Cincom talks:

- Bonding with Pango  
  - by Travis Griggs

- Xtreams - streams for the new millennium

- Stampy  
  - by Martin Kobetic

- Current Developments in the Store Version Control System  
  - by Alan Knight

- Wolf Pack Programming

- On the Extremities of Extreme  
  - by Jason Ayers, Julian Fitzell
Contents

• The Products
• Product Improvements
• Product Cycle
• Cincom Smalltalk Foundation
• ObjectStudio
• WebVelocity
• VisualWorks
• What’s Next?
• Show and Tell
The Products

A LOT has happened in the past year!

- Three (3) MAJOR product releases
- Two (2) maintenance releases
The Products

Cincom Smalltalk Foundation
The Products

ObjectStudio  WebVelocity  VisualWorks

Cincom Smalltalk Foundation
Product Improvements

What are we trying to do?

* Make changes to:
  - Benefit our customers
  - Benefit Smalltalk
    - Keep it Vital and Competitive
Product Improvements

What kinds of product changes are there?

- New Features
- Refinement/enhancements/updates
- Foundational (prerequisites for future work)
- Cleanup:
  - Removing unused, obsolete, broken code
  - Refactoring/restructuring old code/subsystems/frameworks
Product Improvements

What kinds of product changes are there?

- Disruptive/non-disruptive
Product Improvements

Where do we get our ideas from?

- Customers
- Community
- Engineering & Support
- Sales
Product Cycle

We tried new things to improve the benefits to customers:

- What did we try?
- Why did we try it?
- How did it work out?
Product Cycle Length

What: Longer product cycle

Why:
- Customers not able to migrate to frequent releases
- Focus on new product benefits to allow customers to more easily justify upgrading

How did it work out?
- Mixed

What’s next?
Product Cycle Improvements

**What:** Development Process Refinement

**Why:**
- Time to “Sharpen the saw”

**How did it work out?**
- Well!
Cincom Smalltalk Foundation

- 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
Cincom Smalltalk Foundation

- 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
ObjectStudio 8.2

- Latest Foundation base with improvements (Cincom Smalltalk Foundation)
- 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)
  - 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!
ObjectStudio 8.2.1

- Latest foundation tools and improvements (Cincom Smalltalk Foundation 7.7.1)
- C to Smalltalk migration work
  - Makes more customization accessible to customers
- Maintenance release
  - Refinements, fixes
- Migration improvements
  - Working with users to simplify upgrades
- Windows 7 Certified!
WebVelocity 1.0

- Unique Web based IDE
- Quickly build Db -> Web applications
  - Fast and easy
  - Supports complex object domains
- Core built from
  - VisualWorks
  - Seaside
  - Glorp
  - ActiveRecord pattern
WebVelocity 1.1

- Cloud Deployment release focus
  - Allows creation of SaaS solutions
  - Allows easy cloud based development
  - Allows easy cloud deployment with Amazon Web Services
  - Other web services possible
  - Amazon RDS cloud Db supported

- Headless (no gui) deployment allows more deployment platforms

- Enhanced editing tools

- Collaborative editing
  - See your remote teammate’s changes as they make them

- Foundation / Framework:
  - Upgrade to Cincom Smalltalk Foundation 7.7
  - Upgrade to Seaside 3.0
VisualWorks 7.7

- 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
VisualWorks 7.7.1

- Cincom Smalltalk tools and improvements
- WSDL 2.0 / SOAP 1.2
  - Revamped to handle updated protocols
- Store improvements from foundation
  - Heavily used by customers
- Project Launcher (LaunchPad)
What’s Next? - Foundation

- Windows 64 bit VM
- Continued Store improvements
- IPV6
- VM Signal handling
- SQLite for Store auto install
What’s Next? - ObjectStudio

- **Mapping Tool**
  - GUI for freeform mapping
  - Support more Glorp capability
  - Improve integration with Modeling tool

- **Modeling Tool**
  - Interaction diagramer
  - Integrate pkgs/bundles/namespaces
  - Enhance editors
  - Build Wizards for model creation
  - Save to XML-OMG Model Interchange format
What’s Next? - ObjectStudio

- Windows api / C to Smalltalk work continued
- Scriptable Installer
  - Evaluating more flexible XML based installer
- Documentation
  - Refresh documentation on areas of key updates
- GUI refresh
What’s Next? - VisualWorks

User interface work

- Cairo
- Pango
- Update looks
- Code refactor and simplification
- Better utilization of native platform
What’s Next? - VisualWorks

Continued work –

• WSDL 2.0 / SOAP 1.2 tools

• Internationalization
  - Locale specific collation
  - Collation performance improvements
  - IME improvements
What's Next? - VisualWorks

- Move to Production
  - Polycephaly
  - Grid (enhancement needed first)
- Code highlighting
- Autocomplete
- Interest:?
  - Calendar Widget
  - Multi-touch support
  - OAuth
  - XMPP
What’s Next? - VisualWorks

Longer Term

• Font & Text improvements
• UI Construction
• Improved widget architecture
• Opentalk-IIOP DST replacement
• Reified instance variables
• Protocol additions/updates (TLS, X509 …
• Sax based streaming
What’s Next?

Please tell us . . .

Talk to us!

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

athomas@cincom.com - Cincom is listening

Please send product management your requirements, ideas and wishes!
Show and Tell

- LaunchPad
- WebVelocity in the Cloud
Thank You!

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