

How to merge PDF documents from urls asynchronously for PDF merging API in VB.NET using PDF.co Web API

How to merge PDF documents from urls asynchronously in VB.NET with easy ByteScout code samples to make PDF merging API. Step-by-step tutorial

On this page you will learn from code samples for programming in VB.NET. PDF merging API in VB.NET can be implemented with PDF.co Web API. PDF.co Web API is the Web API with a set of tools for documents manipulation, data conversion, data extraction, splitting and merging of documents. Includes image recognition, built-in OCR, barcode generation and barcode decoders to decode bar codes from scans, pictures and pdf.

You will save a lot of time on writing and testing code as you may just take the code below and use it in your application. This VB.NET sample code should be copied and pasted into your project. After doing this just compile your project and click Run. Enjoy writing a code with ready-to-use sample VB.NET codes to implement PDF merging API using PDF.co Web API.

PDF.co Web API - free trial version is on available our website. Also, there are other code samples to help you with your VB.NET application included into trial version.

VB.NET - Module1.vb

```
Imports System.IO
Imports System.Net
Imports System.Threading
Imports Newtonsoft.Json.Linq

' Cloud API asynchronous "Merge 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 PDF files to merge
    Dim SourceFiles As String() = {
        "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-
api/pdf-merge/sample1.pdf",
        "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-
api/pdf-merge/sample2.pdf"}
    ' 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 `Merge PDF` API call
    Dim query As String = Uri.EscapeUriString(String.Format(
        "https://api.pdf.co/v1/pdf/merge?name={0}&url={1}&async={2}",
        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
            ' to use a separate thread for the status checking
            ' and completion.
            Do
                Dim status As String = CheckJobStatus(jobId)
                ' Possible statuses: "working", "failed", "aborted", "success".
                ' Display timestamp and status (for demo
                ' purposes)
                Console.WriteLine(DateTime.Now.ToLongTimeString() + ": " + status)

                If status = "success" Then

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

                    Console.WriteLine("Generated PDF file
                    saved as ""{0}"" file.", 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="
+ 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

```



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