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How to replace text from PDF in VB.NET and PDF.co Web API

PDF.co Web API is the flexible Web API that includes full set of functions from e-signature requests to data extraction, OCR, images recognition, pdf splitting and pdf splitting. Can also generate barcodes and read barcodes from images, scans and pdf.

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Source Code Files:

ByteScoutWebApiExample.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.26730.10
MinimumVisualStudioVersion = 10.0.40219.1
Project("{F184B08F-C81C-45F6-A57F-5ABD9991F28F}") = "ByteScoutWebApiExample", "ByteScoutWebApiExample
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.Build.0 = Release|Any CPU
```

```

EndGlobalSection
GlobalSection(SolutionProperties) = preSolution
    HideSolutionNode = FALSE
EndGlobalSection
GlobalSection(ExtensibilityGlobals) = postSolution
    SolutionGuid = {4576C9BB-A42D-46A8-9198-7E2982E122FA}
EndGlobalSection
EndGlobal

```

ByteScoutWebApiExample.vbproj

```

<?xml version="1.0" encoding="utf-8"?>
<Project ToolsVersion="15.0" xmlns="http://schemas.microsoft.com/developer/msbuild/2003">
  <Import Project="$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Common.props" Condition="Exists('$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Common.props')">
  </Import>
  <PropertyGroup>
    <Configuration Condition="'$(Configuration)' == ''">Debug</Configuration>
    <Platform Condition="'$(Platform)' == ''">AnyCPU</Platform>
    <ProjectGuid>{9B91124C-66C3-4BD9-B29E-168C1ABB15AC}</ProjectGuid>
    <OutputType>Exe</OutputType>
    <StartupObject>ByteScoutWebApiExample.Module1</StartupObject>
    <RootNamespace>ByteScoutWebApiExample</RootNamespace>
    <AssemblyName>ByteScoutWebApiExample</AssemblyName>
    <FileAlignment>512</FileAlignment>
    <MyType>Console</MyType>
    <TargetFrameworkVersion>v4.0</TargetFrameworkVersion>
  </PropertyGroup>
  <PropertyGroup Condition="'$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugSymbols>>true</DebugSymbols>
    <DebugType>full</DebugType>
    <DefineDebug>>true</DefineDebug>
    <DefineTrace>>true</DefineTrace>
    <OutputPath>bin\Debug</OutputPath>
    <DocumentationFile>ByteScoutWebApiExample.xml</DocumentationFile>
    <NoWarn>42016,41999,42017,42018,42019,42032,42036,42020,42021,42022</NoWarn>
  </PropertyGroup>
  <PropertyGroup Condition="'$(Configuration)|$(Platform)' == 'Release|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugType>pdbonly</DebugType>
    <DefineDebug>>false</DefineDebug>
    <DefineTrace>>true</DefineTrace>
    <Optimize>>true</Optimize>
    <OutputPath>bin\Release</OutputPath>
    <DocumentationFile>ByteScoutWebApiExample.xml</DocumentationFile>
    <NoWarn>42016,41999,42017,42018,42019,42032,42036,42020,42021,42022</NoWarn>
  </PropertyGroup>
  <PropertyGroup>
    <OptionExplicit>On</OptionExplicit>
  </PropertyGroup>
  <PropertyGroup>
    <OptionCompare>Binary</OptionCompare>
  </PropertyGroup>
  <PropertyGroup>
    <OptionStrict>Off</OptionStrict>
  </PropertyGroup>
  <PropertyGroup>
    <OptionInfer>On</OptionInfer>
  </PropertyGroup>
  <ItemGroup>
    <Reference Include="Newtonsoft.Json, Version=10.0.0.0, Culture=neutral, PublicKeyToken=30ad4fe6b2a6aeed, p
    <HintPath>packages\Newtonsoft.Json.10.0.3\lib\net40\Newtonsoft.Json.dll</HintPath>
    </Reference>
    <Reference Include="System" />
    <Reference Include="System.Data" />
    <Reference Include="System.Deployment" />
    <Reference Include="System.Xml" />
  </ItemGroup>

```

