

How to convert PDF to JSON from URL asynchronously for PDF to JSON API in VB.NET and ByteScout Cloud API Server

Learn to write code convert PDF to JSON from URL asynchronously for PDF to JSON API in VB.NET: Simple How To Tutorial

Writing of the code to convert PDF to JSON from URL asynchronously in VB.NET can be done by developers of any level using ByteScout Cloud API Server. ByteScout Cloud API Server was designed to assist PDF to JSON 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!.

If you want to speed up the application's code writing then VB.NET code samples for VB.NET developers help to implement using ByteScout Cloud API Server. This sample code in VB.NET is all you need. Just copy-paste it to the code editor, then add a reference to ByteScout Cloud API Server and you are ready to try it! Easy to understand tutorials are available along with installed ByteScout Cloud API Server if you'd like to learn more about the topic and the details of the API.

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:

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 System.Threading
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 your hosting url.

' Cloud API asynchronous "PDF To JSON" job example.
' Allows to avoid timeout errors when processing huge or scanned PDF documents.

Module Module1

    ' Direct URL of source PDF file.
    Const SourceFileUrl As String = "https://bytescout-com.s3.amazonaws.com/files/example-scanned-pdf.pdf"
```

```

' Comma-separated list of page indices (or ranges) to process. Leave empty for
Const Pages As String = ""
' PDF document password. Leave empty for unprotected documents.
Const Password As String = ""
' Destination JSON file name
Const DestinationFile As String = ".\result.json"
' (!) Make asynchronous job
Const Async As Boolean = True

```

```

Sub Main()

```

```

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

    ' Prepare URL for `PDF To JSON` API call
    Dim query As String = Uri.EscapeUriString(String.Format(
        "https://localhost/pdf/convert/to/json?name={0}&password={1}&pages={2}&sourceFileUrl={3}&async={4}",
        Path.GetFileName(DestinationFile),
        Password,
        Pages,
        SourceFileUrl,
        Async))

```

```

    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

```

```

            ' Asynchronous job ID
            Dim jobId As String = json("jobId").ToString()
            ' URL of generated JSON file that will be available after
            Dim resultFileUrl As String = json("url").ToString()

```

```

            ' Check the job status in a loop.
            ' If you don't want to pause the main thread you can re
            ' to use a separate thread for the status checking and
            Do

```

```

                Dim status As String = CheckJobStatus(jobId) '

```

```

                ' Display timestamp and status (for demo purposes)
                Console.WriteLine(DateTime.Now.ToLongTimeString() & " Job Status: " & status)

```

```

                If status = "success" Then

```

```

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

```

```

                    Console.WriteLine("Generated JSON file saved to " & DestinationFile)
                    Exit Do

```

```

                ElseIf status = "working" Then

```

```

                    ' Pause for a few seconds
                    Thread.Sleep(3000)

```

```

                Else
                    Console.WriteLine(status)
                    Exit Do
                End If
            Loop

            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

    Function CheckJobStatus(jobId As String) As String

        Using webClient As WebClient = New WebClient()

            Dim url As String = "https://localhost/job/check?jobid=" + jobId

            Dim response As String = webClient.DownloadString(url)
            Dim json As JObject = JObject.Parse(response)

            Return Convert.ToString(json("status"))

        End Using

    End Function

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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