

Cincom Smalltalk Roadmap 2010



ESUG Update

By Arden Thomas

*Cincom Smalltalk
Product Line Manager*

Cincom Smalltalk™



Cincom talks:

- Bonding with Pango
 - by Travis Griggs
- Xstreams - 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?

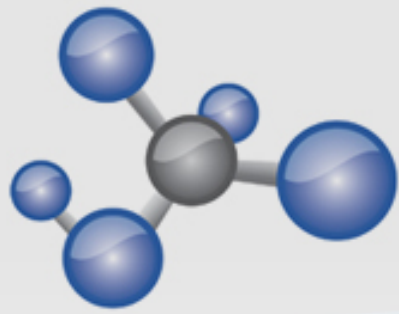
- Well!

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®

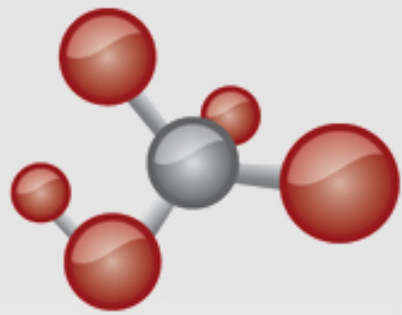


ObjectStudio 8.2

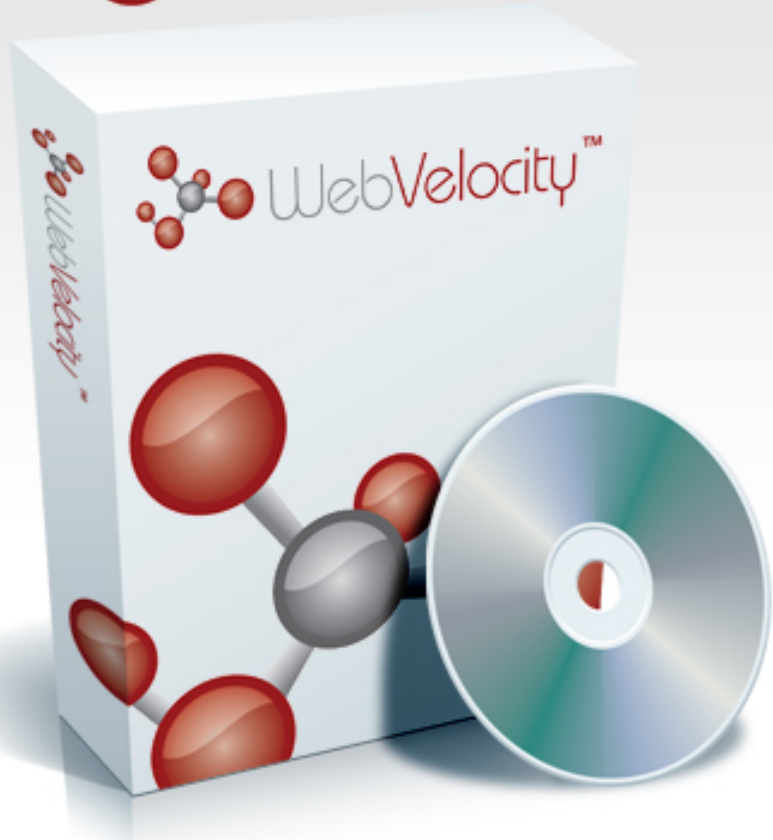
- Latest Foundation base with improvements (Cincom Smalltalk Foundation)
- Modeling Tool (comprehensive)
 - The Modeling Tool allows a business architect to design, and generate the framework for, a software system, using this powerful UML base tool
- Mapping Tool (revamped to use more powerful O-R mapping 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™

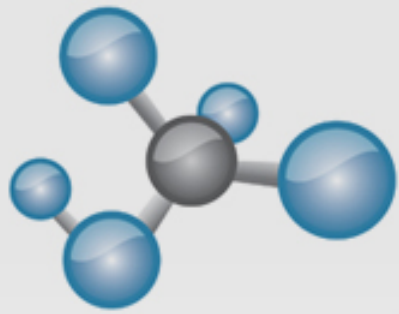


WebVelocity 1.0

- 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®



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 diagrammer
 - 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

Cincom Smalltalk™



Thank You!

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