```

<Reference Include="System.Core" />
<Reference Include="System.Xml.Linq" />
<Reference Include="System.Data.DataSetExtensions" />
</ItemGroup>
<ItemGroup>
<Import Include="Microsoft.VisualBasic" />
<Import Include="System" />
<Import Include="System.Collections" />
<Import Include="System.Collections.Generic" />
<Import Include="System.Data" />
<Import Include="System.Diagnostics" />
<Import Include="System.Linq" />
<Import Include="System.Xml.Linq" />
</ItemGroup>
<ItemGroup>
<Compile Include="Module1.vb" />
<Compile Include="My Project\AssemblyInfo.vb" />
<Compile Include="My Project\Application.Designer.vb">
  <AutoGen>True</AutoGen>
  <DependentUpon>Application.myapp</DependentUpon>
</Compile>
<Compile Include="My Project\Resources.Designer.vb">
  <AutoGen>True</AutoGen>
  <DesignTime>True</DesignTime>
  <DependentUpon>Resources.resx</DependentUpon>
</Compile>
<Compile Include="My Project\Settings.Designer.vb">
  <AutoGen>True</AutoGen>
  <DependentUpon>Settings.settings</DependentUpon>
  <DesignTimeSharedInput>True</DesignTimeSharedInput>
</Compile>
</ItemGroup>
<ItemGroup>
<EmbeddedResource Include="My Project\Resources.resx">
  <Generator>VbMyResourcesResXFileCodeGenerator</Generator>
  <LastGenOutput>Resources.Designer.vb</LastGenOutput>
  <CustomToolNamespace>My.Resources</CustomToolNamespace>
  <SubType>Designer</SubType>
</EmbeddedResource>
</ItemGroup>
<ItemGroup>
<None Include="My Project\Application.myapp">
  <Generator>MyApplicationCodeGenerator</Generator>
  <LastGenOutput>Application.Designer.vb</LastGenOutput>
</None>
<None Include="My Project\Settings.settings">
  <Generator>SettingsSingleFileGenerator</Generator>
  <CustomToolNamespace>My</CustomToolNamespace>
  <LastGenOutput>Settings.Designer.vb</LastGenOutput>
</None>
<None Include="packages.config" />
</ItemGroup>
<Import Project="$(MSBuildToolsPath)\Microsoft.VisualBasic.targets" />
</Project>

```

Module1.vb

```

Imports System.IO
Imports System.Net
Imports Newtonsoft.Json.Linq

```

```

Module Module1

```

```

    ' The authentication key (API Key).
    ' Get your own by registering at https://app.pdf.co/documentation/api
    Const API_KEY As String = "*****"

```

```

' Direct URL of source PDF file.
Const SourceFileUrl As String = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/pdf-split/sa
' PDF document password. Leave empty for unprotected documents.
const Password As string = ""
' Destination PDF file name
const DestinationFile as string = ".\result.pdf"

Sub Main()

    ' Create standard .NET web client instance
    Dim webClient As WebClient = New WebClient()

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

    ' Prepare URL for `Replace Text from PDF` API call
    Dim query As String = Uri.EscapeUriString(String.Format(
        "https://api.pdf.co/v1/pdf/edit/replace-text?name={0}&password={1}&url={2}&searchString=The most co
        Path.GetFileName(DestinationFile),
        Password,
        SourceFileUrl))

    Try
        ' Execute request
        Dim response As String = webClient.DownloadString(query)

        ' Parse JSON response
        Dim json As JObject = JObject.Parse(response)

        If json("error").ToObject(Of Boolean) = False Then

            ' Get URL of generated PDF file
            Dim resultFileUrl As String = json("url").ToString()

            ' Download PDF file
            webClient.DownloadFile(resultFileUrl, DestinationFile)

            Console.WriteLine("Generated PDF file saved as ""{0}"" file.", DestinationFile)

        Else
            Console.WriteLine(json("message").ToString())
        End If

    Catch ex As WebException
        Console.WriteLine(ex.ToString())
    End Try

    webClient.Dispose()

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

End Sub

End Module

```

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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