

Introduction

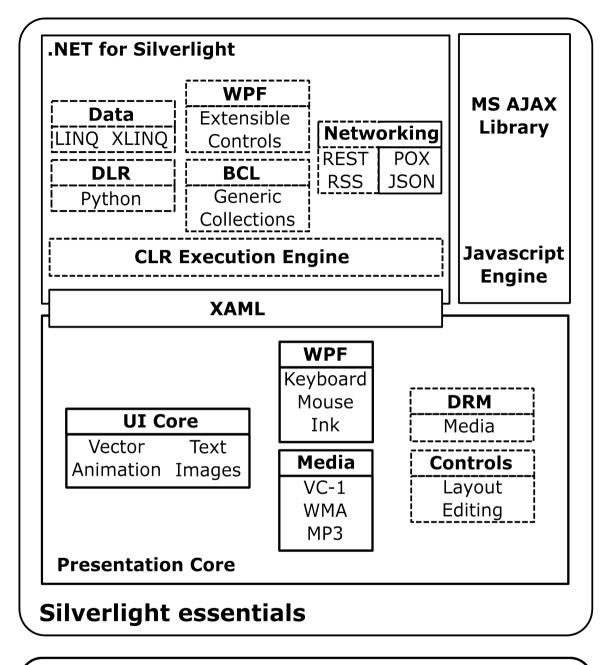
- a.k.a WPF/E ('E' stands for "Everywhere")
- a proprietary web presentation technology developed by Microsoft
- designed to run on several platforms and browsers
 - Windows, Mac OS X, (Linux support work in progress in a separate project)
- two versions at the moment: 1.0 for JavaScript developers and 1.1 alpha includes support for .NET development
- a browser plugin that enables running of Silverlight applications

Overview

- Silverlight consists of
 - NET for Silverlight
 - presentation core
 - browser plugin
- .NET for Silverlight includes relevant parts of .NET regarding web publishing
- Presentation core renders XAML DOM to the screen
- Plugin takes care of adapting Silverlight to different platforms and browsers

Overview (cont'd)

- Languages
 - Javascript (primary language)
 - .NET languages
 - Ruby
 - Python
 - more to come?
- Media codecs included
 - MP3
 - WMA, WMV
 - VC-1 (WMV 9 etc.)



Legend

Only Silverlight 1.1

Also Silverlight 1.0

AJAX - Asynchronous JavaScript and XML

BCL - Base Class Library

CLR - Common Language Runtime

DLR - Dynamic Language Runtime

DOM - Document Object Model

DRM - Digital Rights Management

JSON - JavaScript Object Notation

LINQ - Language Integrated Query

MP3 - MPEG-1 Audio Layer 3

MPEG - Moving Picture Experts Group

MS - Microsoft

POX - Plain Old XML

REST - REpresentational State Transfer

RSS - Really Simple Syndication (2.0)

UI - User Interface

VC-1 - Video Codec 1

WMA - Windows Media Audio

WPF - Windows Presentation Foundation

XAML - eXtensible Application Markup Language

XLINO - LINO to XML

Browser Host

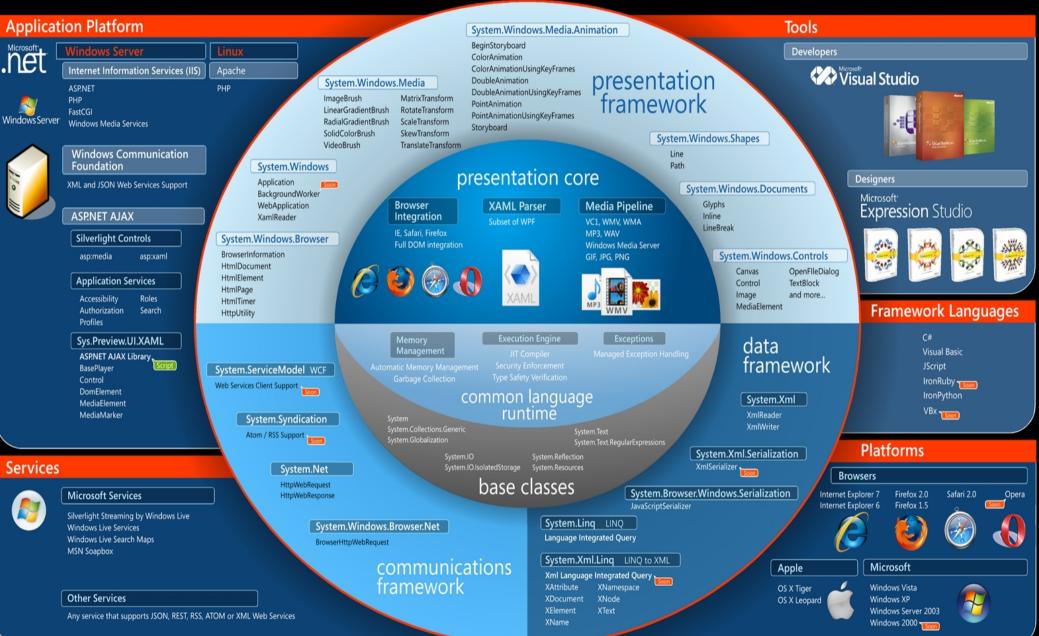
Integrated DOM
Networking Integration
Stack

Application Services

Installer



Microsoft® Silverlight™ 1.1 Developer Reference



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XAML

- eXtensible Application Markup Language
- similarities with SVG
 - wasn't used because Microsoft was committed to XAML through .NET (consistency between .NET and Silverlight's .NET)
- used to markup UI components
- 1.1 includes basic components from .NET, more to come in future versions of Silverlight

Technology demos

- Halo Game Guide
 - Tutorial of Halo 3 video game with embedded video, nice buttons
- Break.com
 - Video player with advanced controls
 - Spatial search
- Inkable Search Tip
 - Handwriting recognition with Google search

Technology demos (cont'd)

- Tafiti Search
 - search engine with a new kind of an UI
- NETiKA's WinForms for Silverlight
 - standard .NET Windows Forms in a web browser
- MSDN Whirly Thing
 - "spin the wheel"
- Destroy all invaders
 - a shoot'em'up game on top of Virtual Earth

Summary

- Cross-platform (+)
- Not necessarily bound to specific tools (XAML can be hand coded...), but... (+)
- well integrated with .NET (+/-)
- Cross platform version of .NET (.NET everywhere :-D) (+/-)
- Limited media type support (-)
- ignores common standards like SVG (--)

Summary (cont'd)

- easy to create visually impressive web applications (+)
- .NET developers are able to use their skills directly on a new technology (+)