Windows • Mac • Unix • Linux

Which Platform will preserve my development investment?

How much will it cost me to rebuild my application for another platform?

Which other platforms will it be worth porting my application to in the future?

Can you afford to choose?

The towering market dominance of Unix and IBM's AIX has been eroded by Linux in the business applications market space, and the same has happened to Windows by Mac in the PC applications market space. With this diminished dominance, can you afford to develop software for a single platform? Cross Platform *XVT* provides the most robust, stable, and flexible toolset to address the software applications market space diffusion brought about by the popularization and wide adoption of multiple platforms.
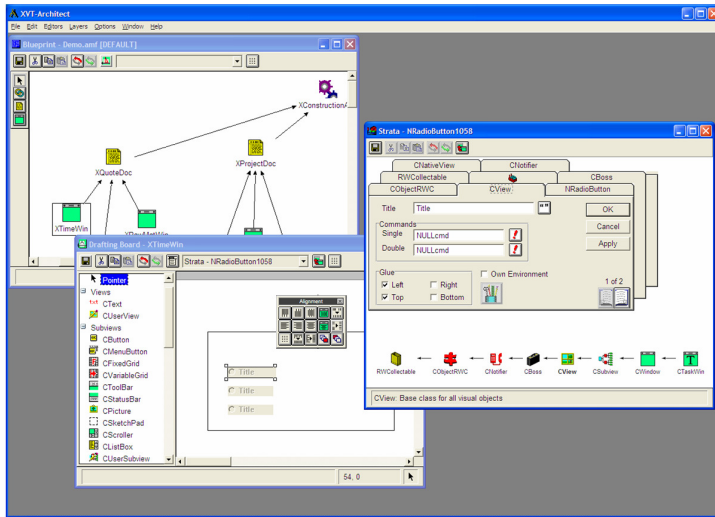
With XVT, you don't have to choose!

XVT C/C++ Development Solution provides a visual, rapid application development (RAD) framework for producing software products that can run natively on all major platforms.
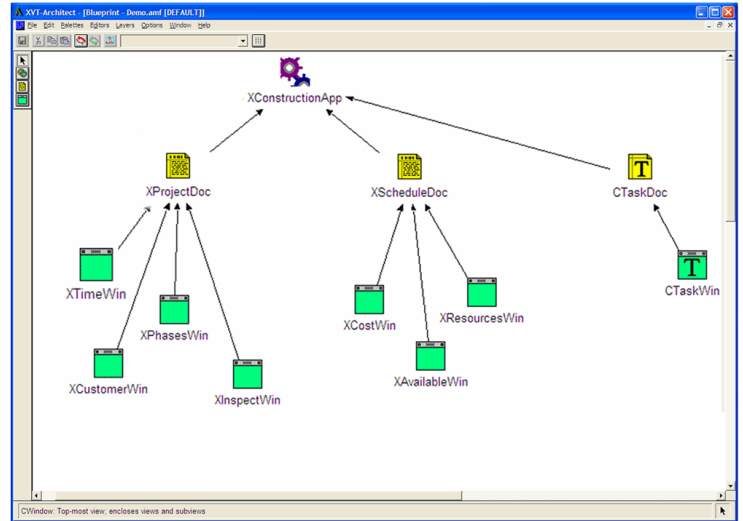
Now, a single development effort produces platform-specific, compiled applications with the speed of the native GUI. We can even provide a SaaS framework on the internet for your desktop applications.

Cross Platform Portability Solutions

XVT GUI Component Properties & Layout

XVT Project Hierarchy View

THE XVT ADVANTAGE

Lower Development Costs
With *XVT*, development efforts are spread across all deployment platforms. No need to rewrite applications for other platforms.

Leverage Programmer Expertise
Developers only need to be experts on a single platform for development.

Higher Productivity
Choose the development platform that's best for the task and maximize development throughput.

Extended Application Life
The technology independence that *XVT* offers enables applications to rapidly adapt to any market trend changes.

Focus on Business Applications
Now, programmers are able to focus on application features and not on GUI coding, platform porting issues or incorporating the latest features for any given platform.

