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

How to optimize PDF from URL in C# with easy ByteScout code samples to make PDF optimization API. Step-by-step tutorial

Quick guide: Learn how to optimize PDF from URL in C#. 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! Easy to understand tutorials are available along with installed ByteScout Cloud API Server if you'd like to learn more about the topic and the details of the API.

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.

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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 Newtonsoft.Json.Linq;

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:44318"
// If it's not then please replace this with your hosting url.
namespace ByteScoutWebApiExample
{
    class Program
    {
        // Direct URL of source PDF file.
        const string SourceFilePath = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/byte-scout-test.pdf";
        // PDF document password. Leave empty for unprotected documents.
        const string Password = "";
        // Destination PDF file name
        const string DestinationFile = @"..\result.pdf";
    }
}
```

```

static void Main(string[] args)
{
    // Create standard .NET web client instance
    WebClient webClient = new WebClient();

    // Prepare URL for `Make Searchable PDF` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/pdf/optimize?name={0}&password={1}&{2}",
        Path.GetFileName(DestinationFile),
        Password,
        SourceFileUrl));

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

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

        if (json["error"].ToObject<bool>() == false)
        {
            // Get URL of generated PDF file
            string resultFileUrl = json["url"].ToString();

            // Download PDF file
            webClient.DownloadFile(resultFileUrl, DestinationFile);

            Console.WriteLine("Generated PDF file saved as " +
                DestinationFile);
        }
        else
        {
            Console.WriteLine(json["message"].ToString());
        }
    }
    catch (WebException e)
    {
        Console.WriteLine(e.ToString());
    }

    webClient.Dispose();

    Console.WriteLine();
    Console.WriteLine("Press any key...");
    Console.ReadKey();
}
}

```

```
<?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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