SWF to PNG (c#) in ASP.NET using ByteScout SWF To Video SDK

Tutorial: how to do SWF to PNG (c#) in ASP.NET

The sample source codes on this page will demonstrate you how to make SWF to PNG (c#) in ASP.NET. ByteScout SWF To Video SDK was made to help with SWF to PNG (c#) 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 PNG (c#) in ASP.NET with the help of ByteScout SWF To Video SDK. 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. This basic programming language sample code for ASP.NET will do the whole work for you in implementing SWF to PNG (c#) in your app.

Free trial version of ByteScout SWF To Video SDK is available on our website. Get it to try other samples for ASP.NET.

FOR MORE INFORMATION AND FREE TRIAL:

Download Free Trial SDK (on-premise version)

Read more about ByteScout SWF To Video SDK

Explore API Documentation

Get Free Training for ByteScout SWF To Video SDK

Get Free API key for Web API

visit www.ByteScout.com

Source Code Files:

Default.aspx

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

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

<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

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

using System;
using System.IO;

using BytescoutSWFToVideo;

namespace SwfToPng
{
        public partial class _Default : System.Web.UI.Page
        {

                /*
                IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:

                Temporary folder access is required for web application when you use By
                If you are getting errors related to the access to temporary folder lik

                SOLUTION:

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

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

                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 i
```

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

        */

        protected void Page_Load(object sender, EventArgs e)
        {
                String inputSwfFile = Server.MapPath("Shapes.swf");

                // 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";


                // Enable trasparency - set BEFORE setting SWF filename
                converter.RGBAMode = true;

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


                // Select the frame to extract (20th)
                converter.StartFrame = 20;
                converter.StopFrame = 20;

                // Run conversion.
                // Empty parameter means conversion to binary stream instead o
                converter.ConvertToPNG("");

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


                // Display the extracted image:

                Response.Clear();
                // Add content type header
                Response.ContentType = "image/png";
                // Set the content disposition
                Response.AddHeader("Content-Disposition", "inline;filename=resu

                // Write the image bytes into the Response output stream
                Response.BinaryWrite((byte[]) converter.BinaryImage);

                Response.End();
        }
    }
}
```

Default.aspx.designer.cs

```csharp
//------------------------------------------------------------------------------
// <auto-generated>
//     This code was generated by a tool.
//     Runtime Version:2.0.50727.4927
//
//     Changes to this file may cause incorrect behavior and will be lost if
//     the code is regenerated.
// </auto-generated>
//------------------------------------------------------------------------------

namespace SwfToPng {


    /// <summary>
    /// _Default class.
    /// </summary>
    /// <remarks>
    /// Auto-generated class.
    /// </remarks>
    public partial class _Default {

        /// <summary>
        /// form1 control.
        /// </summary>
        /// <remarks>
        /// Auto-generated field.
        /// To modify move field declaration from designer file to code-behind file.
        /// </remarks>
        protected global::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

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 fo
 - run Internet Explorer
 - open adobe.com
```

```
  - click on Update Flash Player
  - follow the instruction and install the latest flash player plugin for Internet Expl

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 pleaase 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 make
http://social.technet.microsoft.com/Forums/en-US/winserver8gen/thread/6fb5693a-a256-41

if you must run a the application that installs an interactive service on Windows Serv
"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 i


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 o

2) if you suspect the issue is caused by flash movie not properly running you may need
Solution: You should download "Windows Flash Player 11.7 ActiveX control content debugg
http://www.adobe.com/support/flashplayer/downloads.html
Install, follow the instruction and try to open that flash movie in Internet Explorer

3) If your flash movie is designed to run on machines with sound card then you may expe
Solution: if you are able to recompile flash movie then add the additional check for s

4) If your XML or external is loaded from different domain/subdomain then data can be
Solution: make and upload cross-domain policy domain XML file to the domain(s) with the
See
http://kb2.adobe.com/cps/142/tn_14213.html
http://www.adobe.com/devnet/adobe-media-server/articles/cross-domain-xml-for-streaming
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

You may set this "Allow to interact with desktop" checkbox for the user that is used to
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 Se

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\
double-click the NoInteractiveServices entry on the right side and change its value fro
Then click OK and close the registry editor
Restart the computer
```

Web.config

```xml
<?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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