

How to read barcode from uploaded file for barcode reader API in VB.NET using PDF.co Web API

Step By Step Tutorial: how to read barcode from uploaded file for barcode reader API in VB.NET

We've created and updating regularly our sample code library so you may quickly learn barcode reader API and the step-by-step process in VB.NET. PDF.co Web API was made to help with barcode reader API in VB.NET. PDF.co Web API is the Rest API that provides set of data extraction functions, tools for documents manipulation, splitting and merging of pdf files. Includes built-in OCR, images recognition, can generate and read barcodes from images, scans and pdf.

This rich sample source code in VB.NET for PDF.co Web API includes the number of functions and options you should do calling the API to implement barcode reader API. This VB.NET sample code should be copied and pasted into your project. After doing this just compile your project and click Run. Tutorials are available along with installed PDF.co Web API if you'd like to dive deeper into the topic and the details of the API.

ByteScout free trial version is available for FREE download from our website. Programming tutorials along with source code samples are included.

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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.csproj", "{F184B08F-C81C-45F6-A57F-5ABD9991F28F}"
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
```

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 = "*****"

    ' Source file name
    const SourceFile as string = ".\sample.pdf"
    ' Comma-separated list of barcode types to search.
    ' See valid barcode types in the documentation https://app.pdf.co/documentation/api
    Const BarcodeTypes As String = "Code128,Code39,Interleaved2of5,EAN13"
    ' Comma-separated list of page indices (or ranges) to process. Leave empty for all pages.
```

```
Const Pages As String = ""
```

```
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)
```

```
    ' 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  
    Dim query As string = Uri.EscapeUriString(String.Format(  
        "https://api.pdf.co/v1/file/upload/get-presigned-url?contenttype={0}&fileName={1}&pages={2}",  
        Path.GetFileName(SourceFile)))
```

```
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 to use for the file upload  
        Dim uploadUrl As string = json("presignedUrl").ToString()  
        ' Get URL of uploaded file to use with later API calls  
        Dim uploadedFileUrl As string = json("url").ToString()
```

```
        ' 2. UPLOAD THE FILE TO CLOUD.
```

```
        webClient.Headers.Add("content-type", "application/octet-stream")  
        webClient.UploadFile(uploadUrl, "PUT", SourceFile) ' You can also use webClient.UploadData()
```

```
        ' 3. READ BARCODES FROM UPLOADED FILE
```

```
        ' Prepare URL for `Barcode Reader` API call  
        query = Uri.EscapeUriString(String.Format(  
            "https://api.pdf.co/v1/barcode/read/from/url?type={0}&url={1}&pages={2}&barcodeTypes={3}",  
            BarcodeTypes,  
            Pages,  
            uploadedFileUrl))
```

```
        ' Execute request  
        response = webClient.DownloadString(query)
```

```
        ' Parse JSON response  
        json = JObject.Parse(response)
```

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

```
            ' Display found barcodes in console  
            For Each token As JToken In json("barcodes")  
                Console.WriteLine("Found barcode:")  
                Console.WriteLine("  Type: " + token("type").ToString())  
                Console.WriteLine("  Value: " + token("value").ToString())  
                Console.WriteLine("  Document Page Index: " + token("documentPageIndex").ToString())  
                Console.WriteLine("  Rectangle: " + token("rectangle").ToString())  
            Next
```

```

                Console.WriteLine("  Confidence: " + t)
                Console.WriteLine()
            Next
        Else
            Console.WriteLine(json("message").ToString())
        End If
    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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