

# Cincom Smalltalk News 2011

## ESUG Update

**By Arden Thomas**  
*Cincom Smalltalk  
Product Line Manager*

# Cincom Smalltalk™



# Cincom Talks:

- Recent Work on VM
  - by Andres Valloud
- Make the Past Serve the Future, Active Record/GLORP
  - by Niall Ross, Dirk Verleyson, Andreas Hiltner
- Cincom News
  - by Arden Thomas
- ChannelStream: Continuously Delivering
  - by Julian Fitzell
- Native or External Cryptography
  - by Martin Kobetic



# Contents

- Cincom Talks
- Past, Present & Future for:
  - Product Core (CST Foundation)
  - ObjectStudio
  - VisualWorks
- Process improvements
- Product Cycle
- Products +1 (Cincom Small)
- Show and Tell
- What's Next?



# Bio

Arden Thomas started using Smalltalk in 1986, when he was researching and exploring better ways to do software development. He found it!

Smalltalk and object-oriented were such a profoundly improved approach to software development, that he made a full endeavor into Smalltalk.

Arden began used Smalltalk in his post-graduate work, thesis and projects, as well as building applications for factory floor control for IBM.

Arden has worked for Parcplace Systems, ParcPlace-Digitalk, and ObjectShare in a number of capacities including; developer, trainer, architect, consultant, and sales SE. Arden worked for a hedge fund, which ran hundreds of applications in VisualWorks 24/7 to provide traders with decision making information and tools.

Arden Thomas is currently the product manager of Cincom Smalltalk. Arden has "Less is More" which is an interesting principle, as well as a reference to an a philosophy of Smalltalk.





# The Products

ObjectStudio

VisualWorks

Cincom Smalltalk Foundation



# The Products

## Past – Present – Future

- ObjectStudio 8.2 (8.2.1) -> 8.3 -> 8.4
- VisualWorks 7.7, (7.7.1) -> 7.8 -> 7.9





# The Products

A LOT has happened in the past 2 years!

- Four (4) MAJOR product releases
- Two (2) maintenance releases



# The Products – Foundation Past

- Unicode Windows virtual machine
  - Wide char support is now standard and the basis for Internationalization work
- Store Revamped
  - Store was revamped to use O-R mapping for speed and a base for future changes
- 64 bit work
  - Significant fixes/improvements
- Atomic loading
  - A code loading and integration technology that allows developers to avoid a class of difficulties related to sequence and prerequisites when loading code
- Delays
  - An alternative implementation addresses issues like handling the current time being changed on the host computer during the delay; or the time changing due to daylight savings time
- Mac virtual machine improvements and support



# The Products – Foundation Past

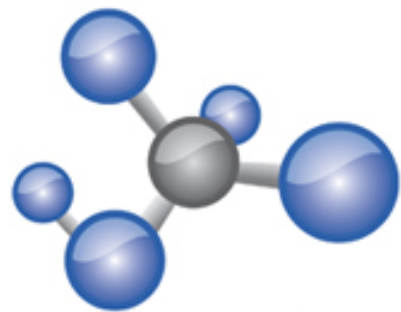
- Merge Engine
  - Faster, more capable merge engine
- New Comparison Tool
- GC improvements
- Store improvements
  - New Store Browsers (RB based)
  - Glorp based Store garbage collection
  - Fixes and cleanup
- Seaside Framework



# The Products – Foundation Future

- External Encryption
- Store improvements – Speed Improvements
- Store improvements – Configuration Management
- Seaside Framework
  - Latest release integrated





# ObjectStudio<sup>®</sup>



# The Products - ObjectStudio

## *The “Business Analyst’s Thinking Tool”*

- Windows-centric, Microsoft Windows 7 certified
- Powerful Object Modeling and Mapping
- Business architects use powerful bi-directional modeling tool to “blueprint” their systems design
- Developers use simple mapping tools to integrate databases into their design
- Automatic Code Generation
- Round-Trip Engineering
- Many Database and Communication Protocols supported
- Built on the Cincom Smalltalk foundation



# The Products – ObjectStudio Past

- Latest Foundation base with improvements
- Modeling Tool (comprehensive)
  - The Modeling Tool allows a business architect to design, and generate the framework for, a software system, using this powerful UML base tool
- Mapping Tool
  - Revamped to use more powerful O-R mapping technology
  - The mapping tool allows and easy connection from relationship databases
- Windows message loop moved from C to Smalltalk
  - ASends also handled in Smalltalk (Asynch msg sends)
  - Fixed out-of-sequence events caused by debugger in classic
- Fixes/refinements
- New professionally designed logos & icons
- Vista-Certified!



# The Products – ObjectStudio Present

- Windows 7-Certified
- Latest foundation tools and improvements
  - (Cincom Smalltalk Foundation 7.8)
- Mapping Tool enhanced
  - graphical utilization of Glorp's most important capabilities
  - Improved integration with Modeling tool
- Spy debug tool
  - Tracks messages sent to specific instances
- Scriptable Installer
  - Now using a more flexible XML based installer





# The Products – ObjectStudio Present

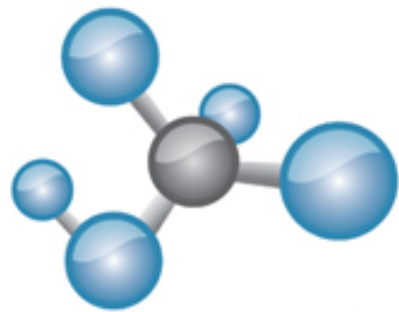
- Runtime Packager for ObjectStudio, improvements
  - Made more familiar for those migrating from 7.x
- Cursor support for Oracle
  - Adds PL/SQL reference cursor support
- Unicode Support for Databases
- Trippy inspector
  - Now the standard, featured inspector
- Lots of refinements & fixes