Broader Market Access
By supporting all major platforms, an application can reach the entire market—including high demand, low competition niche platform user sales.

Time to Market
Because *XVT* is so robust, development teams can focus on solving customer problems and rapidly delivering mission critical applications.

Higher Revenues and Profits
Building an application once and porting it quickly to multiple platforms can significantly increase revenues and profits.

Certification Training
XVT certification training is available in Cary, NC or at your site. The 32 hour intensive course includes a combination of expert instruction and hands-on practice projects. Get maximum productivity, faster time to market/production, and lower development costs.
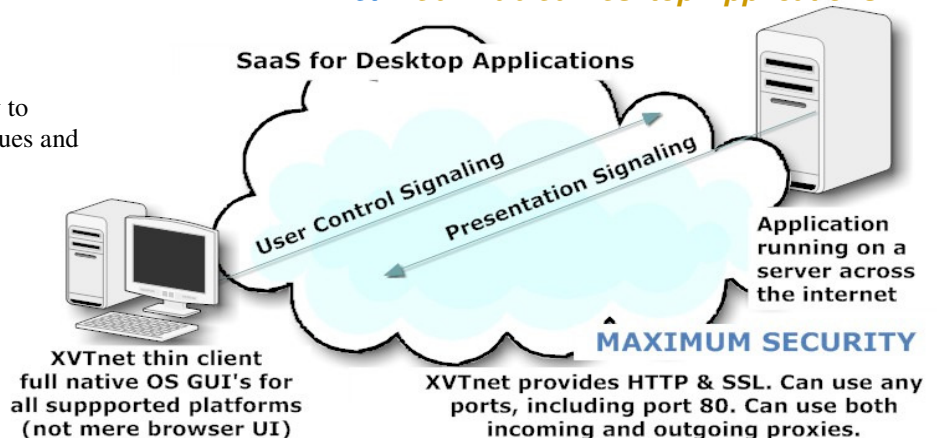
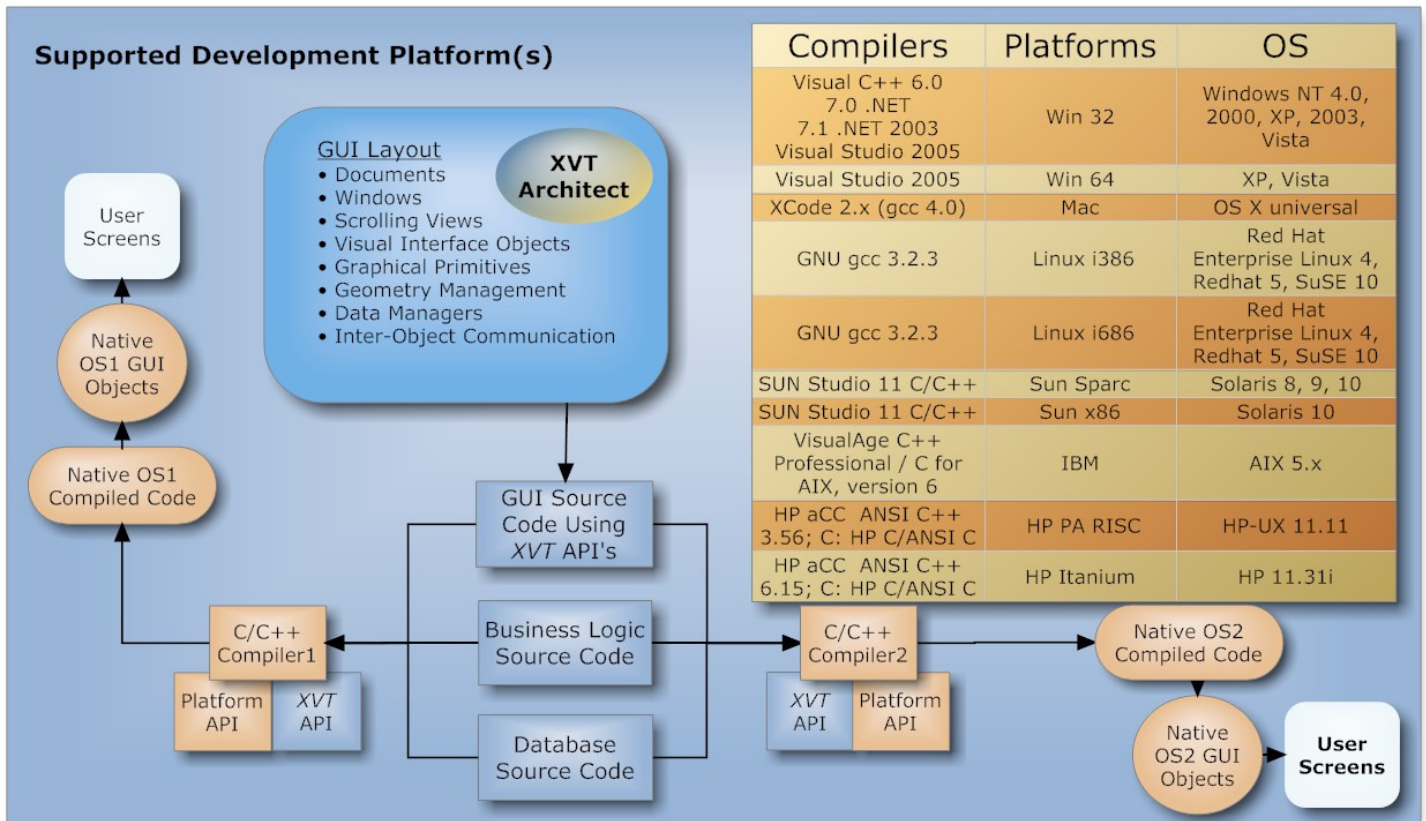# GET PLATFORM PORTABILITY, FAST

