Cincom Smalltalk

Cincom Smalltalk is a pure, object-oriented application development suite for software developers who need to build applications quickly and efficiently.

Cincom® VisualWorks® Environment

The VisualWorks suite is the premier Smalltalk platform for building instantly portable server, web-based and client/server applications. VisualWorks is portable across a wide range of platforms:

- Windows (XP/200x/Vista/7)
- Mac OSX
- Linux (x86/SPARC/PPC)
- HPUX (PA-RISC)
- AIX
- Solaris (SPARC/x86)

VisualWorks has 64-bit engines and images available on:

- Windows (Vista and 7 - 64 bit)
- Linux (x86-64)
- Solaris (SPARC/x86-64)

Highlights

- Seaside Web Framework
- Internationalization
- Web services
- Web toolkit
- COM Active/X
- Security
- Distributed protocols
- Opentalk
- Xtreams experimental protocol

Cincom Smalltalk

The Cincom Smalltalk product suite consists of the VisualWorks and Cincom® ObjectStudio® development platforms. VisualWorks is an enterprise-class application development and delivery platform used by world-class companies in areas such as semiconductor manufacturing, shipping, financial risk management, insurance, banking, government, education and healthcare.

VisualWorks

VisualWorks includes components for any type of work your team might contemplate including web applications, WS (web services), server, client and distributed, and allows you to build them with superior development tools. VisualWorks includes best-of-breed tools like the Refactoring Browser and the Professional Debugger Package, fully integrated with the product.

VisualWorks has support for all major internet protocols. Additionally, VisualWorks supports interoperability standards such as CORBA, COM, Dot-NET and MQSeries, allowing Smalltalk applications to seamlessly plug into an enterprise infrastructure—an important feature for IS shops that need to integrate multiple applications from multiple sources.

With Corba support for J2EE, Web Services support for .NET and COM support for legacy applications, VisualWorks is also an excellent choice as an integration platform.

Seaside

The Seaside Web Framework is a leading-edge web framework for developing rich internet applications, using standards and technology such as W3C protocols, AJAX, Comet and CSS. Many traditionally difficult problems in web programming like flow control, state management and handling the back button are simple and easy with Seaside.

64-bit Platforms

VisualWorks offers several 64-bit environments, now including Windows 64-bit platforms. 64-bit platforms have a much larger addressable memory, allowing a much larger object space. There are also other optimizations and advantages for 64-bit.
Multi-Core
VisualWorks now lets you leverage multi-core processors with the Polycephaly (multi-head) framework. Using this can dramatically increase throughput for some applications.

Store Source Code Management
VisualWorks offers source code flexibility with many ways to manage your code and organize projects and systems. Source files, parcels and the sophisticated Store RDBMS-based system can handle projects of any size.

Product Tools

VisualWorks Project Manager
The launchpad project manager allows easy location and launching of projects as well as new project creation.

Refactoring Browser
The refactoring browser has been getting incremental visual and functional improvements every cycle, and is often where new improvements are first integrated and proven.

GUI Tools
The Cairo graphics package is an option with available libraries, allowing powerful graphic techniques for attractive applications. The user interface operates with multiple processes instead of a single "distinguished" process, enabling more responsive applications. Shortcut keys are industry standard where applicable.

Internationalization
VisualWorks 7.7 includes an extensive Locale system based upon CLDR (Unicode Consortium’s Common Locale Data Repository) locales.

Database
VisualWorks supports connectivity via ODBC and native connections to Oracle, Sybase, SQL Server, PostgreSQL, MySQL DB/2 and SQLite. There are a number of contributed database connects to other RDBMS systems. Of course, VisualWorks connects easily with OODBMS systems like GemStone and Objectivity, which allow for much more natural object persistence.

Network Connectivity
VisualWorks has an extensive library of internet connectivity tools. We support a variety of protocols including FTP, HTTP, SMTP, IMAP and POP3, supported by a robust MIME framework.

Security - SSL
An extensive security library includes implementation of a number of cryptographic algorithms (MD5, SHA, DES, AES, RSA, DSA, DH, etc.) as well as higher-level mechanisms like password-based cryptography (PKCS#5), standard secure private key storage (PKCS#8) or public key certificates (X.509). Many of these standards are supported by a flexible ASN.1 marshaling framework. A complete implementation of SSL protocol is used to secure other protocols like HTTP (HTTPS) or various mail protocols.

The Added Value of ObjectStudio 8
ObjectStudio 8 is the next generation of ObjectStudio, based on the VisualWorks development environment. This powerful combination of application development technologies allows users to leverage the range of valuable VisualWorks capabilities while still enjoying state-of-the-art ObjectStudio features. Despite the addition of new capabilities, ObjectStudio 8 maintains the same look and feel as the original ObjectStudio and all of the highly prized features, such as Windows integration and connectivity with databases and legacy applications. Source code developed in ObjectStudio can be used in ObjectStudio 8 with a few modifications, and users with existing ObjectStudio applications can make modifications in ObjectStudio 8 using all of the VisualWorks functionality. Conversely, VisualWorks users now have access to ObjectStudio advantages such as connectivity, native Windows GUI and object relationships that can be arranged graphically, without coding. Simply make changes to the model and then let the modeling tool generate the code automatically.

Grab it. Try it. Fall in love with it.
Unparalleled productivity, the best tools for supporting methodologies like XP (extreme programming) and worldwide support from Cincom. You simply can't go wrong by choosing Cincom Smalltalk. To try it for yourself, simply visit www.cincomsmalltalk.com.