

www.bytescout.com

How to merge PDF documents from urls asynchronously for PDF merging API in C# with ByteScout Cloud API Server

Step By Step Instructions on how to merge PDF documents from urls asynchronously for PDF merging API in C#

Check these thousands of pre-made source code samples for simple implementation in your own programming projects. ByteScout Cloud API Server was designed to assist PDF merging 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!.

The SDK samples displayed below explain how to quickly make your application do PDF merging API in C# with the help of ByteScout Cloud API Server. Open your C# project and simply copy & paste the code and then run your app! Use of ByteScout Cloud API Server in C# is also described in the documentation given along with the product.

Trial version of ByteScout is available for free download from our website. This and other source code samples for C# and other programming languages are available.

FOR MORE INFORMATION AND FREE TRIAL:

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

[Read more about ByteScout Cloud API Server](#)

[Explore API Documentation](#)

[Get Free Training for ByteScout Cloud API Server](#)

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

[visit www.ByteScout.com](#)

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;

// 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.

// Cloud API asynchronous "Merge PDF" job example.
// Allows to avoid timeout errors when processing huge or scanned PDF documents.
namespace ByteScoutWebApiExample
{
    class Program
    {
        // Direct URLs of PDF files to merge
        static string[] SourceFiles = {
```

```
"https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/merge-test.pdf"
"https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/merge-test2.pdf"

// 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();

    // Prepare URL for `Merge PDF` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/pdf/merge?name={0}&url={1}&async={2}",
        Path.GetFileName(DestinationFile),
        string.Join(", ", SourceFiles),
        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 available once the job is completed
            string resultImageUrl = 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 demonstration purposes)
                Console.WriteLine(DateTime.Now.ToString("yyyy-MM-dd HH:mm:ss") + " " + status);

                if (status == "success")
                {
                    // Download PDF file
                    webClient.DownloadFile(resultImageUrl, DestinationFile);
                    break;
                }
                else if (status == "working")
                {
                    // Pause for a few seconds
                    Thread.Sleep(3000);
                }
                else
                {
                    Console.WriteLine(status);
                }
            } while (true);
        }
    }
}
```

```

                break;
            }
        }
    }
}
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>

ON-PREMISE OFFLINE SDK

[60 Day Free Trial](#) or [Visit ByteScout Cloud API Server Home Page](#)
[Explore ByteScout Cloud API Server Documentation](#)
[Explore Samples](#)
[Sign Up for ByteScout Cloud API Server Online Training](#)

ON-DEMAND REST WEB API

[Get Your API Key](#)
[Explore Web API Docs](#)
[Explore Web API Samples](#)

[visit www.ByteScout.com](#)

[visit www.PDF.co](#)

[www.bytescout.com](#)