

How to add text and images to PDF in C# with ByteScout Cloud API Server

Step-by-step tutorial on how to add text and images to PDF in C#

The coding instructions are formulated to help you to try-out the features without the requirement to write your own code. 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.. It can add text and images to PDF in C#.

This prolific sample source code in C# for ByteScout Cloud API Server contains various functions and other necessary options you should do calling the API to add text and images to PDF. Follow the instructions from scratch to work and copy the C# code. Use of ByteScout Cloud API Server in C# is also described in the documentation included along with the product.

You can download free trial version of ByteScout Cloud API Server from our website with this and other source code samples for C#.

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Source Code Files:

AddImagesToExistingPDF.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.26730.10
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "AddImagesToExistingPDF", "AddImage
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
    GlobalSection(ExtensibilityGlobals) = postSolution
        SolutionGuid = {238BD6FC-F70A-4B5C-B639-34E5B171A981}
    EndGlobalSection
EndGlobal
```

Program.cs

```
using System;
using System.IO;
using System.Net;
using Newtonsoft.Json.Linq;

namespace ByteScoutWebApiExample
{
    // Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/bytescout-test.pdf"
    // If it's not then please replace this with with your hosting url.

    class Program
    {
        // Direct URL of source PDF file.
        const string SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/bytescout-test.pdf";
        // Comma-separated list of page indices (or ranges) to process. Leave empty to process all pages.
        const string Pages = "";
        // PDF document password. Leave empty for unprotected documents.
        const string Password = "";
    }
}
```

```

// Destination PDF file name
    const string DestinationFile = @".\result.pdf";

// Image params
private const string Type1 = "image";
private const int X1 = 400;
private const int Y1 = 20;
private const int Width1 = 119;
private const int Height1 = 32;
private const string ImageUrl = "https://bytescout-com.s3.amazonaws.com/files/000/000/001/test-image.png?Expires=1580000000&Signature=JGzX%2BZCQ%2FyfDw%3D&Key-Pair-Id=APKAQHJ4RQHUVQYUJLTA";

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

    // * Add image *
    // Prepare URL for `PDF Edit` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://localhost/pdf/edit/add?name={0}&password={1}&path={2}&type={3}&x1={4}&y1={5}&width={6}&height={7}&source={8}",
        Path.GetFileName(DestinationFile),
        Password,
        Pages,
        SourceImageUrl,
        Type1,
        X1,
        Y1,
        Width1,
        Height1,
        ImageUrl));
}

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 resultImageUrl = json["url"].ToString();

        // Download PDF file
        webClient.DownloadFile(resultImageUrl, 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();
    }
}
```

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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