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How to convert images to PDF from urls asynchronously for image to PDF API in VB.NET using PDF.co Web API

See how to convert images to PDF from urls asynchronously to have image to PDF API in VB.NET

ByteScout tutorials explain the code material for beginners and advanced programmers who are using VB.NET. PDF.co Web API was made to help with image to PDF API in VB.NET. PDF.co Web API is the Rest API that provides set of data extraction functions, tools for documents manipulation, splitting and merging of pdf files. Includes built-in OCR, images recognition, can generate and read barcodes from images, scans and pdf.

This rich sample source code in VB.NET for PDF.co Web API includes the number of functions and options you should do calling the API to implement image to PDF API. For implementation of this functionality, please copy and paste code below into your app using code editor. Then compile and run your app. Code testing will allow the function to be tested and work properly with your data.

Our website provides free trial version of PDF.co Web API that includes source code samples to help 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", {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

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

Module Module1

    ' The authentication key (API Key).
    ' Get your own by registering at https://app.pdf.co/documentation/api
    Const API_KEY As String = "*****"

    ' Direct URLs of image files to convert to PDF document
    Dim SourceFiles As String() = {
        "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/ima
```

```

    "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/imag
' 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()

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

    ' Prepare URL for `Image To PDF` API call
    Dim query As String = Uri.EscapeUriString(String.Format(
        "https://api.pdf.co/v1/pdf/convert/from/image?name={0}&url={1}&
        Path.GetFileName(DestinationFile),
        String.Join(", ", SourceFiles),
        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 purposes)
                Console.WriteLine(DateTime.Now.ToString("yyyy-MM-dd HH:mm:ss") + " - " + status)

                If status = "success" Then

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

                    Console.WriteLine("Generated PDF 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()

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

        Dim url As String = "https://api.pdf.co/v1/job/check?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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