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## How to convert PDF to text from URL asynchronously for PDF to text API in C# with ByteScout Cloud API Server

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

If you want a quick and easy way to add a required functionality into your application then check this sample source code documentation. ByteScout Cloud API Server helps with PDF to text 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..

Want to learn quickly? These fast application programming interfaces of ByteScout Cloud API Server for C# plus the instruction and the code below will help to learn how to convert PDF to text from URL asynchronously. This C# sample code can be used by copying and pasting into your project. Once done just compile your project and click Run. This basic programming language sample code for C# will do the whole work for you in implementing PDF to text API in your app.

ByteScout Cloud API Server - free trial version is available on our website. Also, there are other code samples to help you with your C# application included into trial version.

FOR MORE INFORMATION AND FREE TRIAL:

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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 System.Threading;
using Newtonsoft.Json.Linq;

// Cloud API asynchronous "PDF To Text" 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/files/demo-files/cloud-api/PDF-to-Text/test.pdf";
        // Comma-separated list of page indices (or ranges) to process. Leave empty to process all pages.
        const string Pages = "1-3";
        // Output directory.
        const string OutputPath = "output";
        // JSON key for authentication.
        const string JsonKey = "3AGQc0Vt-0v-0v-0v-0v-0v-0v";
    }
}
```

```

const string Pages = "";
// PDF document password. Leave empty for unprotected documents.
const string Password = "";
// Destination TXT file name
const string DestinationFile = @".\result.txt";
// (!) 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 Text` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/pdf/convert/to/text?name={0}&password={1}&path={2}&pages={3}&sourcefileurl={4}&async={5}",
        Path.GetFileName(DestinationFile),
        Password,
        Pages,
        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 TXT 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.ToString("yyyy-MM-dd HH:mm:ss") + " - " + status);

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

                Console.WriteLine("Generated TXT file successfully!");
                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());
}
}
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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