

## general example (c#) in ASP.NET using ByteScout SWF To Video SDK

### general example (c#) in ASP.NET

Today you are going to learn how to general example (c#) in ASP.NET. General example (c#) in ASP.NET can be implemented with ByteScout SWF To Video SDK. 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.

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. In order to implement this functionality, you should copy and paste code below into your app using code editor. Then compile and run your application. Use of ByteScout SWF To Video SDK in ASP.NET is also explained in the documentation included along with the product.

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.

FOR MORE INFORMATION AND FREE TRIAL:

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[visit www.Bytescout.com](http://www.Bytescout.com)

Source Code Files:

## Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="SimpleWebApp.Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<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.cs

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

using System;
using System.Data;
using System.Configuration;
using System.Collections;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Web.UI.HtmlControls;
using System.Drawing;
using System.Diagnostics;
using System.IO;

using BytescoutSWFToVideo;

namespace Simple
{
    /*
    IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:

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

## SOLUTION:

If your IIS Application Pool has "Load User Profile" option enabled the IIS provide

If you are running Web Application under an impersonated account or IIS\_IUSRS group

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

\*/

```
public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        String inputSwfFile = Server.MapPath("SlideShowWithEffects.swf");
        String outputAviFile = Path.GetTempPath() + "result.avi";

        // Create an instance of SWFToVideo ActiveX object
        SWFToVideo converter = new SWFToVideo();

        // Set debug log
        //converter.SetLogFile("log.txt");

        // Register SWFToVideo
        converter.RegistrationName = "demo";
        converter.RegistrationKey = "demo";

        // set input SWF file
        converter.InputSWFFilename = inputSwfFile;

        // set output AVI video filename
        converter.OutputVideoFileName = outputAviFile;

        // Set output movie dimensions
        converter.OutputWidth = 640;
        converter.OutputHeight = 480;

        // Run conversion
        converter.RunAndWait();

        // release resources
        System.Runtime.InteropServices.Marshal.ReleaseComObject(converter);
        converter = null;

        // Show filename of result file

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

        Response.Write("Result video file: <b>" + outputAviFile + "</b>");

        Response.End();
    }
}
```

## Default.aspx.designer.cs

```
//-----  
// <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>  
//-----  
  
namespace Simple  
{  
  
    public partial class _Default  
    {  
        protected System.Web.UI.HtmlControls.HtmlForm form1;  
    }  
}
```

## README-FIRST-ASP-NET.txt

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

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 difficult to run interactive services. For more information, see <http://social.technet.microsoft.com/Forums/en-US/winserver8gen/thread/6fb5693a-a256-4171-b1d1-000000000000>

if you must run an application that installs an interactive service on Windows Server 2008 or later, you must first disable the "NoInteractiveServices" 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 debug the flash movie

Solution: You should download "Windows Flash Player 11.7 ActiveX control content debugger" from Adobe. For more information, see <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 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://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](http://www.adobe.com/devnet/articles/crossdomain_policy_file_spec.html)

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Updated June 11, 2013

README-FIRST.txt

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

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

If you must run a Screen Capturing SDK or SWF To Video SDK from an interactive service

HKLM\SYSTEM\CurrentControlSet\Control\Windows  
NoInteractiveServices

Then reboot so Windows will pick the new value from the registry and the Interactive S

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 0 to 1  
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>
```

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## VIDEO

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

## ON-PREMISE OFFLINE SDK

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