

How to convert PDF to TIFF from uploaded file for PDF to image API in C# and ByteScout Cloud API Server

Step-by-step tutorial:How to convert PDF to TIFF from uploaded file to have PDF to image API in C#

Every ByteScout tool includes sample C# source codes that you can find here or in the folder with installed ByteScout product. ByteScout Cloud API Server was designed to assist PDF to image API in C#. ByteScout Cloud API Server is the ready to use Web API Server that can be deployed in less than 30 minutes into your own in-house server 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!.

The SDK samples displayed below explain how to quickly make your application do PDF to image API in C# with the help of ByteScout Cloud API Server. This sample code in C# is all you need. Just copy-paste it to the code editor, then add a reference to ByteScout Cloud API Server and you are ready to try it! Enjoy writing a code with ready-to-use sample C# codes to implement PDF to image API using ByteScout Cloud API Server.

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

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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.csproj", "{1E1C2C34-017E-4605-AE2B-55EA3313BE51}"
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:8080/"
// If it's not then please replace this 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 for all pages.
        const string Pages = "";
        // PDF document password. Leave empty for unprotected documents.
        const string Password = "";
        // Destination TIFF file name
    }
}
```

```

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

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?content-disposition=attachment;filename={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();
            // Get URL of uploaded file to use with later API call
            string uploadedFileUrl = json["url"].ToString();

            // 2. UPLOAD THE FILE TO CLOUD.

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

            // 3. CONVERT UPLOADED PDF FILE TO TIFF

            // Prepare URL for `PDF To TIFF` API call
            query = Uri.EscapeUriString(string.Format(
                "https://localhost/pdf/convert/to/tiff?fileurl={0}&password={1}&pages={2}&outputfileurl={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 TIFF file
                string resultFileUrl = json["url"].ToString();

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

                Console.WriteLine("Generated TIFF file");
            }
        }
    }
}

```

```

        }
        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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