PRODUCT OVERVIEW

With Cincom Smalltalk you can:

Increase developers' productivity by:

- enabling programmers to solve problems quicker and with less code (with one-third to one-half of the code required of a C++/Java™ programmer).
- providing a consistent and compact language (only five reserved words) that is simple to learn and use.

Meet customer demands by:

- enabling faster development cycles.
- generating large-scale, industrial-strength applications.
- creating robust technology and development platforms that match the demands of enterprise-wide development.

Reduce costs by:

- improving efficiency through optimized use of object technology.
- simplifying development efforts with a graphical toolset.
- minimizing the need for training with easy-to-use tools.

Client Results

JPMorgan Chase

- The Smalltalk-developed Kapital system has enabled JPMorgan to be a market leader.
- JPMorgan estimates that Smalltalk is three times more productive than other languages, which allows them to consistently beat the competition.

Penn State University

- Substantial savings in administrative expenses, and a tremendous load taken off the University staff.
- The creation of an application from the ground up, in one complete graphical environment that is automatically deployable on the web.
- Rapid development and the ability to continually expand the system through component reuse.

Key Technology, Inc.

- Employees are at least two to three times more productive.
- Improved time-to-market.
- Since implementing VisualWorks®, Key Technology has met every deadline on time and within budget.

Cincom Smalltalk™

Speed Up Your Development

Cincom Smalltalk is an easy-to-learn and easy-to-use object-oriented application development environment for creating and maintaining portable, cross-platform business applications. Developers using Cincom Smalltalk can develop on their favorite platform and then deploy to any other platform with no changes. Platforms supported include standard Windows®, Mac® and UNIX® workstations and servers and Linux®. Cincom Smalltalk is also available on mobile platforms like Windows CE, Windows Mobile for Pocket PC and Windows XP® Tablet PC Edition.

Research has proven that Smalltalk programmers can solve a given problem faster, needing only one-half to one-third of the code required by programmers using other languages (Linea Engineering Study). In essence, software developers can build applications quickly and efficiently when using Cincom Smalltalk.

Cincom®

SIMPLIFICATION THROUGH INNOVATION™

High Value

With Cincom Smalltalk, developers can develop, test and deploy applications in a fraction of the time required by other application development environments. Through the use of code browsing, live debugging and inspection tools, Cincom Smalltalk allows them to search, inspect, debug and test their entire application in seconds, "on the fly" and in real time. Applications can be updated quickly and easily, without requiring a full redeployment. With Cincom Smalltalk, developmental changes and additions can be made simply and effortlessly even in the most complex applications. In addition, Cincom Smalltalk's extensible and scalable environment allows applications to expand as your organization's needs grow.

Low Cost

Application developers can quickly build client-based, server-based and web-enabled applications that are immediately ready to interoperate with existing tools. And these applications will run on any of the supported platforms, including mobile devices, without any modification to the Smalltalk code. Development requires one-third to one-half the number of developers required by Java or .NET. With Cincom Smalltalk, you can extend the life cycle of business applications with reusable components and easy-to-use maintenance tools, thus minimizing the cost of re-coding new applications or maintaining existing applications. In fact, it often requires only half the number of developers to maintain an application than it took to develop it. In addition, the cost of training and education is dramatically minimized due to the easy-to-learn Smalltalk language of only five reserved words.

Rapid ROI

Cincom Smalltalk is a true, object-oriented programming language. But it is much more, because it is also integrated with a suite of productivity-enhancing developer tools. It is a very easy language to learn, and this is particularly important if you need to quickly move legacy programmers to the object-oriented world. The Cincom Smalltalk application development

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environment was developed with one goal in mind — increasing productivity. It is an extremely agile and productive system for the development of applications, providing significant productivity capabilities. This allows developers to bring their products to market much faster than with traditional development tools. As such, IT management can quickly reduce any backlog of requests for applications with Cincom Smalltalk-based information systems.

Low Risk

Cincom Smalltalk applications are portable across many different platforms including Windows (95/98/ME/NT/2000/XP/Windows Server 2003/CE 4), Mac OS 9, Mac OS X, Linux (x86, PPC, SPARC), AIX®, SGI® IRIX®, HP-UX and Solaris™, delivering a true write-once, deploy-anywhere environment. In addition, Cincom Smalltalk offers full support for all the relevant communication and interoperability standards, such as XML, SOAP, WSDL and Web Services. Cincom Smalltalk applications can seamlessly be integrated with legacy and desktop environments and current applications with minimal risk. And, with Cincom Smalltalk, changes can be made easily at any point in the development cycle without impacting delivery dates. Due to the flexible nature of Cincom Smalltalk, developers can make a change in one place, and have it universally applied throughout the entire application in real time.

Application Development Environments

The Cincom Smalltalk product suite consists of two development environments: VisualWorks and ObjectStudio®.

VisualWorks Environment

The VisualWorks suite is the preferred solution for building instantly portable server, web-based and client/server applications. With connectivity to all major relational databases, object databases, and internet standard protocols, VisualWorks offers a complete solution for Windows (95/98/ME/NT/2000/XP/ Windows Server 2003/CE 4), Mac OS 9, Mac OS X, Linux (x86, PPC, SPARC), AIX, SGI IRIX, HP-UX and Solaris and mobile platforms. With the most highly respected, high-performance virtual machine architecture, VisualWorks is the preferred choice for internet development. The VisualWorks Web Toolkit provides an industry-standard API for developing web applications. Developers can use standard ASP/JSP tags – as they would when developing for Java or Microsoft® technologies – and use the Web Toolkit to build a Smalltalk back end. This leverages the large number of web designers and allows Smalltalk developers to build scalable websites.

ObjectStudio Environment

For Windows developers, ObjectStudio is a full end-to-end analysis, design and development environment. Providing complete access to all standard Windows services (COM, ODBC), ObjectStudio allows developers of native Windows applications to provide a complete solution. ObjectStudio is unique in providing integrated object modeling and object mapping within a single development environment. For companies needing to build business applications that cleanly fold into a Microsoft-centric application, ObjectStudio is an excellent choice.