Agenda

› Company Update
› Early Customer Access Program
› Current Release
› Next Release
› How to Get VA Smalltalk
› Q & A
Company Update
Organization Change & Staff Investment

Seth Berman appointed to President & CEO

Mariano Martinez Peck joined the team
Customer Expansion & Software Advancements

› Current customers are upgrading
› New customers are being added
› VA Smalltalk 64-bit!
Early Customer Access Program
› Zero-Install version of VA Smalltalk
  › Self-contained, no changes to the system required
  › Built using the latest internal development builds

› Download and install fixpacks

› Access to incubating projects
  › VA Smalltalk on Raspberry PI

› All customers are automatically enrolled
  instantiations.com/ecap
Current Release
V9.1 available for Windows and Linux
New Platform

- Linux 64-bit now available!
  - New virtual machines
  - Updated Smalltalk images
Unix UI Revisited

› Native widgets updated to latest Motif/X11
  › Improved user-experience
  › 64-bit compatible
Unix UI Revisited

Development Environment Enhancements to:
  - Theme
  - Keyboard Shortcuts
  - Scrolling
  - Code Completion
  - File Dialogs
  - Menu Popups
  - Async Queue Overflow Avoidance
  - And more...
Security

› OpenSSL 1.1.1.1 Compatible
  › TLS 1.3
  › SHA3

› VA Smalltalk Binaries
  › Address Space Layout Randomization (ASLR)
  › Data Execution Prevention (DEP)
Internationalization

- Unified Codepage Conversion Policies
  - Windows API vs Iconv
- User can control conversion policy
  - System-Wide or Single invocation
- Default policy: Transliterate / Skip UTF-8 BOM
- Handles embedded nulls
- Grease UTF-8 Codec now uses converter
Base Libraries

› Regular Expressions
  › Special Thanks: Wouter van Zuilen
› JSON (NeoJSON)
  › Special Thanks: Sven Van Caekenberghe
› UUID (version 3 - 5)
› Enhanced String $>$ $>$ match:
› Enhanced High-Resolution Timers
› Streams Auto-detect Line Endings
Compression

› High-Performance Codec Streams
› DEFLATE/GZip/LZ4 Compression Streams
› All algorithms offer optimized non-streaming variants
› ZStandard in VastGoodies

instantiations.com/resources/goodies.html
Compression

- Zip Archive Stream
  - In-Memory (no filesystem support needed)
  - Zip64 Support
  - Read/Write Zip Archives to memory/files/sockets
Communications

› New LDAP Binding Framework
› Unified OpenLDAP and Windows LDAP API
Communications

- HTTP Client Enhancements
- Improved Proxy Support
Deployment

› Linux 64-bit Packaging Support
› 64-bit Cross-Development (XD)
Installation

› Linux 64-bit Installers
› Linux Package-Manager Integration
   › Auto-Install of Dependencies
Development Tooling

New Editor Themes

Dark

Solarized
Next Release
› Unicode Support
› Packager Simplification
› WAN development solution
› Windows High-DPI Support
› Server Smalltalk (SST) Enhancements
› Unified Native Process API
› Enhanced Filesystem API
› New AIX and Solaris Virtual Machines
How to Get VA Smalltalk
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Thank you for your Attention

Questions?