www.bytescout.com

How to optimize PDF from URL asynchronously for PDF optimization API in C# and ByteScout Cloud API Server

Learn to write code optimize PDF from URL asynchronously for PDF optimization API in C#: Simple How To Tutorial

Writing of the code to optimize PDF from URL asynchronously in C# can be done by developers of any level using ByteScout Cloud API Server. ByteScout Cloud API Server was designed to assist PDF optimization 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..

If you want to speed up the application's code writing then C# code samples for C# developers help to implement using ByteScout Cloud API Server. 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 implement PDF optimization API using ByteScout Cloud API Server.

Our website provides free trial version of ByteScout Cloud API Server that gives source code samples to assist with your C# project.

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Read more about ByteScout Cloud API Server

Explore API Documentation

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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", "ByteScou
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
                {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Debug|Any CPU.Build.0 = Debug|A
                {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Release|Any CPU.ActiveCfg = Rele
                {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Release|Any CPU.Build.0 = Releas
        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://l
// If it's not then please replace this with with your hosting url.

// Cloud API asynchronous "Optimize PDF" 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/f
                // PDF document password. Leave empty for unprotected documents.
```

```
const string Password = "";
// 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 `Optimize PDF` API call
        string query = Uri.EscapeUriString(string.Format(
                "https://localhost/pdf/optimize?name={0}&password={1}&u
                Path.GetFileName(DestinationFile),
                Password,
                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 availab
                        string resultFileUrl = json["url"].ToString();

                        // Check the job status in a loop.
                        // If you don't want to pause the main thread y
                        // to use a separate thread for the status che
                        do
                        {
                                string status = CheckJobStatus(jobId);

                                // Display timestamp and status (for de
                                Console.WriteLine(DateTime.Now.ToLongT

                                if (status == "success")
                                {
                                        // Download PDF file
                                        webClient.DownloadFile(resultF

                                        Console.WriteLine("Generated PD
                                        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=" + job

                                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

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