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

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

On this page, you will find sample source codes which show you how to handle a complex task, such as, CSV to PDF API in C#. ByteScout Cloud API Server helps with CSV to PDF API in C#. 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 C# for ByteScout Cloud API Server contains different functions and options you should do calling the API to implement CSV to PDF API. 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! Writing C# 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 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 your hosting url.

namespace ByteScoutWebApiExample
{
    class Program
    {
        // Source CSV file
        const string SourceFile = @"..\sample.csv";
        // Destination PDF file name
        const string DestinationFile = @"..\result.pdf";

        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();
        // Get URL of uploaded file to use with later API calls
        string uploadedImageUrl = json["url"].ToString();

        // 2. UPLOAD THE FILE TO CLOUD.

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

        // 3. CONVERT UPLOADED CSV FILE TO PDF

        // Prepare URL for `CSV To PDF` API call
        query = Uri.EscapeUriString(string.Format(
            "https://localhost/pdf/convert/from/csv?contentPath={0}&destination={1}",
            Path.GetFileName(DestinationFile),
            uploadedImageUrl));

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

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

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

            // Download PDF file
            webClient.DownloadFile(resultImageUrl, DestinationFile);

            Console.WriteLine("Generated PDF 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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