

Image Components for Silverlight

Installation Guide

Contents

Introduction	
Features Include	3
Requirements	3
Installation	4
Image Manager Web Service configuration	5
Licensing	7
Purchase Options	8
Deployment	8
Troubleshoot	9
Running the Demo Projects	

Introduction

Image Components for Silverlight, is a comprehensive Silverlight Imaging SDK.

It allows users to read and edit the most common image file types, and convert between them. Using all the functionality of the already known Image Components Win32 components, this SDK is designed for helping developers of Rich Internet Applications (RIA), implementing Imaging applications quickly and **affordable**.

Easily add document and image viewing and editing to your Silverlight applications with Silverlight controls included in the Image Components Silverlight package.

Features Include

- View and Edit the most common image file types.
- View PDF documents.
- Open and save documents locally or in server side.
- Image page navigation.
- Image rotation and mirror.
- Zoom percentage or selectable zoom zone.
- Undo and Redo.
- Image management with append, insert, delete and move pages.
- Manual or automating cropping and clear image zones.
- Deskew, resize and border removal.
- Many image filters (Invert, grayscale, median, black and white...)
- Many enhancements (Smooth, sharpen, brightness, color, Contrast...)
- Edge detections.

Image Components for Silverlight is in constant development, other features included in the Win32 components will be available, like OCR, barcode creation and recognition, scan for version 4 of Silverlight, and thumbnail viewing.

Requirements

- Windows Vista or higher, 32 bit or 64 bit architecture.
- IIS Metabase Compatibility (Required by the installation package).
- Visual Studio 2010 and above and the Silverlight 5 SDK for integration.
- The Microsoft Silverlight 5 Toolkit for the demo projects.
- Silverlight 5.0 browser plug-in.
- Some experience in WCF deployment and Silverlight development.

Installation

Requirements before running the SDK installation wizard:

- Enable the IIS Metabase and IIS 6 configuration compatibility:



Image Components for Silverlight SDK installation wizard:







👹 Image Components Silverlight Demo

Installing Image Components SDK

Installation Complete

* - IIS Site, virtual directory and application pool selection.

It is not required, but advised to create and select a specific application pool.

Image Manager Web Service configuration

After the wizard completion, is advised to test the duplex WCF image manager service, checking if the installation is correct and also to obtain the URL address for the configuration of the Silverlight ImgEdit component.

Browsing the Image Manager Web Service:

- Open the Internet Information Services (IIS).
- Expand the 'Default Web Site'.
- Select the 'ImageComponents.WS.Imaging' virtual directory (Installation default).
- Click on the 'Content View' button.



- Right click in the 'ImageManagerService.svc' file and in the context menu press 'Browse'.



If a similar page appears in your browser, the installation was completed with success and WCF is configured correctly. If not, check the troubleshoot page. Copy the URL address and save it for later use.

Making a Service Available Across Domain Boundaries

To enable a Silverlight control to access a service in another domain, the service requires a ClientAccessPolicy.xml file. There is an example file available with the installation, in the same directory of the WCF service. This file is ready to use. Change the configuration to your needs, the default is to allow all access.

This file must be placed in the root of the web site, not on the service directory. You must copy the file to the 'Default Web Site' folder (Ex: C:\inetpub\wwwroot \).

MSDN information: http://msdn.microsoft.com/en-us/library/cc197955(VS.95).aspx

Setting up the Web.config file

There are some configurations that must be made to the web.config file, in order to have access to specific functionalities.

- Open the Web.config file.

-
<appsettings></appsettings>
Ex: C:\MyImageFiles\
<pre><add key="ServerFolderFiles" value=""></add></pre>
Ex: C:\OCRLanguages\
<pre><add key="0CRLanguagesPath" value=""></add></pre>
Ex: C:\MyLogPath\
<pre><add key="ErrorLogPath" value=""></add></pre>
Ex: 5 Value in seconds
<pre><add key="ClientStayAlivePing" value="30"></add></pre>

There are 4 keys in the <appSettings> node that should be configured:

- ServerFolderFiles.
- OCRLanguagesPath.
- ErrorLogPath.
- ClientStayAlivePing.

ServerFolderFiles:

Folder containing server side images or PDF files. The ImgEdit component can read and save server side documents.

ErrorLogPath:

If this key is set, all service logs will be written in a file this folder. The log file has a default name of 'ImageComponents.WS.Imaging.ImageManagerService.log'.

ClientStayAlivePing:

Being the 'ImageManagerService' a duplex service, it is in permanent connection to the client (ImgEdit Component). You can configure the ping interval in seconds.

Read and write permissions must be given to the folders.

Licensing

The Image Components for Silverlight installation includes a License Manager application. This manager allow you to check what components are licensed or not, and your developer machine key code.

