

[www.bytescout.com](http://www.bytescout.com)

## **How to async file upload and async split PDF by text for PDF splitting API in C# using PDF.co Web API**

PDF.co Web API: the Web API with a set of tools for documents manipulation, data conversion, data extraction, splitting and merging of documents. Includes image recognition, built-in OCR, barcode generation and barcode decoders to decode bar codes from scans, pictures and pdf.

**FOR MORE INFORMATION AND FREE TRIAL:**

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about \*\*PDF.co Web API\*\*](#)

[Explore API Documentation](#)

[Get Free Training for PDF.co Web API](#)

[Get Free API key for Web API](#)

[visit www.ByteScout.com](http://www.ByteScout.com)

## **Source Code Files:**

**ByteScoutWebApiExample.csproj**

```

<?xml version="1.0" encoding="utf-8"?>
<Project ToolsVersion="12.0" DefaultTargets="Build" xmlns="http://schemas.microsoft.com
  <Import Project="$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Common.pr
  <PropertyGroup>
    <Configuration Condition=" '$(Configuration)' == '' ">Debug</Configuration>
    <Platform Condition=" '$(Platform)' == '' ">AnyCPU</Platform>
    <ProjectGuid>{1E1C2C34-017E-4605-AE2B-55EA3313BE51}</ProjectGuid>
    <OutputType>Exe</OutputType>
    <AppDesignerFolder>Properties</AppDesignerFolder>
    <RootNamespace>ByteScoutWebApiExample</RootNamespace>
    <AssemblyName>ByteScoutWebApiExample</AssemblyName>
    <TargetFrameworkVersion>v4.0</TargetFrameworkVersion>
    <FileAlignment>512</FileAlignment>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugSymbols>>true</DebugSymbols>
    <DebugType>full</DebugType>
    <Optimize>>false</Optimize>
    <OutputPath>bin\Debug\</OutputPath>
    <DefineConstants>DEBUG;TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Release|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugType>pdbonly</DebugType>
    <Optimize>>true</Optimize>
    <OutputPath>bin\Release\</OutputPath>
    <DefineConstants>TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <ItemGroup>
    <Reference Include="Newtonsoft.Json, Version=10.0.0.0, Culture=neutral, PublicKeyT
      <HintPath>packages\Newtonsoft.Json.10.0.3\lib\net40\Newtonsoft.Json.dll</HintPat
      <Private>True</Private>
    </Reference>
    <Reference Include="System" />
    <Reference Include="System.Core" />
    <Reference Include="System.Xml.Linq" />
    <Reference Include="System.Data" />
    <Reference Include="System.Xml" />
  </ItemGroup>
  <ItemGroup>
    <Compile Include="Program.cs" />
    <Compile Include="Properties\AssemblyInfo.cs" />
  </ItemGroup>
  <ItemGroup>
    <None Include="packages.config" />
    <Content Include="sample.pdf">
      <CopyToOutputDirectory>Always</CopyToOutputDirectory>
    </Content>
  </ItemGroup>
  <Import Project="$(MSBuildToolsPath)\Microsoft.CSharp.targets" />
  <!-- To modify your build process, add your task inside one of the targets below and
    Other similar extension points exist, see Microsoft.Common.targets.
  <Target Name="BeforeBuild">
  </Target>

```

```
<Target Name="AfterBuild">
</Target>
-->
</Project>
```

## 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", "ByteScoutWebApiExample.sln"
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.Collections.Generic;
using System.IO;
using System.Net;
using System.Threading;
using Newtonsoft.Json;
using Newtonsoft.Json.Linq;
```

```

namespace ByteScoutWebApiExample
{
    class Program
    {
        // The authentication key (API Key).
        // Get your own by registering at https://app.pdf.co/documentation/api
        const String API_KEY = "*****";

        // Source PDF file to split
        const string SourceFile = @".\sample.pdf";
        // (!) Make asynchronous job
        const bool Async = true;

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

            // Set API Key
            webClient.Headers.Add("x-api-key", API_KEY);

            // 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://api.pdf.co/v1/file/upload/get-presigned-url?c
                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/pdf");
                    webClient.UploadFile(uploadUrl, "PUT", SourceFile);
                    webClient.Headers.Remove("content-type");

                    // 3. SPLIT UPLOADED PDF

                    // URL for `Split PDF By Text` API call
                    var url = "https://api.pdf.co/v1/pdf/split2";

                    // Prepare requests params as JSON
                    Dictionary<string, object> parameters = new Dictionary<string, object>();
                    parameters.Add("searchString", "invoice number");
                    parameters.Add("url", uploadedFileUrl);
                    parameters.Add("async", Async);
                }
            }
        }
    }
}

```

```

// Convert dictionary of params to JSON
string jsonPayload = JsonConvert.SerializeObject(parameters);

// Execute POST request with JSON payload
response = webClient.UploadString(url, jsonPayload);

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

if (json["error"].ToObject<bool>() == false)
{
    // Asynchronous job ID
    string jobId = json["jobId"].ToString();
    // URL of generated JSON file available after the job completi
    string resultJsonFileUrl = json["url"].ToString();

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

        // Display timestamp and status (for demo purposes)
        Console.WriteLine(DateTime.Now.ToLongTimeString() + ": " +

        if (status == "success")
        {
            // Download JSON file as string
            string jsonString = webClient.DownloadString(resul

            JSONArray resultFileUrls = JSONArray.Parse(jsonFileString);

            // Download generated PDF files
            int part = 1;
            foreach (JToken token in resultFileUrls)
            {
                string resultFileUrl = token.ToString();
                string localFileName = String.Format(@".\part{0}.p

                webClient.DownloadFile(resultFileUrl, localFileNam

                Console.WriteLine("Downloaded \"{0}\".", localFile
                part++;
            }
            break;
        }
        else if (status == "working")
        {
            // Pause for a few seconds
            Thread.Sleep(3000);
        }
        else
        {
            Console.WriteLine(status);
            break;
        }
    }
    while (true);
}

```

```

        }
        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();
}

/// <summary>
/// Check Job Status
/// </summary>
static string CheckJobStatus(string jobId)
{
    using (WebClient webClient = new WebClient())
    {
        // Set API Key
        webClient.Headers.Add("x-api-key", API_KEY);

        string url = "https://api.pdf.co/v1/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>

## **ON-PREMISE OFFLINE SDK**

[60 Day Free Trial](#) or [Visit PDF.co Web API Home Page](#)

[Explore PDF.co Web API Documentation](#)

[Explore Samples](#)

[Sign Up for PDF.co Web API Online Training](#)

## **ON-DEMAND REST WEB API**

[Get Your API Key](#)

[Explore Web API Docs](#)

[Explore Web API Samples](#)

[visit www.Bytescout.com](http://www.Bytescout.com)

[visit www.PDF.co](http://www.PDF.co)

[www.bytescout.com](http://www.bytescout.com)