

VA Smalltalk 9.0

Smalltalk for the 21st Century!

New
32 &
64-bit
Virtual
Machines

VA Smalltalk 9.0™ - the powerful new generation of a proven, commercial software development platform.

Leverage & Protect Your Valuable Smalltalk Investments

Built on the latest virtual machine technology, with up-to-date operating system support, full enterprise-level technical support and rich tools for integrating existing legacy systems into the dynamic distributed architectures of today.

What's New in Version 9.0?

- All new, standards-based 32 and 64-bit virtual machines
- Platform:
 - 32 & 64-bit Smalltalk Images
 - Garbage Collection Enhancements
- Deployment:
 - 32 & 64-bit Windows Packagers
- Installation:
 - 32 & 64-bit Windows Installers
- Security:
 - Elliptic Curve Cryptography
- GUI Look and Feel:
 - Scintilla Version Update
- Development Tools:
 - New Workspace Languages
 - Collapsed Comment Indicators
- Documentation:
 - 64-bit Updates
 - Updated Migration Guide

IBM VisualAge® Compatible

Easily Upgrade Systems from IBM Smalltalk.

Many, many IBM VisualAge® Smalltalk users have quickly and easily upgraded by migrating their systems to Instantiations' fully-supported and compatible VA Smalltalk.

Check out our free and comprehensive **Migration Guide** at www.instantiations.com

Key Features of VA Smalltalk

- State-of-the-art virtual machine technology utilizing the well known LLVM Compiler Infrastructure
- Native 64-bit support enabling applications to access dramatically larger amounts of memory
- Compatible with IBM VisualAge Smalltalk enabling fast and easy migration and upgrades
- Modern, up-to-date operating system support (see table on reverse)
- Comprehensive integrated development environment and deployment tools
- Enhanced IDE with Scintilla code editor, code assist, tabbed browsers, native platform widgets, and more
- Powerful VA Assist™ ergonomic and productivity enhancements and Integrated WidgetKit™ custom controls
- Seaside support for the current release of the Seaside Core, REST, HTTPS, jQuery, Scriptaculous, RSS, and several development tools
- Enhanced Web Services, including support of document literal wrapped style and SOAP 1.2
- Cryptographic bindings with enhanced SSL/TLS support
- GLORP support for mapping of Smalltalk objects to/from relational databases
- SQLite supports in-memory databases

...and much more!

Powerful VA Smalltalk Add-on Products

- ♥ WindowBuilder Pro™
- ♥ WidgetKit/BusinessGraphics™ (32-bit only)
- ♥ WidgetKit/Professional™ (32-bit only)

Download free trials:

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Toll Free in North America: 1-855-4-SMALLTALK

Telephone: +1 (503) 649-3836

VA Smalltalk™

VA Smalltalk is a modern software development environment that is fully IBM VisualAge Smalltalk compatible. VA Smalltalk enables developers to quickly construct applications that are portable, highly scalable, simple to maintain, and fit easily into existing infrastructures.

Development Tools

A rich set of development tools contains debuggers, browsers, inspectors, application builders, a performance monitor, and all the browser extensions of the award winning VA Assist™ technology including:

- Code Assist
 - Auto-completion
 - Interactive refactoring
 - LINT checker
- Scintilla advanced code editor (Windows)
- Multi-lingual workspace
- Universal drag/drop
- Customizable toolbars
- Color Code Syntax (Windows)
- Dynamic & batch spell checking
- Spell checking & auto-correction
- Tabbed browsers
- Version Graph tab
- Enhanced debugger & inspectors
- Code synchronization
- Locate applications and dependents
- Enhanced composition editor

Logging Framework provides rich, customizable support for creating development time and runtime logs.

Preference Setting Framework consolidates preferences location, handling, and documentation.

Packager creates minimal 32 and 64-bit runtime images composed of only necessary classes.

Reports feature enables the creation of hard copy and/or screen reports on any object that can be used in the VA Smalltalk environment, including parts provided in the Database and Communications features (Windows only).

Server Workbench is a cross-development environment used in developing distributed processing, web hosting, and other server applications. Target deployment environments include all VA Smalltalk platforms.

Security Framework provides a rich set of cryptographic primitives such as message digests, ciphers, public/private key, digital signatures/enveloping, secure random number generation, key derivation, and secure arenas.

Seaside provides a framework and tools for quickly building highly interactive and sophisticated web applications. Includes Seaside Core, REST, HTTPS, jQuery, Scriptaculous, and RSS.

Server Smalltalk (SST) provides a client/server framework flexible enough to accommodate various distributed architectures.

Web Services, a self-contained, modular framework for accessing and hosting Web Services with tools for creating and deploying them.

External Interface Support

XML Support enables XML–Smalltalk object mapping featuring a server interface via XML request handlers and reading of remote resources utilizing TCP sockets and HTTP requests.

OLE Support enables an application to use OLE clients and custom control services.

Domino Connection allows an application to retrieve and work with Domino documents as well as access IBM Notes mail system.

AsyncCallout, an extension of the platform function API, allows developers to make a platform function call in a separate operating system thread.

Native Interface Support provides platform-adapting OSObjects to facilitate the generation of native bindings for 32 and 64-bit environments.

V9.0 SUPPORTED CONFIGURATIONS	
OPERATING SYSTEM	HARDWARE PLATFORM
Windows 10, 8.1, 8, 7, Vista, Server 2012 R2, Server 2008 R2	Intel (except Itanium) and AMD PCs
V8.6.3 Also Supports:	
Red Hat Enterprise 7, openSUSE 10-12, Ubuntu 7-16, Fedora 14-24	Intel (except Itanium) and AMD PCs
Sun Solaris 8, 9, and 10 AIX 5L v5.3 and AIX v6.1	SPARC workstation or server RS/6000, POWERStation or POWERServer

OTHER SOFTWARE REQUIREMENTS	
Database	<ul style="list-style-type: none"> • DB2 Universal Database • ORACLE 8i (8.1.6) through 11g • SQLite provides easy-to-use support for in-memory databases
Domino	<ul style="list-style-type: none"> • IBM Notes (32-bit Windows only)
VA Smalltalk's HTML Documentation	<ul style="list-style-type: none"> • Microsoft Internet Explorer 6.0 or later (Windows) • Firefox 2.0 or later • Opera 9.02 or later (Windows) • Google Chrome (Windows)

User Interface

Common programming interface to native platform widgets.

Extra Windows-specific widgets including Scintilla Text Widget.

Custom controls based on popular WidgetKit technology.

Database

GLORP support lets you easily read and write Smalltalk objects from relational databases.

Powerful DB2 and Oracle support.

ODBC interface support.

SQLite 3 support.

Communications

MQ Series Support.

Socket Communications Interface, an API providing full support for TCP/IP V4/V6 protocols, plus secure communications using SSL through the crypto APIs.

VA Smalltalk...
it's all that and more!

**Risk Free,
Fully-Functional
Trial Version**

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