

How to print pdf with pdf renderer sdk in VB.NET with ByteScout Premium Suite

This code in VB.NET shows how to print pdf with pdf renderer sdk with this how to tutorial

The sample source codes on this page shows how to print pdf with pdf renderer sdk in VB.NET. Want to print pdf with pdf renderer sdk in your VB.NET app? ByteScout Premium Suite is designed for it. ByteScout Premium Suite is the bundle that includes twelve SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

The following code snippet for ByteScout Premium Suite works best when you need to quickly print pdf with pdf renderer sdk in your VB.NET application. This VB.NET sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! Check VB.NET sample code samples to see if they respond to your needs and requirements for the project.

Our website gives trial version of ByteScout Premium Suite for free. It also includes documentation and source code samples.

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Source Code Files:

Form1.Designer.vb

```

Partial Class Form1
    ''' <summary>
    ''' Required designer variable.
    ''' </summary>
    Private components As System.ComponentModel.IContainer = Nothing

    ''' <summary>
    ''' Clean up any resources being used.
    ''' </summary>
    ''' <param name="disposing">true if managed resources should be disposed; otherwise, false; disposing is true if the current
Protected Overrides Sub Dispose(disposing As Boolean)
    If disposing AndAlso (components IsNot Nothing) Then
        components.Dispose()
    End If
    MyBase.Dispose(disposing)
End Sub

#Region "Windows Form Designer generated code"

    ''' <summary>
    ''' Required method for Designer support - do not modify
    ''' the contents of this method with the code editor.
    ''' </summary>
    Private Sub InitializeComponent()
        Dim resources As New System.ComponentModel.ComponentResourceManager(GetType(Form1))
        Me.printDocument1 = New System.Drawing.Printing.PrintDocument()
        Me.printPreviewDialog1 = New System.Windows.Forms.PrintPreviewDialog()
        Me.pageSetupDialog1 = New System.Windows.Forms.PageSetupDialog()
        Me.printDialog1 = New System.Windows.Forms.PrintDialog()
        Me.buttonPageSetup = New System.Windows.Forms.Button()
        Me.buttonPrintPreview = New System.Windows.Forms.Button()
        Me.buttonPrint = New System.Windows.Forms.Button()
        Me.SuspendLayout()
        '
        ' printDocument1
        '
        AddHandler Me.printDocument1.PrintPage, New System.Drawing.Printing.PrintPageEventHandler(Me.printDocument1.PrintPage)
        '
        ' printPreviewDialog1
        '
        Me.printPreviewDialog1.AutoScrollMargin = New System.Drawing.Size(0, 0)
        Me.printPreviewDialog1.AutoScrollMinSize = New System.Drawing.Size(0, 0)
        Me.printPreviewDialog1.ClientSize = New System.Drawing.Size(400, 300)
        Me.printPreviewDialog1.Document = Me.printDocument1
        Me.printPreviewDialog1.Enabled = True
        Me.printPreviewDialog1.Icon = DirectCast(resources.GetObject("printPreviewDialog1.Icon"), Icon)
        Me.printPreviewDialog1.Name = "printPreviewDialog1"
        Me.printPreviewDialog1.UseAntiAlias = True
        Me.printPreviewDialog1.Visible = False
        '
        ' pageSetupDialog1
        '
        Me.pageSetupDialog1.Document = Me.printDocument1
        '
        ' printDialog1
        '
        Me.printDialog1.Document = Me.printDocument1
        Me.printDialog1.UseEXDialog = True
    End Sub
End Class

```

```

    ' buttonPageSetup
    '
    Me.buttonPageSetup.Anchor = CType(((System.Windows.Forms.AnchorStyles.
    Me.buttonPageSetup.Location = New System.Drawing.Point(12, 12)
    Me.buttonPageSetup.Name = "buttonPageSetup"
    Me.buttonPageSetup.Size = New System.Drawing.Size(253, 41)
    Me.buttonPageSetup.TabIndex = 0
    Me.buttonPageSetup.Text = "Page Setup"
    Me.buttonPageSetup.UseVisualStyleBackColor = True
    AddHandler Me.buttonPageSetup.Click, New System.EventHandler(AddressOf
    '
    ' buttonPrintPreview
    '
    Me.buttonPrintPreview.Anchor = CType(((System.Windows.Forms.AnchorStyle
    Me.buttonPrintPreview.Location = New System.Drawing.Point(12, 59)
    Me.buttonPrintPreview.Name = "buttonPrintPreview"
    Me.buttonPrintPreview.Size = New System.Drawing.Size(253, 41)
    Me.buttonPrintPreview.TabIndex = 1
    Me.buttonPrintPreview.Text = "Print Preview"
    Me.buttonPrintPreview.UseVisualStyleBackColor = True
    AddHandler Me.buttonPrintPreview.Click, New System.EventHandler(Address
    '
    ' buttonPrint
    '
    Me.buttonPrint.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top
    Me.buttonPrint.Location = New System.Drawing.Point(12, 106)
    Me.buttonPrint.Name = "buttonPrint"
    Me.buttonPrint.Size = New System.Drawing.Size(253, 41)
    Me.buttonPrint.TabIndex = 2
    Me.buttonPrint.Text = "Print"
    Me.buttonPrint.UseVisualStyleBackColor = True
    AddHandler Me.buttonPrint.Click, New System.EventHandler(AddressOf Me.
    '
    ' Form1
    '
    Me.AutoScaleDimensions = New System.Drawing.SizeF(6F, 13F)
    Me.AutoScaleMode = System.Windows.Forms.AutoScaleModeMode.Font
    Me.ClientSize = New System.Drawing.Size(277, 161)
    Me.Controls.Add(Me.buttonPrint)
    Me.Controls.Add(Me.buttonPrintPreview)
    Me.Controls.Add(Me.buttonPageSetup)
    Me.Name = "Form1"
    Me.Text = "Print PDF"
    AddHandler Me.Load, New System.EventHandler(AddressOf Me.Form1_Load)
    Me.ResumeLayout(False)

