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pdf to image with custom size with pdf renderer sdk in VB.NET with ByteScout Premium Suite

pdf to image with custom size with pdf renderer sdk in VB.NET

These sample source codes given below will show you how to handle a complex task, for example, pdf to image with custom size with pdf renderer sdk in VB.NET. ByteScout Premium Suite helps with pdf to image with custom size with pdf renderer sdk in VB.NET. ByteScout Premium Suite is the bundle that includes twelve SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

VB.NET code snippet like this for ByteScout Premium Suite works best when you need to quickly implement pdf to image with custom size with pdf renderer sdk in your VB.NET application. To use pdf to image with custom size with pdf renderer sdk in your VB.NET project or application just copy & paste the code and then run your app! Further improvement of the code will make it more robust.

ByteScout Premium Suite is available as a free trial. You may get it from our website along with all other source code samples for VB.NET applications.

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Source Code Files:

Program.vb

```
Imports System.Collections.Generic
Imports Bytescout.PDFRenderer


Class Program
    Friend Shared Sub Main(args As String())

        ' Specify Image Generation Inputs
        Dim imageGenerationInputs As New ImageGenerationInputs()

        imageGenerationInputs.AddCustomSize(width:=320, height:=420)
        imageGenerationInputs.AddCustomSize(width:=600, height:=800)

        imageGenerationInputs.EnableSaveAsPng = True
        imageGenerationInputs.EnableSaveAsJpeg = True
        imageGenerationInputs.EnableSaveAsTiff = True

        ' Create an instance of Bytescout.PDFRenderer.RasterRenderer object and registe
        Dim renderer As New RasterRenderer()
        renderer.RegistrationName = "demo"
        renderer.RegistrationKey = "demo"

        ' Load PDF document.
        renderer.LoadDocumentFromFile("multipage.pdf")

        ' Specify Rendering Options to fine tune output generation
        Dim RenderingOptions As New RenderingOptions()
        RenderingOptions.TIFFCompression = TIFFCompression.None
        RenderingOptions.VectorSmoothingMode = GraphicsTransformationQuality.HighQualit

        ' Loop through each custom size specified
        For Each itmCustomSize As KeyValuePair(Of Int32, Int32) In imageGenerationInput

            ' Loop through all pages
            For pageIndex As Integer = 0 To renderer.GetPageCount() - 1

                ' Perform save as PNG, if specified
                If imageGenerationInputs.EnableSaveAsPng Then

                    Dim pngImageName As String = {code}quot;output_{itmCustomSize.Key}x

                    ' Save png image per page, per custom size
                    renderer.Save(
                            destFileName:=pngImageName,
                            outputFormat:=RasterImageFormat.PNG,
                            pageIndex:=pageIndex,
                            width:=itmCustomSize.Key,
                            height:=itmCustomSize.Value,
                            renderingOptions:=RenderingOptions
                            )

                    Console.WriteLine(pngImageName + " - Generated")

                End If
```

```
                ' Perform save as JPG, if specified
                If imageGenerationInputs.EnableSaveAsJpeg Then

                    Dim jpgImageName As String = {code}quot;output_{itmCustomSize.Key}x

                    ' Save jpg image per page, per custom size
                    renderer.Save(
                            destFileName:=jpgImageName,
                            outputFormat:=RasterImageFormat.JPEG,
                            pageIndex:=pageIndex,
                            width:=itmCustomSize.Key,
                            height:=itmCustomSize.Value,
                            renderingOptions:=RenderingOptions
                            )

                    Console.WriteLine(jpgImageName + " - Generated")

                End If

            Next

            ' Perform save as TIFF, if specified
            If imageGenerationInputs.EnableSaveAsTiff Then

                Dim tiffImageName As String = {code}quot;output_{itmCustomSize.Key}x{it

                ' Save tiff image per page, per custom size
                renderer.SaveMultipageTiff(
                        destFileName:=tiffImageName,
                        startPageIndex:=0,
                        endPageIndex:=renderer.GetPageCount() - 1,
                        width:=itmCustomSize.Key,
                        height:=itmCustomSize.Value,
                        renderingOptions:=RenderingOptions)

                Console.WriteLine(tiffImageName + " - Generated")

            End If

        Next


        ' Cleanup
        renderer.Dispose()

        Console.ReadLine()

    End Sub

End Class


Class ImageGenerationInputs

#Region "Constructors"

    Public Sub New()
        CustomSizes = New List(Of KeyValuePair(Of Integer, Integer))()
        EnableSaveAsPng = True
    End Sub
```

```
#End Region

#Region "Properties"

    Public Property CustomSizes As List(Of KeyValuePair(Of Int32, Int32))

    Public Property EnableSaveAsPng As Boolean

    Public Property EnableSaveAsJpeg As Boolean

    Public Property EnableSaveAsTiff As Boolean

#End Region

#Region "Methods"

    Public Sub AddCustomSize(ByVal width As Int32, ByVal height As Int32)

        CustomSizes.Add(New KeyValuePair(Of Integer, Integer)(width, height))

    End Sub

#End Region

End Class
```

VIDEO

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

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