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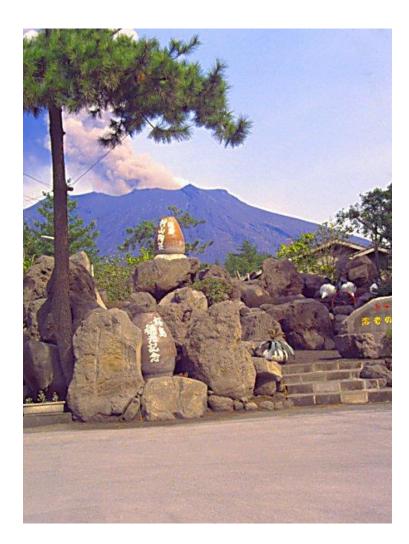


Agenda

- Part 1 The Technologies
 - Why Do YOU Need a New Client?
 - Windows Presentation Foundation Explained
 - XAML, Code-behind, XBAP, ClickOnce
- Part 2 CA Plex r7.0
 - WinC/Java/RPG client migration
 - Rich client development
 - Web enablement ideas
 - What's Currently Missing?



Introducing CA Plex r7.0 a.k.a. Sakurajima









CA Plex r7.0 Goals

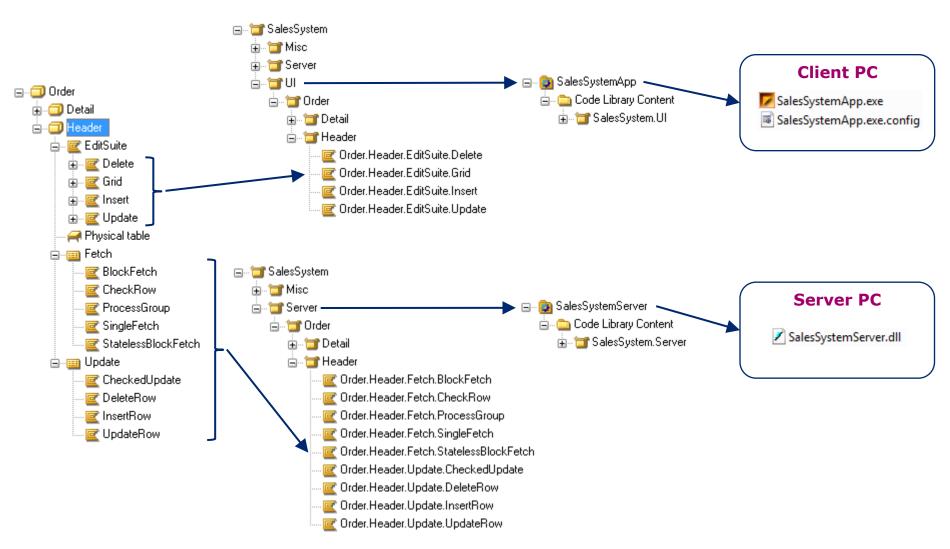
- Provide best of breed next generation Windows client
 - The <u>only</u> enterprise level .NET 4.0 code generation solution available*
 - Simplify the integration of generated code with non-Plex developers and designers
- To extend the range of deployment and Integration options
 - WCF Proxy for Windows Service, IIS and Azure hosting
 - Web Service Import
- To simplify the migration of existing Plex applications to make use of this new technologies.
 - Support for Patterns and Class Libraries
 - New tools to help organize applications to target new platforms.



^{*}That I know of anyway!