Before starting using the components, you must start the license server. This option is available to not have to restart the OS after installation.

- On the Task Bar press the Start button/All Programs/Image Components/Licensing/License Manager.

Ŷ Image Components License Manager X	♀ Image Components License Manager ×			
Win32 Silverlight WPF ASP.NET	Image component SDK: Image Server Status: Running Win32 Silverlight WPF ASP.NET			
SLimgBart - Silverlight Image editor component -SLimgBart - Silverlight Image annotations component -SLimgBarDecoder - Silverlight Image barcode reader component -SLimgBarCoder - Silverlight Image barcode encoder component -SLimgBarCoder - Silverlight Image barcode encoder component -SLimgBarCoder - Silverlight Image barcode encoder component				
○ Win32 ○ WPF ○ ASP.NET Forms ● ASP.NET MVC ○ Registered ③ UnRegistered Get license file For registration of the components please send us the code below: Code: Stat Server				
License Server Before Start License Server Started				
<i>Key Code:</i> For registration, purchase and deploy purposes. It is important that you safe keep your code.				
Activate:				

After purchasing your will receive a confirmation. With an internet connection present, you just need to activate your components.

Get license file link: -

Allow you to specify a folder, saving the license file to include and **deploy** your Silverlight project.

The license file must be included as 'Content' in the **main** Silverlight project:



Purchase Options

Components can be ordered over the Internet. Once you have purchased the product by completing the online order form, the full activation will be enabled on-line. You can order the fully functional version of the **Components** over the Internet using any major credit card. The ordering page is located on a secure server, ensuring that your personal information remains confidential. As soon as your order is processed, we'll provide you the online activation process. We will require your key code, to proceed with the product activation. The Components are licensed by developer, so they can be **freely** distributed with your applications.

Purchase steps:

- Download and install the latest version of the components.
- Try the components as long as you like.
- Send us the key code(s) of the developer(s) machine(s), with the information of your company (Name and e-mail).
- Purchase, completing the online order.
- Send us the purchase information.
- A confirmation mail will be sent to you.
- Activate your components pressing the 'Activate' button in the License Manager application.

Deployment

The Image Manager WCF Service and the License Manager tool must be included in the deployment of your application. For the ease of installation, there is a package ready to use. In the Image Components installation path there is a folder named 'Deployment'.

Ex: C:\Program Files (x86)\Image Components\Deployment\SL\ (Installation default path). The 'Deployment' folder contains the 'IC.SL.Imaging.msi' file.

The installation files are also available on-line:

http://www.imagecomponents.net/Downloads/Index/-1

- Silverlight WCF Imaging Service for X86
- Silverlight WCF Imaging Service for X64

This package will install the required files in your production machines.

Your distribution must also be registered, using the following method:

You must use your Image Components account in order to manage your licenses and registrations. We also provide a tool to register your server's deployments.



Press the 'Servers' link to manage the deployment's registrations.

	License Key:	05F7-0FA4-6758-3CD8-64C4-46E6-A039-B69D		Registration
	Total Licenses:	1		
	Purchased Date:	30-06-2016		Server License Keys
	Support Subscription:	30-06-2017 🖌		
	License Status:	License valid. 🗸		Server Key-Code*
				Enter the machine key code
				Developer Name*
				Image Components
	AB			Developer E-Mail*
				info@imagecomponents.com
				Description
	Key: USF7-0FA4-6758-3C08-64C4-46	Eb-AU39-BBBU		Enter a license description
				New Insert Delete Cancel
- Sele	ct your puro	chased developer key.		
- Pres	s the New F	Registration button		
1105				Buddenlag
	i image co	Simponents License Status		Program and a
	Image compo	onent SDK:		Server License Keys
	Y Sen	ver Status: Running		· · · ·
	🦉 Registered 🛛 😣 U	InRegistered Load license file	╺╾╇╾╸	Server Key-Code"
	For registration of the co	mponents please send us the code below:	·	2000-2000-2000-2000-2000-2000-2000 ×
	EB46-BF	F04-E660-111F-0436-8F09-0868-E18B		Developer Name*
		Close		image components
		0000		Developer t-Mail info@imagecomponents.com
				Description
				Enter a license description
				Invert Delete Carcel
S	erver licens	e manager application.		
C + +	بالممام مامه		ممير مسالمحا م	
- Start	t the deploy	ved server license mana	ger application	n.
- Copy	/ the key co	de from the license mai	nager applicat	ion to the server key-code text box.
- Pres	s the Insert	button	- ••	-
Color				
- Sele	ct and dowi	nioad the new inserted	server key-coo	je.
- Load	the downl	oaded license file using	the license ma	anager application.

- Restart your IIS server.

