

# **Silverlight in business**

**Creating line of business applications using  
Silverlight**

# Questions

- **What is Silverlight?**
- **What should I know about Silverlight?**
- **What is in the box?**
- **What are the available tools?**
- **When should I use Silverlight?**
- **What to expect from Silverlight in future?**



# What is Silverlight?

- **Silverlight is a cross-browser, cross-platform and cross-device browser plug-in that helps companies design, develop and deliver applications and experiences on the Web. With its free download that installs in seconds, Silverlight enables a new class of rich, secure and scalable cross-platform experiences.**



## What should I know about Silverlight?

- **It's free. Silverlight .NET CLR (4.7 MB) on the client side**
- **Executes inside the browser. Supports out of browser capabilities**
- **Supported browsers - IE, Firefox, Safari and Chrome (kind of...)**
- **Supported operating systems – Windows XP SP2, Vista, Mac OS 10.4.8 and above and Linux(Moonlight)**



# What **MORE** should I know about Silverlight?

- .Net experience - development in **C#** and **Visual Basic.NET**. **IronRuby** and **IronPython** on top of **Dynamic Language Runtime**
- **Design for designers; development for developers** - UI description using **XAML** (**eXtensible Application Markup Language**)
- **Subset of WPF** (**Windows Presentation Foundation**)
- **Easy integration in HTML and ASP.NET**
- **Easy communication with the browser using the DOM**
- **Integrated support of web services, XML and JSON**
- **All referenced libraries must be compiled against Silverlight CLR**



# What is in the box?

- **Support for Higher Quality Video & Audio**

With support for native H.264/Advanced Audio Coding (AAC) Audio, live and on-demand H.264 Smooth Streaming, full HD (720p+) playback, and an extensible decoder pipeline, Silverlight 3 brings rich, full-screen, stutter-free media experiences to the desktop

- **Empowering Richer Experiences**

Silverlight 3 contains new 3D graphics, animation features, hardware accelerated effects and text improvements that enable designers and developers to create next generation Web visuals

- **Improving Rich Internet Application Productivity**

Silverlight 3 is packed with over 60 high-quality controls such as charting and media

- **Out of Browser Capability**

Silverlight 3 offers a new set of features for building light-weight, sandboxed companion experiences for the Web that run on the desktop. It enables the application to be placed in a restricted store on the user's machine; and then provide a link directly to it from the user's desktop or start menu. In addition, it can test if the network is connected, it can update itself, and can also have access to Isolated Storage



# Higher Quality Video & Audio

- **Live and on-demand true HD (720p+) Smooth Streaming**
- **More format choice**
- **True HD playback in full-screen**
- **Extensible media format support**
- **Industry leading content protection**



# Empowering Richer Experiences

- **Perspective 3D Graphics**
- **Hardware acceleration**
- **Pixel Shader effects**
- **Bitmap Caching**
- **Bitmap API**
- **Themed application support**
- **Animation Effects**
- **Enhanced control skinning**
- **Improved text rendering & font support**



# Improving Productivity

- **60+ controls with source code**
- **Deep Linking**
- **Enhanced Data Support**
  - Element to Element binding
  - Data Forms
  - New features for data validation
  - Support for business objects
- **Improved performance**
  - Application library caching
  - Enhanced Deep Zoom features
  - Binary XML
  - Local Connection



# Out of Browser Capability

- **Desktop shortcuts and start menu support**
- **Run outside of browser**
- **Safer, more secure, sandboxed**
- **Consumer friendly non-administrator install**
- **Built in auto-update**
- **Connectivity detection (in browser, out of browser)**



# Silverlight Tools for Developers

- **Silverlight Tools for Visual Studio / Silverlight 3 SDK**
- **Silverlight Toolkit**

This Toolkit is a Microsoft project containing Silverlight controls, components and utilities. It includes full source code and samples
- **.NET RIA Services**

Microsoft .NET RIA Services simplifies the traditional n-tier application pattern by bringing together the ASP.NET and Silverlight platforms.
- **Visual Studio 2008/2010; Express editions are also supported**



