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How to merge any documents from urls for PDF merging API in VB.NET and PDF.co Web API

What is PDF.co Web API? It 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.vbproj"
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')>
  <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>
  </PropertyGroup>

```

```

<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, PublicKeyT
    <HintPath>packages\Newtonsoft.Json.10.0.3\lib\net40\Newtonsoft.Json.dll</HintPat
  </Reference>
  <Reference Include="System" />
  <Reference Include="System.Data" />
  <Reference Include="System.Deployment" />
  <Reference Include="System.Xml" />
  <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>

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    <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
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 URLs of files to merge. Supports documents, spreadsheets, images as s
    Dim SourceFiles As String() = {
        "https://bytescout-com.s3-us-west-2.amazonaws.com/files/demo-files
        "https://bytescout-com.s3-us-west-2.amazonaws.com/files/demo-f
    }

    ' 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)

' Set JSON content type
webClient.Headers.Add("Content-Type", "application/json")

' Prepare URL for `Merge Document` API call
Dim url As String = "https://api.pdf.co/v1/pdf/merge2"

' Prepare requests params as JSON
' See documentation: https : //apidocs.pdf.co
Dim parameters As New Dictionary(Of String, Object)
parameters.Add("name", Path.GetFileName(DestinationFile))
parameters.Add("url", string.Join(",", SourceFiles))

' Convert dictionary of params to JSON
Dim jsonPayload As String = JsonConvert.SerializeObject(parameters)

Try
    ' Execute POST request with JSON payload
    Dim response As String = webClient.UploadString(url, jsonPayload)

    ' 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}""")

    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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