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How to convert PDF to XML from uploaded file for PDF to XML API in C# using ByteScout Cloud API Server

Learn in simple ways: How to convert PDF to XML from uploaded file for PDF to XML API in C#

We regularly create and update our sample code library so you may quickly learn PDF to XML API and the step-by-step process in C#. ByteScout Cloud API Server was designed to assist PDF to XML API in C#. ByteScout Cloud API Server is the ready to deploy Web API Server that can be deployed in less than thirty minutes into your own in-house Windows server (no Internet connection is required to process data!) or into private cloud server. Can store data on in-house local server based storage or in Amazon AWS S3 bucket. Processing data solely on the server using built-in ByteScout powered engine, no cloud services are used to process your data!.

This simple and easy to understand sample source code in C# for ByteScout Cloud API Server contains different functions and options you should do calling the API to implement PDF to XML API. Open your C# project and simply copy & paste the code and then run your app! Enjoy writing a code with ready-to-use sample C# codes to add PDF to XML API functions using ByteScout Cloud API Server in C#.

Trial version of ByteScout is available for free download from our website. This and other source code samples for C# 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 2013
VisualStudioVersion = 12.0.40629.0
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "ByteScoutWebApiExample", "ByteScoutWebApiExample", {A8A8A8A8-A8A8-A8A8-A8A8-A8A8A8A8A8A8}
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Release|Any CPU.Build.0 = Release|Any CPU
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
EndGlobal
```

Program.cs

```
using System;
using System.IO;
using System.Net;
using Newtonsoft.Json.Linq;

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:9000"
// If it's not then please replace this with with your hosting url.
namespace ByteScoutWebApiExample
{
    class Program
    {
        // Source PDF file
        const string SourceFile = @"..\sample.pdf";
        // Comma-separated list of page indices (or ranges) to process. Leave empty to process all pages.
        const string Pages = "";
        // PDF document password. Leave empty for unprotected documents.
        const string Password = "";
        // Destination XML file name
    }
}
```

```

const string DestinationFile = @".\result.xml";

static void Main(string[] args)
{
    // Create standard .NET web client instance
    WebClient 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
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/file/upload/get-presigned-url?contentPath={0}",
        Path.GetFileName(SourceFile)));
}

try
{
    // Execute request
    string response = webClient.DownloadString(query);

    // Parse JSON response
    JObject json = JObject.Parse(response);

    if (json["error"].ToObject<bool>() == false)
    {
        // Get URL to use for the file upload
        string uploadUrl = json["presignedUrl"].ToString();
        string uploadedFileUrl = json["url"].ToString();

        // 2. UPLOAD THE FILE TO CLOUD.

        webClient.Headers.Add("content-type", "application/octet-stream");
        webClient.UploadFile(uploadUrl, "PUT", SourceFile);
        webClient.Headers.Remove("content-type");

        // 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?contentPath={0}&password={1}&pages={2}&uploadedFilePath={3}",
            Path.GetFileName(DestinationFile),
            Password,
            Pages,
            uploadedFileUrl));
    }

    // Execute request
    response = webClient.DownloadString(query);

    // Parse JSON response
    json = JObject.Parse(response);

    if (json["error"].ToObject<bool>() == false)
    {
        // Get URL of generated XML file
        string resultFileUrl = json["url"].ToString();

        // Download XML file
        webClient.DownloadFile(resultFileUrl, DestinationFile);

        Console.WriteLine("Generated XML file successfully!");
    }
}

```

```
        }
        else
        {
            Console.WriteLine(json["message"].ToString());
        }
    }
    else
    {
        Console.WriteLine(json["message"].ToString());
    }
}
catch (WebException e)
{
    Console.WriteLine(e.ToString());
}

webClient.Dispose();

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

}
```

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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