

How to optimize PDF from URL for PDF optimization API in VB.NET using ByteScout Cloud API Server

How to optimize PDF from URL in VB.NET with easy ByteScout code samples to make PDF optimization API. Step-by-step tutorial

Every ByteScout tool includes sample VB.NET source codes that you can find here or in the folder with installed ByteScout product. ByteScout Cloud API Server was designed to assist PDF optimization 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!.

This simple and easy to understand sample source code in VB.NET for ByteScout Cloud API Server contains different functions and options you should do calling the API to implement PDF optimization API. This VB.NET sample code can be used by copying and pasting into your project. Once done, just compile your project and click Run. Further improvement of the code will make it more robust.

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", {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 Newtonsoft.Json.Linq

' Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:4433"
' If it's not then please replace this with your hosting url.
Module Module1

    ' Direct URL of source PDF file.
    Const SourceFileUrl As String = "https://bytescout-com.s3.amazonaws.com/files/documents/132/13297/sample.pdf"
    ' PDF document password. Leave empty for unprotected documents.
    const Password As string = ""
    ' Destination PDF file name
    const DestinationFile as string = ".\result.pdf"

    Sub Main()
        ' Process request and get response
        Dim json As String = GetJson("https://api.bytescout.com/api/pdf/convert", "SourceFileUrl=" & SourceFileUrl & "&DestinationFile=" & DestinationFile)
        ' Parse JSON response
        Dim obj As JObject = JObject.Parse(json)
        ' Get URL of generated PDF file
        Dim resultUrl As String = obj("Result").ToString()
        ' Open file in browser
        System.Diagnostics.Process.Start(resultUrl)
    End Sub

    ' Helper function to make POST request
    Function GetJson(url As String, parameters As String) As String
        Dim client As New HttpClient()
        Dim response As HttpResponseMessage = client.PostAsync(url, parameters).Result
        Dim content As String = response.Content.ReadAsStringAsync().Result
        Return content
    End Function
End Module
```

```

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

' Prepare URL for `Optimize PDF` API call
Dim query As String = Uri.EscapeUriString(String.Format(
    "https://localhost/pdf/optimize?name={0}&password={1}&url={2}"
    Path.GetFileName(DestinationFile),
    Password,
    SourceFileUrl))

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 of generated PDF file
        Dim resultFileUrl As String = json("url").ToString()

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

        Console.WriteLine("Generated PDF file saved as ""{0}""")

    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

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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