

## How to optimize PDF from uploaded file for PDF optimization API in VB.NET with ByteScout Cloud API Server

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

The easy to understand coding guides help you check the features without any need to write your own code. ByteScout Cloud API Server helps with PDF optimization API in VB.NET. ByteScout Cloud API Server is the ready to deploy Web API Server that can be deployed in less than thirty minutes into your own in-house Windows server (no Internet connection is required to process data!) 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. Enjoy writing a code with ready-to-use sample VB.NET codes to implement PDF optimization API using ByteScout Cloud API Server.

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

FOR MORE INFORMATION AND FREE TRIAL:

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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 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.
Module Module1

    ' Source PDF file
    const SourceFile as String = ".\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()
```

```
    ' Create standard .NET web client instance
```

```
    Dim webClient As WebClient = New WebClient()
```

```
    ' 1. RETRIEVE THE PRESIGNED URL TO UPLOAD THE FILE.
```

```
    ' * If you already have a direct file URL, skip to the step 3.
```

```
    ' Prepare URL for `Get Presigned URL` API call
```

```
    Dim query As string = Uri.EscapeUriString(String.Format(
        "https://localhost/file/upload/get-presigned-url?contenttype=application/pdf&fileName={0}",
        Path.GetFileName(SourceFile)))
```

```
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 to use for the file upload
```

```
        Dim uploadUrl As string = json("presignedUrl").ToString()
```

```
        ' Get URL of uploaded file to use with later API calls
```

```
        Dim uploadedFileUrl As string = json("url").ToString()
```

```
        ' 2. UPLOAD THE FILE TO CLOUD.
```

```
        webClient.Headers.Add("content-type", "application/octet-stream")
        webClient.UploadFile(uploadUrl, "PUT", SourceFile) ' You can also use webClient.UploadDataFile(uploadUrl, "PUT", SourceFile)
```

```
        ' 3. OPTIMIZE UPLOADED PDF FILE
```

```
        ' Prepare URL for `Optimize PDF` API call
```

```
        query = Uri.EscapeUriString(String.Format(
            "https://localhost/pdf/optimize?name={0}&password={1}&uploadurl={2}",
            Path.GetFileName(DestinationFile),
            Password,
            uploadedFileUrl))
```

```
        ' Execute request
```

```
        response = webClient.DownloadString(query)
```

```
        ' Parse JSON response
```

```
        json = 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 " & DestinationFile)
```

```
        Else
```

```
            Console.WriteLine(json("message").ToString())
```

```
        End If
```

```
        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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