- Visual programming to foster quick learning, ease of use and faster development
- Rapid Application Development (RAD) and prototyping
- Agile development supported – frequent, functional, tested releases

DEVELOPMENT FEATURES

- Graphical editor to quickly lay out the user interface; drag & drop capability
- Customization of screen layouts for different monitors
- Automatically preserve and regenerate modifications made to the C code
- Support for native compilers on each platform; automatic code generation
- Generates platform specific makefiles
- Integration of existing or third-party development tools
- Action Code Editor (ACE) to associate callbacks with events
- Test mode support to preview an application's user interface without needing to compile & link
- Menu and string editors, object palette
- Automatic generation of all GUI code, including event handlers
- International language support (multibyte character set support)
- Modal window support
- Context sensitive on-line help support
- Help file compiler for generating native help files

NEW! XVTnet Web Enabled Desktop Applications

SaaS for Desktop Applications

User Control Signaling

Presentation Signaling

XVTnet thin client full native OS GUI's for all suppported platforms (not mere browser UI)

Application running on a server across the internet

MAXIMUM SECURITY

XVTnet provides HTTP & SSL. Can use any ports, including port 80. Can use both incoming and outgoing proxies.

Supported Development Platform(s)

Compilers	Platforms	OS
Visual C++ 6.0 7.0 .NET 7.1 .NET 2003 Visual Studio 2005	Win 32	Windows NT 4.0, 2000, XP, 2003, Vista
Visual Studio 2005	Win 64	XP, Vista
XCode 2.x (gcc 4.0)	Mac	OS X universal
GNU gcc 3.2.3	Linux i386	Red Hat Enterprise Linux 4, Redhat 5, SuSE 10
GNU gcc 3.2.3	Linux i686	Red Hat Enterprise Linux 4, Redhat 5, SuSE 10
SUN Studio 11 C/C++	Sun Sparc	Solaris 8, 9, 10
SUN Studio 11 C/C++	Sun x86	Solaris 10
VisualAge C++ Professional / C for AIX, version 6	IBM	AIX 5.x
HP aCC ANSI C++ 3.56; C: HP C/ANSI C	HP PA RISC	HP-UX 11.11
HP aCC ANSI C++ 6.15; C: HP C/ANSI C	HP Itanium	HP 11.31i