Troubleshoot

Ensure That IIS and WCF Are Correctly Installed and Registered: MSDN: <u>http://msdn.microsoft.com/en-us/library/aa751792.aspx</u>

Configuring IIS for Silverlight Applications: <u>http://learn.iis.net/page.aspx/262/configuring-iis-for-silverlight-applications/</u>

Could not load file or assembly 'ImageComponents.FIEngine.DLL' or one of its dependencies. The specified module could not be found.

Ensure that Microsoft Visual C++ 2010 or higher Redistributable Package (X86 or x64) is installed on your server: <u>https://www.microsoft.com/en-pk/download/details.aspx?id=5555</u> <u>https://www.microsoft.com/en-US/Download/confirmation.aspx?id=14632</u>

An attempt was made to load a program with an incorrect format:

\leftarrow \rightarrow \circlearrowright \bigcirc localhost//C.Web.Imaging/ImageManagerService.svc \square \bigstar \bigstar \bigstar $𝔅$	Advanced Settings	? ×
	∧ (General)	^
Sorver Error in VIC Web Imaging' Application	.NET CLR Version	v4.0
Server Error in /IC. web.imaging Application.	Enable 32-Bit Applications	False
	Maged Pipeline Mode	Integrated
Could not load file or assembly 'ImageComponents Barcodes' or one of its	/ ame	IC ASP.NET 4.0
dependencies. An attempt was made to load a program with an incorrect format	Queue Length	1000
dependencies. An attempt was made to load a program with an incorrect format.	Start Mode	OnDemand
Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about	Y CPU	
the error and where it originated in the code.	Limit (percent)	0
Exception Details: System.BadImageFormatException: Could not load file or assembly 'ImageComponents.Barcodes' or one of its dependencies. An	Limit Action	NoAction
attempt was made to load a program with an incorrect format.	Limit Interval (minutes)	5
Source Error:	Processor Affinity Enabled	False
	Processor Affinity Mask	4294967295
An unhancied exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.	Name [name] The application pool na the application pool.	ame is the unique identifier for
		OK Cancel

Make sure that the application pool "Enable 32-bit Applications" setting running the service is correctly set to the WCF assembly's compilation platform.

Running the Demo Projects

After a successful installation run the demo project test page.

Go to the start menu/All Programs/Image Components/Silverlight/Version3 or version4 depending of the installation package, and click in the 'TestPage' Shortcut.



. Σ
:
ImageComponents
Cancel OK

Image Manager Web Service Configuration

Paste the URL of the previous installed image manager web service into the text box dialog and press the 'OK' button.

The demo application should be ready to use.

<i> [mageCompone]</i>	nts.SL.ImageEditor 🛛 🖓 🔻 🔝 👻 🖶 🔻 Pági	na 🔻	Segurança 🔻 Feri	ramentas 🔻 🔞 👻
File View Edit	Filters Enhance Edge Settings Help			
			Image Properties	
			BitsPerSample	1
Open Local	CONTRATO DE CONSEJERO		Height	3508
Open Remote	629		PageNumber	5
	Contenting SDD A4 Contenting SDD A4 50/089 Automatica		SamplesPerPixel	0
Save Image	(an in expended COMMANY)		Width	2479
-0	· , , , , , , , , , , , , , , , , , , ,		XResolution	300
Close Image	Dr. typer Jacomstol Addressive TVT y homesoness. See your		YResolution	300
File	on to siguine to "S2N6E.FRQ"	1		
	Essen del sectorita: El CONTELETO especiente de printe las constituentes en centre Essente, de su si- tuente encontrativa el centre relativa informanza entre del tratación de benera anti-su antimá		Turner Materiate	
Zoom In	 disparatio a prome a disparation di la (2017/MET) o un las assertadas estas nationes conconnentes esti cano kas emples a que respuer y las relaciones personales que teres cauno restationa del Granego Germulario del Diotentino Ecuadariano y de Tou- 		Artist	
A.	Environiti e la laces de contrata, las partes contratantes contantes en austria		DateTimeDigitized	01 01 0001
Zoom Out	el preserva converso		DateTimeLastModi	01-01-0001
Zoom	 Peelición Con el sere de sete contest, el CONBEJERO será mientivo del Consejo Consejo Consejo El se sucretere. 		DateTimeOriginal	01-01-0001
	El Consejo Consultor y casta una de sua miembros ejecceran eu tunción en conformidad con las leyes del país Ecuador.		DocumentName	01-01-0001
Z Rotato Right	~~ Z		EquipmentMaker	
ROTATE RIGHT			equipmentinaker	
Connected	Page 6 of 7			

Demo Silverlight Application

In the installation package there are also Visual Studio 2010, 2012 and 2013 projects in visual basic and C# language. The demo license will not end at a certain time. Just try as long as you like.