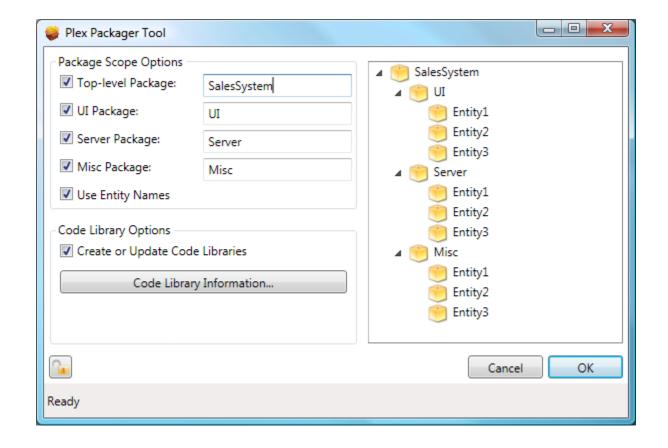


CA Plex Client/Server Partitioning





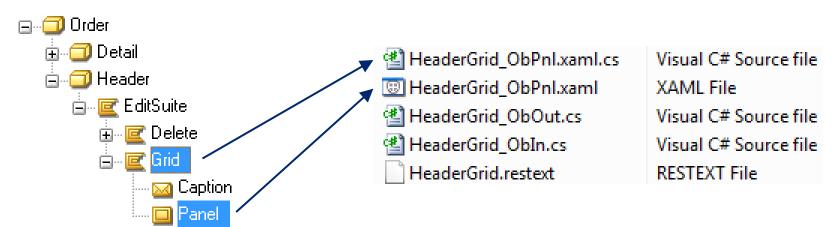
CA Plex Demo #1 – CA Plex r7.0 Packager Tool





CA Plex Generating WPF functions

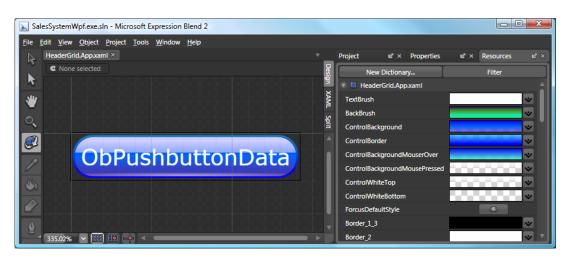
- Use existing FNC language SYS/C#
- Functions that scope a Panel generate:
 - XAML (Panel definition)
 - Code-behind C# source (Function AD)
 - Input / Output parameter interface C# source
 - Resource file





CA Plex Application Customization

- Each application contains a generic App.xaml file
- Contains default rendering for WPF Controls
- Edit via:
 - Visual Studio 2008
 - MS Expression Blend 2

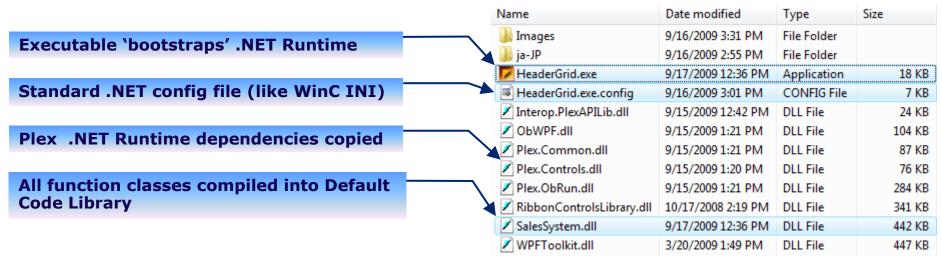






CA Plex Building WPF functions

- Build as you would any other C# function:
 - Default Code Library (Quick and dirty)
 - Model Code Library objects (Best practice)
- Build designed for XCOPY deployment
- Create Executable to run WPF application





CA Plex .NET WPF Runtime

Plex-generated C# Application
Code Library Assemblies, Executables, Configuration Files

Plex Base .NET Runtime (Plex.Obrun.dll)

Plex WPF Runtime (Plex.ObWpf.dll)

Other UI Runtimes? Silverlight?

