

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

Follow this simple tutorial to learn convert CSV to PDF from URL asynchronously to have CSV to PDF API in VB.NET

The documentation is written to assist you to apply all the necessary features on your side. CSV to PDF API in VB.NET can be applied with ByteScout Cloud API Server. 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..

The SDK samples displayed below explain how to quickly make your application do CSV to PDF API in VB.NET with the help of ByteScout Cloud API Server. Follow the tutorial and copy - paste code for VB.NET into your project's code editor. Enjoy writing a code with ready-to-use sample VB.NET codes to add CSV to PDF API functions using ByteScout Cloud API Server in VB.NET.

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.sln"
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 with your hosting url.

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

Module Module1

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

```

Const DestinationFile As String = ".\result.pdf"
' (!) 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 `CSV To PDF` API call
    Dim query As String = Uri.EscapeUriString(String.Format(
        "https://localhost/pdf/convert/from/csv?name={0}&url={1}&async-
        Path.GetFileName(DestinationFile),
        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 PDF file that will 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 purpos
                Console.WriteLine(DateTime.Now.ToLongTimeString

                If status = "success" Then

                    ' Download PDF file
                    webClient.DownloadFile(resultFileUrl, D

                    Console.WriteLine("Generated PDF file s
                    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
    End Try
End Sub

```

```

        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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