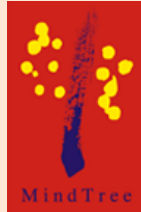


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Wictor Wilén
SharePoint Server MVP
Connecta AB, Sweden
<http://www.wictorwilen.se>

SHAREPOINT AND SILVERLIGHT NEW BFF'S



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WHO AM I?

- Wictor Wilén
- SharePoint Server MVP, Author, Architect
- Connecta AB, Sweden
- Been in the game since "Tahoe" (SharePoint 2001)



Microsoft
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Trainer

Microsoft
CERTIFIED
Technology Specialist

Microsoft
CERTIFIED
Professional

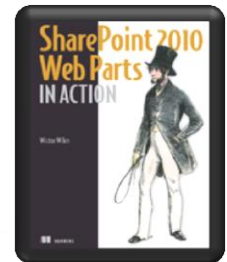
Microsoft
CERTIFIED
Professional Developer

SharePoint 2010, Configuration
SharePoint 2010, Application Development
Microsoft Windows SharePoint Services 3.0, Configuration
Microsoft Windows SharePoint Services 3.0, Application Development
Microsoft Office SharePoint Server 2007, Configuration
Microsoft Office SharePoint Server 2007, Application Development

SharePoint Developer 2010

Microsoft
CERTIFIED
IT Professional

SharePoint Administrator 2010



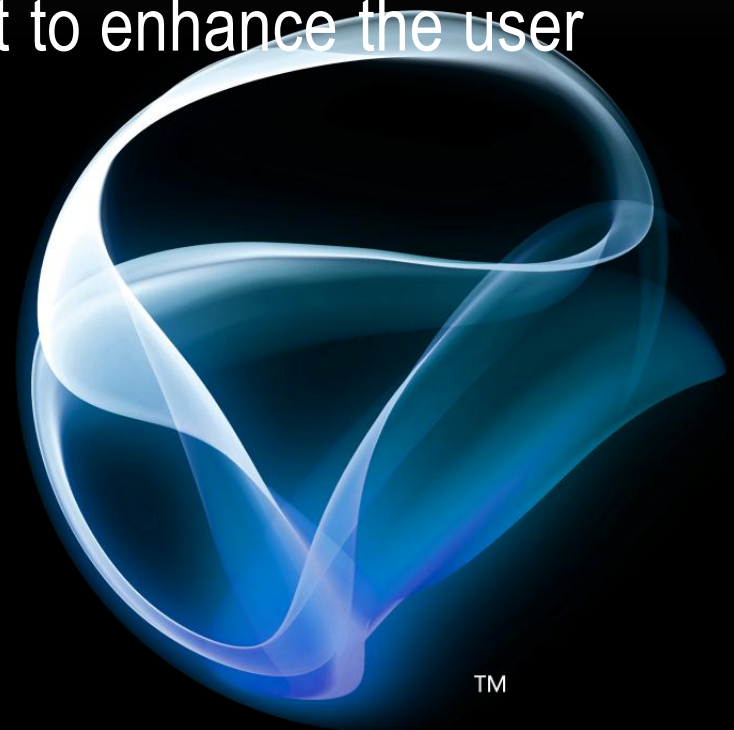
<http://www.connecta.se/> | <http://www.wictorwilen.se/> |
<http://twitter.com/wictor> | <http://www.sharepointwebpartsinaction.com>

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THIS SESSION

- Introduce you to Silverlight usage in SharePoint
- How and when to use Silverlight to enhance the user experience



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AGENDA

- What is Silverlight?
- Why Silverlight in SharePoint?
- Silverlight OOB in SharePoint
- Silverlight development
- Silverlight Web Part
- Custom Silverlight Apps in SharePoint

SharePoint and Silverlight – new BFF's

WHAT IS SILVERLIGHT?

A silhouette of a city skyline with several skyscrapers of varying heights, set against a dark background.

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WHAT IS SILVERLIGHT?

- Web application framework by Microsoft
- Software + Services
- Based on .NET
- Currently version 4.0
 - Version 1.0 2007
- Works on Windows: IE, Fx, Safari and Chrome
- Works on Mac OS: Fx, Safari (Chrome)
- Works on Linux: Moonlight (Mono)

SILVERLIGHT KEY FEATURES

- .NET Framework on the client
- Rich media experience
 - Streaming, hardware accelerated H.264
- Out-of-browser experience
- Drag and drop
- Local storage
- Data access (REST, WCF, web services...)