Plex Common Runtime Plex Controls Runtime

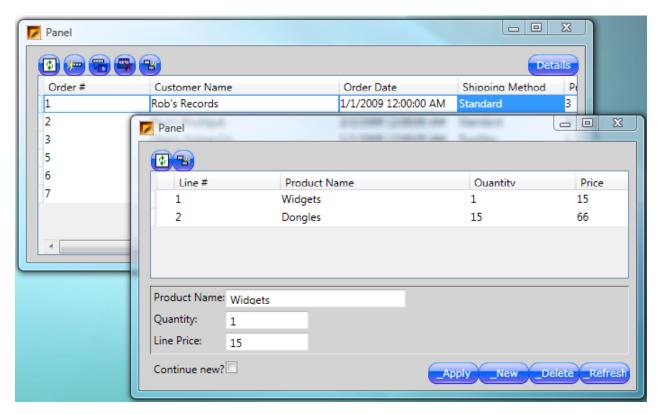
Plex API Runtime Ribbon Control Library

WPF Toolkit Library



CA Plex Demo #2 - A Plex-generated XAML Application

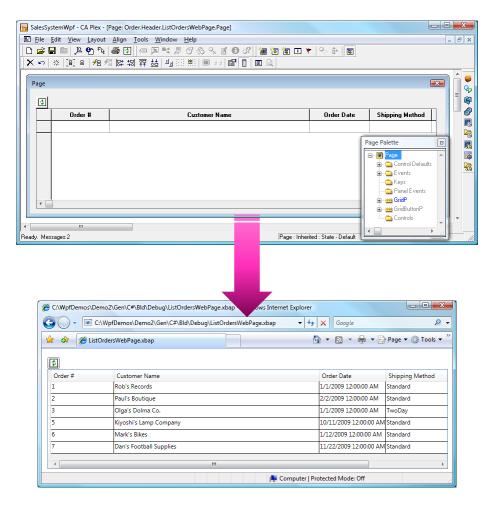
- XAML/Code-behind generation
- Application 'Look and feel' customization





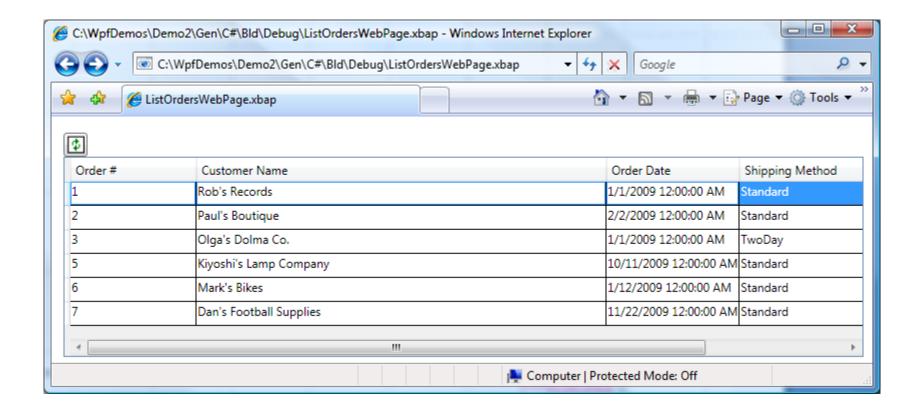
CA Plex Plex Page Objects

- New Page object in Plex
- Similar to a Panel
 - Scoped to a Function
 - Use Same Editor
 - Similar Control Types
 - General XAML
- Compile as XBAPs
 - Run in Browser
 - Use Browser Navigation





CA Plex Demo #3 - Plex-generated XBAPs







What's Missing?

- Support for .NET Custom Components on Panels/Pages
- Integrated ClickOnce Deployment
- Fully Implementing Page objects
- Enhanced CSAPI Library





Summary

- We've already come a long way from Plex r6.1!
- WPF is here to stay
- What can you do now?
 - Start migration today!
 - Plex Packager Tool Alpha available now for CA Plex r6.1
 - Nothing you do now is throw-away
 - Server won't change
 - Remember backwards compatibility is built-in!

Contact <u>robert.layzell@ca.com</u> with any questions.



