

How to convert PDF to CSV from URL asynchronously for PDF to CSV API in C# and ByteScout Cloud API Server

Follow this simple tutorial to learn convert PDF to CSV from URL asynchronously to have PDF to CSV API in C#

These simple tutorials explain the code material for beginners and advanced programmers who are using C#. ByteScout Cloud API Server was designed to assist PDF to CSV 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 CSV 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! Enjoy writing a code with ready-to-use sample C# codes to implement PDF to CSV API using ByteScout Cloud API Server.

Free! Free! Free! ByteScout free trial version is available for FREE download from our website. Programming tutorials along with source code samples are assembled.

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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;
using System.Threading;

// Cloud API asynchronous "PDF To CSV" job example.
// Allows to avoid timeout errors when processing huge or scanned PDF documents.

// 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
    {
        // Direct URL of source PDF file.
        const string SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/f.../source.pdf";
        // Direct URL where PDF file will be stored after conversion.
        const string DestinationFileUrl = "https://bytescout-com.s3.amazonaws.com/f.../destination.csv";
        // Bytescout Cloud API User Name
        const string UserName = "XXXXXXXXXX";
        // Bytescout Cloud API Password
        const string Password = "XXXXXXXXXX";
        // Bytescout Cloud API App Key
        const string AppKey = "XXXXXXXXXX";
    }
}
```

```

// 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 CSV file name
const string DestinationFile = @"..\result.csv";
// (!) Make asynchronous job
const bool Async = true;

static void Main(string[] args)
{
    // Create standard .NET web client instance
    WebClient webClient = new WebClient();

    // Prepare URL for `PDF To CSV` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/pdf/convert/to/csv?name={0}&password={1}&pages={2}&{3}",
        Path.GetFileName(DestinationFile),
        Password,
        Pages,
        SourceFilePath,
        Async));
}

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

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

    if (json["status"].ToString() != "error")
    {
        // Asynchronous job ID
        string jobId = json["jobId"].ToString();
        // URL of generated CSV file that will available once the job is completed
        string resultFilePath = json["url"].ToString();

        // Check the job status in a loop.
        // If you don't want to pause the main thread you can
        // to use a separate thread for the status check
        do
        {
            string status = CheckJobStatus(jobId);

            // Display timestamp and status (for debugging purposes)
            Console.WriteLine(DateTime.Now.ToString("yyyy-MM-dd HH:mm:ss") + " - " + status);

            if (status == "success")
            {
                // Download CSV file
                webClient.DownloadFile(resultFilePath, DestinationFile);
                // Display success message
                Console.WriteLine("Generated CSV file successfully!");
                break;
            }
            else if (status == "working")
            {
                // Pause for a few seconds
                Thread.Sleep(5000);
            }
        } while (status != "success");
    }
}

```

```

        Thread.Sleep(3000);
    }
    else
    {
        Console.WriteLine(status);
        break;
    }
}
while (true);
}
else
{
    Console.WriteLine(json["message"].ToString());
}
}
catch (WebException e)
{
    Console.WriteLine(e.ToString());
}

webClient.Dispose();

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

static string CheckJobStatus(string jobId)
{
    using (WebClient webClient = new WebClient())
    {
        string url = "https://localhost/job/check?jobid=" + jobId;

        string response = webClient.DownloadString(url);
        JObject json = JObject.Parse(response);

        return Convert.ToString(json["status"]);
    }
}
}

```

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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