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WHY SILVERLIGHT IN SHAREPOINT?

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WHY SILVERLIGHT IN SHAREPOINT?

- Why not!
- SharePoint and Silverlight are key components in the Microsoft world! (Windows Phone 7!)
- "Light up" web sites and intranets
- Streaming media
- Rich applications
- Native support in SharePoint
- Office 365 (aka BPOS/SharePoint Online)
- 2007: manually add JS, registering assemblies

SharePoint and Silverlight – new BFF's

SILVERLIGHT OUT-OF-THE-BOX IN SHAREPOINT

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OOB SILVERLIGHT IN SHAREPOINT

- Silverlight Web Part
 - SharePoint Foundation
- Media Web Part
 - SharePoint Server
- Other
 - Decomposition tree – PerformancePoint Services
 - Office Web Apps Viewers (Word, Visio...)
 - New site/list page
 - Organisation view (My Site)

Demo

OOB SILVERLIGHT EXPERIENCE



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SILVERLIGHT DEVELOPMENT AND SILVERLIGHT WEB PART



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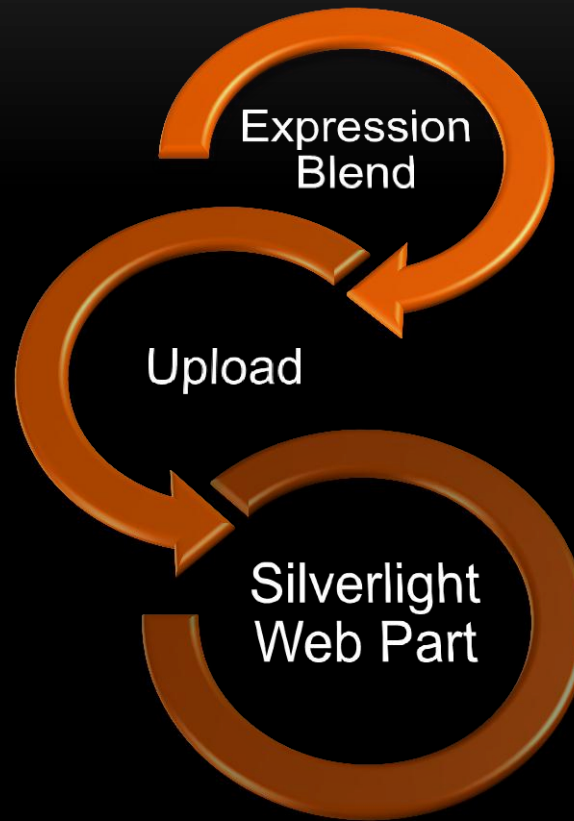
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TOOLS

- Visual Studio 2010
- Silverlight 4.0 SDK

- Visual Studio 2010 SharePoint Developer Tools
 - Extension: SharePoint Power Tools
- Microsoft Expression Blend 4
 - Expression Encoder
 - Sketchflow

BUILDING SILVERLIGHT APPS



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Demo

CUSTOM SILVERLIGHT APP

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CUSTOM SHAREPOINT SILVERLIGHT APPLICATIONS



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TALKING TO SHAREPOINT

- Web Services
 - Plain ol' 2007:ish web services
- REST Services
 - `/_vti_bin/ListData.svc`
 - `/_vti_bin/ExcelRest.aspx`

TALKING TO SHAREPOINT CONT.

- Client Object Model
 - Subset of the SharePoint API
 - Commands sent/executed in batches
 - .NET, JavaScript and Silverlight implementations
- 14\TEMPLATE\LAYOUTS\ClientBin
 - Microsoft.SharePoint.Client.Silverlight.dll
 - Microsoft.SharePoint.Client.Silverlight.Runtime.dll
- Asynchronous

