

How to parse from url for document parser API in VB.NET and PDF.co Web API

Learn to write code parse from url for document parser API in VB.NET: Simple How To Tutorial

The easy to understand coding guides help you check the features without any need to write your own code. PDF.co Web API was designed to assist document parser API in VB.NET. 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.

VB.NET code snippet like this for PDF.co Web API works best when you need to quickly implement document parser API in your VB.NET application. Open your VB.NET project and simply copy & paste the code and then run your app! Want to see how it works with your data then code testing will allow the function to be tested and work properly.

Trial version of ByteScout is available for free download from our website. This and other source code samples for VB.NET and other programming languages are available.

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Source Code Files:

```

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.Collections.Specialized
Imports System.IO
Imports System.Net
Imports System.Text
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.amazonaws.com/files/demo-files/source/example.pdf"

    ' Destination TXT file name
    Const DestinationFile As String = ".\result.json"

```

```

Sub Main()

    ' Template text. Use Document Parser SDK (https://bytescout.com/products/development.html)
    ' to create templates.
    ' Read template from file
    Dim templateText As String = File.ReadAllText("MultiPageTable-template1.yml")

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

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

    Try

        ' PARSE UPLOADED PDF DOCUMENT

        ' URL for `Document Parser` API call
        Dim query As String = "https://api.pdf.co/v1/pdf/documentparser"

        Dim requestBody As New NameValueCollection()
        requestBody.Add("url", SourceFileUrl)
        requestBody.Add("template", templateText)

        ' Execute request
        Dim responseBytes As Byte() = webClient.UploadValues(query, "POST", requestBody)
        Dim response As String = Encoding.UTF8.GetString(responseBytes)

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

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

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

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

            Console.WriteLine("Generated JSON 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

```

MultiPageTable-template1.yml

```
---
# Template that demonstrates parsing of multi-page table using only
# regular expressions for the table start, end, and rows.
# If regular expression cannot be written for every table row (for example,
# if the table contains empty cells), try the second method demonstrated
# in `MultiPageTable-template2.yml` template.
templateVersion: 2
templatePriority: 0
sourceId: Multipage Table Test
detectionRules:
  keywords:
    - Sample document with multi-page table
fields:
  total:
    expression: TOTAL {{DECIMAL}}
tables:
- name: table1
  start:
    # regular expression to find the table start in document
    expression: Item\s+Description\s+Price\s+Qty\s+Extended Price
  end:
    # regular expression to find the table end in document
    expression: TOTAL\s+\d+\.\d\d
  row:
    # regular expression to find table rows
    expression: '^s*(?<itemNo>\d+)\s+(?<description>.+?)\s+(?<price>\d+\.\d\d)\s+(?<qty>\d+)'
  columns:
    - name: itemNo
      type: integer
    - name: description
      type: string
    - name: price
      type: decimal
    - name: qty
      type: integer
    - name: extPrice
      type: decimal
multipage: true
```

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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