```

End Sub

#End Region

```

Private printDocument1 As System.Drawing.Printing.PrintDocument
Private printPreviewDialog1 As System.Windows.Forms.PrintPreviewDialog
Private pageSetupDialog1 As System.Windows.Forms.PageSetupDialog
Private printDialog1 As System.Windows.Forms.PrintDialog
Private buttonPageSetup As System.Windows.Forms.Button
Private buttonPrintPreview As System.Windows.Forms.Button
Private buttonPrint As System.Windows.Forms.Button

```

End Class

Form1.vb

```
Imports System.Drawing
Imports System.Drawing.Imaging
Imports System.Windows.Forms

Imports Bytescout.PDFRenderer

Public Partial Class Form1
    Inherits Form
    Private _document As String = "multipage.pdf"
    Private _rasterRenderer As RasterRenderer = Nothing
    Private _page As Integer = 0

    Public Sub New()
        InitializeComponent()

        ' Create an instance of Bytescout.PDFRenderer.RasterRenderer object and
        _rasterRenderer = New RasterRenderer()
        _rasterRenderer.RegistrationName = "demo"
        _rasterRenderer.RegistrationKey = "demo"
    End Sub

    Private Sub Form1_Load(sender As Object, e As EventArgs)
        Cursor = Cursors.WaitCursor

        Try
            ' Load PDF document
            _rasterRenderer.LoadDocumentFromFile(_document)
            Catch exception As Exception
                MessageBox.Show("Could not open PDF document." & vbCrLf & vbCrLf & exception.Message)
            Finally
                Cursor = Cursors.[Default]
            End Try
        End Sub

    Private Sub buttonPageSetup_Click(ByVal sender As Object, ByVal e As EventArgs)

        ' Set landscape orientation if needed
        Dim pageRectangle As RectangleF = _rasterRenderer.GetPageRectangle(0)
        If (pageRectangle.Width > pageRectangle.Height) Then
            pageSetupDialog1.PageSettings.Landscape = True
        End If

        pageSetupDialog1.ShowDialog()
    End Sub
```

```

Private Sub buttonPrintPreview_Click(sender As Object, e As EventArgs)
    _page = 0
    printPreviewDialog1.Width = 800
    printPreviewDialog1.Height = 600
    printPreviewDialog1.ShowDialog()
End Sub

Private Sub buttonPrint_Click(sender As Object, e As EventArgs)
    If printDialog1.ShowDialog() = DialogResult.OK Then
        printDocument1.Print()
    End If
End Sub

Private Sub printDocument1_PrintPage(sender As Object, e As System.Drawing.Printing
    Cursor = Cursors.WaitCursor

    Try
        ' For the best quality set the rendering resolution equal to the printer resolution
        Dim renderingResolution As Single = e.PageSettings.PrinterResolution.X

        ' Render page to image
        Using image As Image = _rasterRenderer.GetImage(_page, renderingResolution)

            ' Fit image into the print rectangle keeping the aspect ratio

            Dim printRect As Rectangle = e.MarginBounds

            Dim ratio As Single = printRect.Width / CSng(image.Width)
            Dim width As Integer = printRect.Width
            Dim height As Integer = CInt(Math.Round(image.Height * ratio))

            If height > printRect.Height Then
                ratio = printRect.Height / CSng(image.Height)
                width = CInt(Math.Round(image.Width * ratio))
                height = printRect.Height
            End If

            ' Draw image on device
            e.Graphics.DrawImage(image, New Rectangle(printRect.X, printRect.Y, width, height))

        End Using

        If _page < _rasterRenderer.GetPageCount() - 1 Then
            _page += 1
            e.HasMorePages = True
        End If
    Catch exception As Exception
        MessageBox.Show(exception.Message)
    Finally
        Cursor = Cursors.Default
    End Try

End Sub
End Class

```

Program.vb

```
Imports System.Collections.Generic
Imports System.Windows.Forms

NotInheritable Class Program
    Private Sub New()
    End Sub
    ''' <summary>
    ''' The main entry point for the application.
    ''' </summary>
    <STAThread> _
    Friend Shared Sub Main()
        Application.EnableVisualStyles()
        Application.SetCompatibleTextRenderingDefault(False)
        Application.Run(New Form1())
    End Sub
End Class
```

VIDEO

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

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