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delete text from PDF in C# using ByteScout Cloud API Server

What is ByteScout Cloud API Server? It 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!.

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Source Code Files:

ByteScoutWebApiExample.csproj



```

<?xml version="1.0" encoding="utf-8"?>
<Project ToolsVersion="12.0" DefaultTargets="Build" xmlns="http://schemas.microsoft.com
  <Import Project="$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Common.pr
  <PropertyGroup>
    <Configuration Condition=" '$(Configuration)' == '' ">Debug</Configuration>
    <Platform Condition=" '$(Platform)' == '' ">AnyCPU</Platform>
    <ProjectGuid>{1E1C2C34-017E-4605-AE2B-55EA3313BE51}</ProjectGuid>
    <OutputType>Exe</OutputType>
    <AppDesignerFolder>Properties</AppDesignerFolder>
    <RootNamespace>ByteScoutWebApiExample</RootNamespace>
    <AssemblyName>ByteScoutWebApiExample</AssemblyName>
    <TargetFrameworkVersion>v4.0</TargetFrameworkVersion>
    <FileAlignment>512</FileAlignment>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugSymbols>>true</DebugSymbols>
    <DebugType>full</DebugType>
    <Optimize>>false</Optimize>
    <OutputPath>bin\Debug\</OutputPath>
    <DefineConstants>DEBUG;TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Release|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugType>pdbonly</DebugType>
    <Optimize>>true</Optimize>
    <OutputPath>bin\Release\</OutputPath>
    <DefineConstants>TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <ItemGroup>
    <Reference Include="Newtonsoft.Json, Version=10.0.0.0, Culture=neutral, PublicKeyT
      <HintPath>packages\Newtonsoft.Json.10.0.3\lib\net40\Newtonsoft.Json.dll</HintPat
      <Private>True</Private>
    </Reference>
    <Reference Include="System" />
    <Reference Include="System.Core" />
    <Reference Include="System.Xml.Linq" />
    <Reference Include="System.Data" />
    <Reference Include="System.Xml" />
  </ItemGroup>
  <ItemGroup>
    <Compile Include="Program.cs" />
    <Compile Include="Properties\AssemblyInfo.cs" />
  </ItemGroup>
  <ItemGroup>
    <None Include="packages.config" />
    <Content Include="sample.pdf">
      <CopyToOutputDirectory>Always</CopyToOutputDirectory>
    </Content>
  </ItemGroup>
  <Import Project="$(MSBuildToolsPath)\Microsoft.CSharp.targets" />
  <!-- To modify your build process, add your task inside one of the targets below and
    Other similar extension points exist, see Microsoft.Common.targets.
  <Target Name="BeforeBuild">
  </Target>
  <Target Name="AfterBuild">

```

```
</Target>
-->
</Project>
```

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", "{1E1C2C34-017E-4605-AE2B-55EA3313BE51}"
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.Collections.Generic;
using System.IO;
using System.Net;
using Newtonsoft.Json;
using Newtonsoft.Json.Linq;

namespace ByteScoutWebApiExample
{
```

```

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "h
// If it's not then please replace this with with your hosting url.
class Program
{
    // The authentication key (API Key).
    // Get your own by registering at https://app.pdf.co/documentation/api
    const String API_KEY = "*****";

    // Source PDF file
    const string SourceFile = @".\sample.pdf";

    // PDF document password. Leave empty for unprotected documents.
    const string Password = "";

    // The text to search for and remove
    const string SearchString = "conspicuous";

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

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

        // Set API Key
        webClient.Headers.Add("x-api-key", API_KEY);

        // Upload file to the cloud
        string uploadedFileUrl = UploadFile(SourceFile);

        if (string.IsNullOrEmpty(uploadedFileUrl))
        {
            Console.WriteLine("File upload error.");
            return;
        }

        // DELETE TEXT FROM UPLOADED PDF FILE

        // Prepare requests params as JSON
        // See documentation: https://apidocs.pdf.co/#pdf-search-and-delete-text-f
        Dictionary<string, string> parameters = new Dictionary<string, string>();
        parameters.Add("url", uploadedFileUrl);
        parameters.Add("password", Password);
        parameters.Add("name", Path.GetFileName(DestinationFile));
        parameters.Add("searchString", SearchString);
        // Convert dictionary of params to JSON
        string jsonPayload = JsonConvert.SerializeObject(parameters);

        try
        {
            // URL of "Delete Text from PDF" endpoint
            string url = "https://localhost/pdf/edit/delete-text";

            // Execute POST request with JSON payload

```

```

        string response = webClient.UploadString(url, jsonPayload);

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

            Console.WriteLine("Generated PDF file saved as \"{0}\" file.", Des
        }
        else
        {
            Console.WriteLine(json["message"].ToString());
        }
    }
    catch (WebException e)
    {
        Console.WriteLine(e.ToString());
    }

    webClient.Dispose();

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

/// <summary>
/// Uploads file to the cloud and return URL of uploaded file to use in further
/// </summary>
/// <param name="file">Source file name (path).</param>
/// <returns>URL of uploaded file</returns>
static string UploadFile(string file)
{
    // Create standard .NET web client instance
    WebClient webClient = new WebClient();

    // Set API Key
    webClient.Headers.Add("x-api-key", API_KEY);

    try
    {
        // 1. RETRIEVE THE PRESIGNED URL TO UPLOAD THE FILE.
        // * If you already have a direct file URL, skip to the step 3.

        // Prepare URL for `Get Presigned URL` API call
        string query = Uri.EscapeUriString(string.Format(
            "https://localhost/file/upload/get-presigned-url?contenttype=appli
            Path.GetFileName(file)));

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

        // Parse JSON response

```

```

JObject json = JObject.Parse(response);

if (json["error"].ToObject<bool>() == false)
{
    // Get URL to use for the file upload
    string uploadUrl = json["presignedUrl"].ToString();
    // Get URL of uploaded file to use with later API calls
    string uploadedFileUrl = json["url"].ToString();

    // 2. UPLOAD THE FILE TO CLOUD.

    webClient.Headers.Add("content-type", "application/octet-stream");
    webClient.UploadFile(uploadUrl, "PUT", file); // You can use Uploa

    return uploadedFileUrl;
}
else
{
    // Display service reported error
    Console.WriteLine(json["message"].ToString());
}
}
catch (Exception e)
{
    Console.WriteLine(e);
    throw;
}
finally
{
    webClient.Dispose();
}

return null;
}
}
}

```

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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