

## How to use pdf layers with pdf sdk in VB.NET and ByteScout Premium Suite

If you want to learn more then this tutorial will show how to use pdf layers with pdf sdk in VB.NET

The sample source code below will teach you how to use pdf layers with pdf sdk in VB.NET. ByteScout Premium Suite: the set that includes 12 SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording. It can use pdf layers with pdf sdk in VB.NET.

Want to save time? You will save a lot of time on writing and testing code as you may just take the VB.NET code from ByteScout Premium Suite for use pdf layers with pdf sdk below and use it in your application. IF you want to implement the functionality, just copy and paste this code for VB.NET below into your code editor with your app, compile and run your application. Enjoy writing a code with ready-to-use sample codes in VB.NET.

ByteScout provides the free trial version of ByteScout Premium Suite along with the documentation and source code samples.

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Source Code Files:

```
Imports System.Drawing
Imports Bytestcout.PDF

''' <summary>
''' This example demonstrates how to add layers with optional content.
''' </summary>
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 Bytestcout.PDF.SolidBrush(New ColorRGB(0, 255, 0)), 20, 20, 20, 20)
        canvas.EndMarkedContent()

        ' Add second sub-layer
        Dim layer2 = New Layer("Circle")
        canvas.BeginMarkedContent(layer2)
        canvas.DrawCircle(New Bytestcout.PDF.SolidBrush(New ColorRGB(255, 0, 0)), 70, 10, 10)
        canvas.EndMarkedContent()

        ' Add third sub-layer
        Dim layer3 = New Layer("Triangle")
        canvas.BeginMarkedContent(layer3)
        canvas.DrawPolygon(New Bytestcout.PDF.SolidBrush(New ColorRGB(0, 0, 255)), New Point(0, 0), New Point(10, 0), New Point(5, 10))
        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(layer3))
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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## VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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