

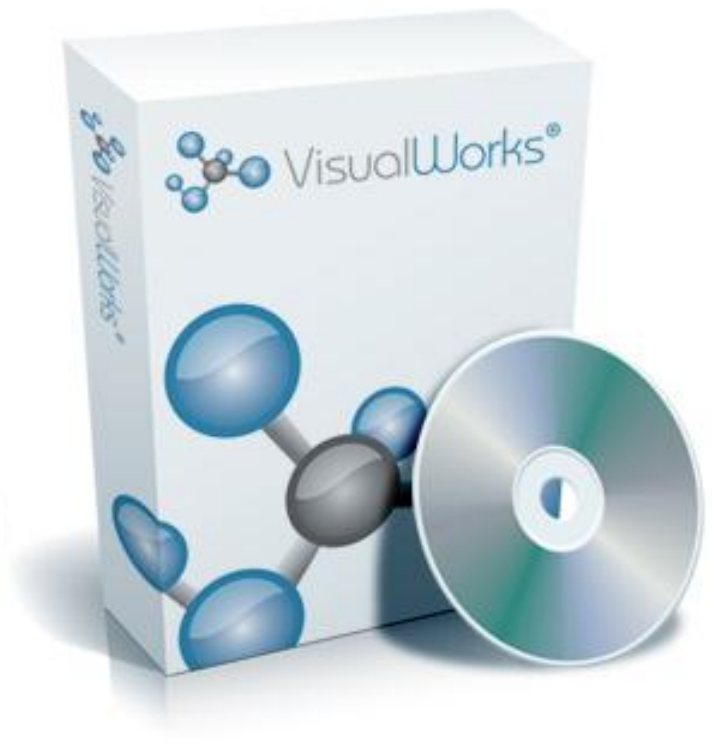


# Cincom Smalltalk News 2012

## STIC Update

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

# Cincom Smalltalk™



# Cincom Talks:

- [VisualWorks Memory Management](#)
  - by Andres Valloud
- [Building a Business with Cincom Smalltalk](#)
  - by Arden Thomas, Dirk Verleysen
- [Cincom News](#)
  - by Arden Thomas
- [Gimme Some Skin:  
A Way Forward for the  
VisualWorks Widget Set](#)
  - by Travis Griggs
- [Cincom Security: Reloaded](#)
  - by Martin Kobetic
- [Using GLORP with  
New Projects that Need to Access Legacy Data](#)
  - by Mark Grinnell & Andreas Hiltner



# Some Other Talks:

- [The Cairo Graphics Kit: Getting Modern Graphics for Familiar Tools](#)
  - by Chris Thormgrisson
- [Fluid Positioning in VisualWorks](#)
  - by David Buck
- [The Challenge of Building a Runtime](#)
  - by James Robertson

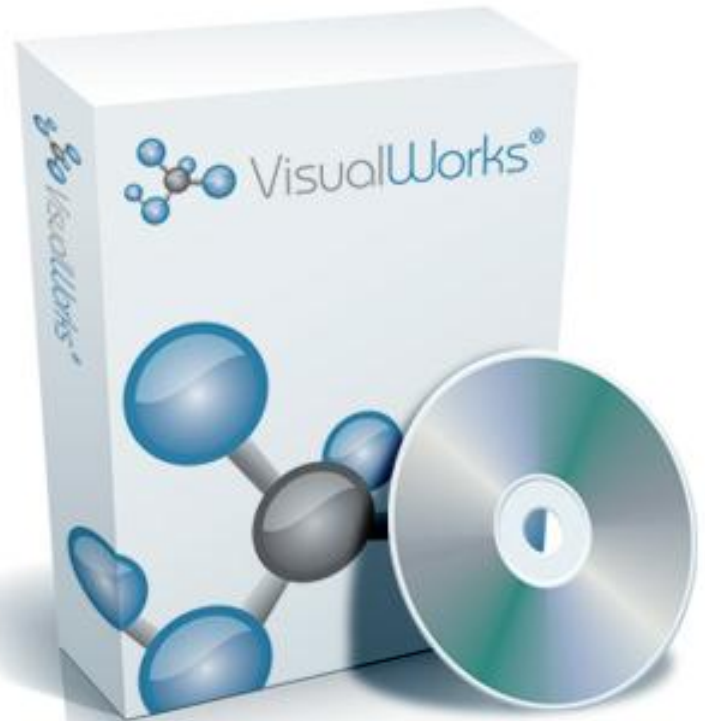




# Contents

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





# The Products

ObjectStudio

VisualWorks

Cincom Smalltalk Foundation



# The Products

## Past – Present – Future

- ObjectStudio 8.2 (8.2.1) -> 8.3 (8.3.1) -> 8.4
- VisualWorks 7.7, (7.7.1) -> 7.8 (7.8.1) -> 7.9





# The Products

A LOT has happened in the past 2 years!

