VA Smalltalk Going Forward

Eric Clayberg, Instantiations
Sr. Vice President of Product Development
Agenda

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• Products for VisualAge Smalltalk®
• Products for Rational®, WebSphere®, and Eclipse
• Our Smalltalk History
• IBM/Instantiations Smalltalk Relationship
• IBM Transition Roadmap
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• Finding out more about VA Smalltalk
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Who am I?

- First saw (Apple) Smalltalk in 1986; first used Smalltalk in late ‘80s; full-time since 1991
- Co-Founder of (the original) ObjectShare in 1992
- Developer & Chief Architect of WindowBuilder Pro and over a dozen other commercial Smalltalk add-on products (VA Assist Pro, WidgetKits, etc.)
- Vice President of Development for ParcPlace-Digitalk 1996-97
- Sr. Vice President of Product Development for Instantiations 1997-present
- General Manager, Smalltalk Products Group
- Former Smalltalk Editor for VA Magazine
- Usenet Junkie
Introducing Instantiations

- Multi-faceted software company founded in 1997
- Creates and markets leading edge development tools for enterprise software developers (VisualAge Smalltalk, Rational, WebSphere, Eclipse)
- Strategic partnerships:
  - IBM Advanced Business Partner
  - Eclipse Foundation Member
- Established Fortune 1000 customer relationships
- Hundreds of Smalltalk customers worldwide
Products for VisualAge Smalltalk

- IDE Power Tools
- ENVY Power Tools
- GUI Power Tools
- WidgetKits & GF/ST
- Spreadsheets
- Charts & Graphs

- Powerful GUI Designer
- Dozens of available widgets
- Fully Bi-directional
Products for Rational, WebSphere, and Eclipse

- Powerful Software Quality Improvement Tools
- JUnit Test Generation & Code Coverage Analysis
- Dynamic Code Audit & Code Metrics
- Javadoc Repair
- Team Collaboration

- Market Leading GUI Designer
- Supports Swing, SWT, JFace & RCP
- Fully Bi-directional
Instantiations History

Tektronix → instantiations → ParcPlace Digitalk → Objectshare Systems → DIGITALK
Our Smalltalk History

Instantiations has contributed to the Smalltalk industry continuously since 1984.

- 1984: Instantiations’ co-founders developed the world’s first commercial version of Smalltalk at Tektronix.
  - 1988: Founded Instantiations Inc. (first incarnation) and became one of the most prominent Smalltalk product and consulting companies in the world.
  - 1992: Instantiations was acquired by Digitalk, Inc. and lead the design & development of Digitalk’s Visual Smalltalk Enterprise (VSE) product line.

- 1990’s: Digitalk was a major partner of IBM in the creation and marketing of Smalltalk technology.
  - 1993: Co-founders of Instantiations founded ObjectShare Systems, a major Smalltalk product vendor and creator of WindowBuilder Pro & WidgetKits, which was acquired by ParcPlace-Digitalk in 1996.
  - 1995: Digitalk was acquired by ParcPlace forming ParcPlace-Digitalk. Current Instantiations employees made major contributions to the development and marketing of VisualWorks™ Smalltalk.

- 1997: Instantiations Inc. (second incarnation) was formed in 1997 by the Tektronix/ Instantiations/ ObjectShare team. The company has offered products and services to the Smalltalk industry since its inception.

- 2004: IBM and Instantiations form relationship under which Instantiations provides Customer Support for VisualAge® Smalltalk.

- 2005: IBM and Instantiations form relationship under which Instantiations offers VA Smalltalk product.

Instantiations and its preceding companies have partnered with IBM to advance and advocate Smalltalk for well over a decade.
...and More History

Smalltalk Products Developed or Contributed to by Instantiations Team Members:

- Tektronix Smalltalk®
- Convergence Code Management System™
- Smalltalk V®
- Smalltalk Express®
- Visual Smalltalk Enterprise®
- Team/V®
- Parts for Smalltalk®
- VisualWorks Smalltalk®
- WindowBuilder Pro for VSE™
- WindowBuilder Pro for VAST™

- IBM Smalltalk
- Subpanes/V™
- WidgetKit/Professional for VAST™
- WidgetKit/Professional for VSE™
- WidgetKit/BusinessGraphics for VAST™
- VA Assist™
- VA Assist Pro™
- WindowBuilder Translation Toolkit™
- WidgetKit/Controls™
- GFST™
IBM / Instantiations Relationship

• VisualAge Smalltalk Solution Team Member
  – VA Smalltalk™ Provider
  – Supplier of Level 2 & 3 VisualAge Smalltalk Support (through IBM)

• Advanced IBM Business Partner

• Ready For Rational ® Program

• Ready For WebSphere® Program

• Winner: IBM Solution Excellence ® Award (for VA Assist)

• PartnerWorld for Developers

• PartnerWorld for Software
IBM VisualAge Smalltalk Transition Options

- **Accelerated Transformation**
  - Migrating in near- to mid-term (6-12 months)
  - Comprehensive migration solution

