www.bytescout.com

How to add text and images to PDF in VB.NET with ByteScout Cloud API Server

This code in VB.NET shows how to add text and images to PDF with this how to tutorial

The coding instructions are formulated to help you to try-out the features without the requirement to write your own code. ByteScout Cloud API Server can add text and images to PDF. It can be applied from VB.NET. ByteScout Cloud API Server is API server that is ready to use and can be installed and deployed in less than 30 minutes on your own Windows server or server in a cloud. It can save data and files on your local server-based file storage or in Amazon AWS S3 storage. Data is processed solely on the API server and is powered by ByteScout engine, no cloud services or Internet connection is required for data processing..

The following code snippet for ByteScout Cloud API Server works best when you need to quickly add text and images to PDF in your VB.NET application. Just copy and paste the code into your VB.NET application's code and follow the instructions. Applying VB.NET application mostly includes various stages of the software development so even if the functionality works please test it with your data and the production environment.

ByteScout Cloud API Server free trial version is available on our website. VB.NET and other programming languages are supported.

FOR MORE INFORMATION AND FREE TRIAL:

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Source Code Files:

AddImageByFindingTargetCoordinates.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.26730.10
MinimumVisualStudioVersion = 10.0.40219.1
Project("{F184B08F-C81C-45F6-A57F-5ABD9991F28F}") = "AddImageByFindingTargetCoordinates
EndProject
Global
        GlobalSection(SolutionConfigurationPlatforms) = preSolution
                Debug|Any CPU = Debug|Any CPU
                Release|Any CPU = Release|Any CPU
        EndGlobalSection
        GlobalSection(ProjectConfigurationPlatforms) = postSolution
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Debug|Any CPU.ActiveCfg = Debug
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Debug|Any CPU.Build.0 = Debug|An
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.ActiveCfg = Rele
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.Build.0 = Releas
        EndGlobalSection
        GlobalSection(SolutionProperties) = preSolution
                HideSolutionNode = FALSE
        EndGlobalSection
        GlobalSection(ExtensibilityGlobals) = postSolution
                SolutionGuid = {4576C9BB-A42D-46A8-9198-7E2982E122FA}
        EndGlobalSection
EndGlobal
```

Module1.vb

```
Imports System.IO
Imports System.Net
Imports Newtonsoft.Json.Linq

' Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://loc
' If it's not then please replace this with with your hosting url.

Module Module1

    ' Direct URL of source PDF file.
    Const SourceFileUrl As String = "https://bytescout-com.s3.amazonaws.com/files/demo-

    ' Comma-separated list of page indices (Or ranges) to process. Leave empty for all
    Const Pages As String = ""
```

```
    ' PDF document password. Leave empty for unprotected documents.
    Const Password As String = ""

    ' Destination PDF file name
    Const DestinationFile As String = ".\result.pdf"

    ' Image params
    Private Const Type1 As String = "image"
    Private Const Width1 As Int32 = 119
    Private Const Height1 As Int32 = 32
    Private Const ImageUrl As String = "https://bytescout-com.s3.amazonaws.com/files/de

    Sub Main()

        ' Create standard .NET web client instance
        Dim webClient As WebClient = New WebClient()

        ' Find Text coordinates to add image
        Dim oCoordinates = FindCoordinates(SourceFileUrl, "Your Company Name")

        Dim X1 As Int32 = 450
        Dim Y1 As Int32 = oCoordinates.y

        ' * Add image *
        ' Prepare URL for `PDF Edit` API call
        Dim query As String = Uri.EscapeUriString(String.Format(
            "https://localhost/pdf/edit/add?name={0}&password={1}&pages={2}&url={3}&typ
            Path.GetFileName(DestinationFile),
                Password,
                Pages,
                SourceFileUrl,
                Type1,
                X1,
                Y1,
                Width1,
                Height1,
                ImageUrl))

        Try
            ' Execute request
            Dim response As String = webClient.DownloadString(query)

            ' Parse JSON response
            Dim json As JObject = JObject.Parse(response)

            If json("error").ToObject(Of Boolean) = False Then

                ' Get URL of generated PDF file
                Dim resultFileUrl As String = json("url").ToString()

                ' Download PDF file
                webClient.DownloadFile(resultFileUrl, DestinationFile)

                Console.WriteLine("Generated PDF file saved as ""{0}"" file.", Destinat

            Else
                Console.WriteLine(json("message").ToString())
            End If

        Catch ex As WebException
```

```
            Console.WriteLine(ex.ToString())
        End Try

        webClient.Dispose()

        Console.WriteLine()
        Console.WriteLine("Press any key...")
        Console.ReadKey()

    End Sub

    ''' <summary>
    ''' Find result coordinates
    ''' </summary>
    Function FindCoordinates(ByVal SourceFileUrl As String, ByVal SearchString As Stri

        Dim oResult As New ResultCoOrdinates()

        ' Create standard .NET web client instance
        Dim webClient As WebClient = New WebClient()

        ' Prepare URL for PDF text search API call.
        Dim query As String = Uri.EscapeUriString(
            String.Format("https://localhost/pdf/find?url={0}&searchString={1}",
                SourceFileUrl,
                SearchString))

        Try
            ' Execute request
            Dim response As String = webClient.DownloadString(query)

            ' Parse JSON response
            Dim json As JObject = JObject.Parse(response)

            If json("error").ToObject(Of Boolean) = False Then

                Dim item = json("body")(0)

                oResult.x = item("left")
                oResult.y = item("top")
                oResult.width = item("width")
                oResult.height = item("height")

            End If

        Catch ex As WebException
            Console.WriteLine(ex.ToString())
        End Try

        webClient.Dispose()

        Return oResult

    End Function

    Class ResultCoOrdinates

        Public x As Integer
        Public y As Integer
        Public width As Integer
```

```
        Public height As Integer

    End Class


End Module
```

packages.config

```
<?xml version="1.0" encoding="utf-8"?>
<packages>
  <package id="Newtonsoft.Json" version="10.0.3" targetFramework="net40" />
</packages>
```

VIDEO

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

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