DEPLOYMENT LOCATION

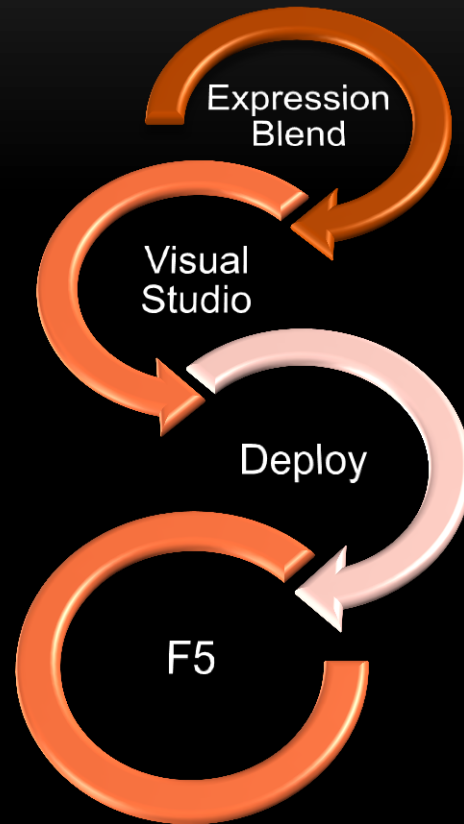
- Document Library
 - Site Collection specific
 - Allows end-users to upload
 - Permissions
- Module
 - Site Collection specific
 - Hidden from users
- ClientBin
 - Available to all Site Collections
 - Requires access to server (Farm solution)
- Remote location

SILVERLIGHT HOSTING OPTIONS

- Silverlight Web Part
- Custom Web Part

```
<object data='data:application/x-silverlight-2'  
  type='application/x-silverlight-2'>  
  <param name='source'  
    value='_layouts/ClientBin/MyApp.xap' />"  
  <param name='initParams'  
    value='MS.SP.url=http://server/sites/site' />  
</object>
```

SHOW ME VISUAL STUDIO!!!



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Demo

CUSTOM SILVERLIGHT WEB PART
WITH CLIENT OBJECT MODEL AND
REST



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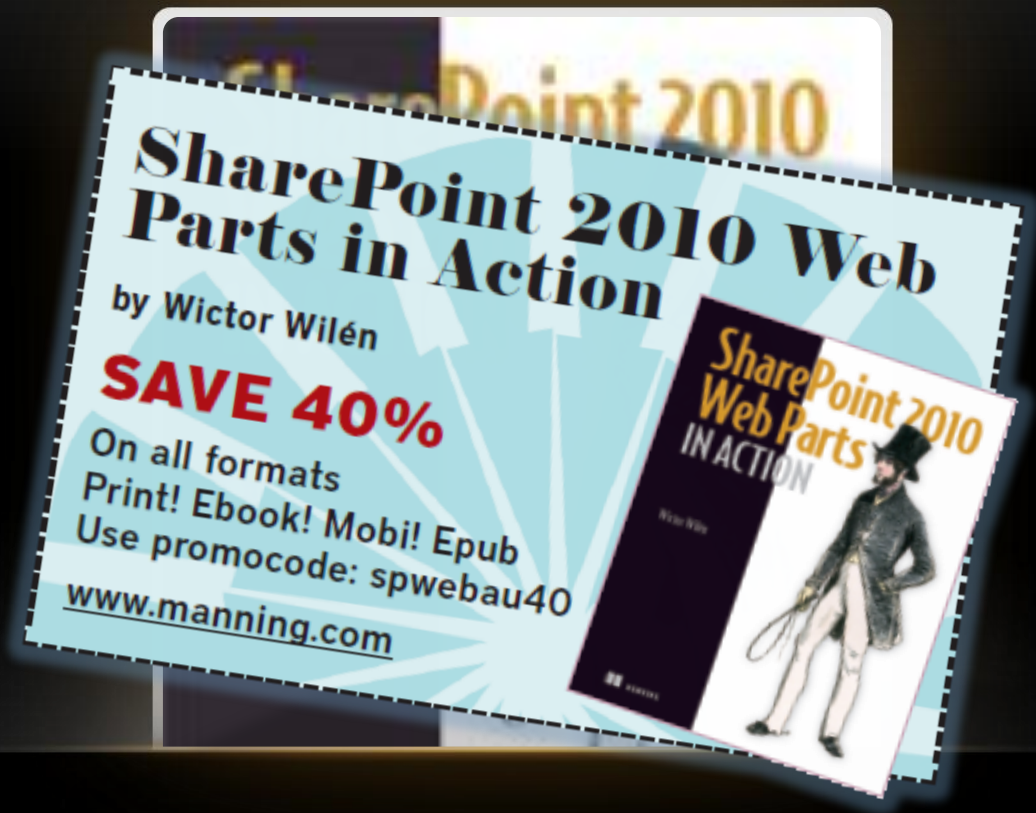
Thank You!

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wictor@wictorwilen.se



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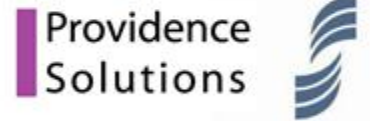
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