

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

### Step By Step Instructions on how to convert PDF to TIFF from URL asynchronously for PDF to image 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 image API in C#. ByteScout Cloud API Server is the ready to use Web API Server that can be deployed in less than 30 minutes into your own in-house server 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!.

Use the code displayed below in your application to save a lot of time on writing and testing code. 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 add PDF to image API functions using ByteScout Cloud API Server in C#.

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.csproj", "{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}"
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;

// 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 with your hosting url.

// Cloud API asynchronous "PDF To TIFF" job example.
// Allows to avoid timeout errors when processing huge or scanned PDF documents.
namespace ByteScoutWebApiExample
{
    class Program
    {
        // Direct URL of source PDF file.
        const string SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/example.pdf";
        // 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 TIFF file name
const string DestinationFile = @".\result.tif";
// (!) 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 TIFF` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/pdf/convert/to/tiff?name={0}&password={1}&pages={2}&sourcefileurl={3}&async={4}",
        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 TIFF 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 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 TIFF file
                    webClient.DownloadFile(resultFileUrl, DestinationFile);

                    Console.WriteLine("Generated TIFF file: " + DestinationFile);
                    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>

```

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VIDEO

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

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