SUPERCORP	PROGRESS SOFTWARE
DEV- 20: Sex and Sizz with .NET™ a	le – Developing nd OpenEdge® 10
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	Brad Ackermann Team Leader, Supercorp Australia
	Exchange 8

#### Agenda

#### Some Business, More Technical

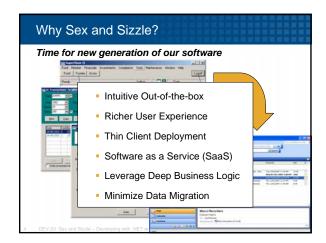
- Why Sex and Sizzle?
- Target Body (Architecture)
- Warning plastic surgery isn't for the faint hearted...
- Deep Dive:
  - How to put your fat GUI V9 app on a diet
  - Example: Re-Generate
  - Example: Re-Factor
  - Example: Re-Develop
  - Tips and Tricks
- What it really takes Warts and All
  - Tailoring OERA, .NET Infrastructure, UI facial
- Summary

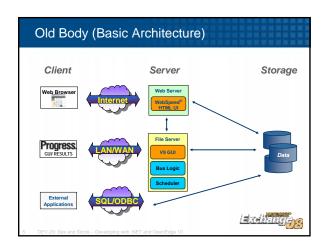
#### Why Sex and Sizzle?

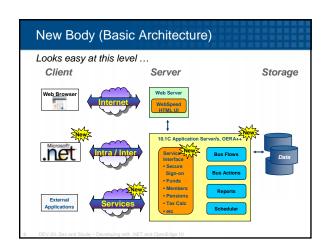
#### Background

- Established in 1987. "SuperVisor" Product was born.
- Software Provider to Superannuation / Retirement Administrators eg
  - 401K Retirement Administration (USA)
  - Special Retirement Plan (France)
- 4 of 5 largest Self-Managed Super Providers, 100s of Accountants
- History of Transformation (legislative/market necessity)
- Last complete rewrite in 98/99. "Supervisor II" drove new business!
- 10 years, 12 major, 80+ minor releases later ...

Progress Exchange 2008
8-11 June 2008







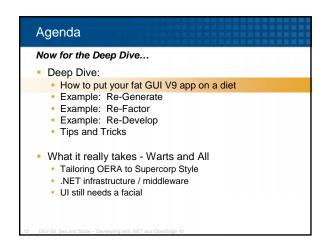
New Body (Technologies)		
Body Parts		
<ul> <li>Appearance</li> </ul>	.NET User Interface + Infragistics (Advanced GUI was still being developed)	
<ul> <li>Skeleton</li> </ul>	C#, OpenClient, Progress AppServer™, DB, OpenEdge 10.1C -> Deploy 10.2A?	
<ul><li>Organs</li></ul>	Supercorp .NET, modified OERA, Superannuation Services (V9 -> OE10)	
<ul><li>Tools</li></ul>	Visual Studio, OpenEdge Architect, SCM - Subversion/Subclipse/Tortoise SVN Code Generators	
Vital Statistics  7 DEV-20: Sex and Sizzle – Develop	Crystal for Reporting	