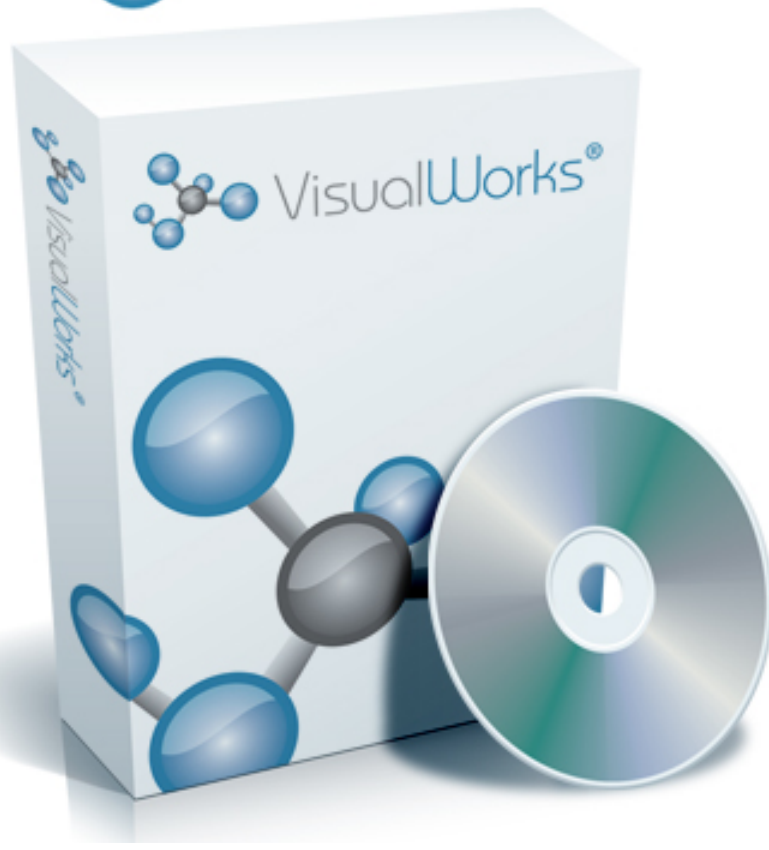
# The Products – ObjectStudio Future

- Headline feature improvements - Mapping
- Mapping tool - advanced Object/Relational capabilities
  - Inheritance mapping
  - Conditional mapping
  - Dictionary mapping
- Headline feature improvement – Modeling
  - Interaction diagrammer
  - Editor enhancements
- Designer/ GUI Builder refinements
- Database performance improvements
- Upgrade build and product to use latest MS compiler





# VisualWorks®



# The Products - VisualWorks

*The “Do Anything, Faster, Better, Cross-Platform” Tool*

- Elegance, productivity and power
- Unsurpassed interactive development
- Cross platform with instant portability
- The benchmark for Object Oriented development
- Versatile developer’s tool
- Industry Leading Refactoring Browser
- Industry Leading “Live Code” interactive development
- Industry standard databases supported
- Integrated Unit Testing Framework



# The Products – VisualWorks Past

- Foundation Upgrade
- Internationalization (CLDR based, Unicode standard)
  - Going from 14 locales to hundreds
- 64 bit platforms major revamp
  - Solaris
  - Linux
- COM Revamp
  - More easily integrate Windows capabilities into VisualWorks applications
  - Tools
- COM ActiveX
- New professionally designed icons & logos
- Grid preview



# The Products – VisualWorks Present

- WSDL 2.0 / SOAP 1.2
  - Revamped to handle updated protocols
  - Revamped builder/wizard
- Store I now completely replaced
- Store II improvements from foundation
- Project Launcher
- Polycephaly (leverages multi-core computers) preview
- Internationalization collation performance improvements
- Win64 in preview!
- Windows “move” fix
- Many refinements and fixes



# The Products – VisualWorks Future

- Externalized Encryption
- Store Performance
- IPV6 (Internet Protocol Version 6)
- “Skins” UI improvement work
- “Fluid Positioning” layout tool work
- Win64bit VM installation & move to supported
- WSDL/SOAP refinements



# The Products – VisualWorks Future

- Better undo/redo
- Delay/Durations refinements
- Database driver performance work and refinements
- Polycephaly moved to supported
- Polycephaly II (adds grid computing) previews
- Fonts integration improved
  - Native
- DLLCC
- SFTP / SCP





# Development Process

## Refinements

- More tests
- Build Chain (new compilers)
- Store configuration management
  - Prototype and internal use



# Future Release Changes

- Direction – online maintenance or “dot” release
  - Online notification of patch/fix availability
  - Optional online patch/fix installation



# Future Release Changes

- Direction – online updates
  - Online notification of patch/fix availability
  - Optional online patch/fix installation



# The Products + 1

- ChannelStream
- Orchestrator



## What's Next?

# Please tell us ....Talk to us!

Customers and industry users should contact Cincom  
Smalltalk Product management at:

[athomas@cincom.com](mailto:athomas@cincom.com) - Cincom is listening

**Please send product management your  
requirements, ideas and wishes!**



# Show and Tell

- Project Launcher



# Cincom Smalltalk™



# Thank You!

## Cincom Smalltalk Contacts

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