

## How to read barcode from uploaded file for barcode reader API in VB.NET and ByteScout Cloud API Server

Learn to write code read barcode from uploaded file for barcode reader API in VB.NET:  
Simple How To Tutorial

We regularly create and update our sample code library so you may quickly learn barcode reader API and the step-by-step process in VB.NET. ByteScout Cloud API Server was designed to assist barcode reader API in VB.NET. ByteScout Cloud API Server 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!.

Want to learn quickly? These fast application programming interfaces of ByteScout Cloud API Server for VB.NET plus the instruction and the code below will help to learn how to read barcode from uploaded file. Open your VB.NET project and simply copy & paste the code and then run your app! Further improvement of the code will make it more robust.

Our website provides free trial version of ByteScout Cloud API Server that gives source code samples to assist with your VB.NET project.

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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

' Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:5000/"
' If it's not then please replace this with with your hosting url.

Module Module1

    ' Source file name
    const SourceFile as string = ".\sample.pdf"
    ' Comma-separated list of barcode types to search.
    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 = ""

End Module
```

```
Sub Main()
```

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

```
    ' 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://localhost/file/upload/get-presigned-url?contenttype=ap  
        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 use SourceFile or uploadUrl
```

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

```
        ' Prepare URL for `Barcode Reader` API call  
        query = Uri.EscapeUriString(String.Format(  
            "https://localhost/barcode/read/from/url?types=  
            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())  
                Console.WriteLine("    Confidence: " + token("confidence").ToString())  
                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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