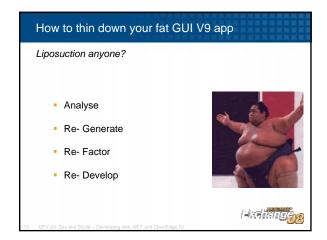


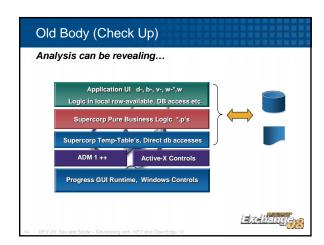


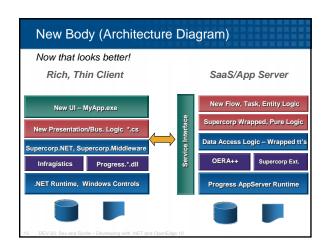


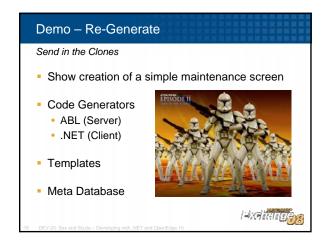


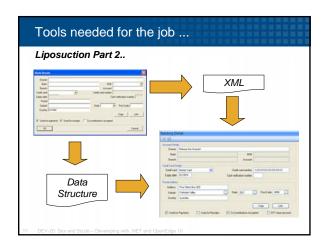


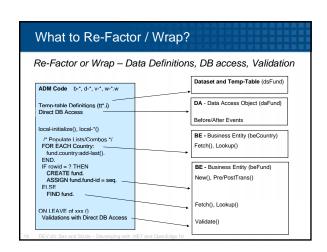


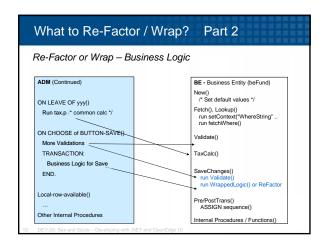


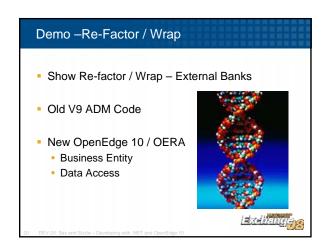


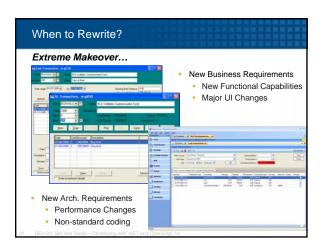










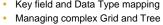


#### Demo - When to Re-Develop Show Cash Transaction Complex Logic New Bus. Services New UI Features *चित्रसितां हुन्* Summary of Tips and Tricks What Side Effects? Tip 1 - Get experts involved early Tip 2 - Trial prototypes with real users Tip 3 - Standardize Screen Patterns and Features Tip 4 - Too many UI options doesn't make it user friendly Tip 5 - Wrapping old code is ok, harvest where possible • Tip 6 - Infrastructure - Buy Vs Build - iterate! • Tip 7 - Maximise existing tools e.g. Subversion, NUnit, ... Agenda Warts and All... Deep Dive: • How to put your fat GUI V9 app on a diet • Example: Re-Generate • Example: Re-Factor • Example: Re-Develop Tips and Tricks What it really takes - Warts and All • Tailoring OERA to Supercorp Style • .NET infrastructure / middleware UI still needs a facial

	Tailoring OERA to Supercorp Style
	More Surgery
	Modified persistent support procedures (startserver.p)
	<ul> <li>Added Session Security, Modified User Security</li> </ul>
	(proSlgateway.p, securityserver.p, sessionserver.p)
	<ul> <li>Added Session Context – Data Types (context.p)</li> </ul>
	<ul> <li>Modified BE to BE calling (libraryserver.p)</li> </ul>
	e.g. RunInputOutputComponentMethod()
	New Error/Msg system (message.p)  Betalines Components  Delta Access
l	Data Souties Date Souties
L	25 DEV-20: Sex and Sizzle – Developing with .NET and OpenEdge 10
I	NET L
	.NET Infrastructure
	Some Examples of Where the real cost is
	Wrapping all Infragistics and Windows Controls
	Goal is to standardise and simplify for developers     Pre-defined Rules on Date >-Today
1	<ul> <li>Pre-defined Rules eg Date &gt;=Today</li> </ul>

Default values, Nulls, unique-idsKey field and Data Type mapping

.NET Datasets and UI mapping



Developing Standard Base/Screen Templates, LayoutsGetting Gateway and Appl. Error Management right



DEV-20: Sex and Sizzle – Developing with .NET and OpenEdge 10

UI Still Needs a Facial		
Time Consuming  ■ Tweaking – Colours, Edge Pixels, Effect of Themes etc		
■ Input Masks/Formats, Column Headings, Group-Box, Sort		
ColumnDisplayFormatter formatter = new ColumnDisplayFormatter(columns); UltraGridColumn col;		
columnsHost.Bands[0].Columns.Add("Fund", "Fund").ExcludeFromColumnChooser = ExcludeFromColumnChooser.True; col = columnsHost.Bands[0].Columns.Add("AcBal", "Acct Balance").Width = 100; formatter.SetFormat(col, ColumnDisplayFormatter.FormatType.LedgerAmount); /* eq {@"-nnn,nnn,nnn.nn",@"###,###,##0.00;(###,###,##0.00)", "/ formatter.SetVisibleColumns("TranDate", "AcNum", "AcBal",);		
SortedColumnsCollection sortCols = columnsHost.Bands[0].SortedColumns; if (sortCols.Count.Equals(0)) { sortCols.Add("TranDate", true); /* ASCENDING */ sortCols.Add("AcNum", false); /* DECENDING */		

In Summary	
Involve Experts / Users Early  Leverage Latest / Greatest Technologies  Plastic Surgery is Expensive  Results are Amazing!!  Developing with NET and OpenSign 10	
For More Information, go to  PSDN  Implementing the OpenEdge Reference Architecture: Webinar, Whitepapers – John Sadd http://www.psdn.com/library/entry.jspa?externalID=107&categor yID=289  Implementing the OpenEdge Reference Architecture: Code http://www.psdn.com/library/entry/default.jspa?categoryID=289&externalID=1442  Introduction to DataViews I, II, III – Haavard Danielsen  NET Interface Tips, Tricks, and Traps - David Olson  OpenEdge Documentation: Open Client Introduction and Programming NET Open Clients	
Relevant Exchange Sessions  DEV-24: What's New with ProDataSets in 10.1C? DEV-26: OpenEdge Strategy and Roadmap DEV-29: A Deep Dive into Developing with the Advanced GUI DEV-36: Composite MVP – Building Blocks in Presentation Layer DEV-40: Using SmartDataObjects with the Advanced GUI	

