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How to PDF text search API in VB.NET and ByteScout Cloud API Server

Continuous learning is a crucial part of computer science and this tutorial shows how to PDF text search API in VB.NET

We made thousands of pre-made source code pieces for easy implementation in your own programming projects. ByteScout Cloud API Server is API server that is ready to use and can be installed and deployed in less than 30 minutes on your own Windows server or server in a cloud. It can save data and files on your local server-based file storage or in Amazon AWS S3 storage. Data is processed solely on the API server and is powered by ByteScout engine, no cloud services or Internet connection is required for data processing. and you can use it to PDF text search API with VB.NET.

The SDK samples given below describe how to quickly make your application do PDF text search API in VB.NET with the help of ByteScout Cloud API Server. Simply copy and paste in your VB.NET project or application you and then run your app! If you want to use these VB.NET sample examples in one or many applications then they can be used easily.

Our website gives trial version of ByteScout Cloud API Server for free. It also includes documentation and source code samples.

FOR MORE INFORMATION AND FREE TRIAL:

Download Free Trial SDK (on-premise version)

Read more about ByteScout Cloud API Server

Explore API Documentation

Get Free Training for ByteScout Cloud API Server

Get Free API key for Web API

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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", "ByteScou
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
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Debug|Any CPU.Build.0 = Debug|A
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.ActiveCfg = Rele
                {9B91124C-66C3-4BD9-B29E-168C1ABB15AC}.Release|Any CPU.Build.0 = Releas
        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://lo
' If it's not then please replace this with with your hosting url.
Module Module1

    ' Source PDF file
    Const SourceFile As String = ".\sample.pdf"

    ' Comma-separated list of page indices (or ranges) to process. Leave empty for all
    Const Pages As String = ""

    ' PDF document password. Leave empty for unprotected documents.
    Const Password As String = ""
```

```
' Search string.
Const SearchString As String = "\d{1,}\.\d\d" 'Regular expression To find numbers l
' Note: Do Not use `+` char in regex, but use `{1,}` instead.
' `+` char Is valid for URL And will Not be escaped, And it will become a space cha

' Enable regular expressions (Regex)
Const RegexSearch As Boolean = True

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=application/oc
        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 Upload

            ' 3. MAKE UPLOADED PDF FILE SEARCHABLE

            ' Prepare URL for PDF text search API call.
            query = Uri.EscapeUriString(
                        String.Format("https://localhost/pdf/find?password={0}&page
                            Password,
                            Pages,
                            uploadedFileUrl,
                            SearchString,
                            RegexSearch))

            ' Execute request
            response = webClient.DownloadString(query)

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

            If json("error").ToObject(Of Boolean) = False Then
                For Each item As JToken In json("body")
                    Console.WriteLine({code}quot;Found text {item("text")} at coord
                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

ON-PREMISE OFFLINE SDK

60 Day Free Trial or Visit ByteScout Cloud API Server Home Page
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