GUI Layout
- Documents
- Windows
- Scrolling Views
- Visual Interface Objects
- Graphical Primitives
- Geometry Management
- Data Managers
- Inter-Object Communication

XVT Architect

User Screens
Native OS1 GUI Objects
Native OS1 Compiled Code
GUI Source Code Using XVT API's
Business Logic Source Code
Database Source Code
C/C++ Compiler1
Platform API / XVT API
C/C++ Compiler2
XVT API / Platform API
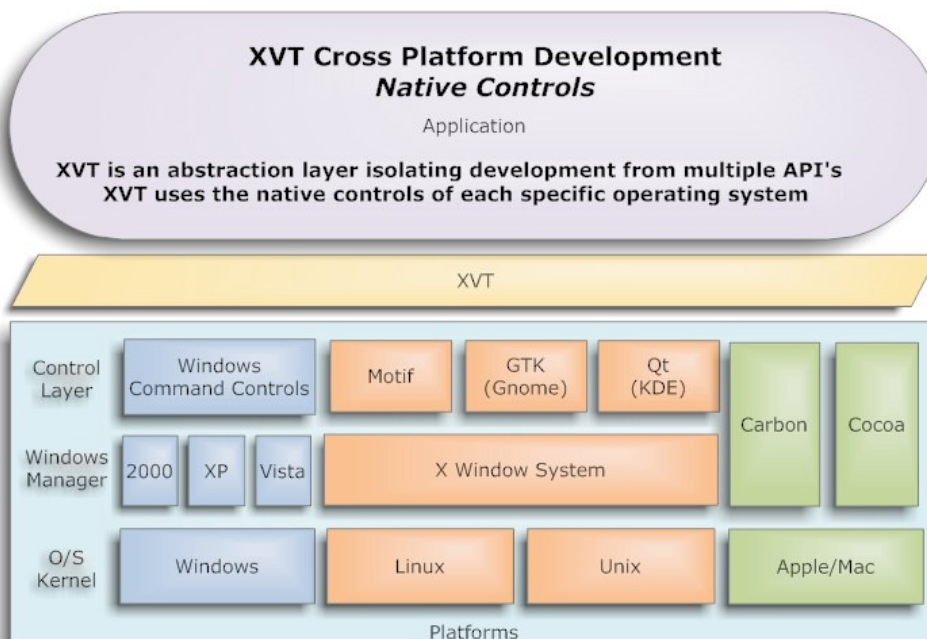Native OS2 Compiled Code
Native OS2 GUI Objects
User Screens

XVT is a proven development platform for building and deploying mission-critical, cross-platform applications. With the *XVT* Integrated Development Environment, application developers can now have true platform independence.

The *XVT* Cross Platform Development Solution for C/C++ is a framework for producing applications written in C/C++ to run on multiple platforms. Using *XVT* requires only a single development effort to produce and maintain multiple platform-specific applications with the look and feel of the native platform. And with the generated code compiled in native mode by *XVT*, developers can expect native platform performance.

XVT is not an emulator, and it does not require a runtime component. *XVT* is built to guide developers through the development process – from defining the architecture to laying out the interface to building the final application.

By using the *XVT* libraries, developers simply compile on all platforms you want your application to run on. *XVT* supports the straightforward integration of third party libraries or those created by development groups written in C/C++.

XVT supports custom controls, enabling the easy integration into the development environment to maximize encapsulated functionality.

XVT Cross Platform Development
Native Controls

Application

XVT is an abstraction layer isolating development from multiple API's
XVT uses the native controls of each specific operating system

XVT

Control Layer	Windows Command Controls	Motif	GTK (Gnome)	Qt (KDE)	Carbon	Cocoa
Windows Manager	2000 / XP / Vista	X Window System				
O/S Kernel	Windows	Linux	Unix		Apple/Mac	

Platforms

Graphical Objects
- Windows, dialogs, standard controls (push buttons, text edits, list boxes, radio buttons, scrollbars, and others), menus, toolbars, custom controls
- TreeView widget
- HTML Viewer widget
- Ability to launch Default Browser
- ODBC++
- Dovetail widgets

Perfect Portability
- Single source code portability across all supported platforms
- An API that calls native windowing system functionality so applications are both portable and native
- High performance: The thin interface layer between the *XVT* API calls and native libraries results in no degradation of performance

LEGACY MIGRATION CAPABILITIES
Preserving Software Investments

Providence Software Solutions provides a way to migrate C and C++ applications to the latest platforms with minimal risk and low cost using its *XVT* product suite.

