OptionalContents.Layers.Add(layer1)
pdfDocument.OptionalContents.Layers.Add(layer2)
pdfDocument.OptionalContents.Layers.Add(layer3)
pdfDocument.OptionalContents.Layers.Add(allContents)

' Configure layers

' Group sub-layers
Dim group = New OptionalContentGroup()
group.Add(New OptionalContentGroupLayer(layer1))
group.Add(New OptionalContentGroupLayer(layer2))
group.Add(New OptionalContentGroupLayer(layer3))

' Order sub-layers
pdfDocument.OptionalContents.Configuration.Order.Add(New
OptionalContentGroupLayer(allContents))
pdfDocument.OptionalContents.Configuration.Order.Add(group)

' Make the third layer invisible by default (for example)
pdfDocument.OptionalContents.Configuration.OFF.Add(layer3)

' Force the PDF viewer to show the layers panel initially
pdfDocument.PageMode = PageMode.OptionalContent

' Save document to file
pdfDocument.Save("result.pdf")

' Cleanup
pdfDocument.Dispose()

' Open document in default PDF viewer app
Process.Start("result.pdf")

End Sub

End Class

```

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