

How to convert DOC to PDF from URL asynchronously for DOC to PDF API in C# and PDF.co Web API

Learn how to convert DOC to PDF from URL asynchronously to have DOC to PDF API in C#

Source code documentation samples provide quick and easy way to add a required functionality into your application. PDF.co Web API was made to help with DOC to PDF API in C#. PDF.co Web API is the flexible Web API that includes full set of functions from e-signature requests to data extraction, OCR, images recognition, pdf splitting and pdf splitting. Can also generate barcodes and read barcodes from images, scans and pdf.

C# code snippet like this for PDF.co Web API works best when you need to quickly implement DOC to PDF API in your C# application. This C# sample code should be copied and pasted into your project. After doing this just compile your project and click Run. Enjoy writing a code with ready-to-use sample C# codes to add DOC to PDF API functions using PDF.co Web API in C#.

Our website provides free trial version of PDF.co Web API that includes source code samples to help 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 System.Threading;
using Newtonsoft.Json.Linq;

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

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 = "*****";

        // Direct URL of source DOC or DOCX file.
        const string SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/f";
        // Destination PDF file name
        const string DestinationFile = @"..\result.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);

    // Prepare URL for `DOC To PDF` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://api.pdf.co/v1/pdf/convert/from/doc?name={0}&url={1}&sourceUrl={2}&async={3}",
        Path.GetFileName(DestinationFile),
        SourceFileUrl,
        Async));

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

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

        if (json["error"].ToObject<bool>() == false)
        {
            // Asynchronous job ID
            string jobId = json["jobId"].ToString();
            // URL of generated PDF file that will be available
            string resultFileUrl = 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)
                Console.WriteLine(DateTime.Now.ToLongTimeString() + " Status: " + status);

                if (status == "success")
                {
                    // Download PDF file
                    webClient.DownloadFile(resultFileUrl, DestinationFile);

                    Console.WriteLine("Generated PDF file saved to " + DestinationFile);
                    break;
                }
                else if (status == "working")
                {
                    // Pause for a few seconds
                    Thread.Sleep(3000);
                }
                else
                {
                    Console.WriteLine(status);
                }
            } while (status != "success");
        }
    }
}

```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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