- **Staged Transformation**
  - Incremental, evolutionary transition
  - Bridging, migration-readiness technologies

- **VisualAge® Smalltalk Customers**

- **Java®, J2EE, Open Source, Eclipse, Model-driven dev't, SOA, WebSphere, Rational tools & runtimes**

- **VisualAge® Smalltalk V6 Support Extension**
VisualAge Transition – Resource Model

IBM Customers

CSC Solution Services
- Complete sol’n offerings (business transformation services, education)

Synchrony Systems
- Migr. methodology (SM2)
- Migr. automation (SMT)
- Migr. expertise

Integrated Technology Services

SWG Lab Dev't/Support

VAST technology services
- VAST Applns.
- VAST AD skills
- VAST RT Infra.

Collaboration

Bus Trans Sol'n Svcs

Software Modernization

L2/L3 Support

L1 Support

Develop/Support

Instantiations

Agreement

SE
VA Smalltalk Strategy

Proven Power and Productivity™

- Lengthens viable life of VisualAge Smalltalk applications
- Part of overall VisualAge Smalltalk Transition Strategy
- 100% VisualAge Smalltalk compatible
- Includes VA Assist, WidgetKit/Controls & GF/ST
- Modernized product
- Fully supported
- Roadmap for the future
VA Smalltalk Roadmap

**Product Development Roadmap** *(Preliminary and subject to change)*

- **Announcement Date:** April 2005
- **Delivery Date:** July 2005
- **Included Components:**
  - VisualAge® Smalltalk 6.0.3
  - VA Assist Enterprise/S™
  - WidgetKit/Controls™
  - GF/ST™ (unsupported goody)

**Version 7.0**

- Integrate VA Assist to modernize look & feel of VA Smalltalk IDE
- Include WidgetKit/Controls to build more sophisticated UIs
- Include GF/ST as a "goodie" to add direct-manipulation graphics to applications
- Include migration readiness technology demo from Synchrony Systems
VA Smalltalk Roadmap (con’t)

Version 7.5
- Finish ANSI Smalltalk support
- Further enhance and modernize IDE
- Modernize and include ENVY/QA
- Integrate Refactoring Browser and ENVY extensions
- Support for newer native Windows widgets
- Begin to enhance VAST web services
- Include additional migration readiness enhancements

Version 8.0
- Support for Microsoft Longhorn
- More web services enhancements
- Investigate namespace support
- 64-bit VM support

(Preliminary and subject to change)
VA Assist (Included in VAST7)
Modernized look and feel for VA Smalltalk IDE

VA Assist Features
Universal Drag/Drop
Powerful Change Propagation Tools
Customizable Toolbars
Color Code Syntax
Spell Checking & Auto-Spell Correction
Version Renaming & Templates
Class History / Find
Enhanced Debugger & Inspectors
Popup Senders / Implementors
Locate Applications / Dependents
WidgetKit/Controls (Included in VAST7)

Allow customers to build more sophisticated GUIs

**WidgetKit/Controls Features**
- Columnar List boxes, table widgets and hierarchical lists
- Customizable image buttons, toggles and value sets
- Vertical, horizontal and circular gauges
- Data aware spin buttons
- Splitbar widget

![WidgetKit/Controls Features Diagram]
GF/ST (Included in VAST7)
Add direct-manipulation graphics to applications

GF/ST Features
Rich Framework for Graphic Objects
Reusable Components, Tools & Visual Handles
Drag / Drop and Object Linking
Create Workflow Diagrams, PERT Charts, Drawings
Event Based Architecture
Visual Inspector
Migration Readiness Technology Demonstration
Included in VA Smalltalk 7.0 courtesy of Synchrony Systems

**SMT™ Features**
- Architecture Analysis
- Dead Code Analysis and Removal
- Comprehensive Diagnostics and Analytics
- Interactive Type Inferencing Engine
- GUI Transformation and Refactoring
- Class Library Transformation and Refactoring
- Language (Syntax) Transformation and Code Generation
- Code Synchronization with Ongoing Development

**SMT Benefits**
- Integration Migration and Modernization Environment
- Supporting large-scale modernization projects
- Supports synchronization of ongoing development with the modernization
- Support team modernization activities
- Reusable and repeatable knowledge-base drive process
- Ensure production of high quality code on the target platform – not simply code that runs included in VA Smalltalk 7.0 courtesy of Synchrony Systems.
VA Smalltalk Pricing

New License: $6995  (license is per developer, quantity discounts and site licenses available)

Upgrade to VAST7: $1495  (if IBM support is current, includes 1 year of upgrades and support)

Upgrade to VAST7: $1995  (if currently unsupported, includes 1 year of upgrades and support)

VAST7 Annual Support: $1495  (per year, includes support and upgrades)

Competitive Upgrade: $1995  (see website for details)

See website for details. Prices current as of April 26, 2005 and may be changed without notice.
VA Smalltalk Demonstration

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Finding out more about VA Smalltalk

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Questions