

SWF to WMV with live preview in VB.NET with ByteScout SWF To Video SDK

How to code SWF to WMV with live preview in VB.NET: How-To tutorial

Today we will explain the steps and algorithm of implementing SWF to WMV with live preview and how to make it work in your application. ByteScout SWF To Video SDK was made to help with SWF to WMV with live preview in VB.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.

Fast application programming interfaces of ByteScout SWF To Video SDK for VB.NET plus the instruction and the VB.NET code below will help you quickly learn SWF to WMV with live preview. This VB.NET sample code should be copied and pasted into your application's code editor. Then just compile and run it to see how it works. VB.NET application implementation typically includes multiple stages of the software development so even if the functionality works please test it with your data and the production environment.

Our website provides free trial version of ByteScout SWF To Video SDK. It comes along with all these source code samples with the goal to help you with your VB.NET application implementation.

VB.NET - Form1.Designer.vb

```
Partial Class Form1
    '''
    ''' Required designer variable.
    '''

    Private components As System.ComponentModel.IContainer = Nothing

    '''
    ''' Clean up any resources being used.
    '''

    ''' true if managed resources should be disposed; otherwise, false.
    Protected Overrides Sub Dispose(disposing As Boolean)
        If disposing AndAlso (components IsNot Nothing) Then
            components.Dispose()
        End If
        MyBase.Dispose(disposing)
    End Sub

    #Region "Windows Form Designer generated code"
```

```

'''
''' Required method for Designer support - do not modify
''' the contents of this method with the code editor.
'''

Private Sub InitializeComponent()
Me.buttonConvert = New System.Windows.Forms.Button
Me.pictureBox1 = New System.Windows.Forms.PictureBox
Me.label1 = New System.Windows.Forms.Label
CType(Me.pictureBox1, System.ComponentModel.ISupportInitialize).BeginInit()
Me.SuspendLayout()
'
'buttonConvert
'
Me.buttonConvert.Anchor = CType(((System.Windows.Forms.AnchorStyles.Bottom Or
System.Windows.Forms.AnchorStyles.Left) _
Or System.Windows.Forms.AnchorStyles.Right),
System.Windows.Forms.AnchorStyles)
Me.buttonConvert.Location = New System.Drawing.Point(18, 227)
Me.buttonConvert.Name = "buttonConvert"
Me.buttonConvert.Size = New System.Drawing.Size(254, 23)
Me.buttonConvert.TabIndex = 0
Me.buttonConvert.Text = "Convert test.swf with conversion preview"
Me.buttonConvert.UseVisualStyleBackColor = True
'
'pictureBox1
'
Me.pictureBox1.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or
System.Windows.Forms.AnchorStyles.Bottom) _
Or System.Windows.Forms.AnchorStyles.Left) _
Or System.Windows.Forms.AnchorStyles.Right),
System.Windows.Forms.AnchorStyles)
Me.pictureBox1.Location = New System.Drawing.Point(18, 31)
Me.pictureBox1.Name = "pictureBox1"
Me.pictureBox1.Size = New System.Drawing.Size(254, 180)
Me.pictureBox1.TabIndex = 1
Me.pictureBox1.TabStop = False
'
'label1
'
Me.label1.AutoSize = True
Me.label1.Font = New System.Drawing.Font("Microsoft Sans Serif", 8.25!,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, CType(204, Byte))
Me.label1.Location = New System.Drawing.Point(15, 9)
Me.label1.Name = "label1"
Me.label1.Size = New System.Drawing.Size(122, 13)
Me.label1.TabIndex = 2
Me.label1.Text = "Conversion preview:"
'
'Form1
'
Me.AutoScaleDimensions = New System.Drawing.SizeF(6.0!, 13.0!)
Me.AutoScaleMode = System.Windows.Forms.AutoScaleModeMode.Font
Me.ClientSize = New System.Drawing.Size(284, 262)
Me.Controls.Add(Me.label1)
Me.Controls.Add(Me.pictureBox1)
Me.Controls.Add(Me.buttonConvert)
Me.Name = "Form1"

```

```

Me.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen
Me.Text = "Form1"
CType(Me.pictureBox1, System.ComponentModel.ISupportInitialize).EndInit()
Me.ResumeLayout(False)
Me.PerformLayout()

End Sub

#End Region

Private WithEvents buttonConvert As System.Windows.Forms.Button
Private pictureBox1 As System.Windows.Forms.PictureBox
Private label1 As System.Windows.Forms.Label
End Class

```

VB.NET - Form1.vb

```

Imports System.Drawing
Imports System.Windows.Forms
Imports BytescoutSWFToVideo

Public Partial Class Form1
    Inherits Form
    Private m_g As Graphics
    Private m_hdc As IntPtr
    Private swf As New SWFToVideoClass()

    Public Sub New()
        InitializeComponent()
    End Sub

    Private Sub buttonConvert_Click(ByVal sender As Object, ByVal e As EventArgs)
Handles buttonConvert.Click
        If Not swf.IsRunning Then
            swf.SWFConversionMode = SWFConversionModeType.SWFWithLiveData
            swf.ConversionTimeout = 15000

            swf.InputSWFFileName = "test.swf"
            swf.OutputVideoFileName = "test.wmv"
            swf.OutputWidth = 640
            swf.OutputHeight = 480

            swf.SetPreviewContext(m_hdc.ToInt32(), 0, 0, pictureBox1.Width,
pictureBox1.Height, 30)
            swf.Run()
        End If
    End Sub

    Private Sub Form1_Shown(ByVal sender As Object, ByVal e As EventArgs) Handles

```

```

MyBase.Shown
    m_g = pictureBox1.CreateGraphics()
    m_hdc = m_g.GetHdc()
End Sub

Private Sub Form1_FormClosed(ByVal sender As Object, ByVal e As
FormClosedEventArgs) Handles MyBase.FormClosed
    m_g.ReleaseHdc(m_hdc)
    m_g.Dispose()

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

End Sub
End Class

```

VB.NET - Program.vb

```

' x64 IMPORTANT NOTE: set CPU to x86 to build in x86 mode. WHY? Because flash is not
supported on x64 platform currently at all
Imports System.Collections.Generic
Imports System.Windows.Forms

NotInheritable Class Program
    Private Sub New()
    End Sub
    '''
    ''' The main entry point for the application.
    '''
    Friend Shared Sub Main()
        Application.EnableVisualStyles()
        Application.SetCompatibleTextRenderingDefault(False)
        Application.Run(New Form1())
    End Sub
End Class

```

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