

How to convert PDF to PNG from uploaded file for PDF to image API in VB.NET with ByteScout Cloud API Server

Step By Step Instructions on how to convert PDF to PNG from uploaded file for PDF to image API in VB.NET

Quick guide: Learn how to convert PDF to PNG from uploaded file in VB.NET. ByteScout Cloud API Server helps with PDF to image API in 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..

This simple and easy to understand sample source code in VB.NET for ByteScout Cloud API Server contains different functions and options you should do calling the API to implement PDF to image API. This VB.NET sample code can be used by copying and pasting into your project. Once done, just compile your project and click Run. Writing VB.NET application mostly includes various stages of the software development so even if the functionality works please check it with your data and the production environment.

Trial version of ByteScout is available for free download from our website. This and other source code samples for VB.NET and other programming languages are available.

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Source Code Files:

ByteScoutWebApiExample.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}") = "ByteScoutWebApiExample", "ByteScoutWebApiExample.csproj", "{F184B08F-C81C-45F6-A57F-5ABD9991F28F}"
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|Any CPU
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.Build.0 = Release|Any CPU
    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://localhost:4431/"
' If it's not then please replace this with with your hosting url.
Module Module1

    ' Source PDF file
    const SourceFile as String = ".\sample.pdf"
    ' Comma-separated list of page indices (or ranges) to process. Leave empty for all pages.
    const Pages as String = ""
    ' PDF document password. Leave empty for unprotected documents.
    const Password as String = ""

End Module
```

```
Sub Main()
```

```
    ' Create standard .NET web client instance
```

```
    Dim webClient As WebClient = New WebClient()
```

```
    ' 1. RETRIEVE THE PRESIGNED URL TO UPLOAD THE FILE.
```

```
    ' * If you already have the direct file URL, skip to the step 3.
```

```
    ' Prepare URL for `Get Presigned URL` API call
```

```
    Dim query As string = Uri.EscapeUriString(String.Format(
        "https://localhost/file/upload/get-presigned-url?contenttype=application/pdf&fileName={0}",
        Path.GetFileName(SourceFile)))
```

```
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 to use for the file upload
```

```
        Dim uploadUrl As string = json("presignedUrl").ToString()
```

```
        ' Get URL of uploaded file to use with later API calls
```

```
        Dim uploadedFileUrl As string = json("url").ToString()
```

```
        ' 2. UPLOAD THE FILE TO CLOUD.
```

```
        webClient.Headers.Add("content-type", "application/octet-stream")
        webClient.UploadFile(uploadUrl, "PUT", SourceFile) ' You can also use webClient.UploadData(uploadUrl, "PUT", File.ReadAllBytes(SourceFile))
```

```
        ' 3. CONVERT UPLOADED PDF FILE TO PNG
```

```
        ' Prepare URL for `PDF To PNG` API call
```

```
        query = Uri.EscapeUriString(String.Format(
            "https://localhost/pdf/convert/to/png?password={0}&pages={1}&url={2}",
            Password,
            Pages,
            uploadedFileUrl))
```

```
        ' Execute request
```

```
        response = webClient.DownloadString(query)
```

```
        ' Parse JSON response
```

```
        json = JObject.Parse(response)
```

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

```
            ' Download generated PNG files
```

```
            Dim page As Integer = 1
```

```
            For Each token As JToken In json("urls")
```

```
                Dim resultFileUrl As string = token.ToString()
```

```
                Dim localFileName As String = String.Format("file_{0}_{1}.png", token, page)
```

```
                webClient.DownloadFile(resultFileUrl, localFileName)
```

```
                Console.WriteLine("Downloaded \"{0}\".", localFileName)
```

```
                page = page + 1
```

```

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