- Four (4) MAJOR product releases
- Four (4) 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
- New prerequisite engine integration



# The Products – Foundation Past

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



# The Products – Foundation Future

- External Encryption – (See Martin Kobetic's talk!)
- Store improvements – Speed Improvements
- Store improvements – Configuration Management
- IPV6





# ObjectStudio®



# The Products - ObjectStudio

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

- Allows Analysts & Developers to work together
- Windows-centric, Windows 7 certified
- Powerful Object Modeling and Mapping
- Business architects use powerful bi-directional modeling tool to “blueprint” their systems design
- Code and Framework Generation, white box
- Round-Trip Engineering
- Advanced OR mapping tools integrate databases into applications
- 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 7.8.1)
- 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

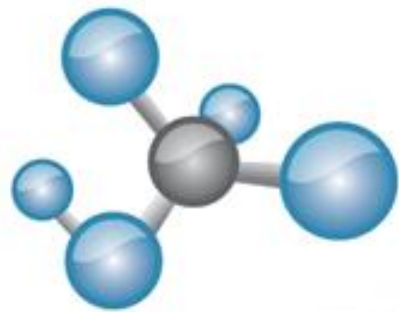
- Runtime Packager for ObjectStudio, improvements
  - Made more familiar for those migrating from 7.x
- Cursor support for Oracle
  - Adds PL/SQL reference cursor support
- Unicode Support for Databases
- Trippy inspector
  - Now the standard, featured inspector
- Lots of refinements & fixes



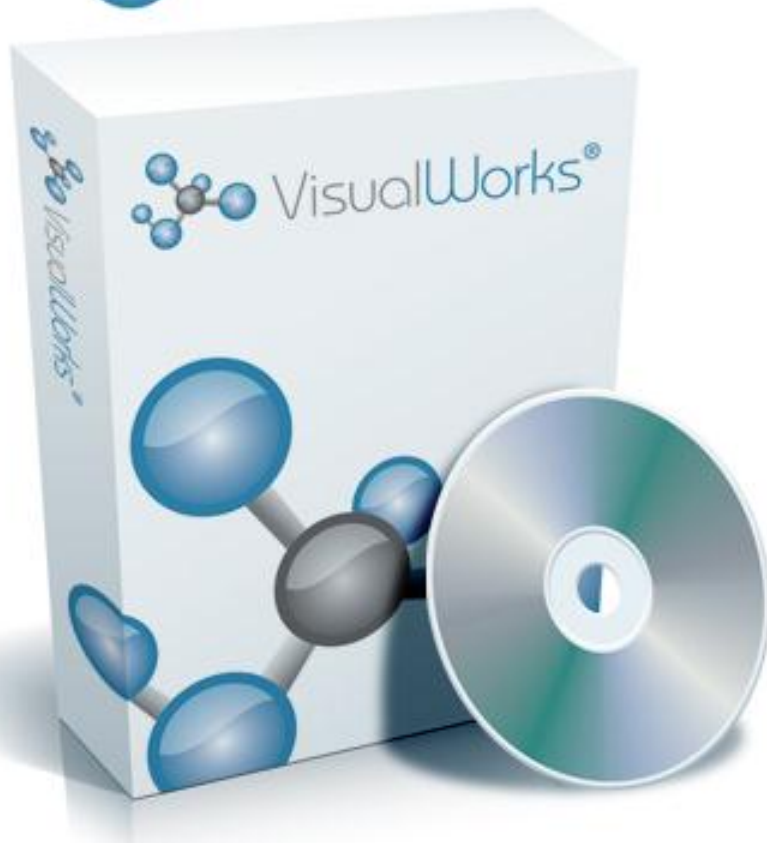
# The Products – ObjectStudio Future

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





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



# The Products – VisualWorks Present

- WSDL 2.0 / SOAP 1.2
  - Revamped to handle updated protocols
- New Store improvements from foundation
- New comparison tool and merge engine
- Project Launcher
- Polycephaly (leverages multi-core computers) preview
- Internationalization collation performance improvements
- Garbage collection performance improvements
  - Incremental GC now more efficient (See Andres Valloud's Talk!)
- Xtreams
- Many refinements and fixes



# The Products – VisualWorks Future

- Garbage Collection performance (See Andres' talk!)
- External Encryption – (See Martin Kobetic's talk!)
- “Skins” UI improvement work (See Travis Grigg's talk!)
- Win64bit VM move to supported
- COM-64, COM GC
- Oracle 64 bit, Win ODBC 64
- WSDL/SOAP refinements (specific customer request)
- Database driver performance work and refinements
- Polycephaly moved to supported
- Polycephaly II (adds grid computing) previews



# The Products – VisualWorks Future

- IPV6 (Internet Protocol Version 6)
- “Fluid Positioning” layout tool work (**See David Bucks talk!**)
- Fonts integration improved
  - Native
- DLLCC
- Windows 8, Metro, WinRT
- Code Completion
- WebSockets
- More !



# Product Changes

Where do they come from?

- **Customers**
- **Community & Users**
- **Engineering**
- **Support, Sales**
- **Product Management**



# Development Process

## Refinements

- More tests
- Partnered development
- Store configuration management experiments





# Release Changes

- Customers asked for true maintenance releases
  - We heard you!
  - ObjectStudio 8.3.1 and VisualWorks 7.8.1 are true maintenance releases
    - Support and Engineering working together



# Release Changes

- Future
  - Annual major releases
  - True maintenance releases
  - Support
    - Resolutions
    - Resolution bundles



# The Products + 1

- Cincom Smalltalk is becoming more widely used and influential within Cincom
  - ChannelStream
  - Synchrony



## What's Next?

**Please tell us what YOU want  
....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!**



# Cincom Smalltalk™



# Thank You!

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# Show and Tell

- LaunchPad