# Silverlight Tools for Designers

- **Silverlight Tools for Visual Studio / Silverlight 3 SDK**
- **Silverlight Toolkit**
- **Expression Blend 3 + SketchFlow Trial**
  - Expression Blend 3 + Sketchflow trial allows designers to graphically create UI's for Silverlight 3 applications. Visual Studio 2008/2010. Express editions are also supported
- **Deep Zoom Composer**
  - This tool allows you to prepare your images for use with the Deep Zoom feature in Silverlight 3
- **Expression Design**
  - This is a professional design tool for creating graphics content
- **Expression Encoder 3**
  - prepare video for use in a variety of ways, including Silverlight



# When to use Silverlight?

- Use on sites which need rich user experience
- Deliver Media (Streaming Audio, Video)
- Use for applications that need the power of managed code
- If you are a company with staff experienced in .NET Framework
- Easier support of desktop and web versions of a single product
- Reuse of existing code base

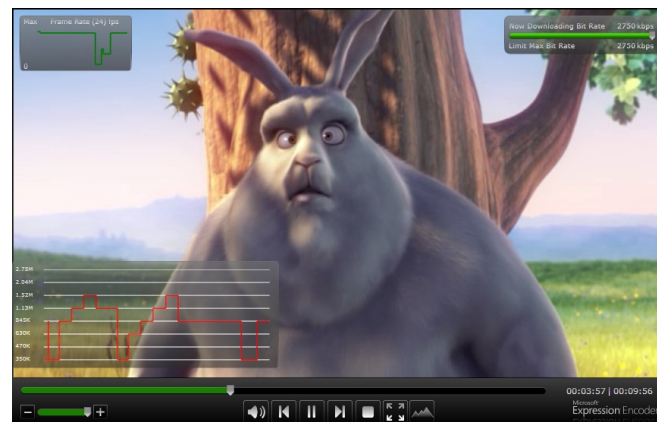
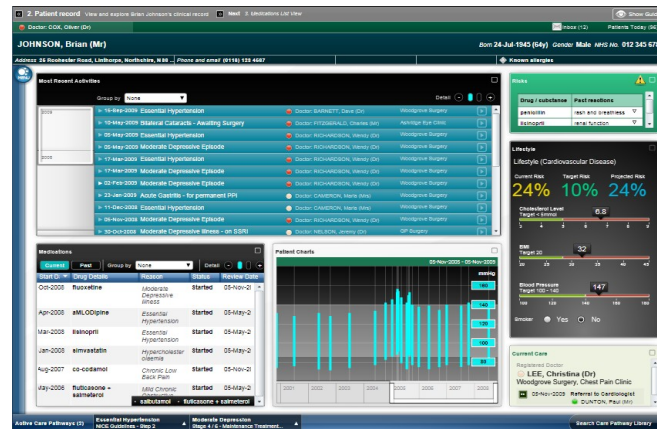
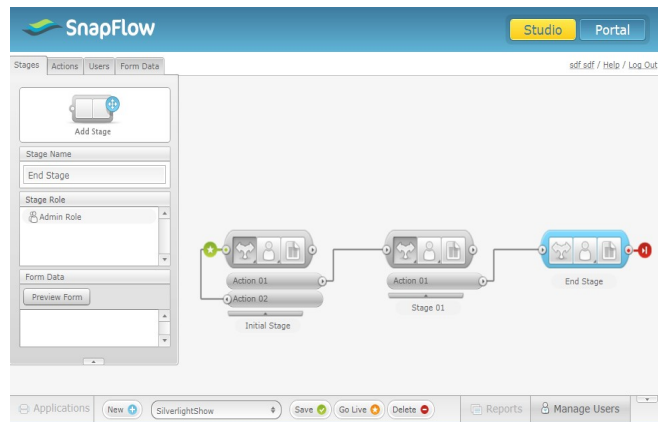


# What to expect

- **Plans for Mic and Camera support**
- **Printing**
- **Growing install base**
- **Constant improvement of the development flow and tools**
- **More components by the leading component vendors — Telerik, ComponentOne, DevExpress etc.**



# Samples



# Resources

- **Official Silverlight Site – videos, tutorials, forums**  
<http://www.silverlight.net>  
<http://www.microsoft.com/silverlight/default.aspx>
- **SilverlightShow – articles, tips, samples, jobs and more**  
<http://www.silverlightshow.net>
- **Scott Guthrie**  
<http://weblogs.asp.net/scottgu>
- **Jesse Liberty**  
<http://silverlight.net/blogs/jesseliberty>



**Thank you for your attention!**

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