

How to convert PDF to XML from uploaded file for PDF to XML API in VB.NET and ByteScout Cloud API Server

How to convert PDF to XML from uploaded file for PDF to XML API in VB.NET: Step By Step Instructions

This page displays the step-by-step instructions and algorithm of how to convert PDF to XML from uploaded file and how to apply it in your application. ByteScout Cloud API Server was designed to assist PDF to XML 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..

Want to learn quickly? These fast application programming interfaces of ByteScout Cloud API Server for VB.NET plus the instruction and the code below will help to learn how to convert PDF to XML from uploaded file. This VB.NET sample code can be used by copying and pasting into your project. Once done, just compile your project and click Run. Easy to understand tutorials are available along with installed ByteScout Cloud API Server if you'd like to learn more about the topic and the details of the API.

Our website provides free trial version of ByteScout Cloud API Server that gives source code samples to assist with your VB.NET project.

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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:5000/"
' 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 = ""
    ' Destination XML file name
    const DestinationFile as String = "output.xml"
```

```

const DestinationFile as String = ".\result.xml"

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 a 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 XML

            ' Prepare URL for `PDF To XML` API call
            query = Uri.EscapeUriString(String.Format(
                "https://localhost/pdf/convert/to/xml?name={0}&password={1}&pages={2}&url={3}",
                Path.GetFileName(DestinationFile),
                Password,
                Pages,
                uploadedFileUrl))

            ' Execute request
            response = webClient.DownloadString(query)

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

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

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

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

                Console.WriteLine("Generated XML file saved as " & DestinationFile)

            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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