

SWF to WEBM (vb in ASP.NET and ByteScout SWF To Video SDK

How to use ByteScout SWF To Video SDK for SWF to WEBM (vb in ASP.NET

On this page you will learn from code samples for programming in ASP.NET. ByteScout SWF To Video SDK was made to help with SWF to WEBM (vb in ASP.NET. ByteScout SWF To Video SDK is the specialized software development kit for programmers who need to add SWF (Flash Macromedia) to video conversion into their app. Supports WMV and AVI video output with sound as can take input flash movies with variables, actionscripts, dynamic files as input. You can control output video size, framerate, video and audio quality.

The SDK samples like this one below explain how to quickly make your application do SWF to WEBM (vb in ASP.NET with the help of ByteScout SWF To Video SDK. Follow the instruction from the scratch to work and copy and paste code for ASP.NET into your editor. Code testing will allow the function to be tested and work properly with your data.

ByteScout SWF To Video SDK free trial version is available for download from our website. Free trial also includes programming tutorials along with source code samples.

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Source Code Files:

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="S
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xl

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>

            </div>
        </form>
    </body>
</html>
```

Default.aspx.designer.vb

```
'-----
' <auto-generated>
'     This code was generated by a tool.
'     Runtime Version:2.0.50727.42
'
'     Changes to this file may cause incorrect behavior and will be lost if
'     the code is regenerated.
' </auto-generated>
'-----

Public Partial Class _Default
    Protected form1 As System.Web.UI.HtmlControls.HtmlForm
End Class
```

Default.aspx.vb

```
' x64 IMPORTANT NOTE: set CPU to x86 to build in x86 mode
```

```
Imports System.Data
Imports System.Configuration
Imports System.Collections
Imports System.Web
Imports System.Web.Security
Imports System.Web.UI
Imports System.Web.UI.WebControls
Imports System.Web.UI.WebControls.WebParts
Imports System.Web.UI.HtmlControls
Imports System.Drawing
Imports System.Diagnostics
Imports System.IO
```

```
Imports ByteScoutSWFToVideo
```

```
Public Partial Class _Default
    Inherits System.Web.UI.Page
```

```
' IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:
```

```
' Temporary folder access is required for web application when you use ByteScout SWFToVideo
' If you are getting errors related to the access to temporary folder like "Access to the path
```

```
' SOLUTION:
```

```
' If your IIS Application Pool has "Load User Profile" option enabled the IIS process will
```

```
' If you are running Web Application under an impersonated account or IIS_IUSRS group you
```

```
' In this case
```

```
' - check the User or User Group your web application is running under
```

```
' - then add permissions for this User or User Group to read and write into that temp
```

```
' - restart your web application and try again
```

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs)
```

```
    Dim inputSwfFile As String = Server.MapPath("SlideShowWithEffects.swf")
    Dim outputVideoFile As String = Path.GetTempPath() & "result.WEBM"
```

```
    ' Create an instance of SWFToVideo ActiveX object
    Dim converter As New SWFToVideo()
```

```
    ' Set debug log
    'converter.SetLogFile("log.txt")
```

```
    ' Register SWFToVideo
    converter.RegistrationName = "demo"
    converter.RegistrationKey = "demo"
```

```
    ' Set input SWF file
    converter.InputSWFFileName = inputSwfFile
```

```
    ' you may calculate output video duration using information about the the source
    ' WARNING #1: this method to calculate the output video duration is not working
    ' and interactive scripts as in these movies it is not possible to calculate the
    ' WARNING #2: you should set the input swf or flv filename (or url) before this
```

```

' So the movie duration is calculated as the following:
' as swf frame count (number of frames in the swf) / movieFPS (frames per second)
' and then multiplied by 1000 (as we are setting the .ConversionTimeout in milliseconds)
' as the following (uncomment if you want to set the length of the output video)
' or as the following source code (uncomment to enable):

' converter.ConversionTimeout = 1000 * (converter.FrameCount / converter.MovieFPS)

' Set output video file
converter.OutputVideoFileName = outputVideoFile

' Set output movie dimensions
converter.OutputWidth = 640
converter.OutputHeight = 480

' Run conversion
converter.RunAndWait()

' release resources
System.Runtime.InteropServices.Marshal.ReleaseComObject(converter)
converter = Nothing

' Show filename of result file

Response.Clear()
Response.ContentType = "text/html"

Response.Write("Output file: <b>" & outputVideoFile & "</b>")

Response.End()

End Sub
End Class

```

README-FIRST-ASP-NET.txt

To use SWF To Video SDK on Web Server you may need to do the following adjustments to the environment:

Confirmed: SDK works on virtual Windows 2003, 2008, 2012 servers with these adjustments:

- 1) Windows Server 2003 or later:
If you are using WMV format then install Windows Media Player from "Desktop Experience" feature pack.
- 2) Update flash player for Internet Explorer to the latest version. To update do the following:
 - run Internet Explorer
 - open adobe.com
 - click on Update Flash Player
 - follow the instruction and install the latest flash player plugin for Internet Explorer

NOTE: on x64 Windows you should run Internet Explorer for x86 (not x64 version)

3) To convert interactive flash movies you should enable "allow interact with desktop"

IMPORTANT: this may cause security breaches so please be careful!

