

How to print PDF in VB.NET using ByteScout PDF Renderer SDK

How to print PDF in VB.NET

The sample shows steps and algorithm of how to print PDF and how to make it work in your VB.NET application. Want to print PDF in your VB.NET app? ByteScout PDF Renderer SDK is designed for it. ByteScout PDF Renderer SDK is the SDK for rendering of PDF into high-quality thumbnails and images. Includes various functions like batch processing, PNG, TIFF output. Can be used from web and desktop applications.

This code snippet below for ByteScout PDF Renderer SDK works best when you need to quickly print PDF in your VB.NET application. Follow the instructions from the scratch to work and copy the VB.NET code. Test VB.NET sample code examples whether they respond your needs and requirements for the project.

ByteScout PDF Renderer SDK free trial version is available on our website. VB.NET and other programming languages are supported.

VB.NET - Form1.Designer.vb

```
Partial Class Form1
    '''
    ''' Required designer variable.
    '''

    Private components As System.ComponentModel.IContainer = Nothing

    '''
    ''' Clean up any resources being used.
    '''

    ''' true if managed resources should be disposed; otherwise, false.
    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"

    '''
    ''' Required method for Designer support - do not modify
```

```

''' the contents of this method with the code editor.
'''

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(AddressOf 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"), System.Drawing.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
    '
    ' buttonPageSetup
    '
    Me.buttonPageSetup.Anchor =
CType(((System.Windows.Forms.AnchorStyles.Top Or
System.Windows.Forms.AnchorStyles.Left) Or System.Windows.Forms.AnchorStyles.Right),
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 Me.buttonPageSetup_Click)
    '

```

```

        ' buttonPrintPreview
        '
        Me.buttonPrintPreview.Anchor =
CType(((System.Windows.Forms.AnchorStyles.Top Or
System.Windows.Forms.AnchorStyles.Left) Or System.Windows.Forms.AnchorStyles.Right),
System.Windows.Forms.AnchorStyles)
        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(AddressOf Me.buttonPrintPreview_Click)
        '
        ' buttonPrint
        '
        Me.buttonPrint.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top
Or System.Windows.Forms.AnchorStyles.Left) Or
System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
        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.buttonPrint_Click)
        '
        ' Form1
        '
        Me.AutoScaleDimensions = New System.Drawing.SizeF(6F, 13F)
        Me.AutoScaleMode = System.Windows.Forms.AutoScaleMode.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

```

```
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 register it.
        _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(sender As Object, e As EventArgs)
        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
End Class
```

```

        End If
    End Sub

    Private Sub printDocument1_PrintPage(sender As Object, e As
System.Drawing.Printing.PrintPageEventArgs)

        Cursor = Cursors.WaitCursor

        Try
            _rasterRenderer.LoadDocumentFromFile(_document)

            ' 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), New Rectangle(0, 0, image.Width, image.Height), GraphicsUnit.Pixel)

            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

```

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

NotInheritable Class Program
    Private Sub New()
    End Sub
    '''
    ''' The main entry point for the application.
    '''

    Friend Shared Sub Main()
        Application.EnableVisualStyles()
        Application.SetCompatibleTextRenderingDefault(False)
        Application.Run(New Form1())
    End Sub
End Class
```

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

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[Visit www.ByteScout.com](http://www.ByteScout.com)

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