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How to remove PDF document protection for PDF password and security in VB.NET using PDF.co Web API

PDF.co Web API: the Web API with a set of tools for documents manipulation, data conversion, data extraction, splitting and merging of documents. Includes image recognition, built-in OCR, barcode generation and barcode decoders to decode bar codes from scans, pictures 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="$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Common.props" >
    <PropertyGroup>
      <Configuration Condition="'$(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>
    </PropertyGroup>
  </Project>

```

```

<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>0n</OptionExplicit>
</PropertyGroup>
<PropertyGroup>
  <OptionCompare>Binary</OptionCompare>
</PropertyGroup>
<PropertyGroup>
  <OptionStrict>0ff</OptionStrict>
</PropertyGroup>
<PropertyGroup>
  <OptionInfer>0n</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" />
</ItemGroup>
<ItemGroup>
  <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 = "*****"

    ' Source PDF file url
    Const SourceFileUrl As String = "https://bytescout-com.s3-us-west-2.amazonaws."

    ' The owner/user password to open file And to remove security features
    Const PDFFilePassword As String = "admin@123"

    ' Destination file
    Const DestinationFile As String = "./unprotected.pdf"

    Sub Main()

        ' Runs processing asynchronously.
        ' Returns Use JobId that you may use with /job/check to check state of
        Dim async As Boolean = False

        ' 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")

        ' URL of "Remove PDF Security" endpoint
        Dim url As String = "https://api.pdf.co/v1/pdf/security/remove"

        ' 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", SourceFileUrl)
        parameters.Add("password", PDFFilePassword)
        parameters.Add("async", async)

        ' 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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