XVT Migration

The migration process is shown in the figure to the right. For applications that were not written using the *XVT* product libraries, application migration involves:

- Maintaining existing and critical business logic (preservation of past investments)
- Replacing the visualization logic with *XVT* library calls to enable the application to run in a standalone or a client/server structure on any leading platform
- Addition of new functional enhancements

Existing XVT Applications

For existing *XVT* applications, the migration process involves:

- Upgrading the *XVT* framework to the latest release
- Addition of new functional enhancements
- Porting the application to the latest release (usually a few weeks of effort)

ABOUT PROVIDENCE SOFTWARE
The Cross Platform Portability People

Providence Software Solutions, Inc., the maker of XVT (a Cross Platform C/C++ IDE and libraries), was founded in 1997 in Cary, North Carolina, with the vision of combining technical excellence with strong client relations. Providence has proven time and again its ability to provide an advanced technology to enable its' clients to achieve their strategic business goals.

With a long-standing reputation for addressing a comprehensive cross-platform application development solution that spans 12 operating systems, Providence offers both the products and services to extend your market reach and maximize your software investment.

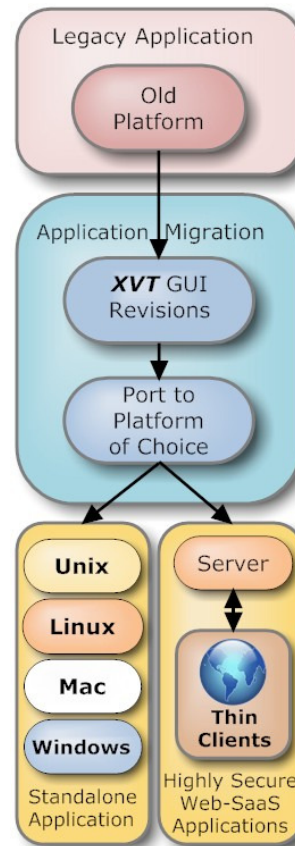## *Download your free trial today!*

www.xvt.com

PROFESSIONAL SERVICES GROUP
Extend Your Capacity with our Expertise

Our Professional Service Group (PSG) provides services to help government and commercial organizations perform legacy code migrations to XVT, implement custom software solutions or integrate heterogeneous systems together.

- C, C#, C++, Java, VB, SQL and .Net
- Mac, Windows, Unix and Linux platforms
- Tomcat, Apache, TCP/IP, SSL, SOCKS, PHP, UDP, IIS
- Oracle, MySql, SQL Server, Sybase
- Perl, AppleScript, Bash Unix shell, VB script
- SLC, RUP, CMM, OOA/OOD, UML

Providence stands behind the software it delivers with a wide variety of support and maintenance options.

PARTIAL CLIENT LIST
XVT's 19,000 customers worldwide include:

Aviation/Aerospace
Boeing
Lockheed Martin
Northrup Grumman
Southwest Airlines

Chemical & Pharmaceuticals
Accelrys
Eastman Chemical

Communications & Media
Acquire Media
Adelphia
AT&T

Government
Department of Defense
National Hurricane Center
Naval Research Lab
US Dept of Agriculture

Higher Education
UC Berkeley
University of Dresden
University of Florida

Insurance
Allstate Insurance
Nationwide Insurance

Manufacturing
Caterpillar
Fisher-Rosemount System, Inc.

Services
Cendant
EDS
IBM
Merriam-Webster

Technology
ExxonMobil Upstream Research
I2 Technologies
Motorola ISG
Pegasystems
Volvo Information Technology

Utilities
Fischer-Uhrig Engineering
NCR Petrol Management Systems
San Diego Gas & Electric

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