Recommended way:

- create new IIS user
- use it to run web application to convert swf to video only
- set it to x86 mode only
- set it to "allow desktop interaction"

4) For Windows 2008, 2012 or later:

If you are on Windows Server 2008 or higher and you have set "allow desktop interaction"

Windows Server 2008, 2012 no longer allows interactive services, by default, which makes it impossible to run interactive services. <http://social.technet.microsoft.com/Forums/en-US/winserver8gen/thread/6fb5693a-a256-41f1-b161-000000000000>

if you must run an application that installs an interactive service on Windows Server 2008 or later, you must set the "NoInteractiveServices" registry value in "HKLM\SYSTEM\CurrentControlSet\Control\Windows"

After doing so and rebooting, the Interactive Services Detection Service will start.

5) for x64 windows: you should set IIS to run your web application in x86 mode

6) for x64 Windows: you should compile your ASP.NET web application for x86 platform instead of x64

POSSIBLE ISSUES:

1) Flash movie with dynamic XML data shows "Can not load XML data".

Solution: To check this issue try to run Internet Explorer on the server machine and open the flash movie

2) if you suspect the issue is caused by flash movie not properly running you may need to install the Windows Flash Player 11.7 ActiveX control content debugger

Solution: You should download "Windows Flash Player 11.7 ActiveX control content debugger" from <http://www.adobe.com/support/flashplayer/downloads.html>

Install, follow the instruction and try to open that flash movie in Internet Explorer or Firefox

3) If your flash movie is designed to run on machines with sound card then you may expect a "Sound card not found" error

Solution: if you are able to recompile flash movie then add the additional check for sound card

4) If your XML or external is loaded from different domain/subdomain then data can be loaded successfully

Solution: make and upload cross-domain policy domain XML file to the domain(s) with the external XML file

See http://kb2.adobe.com/cps/142/tn_14213.html

<http://www.adobe.com/devnet/adobe-media-server/articles/cross-domain-xml-for-streaming.html>

http://www.adobe.com/devnet/articles/crossdomain_policy_file_spec.html

5) if you are getting 503 error while converting to video then try to increase the default timeout

If you are converting as the response to the click then try to increase the request timeout

```
<location path="somefile.aspx">
<system.web>
<httpRuntime executionTimeout="180"/>
</system.web>
</location>
```

--
Updated June 10, 2015

README-FIRST.txt

Interact with desktop permission may be required to run Screen Capturing SDK or SWF To Video SDK

You may set this "Allow to interact with desktop" checkbox for the user that is used to run the application. For IIS asp.net apps this user name is typically IIS_... user name

Important note for Windows Server 2008 or later

Newest Windows has disabled interactive services

New Windows versions are no longer allowing to run interactive services by default to protect system security.

If you must run a Screen Capturing SDK or SWF To Video SDK from an interactive service, you must enable the interactive services for the service.

HKLM\SYSTEM\CurrentControlSet\Control\Windows
NoInteractiveServices

Then reboot so Windows will pick the new value from the registry and the Interactive Services are enabled.

To make this change manually please do the following

Start the registry editor (regedit.exe) in As Administrator mode

Locate the following Registry key: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Windows

double-click the NoInteractiveServices entry on the right side and change its value from 1 to 0

Then click OK and close the registry editor

Restart the computer

Web.config

```
<?xml version="1.0"?>

<configuration>

  <appSettings/>
  <connectionStrings/>

  <system.web>
    <!--
```

Set compilation debug="true" to insert debugging symbols into the compiled page. Because this affects performance, set this value to true only during development.

```
-->
<compilation debug="true" />
<!--
    The <authentication> section enables configuration
    of the security authentication mode used by
    ASP.NET to identify an incoming user.
-->
<authentication mode="Windows" />
<!--
    The <customErrors> section enables configuration
    of what to do if/when an unhandled error occurs
    during the execution of a request. Specifically,
    it enables developers to configure html error pages
    to be displayed in place of a error stack trace.

    <customErrors mode="RemoteOnly" defaultRedirect="GenericErrorPage.htm">
        <error statusCode="403" redirect="NoAccess.htm" />
        <error statusCode="404" redirect="FileNotFound.htm" />
    </customErrors>
-->
</system.web>
</configuration>
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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