

SCO XVision

Features:

- Transparent PC X server for Microsoft® Windows®
- Available for Microsoft Windows 3.1, Windows NT™ and Windows 95
- Microsoft 32-bit TCP/IP (VxD) stack bundled with additional support for major TCP/IP products
- 32-bit performance with automatic configuration to your individual PC and network set-up
- Intelligent installation process requires minimal input from user
- Network verification process checks underlying network layer to ensure a robust and resilient environment ready for immediate use

Benefits:

- Users become more productive as X applications and data are accessed as easily as PC applications
- Delivers a transparent interface to X for end-users, decreasing cost of ownership through reduced training requirement and support load
- Delivers distributed X applications at performance levels usually associated with local applications
- Leverages users' existing Microsoft skills due to our 100% Microsoft compatible design philosophy
- Guaranteed investment protection with an easy upgrade for all Microsoft Windows environments (Windows 3.1, Windows NT and Windows 95) in a single box with optimization upon installation



SCO XVision™ solutions deliver transparent access to X applications from Windows 3.1, Windows NT and Windows 95 environments

Windows to UNIX Integration Whichever UNIX Server You Use

The SCO® Vision Family of powerful and extensible Windows to UNIX® integration products delivers completely transparent access to multi-platform UNIX servers from Microsoft Windows. This tightly integrated set of products gives you the best of both worlds – the reliability and scalability of UNIX systems and the plug 'n' play ease of use of Microsoft Windows. The SCO Vision Family makes the UNIX platform the perfect server for Microsoft Windows and makes Windows a perfect UNIX client.

SCO XVision – The Transparent PC X Server

Over the past decade, the PC industry has delivered innovative, cost-effective products that have made the personal computer a widely-used tool both in the office and at home. Organizations are now ready to acknowledge that the Windows desktop has made their business more efficient and professional.

So many organizations have vital information and applications stored on isolated UNIX servers. Users need to access this information using the latest X applications without the inherent complexity of UNIX systems. Yet, until now, no one has been able to transparently allow access to the business critical applications and information residing on the UNIX servers that are the backbone of today's modern organizations.



SCO XVision

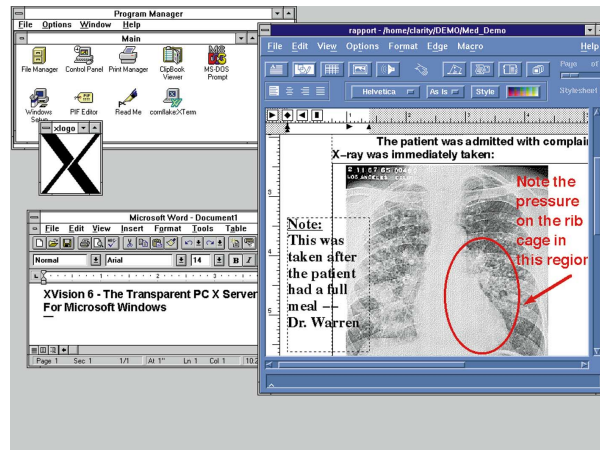
SCO XVision is the world's first transparent PC X Server – designed so that all you see is Microsoft Windows. Using a transparent interface, XVision can reduce the cost of ownership of a PC X Server through a decreased requirement for training and support. Users can simply use UNIX and Windows applications side-by-side without even knowing it.

The Vision Family's design philosophy is 100% Microsoft, with SCO XVision running exclusively on Windows 3.1, Windows NT and Windows 95 today. Our focus on Microsoft means it has never been easier to protect your organisation's investment in the computing infrastructure between any of the Microsoft operating environments and UNIX systems. We have also made it easier for our users by packaging SCO XVision as three products in one box (for Windows 3.1, Windows NT and Windows 95) optimizing and tailoring for each environment on installation.

Transparency

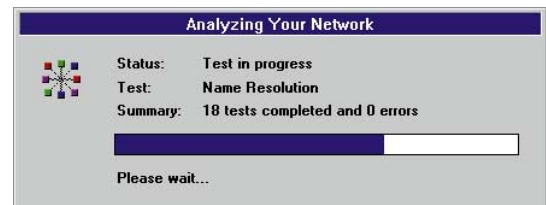
X Subsystem

Using a revolutionary new approach, SCO XVision provides an XWindows sub-system for Microsoft Windows. Users benefit from an increase in productivity by accessing graphical UNIX applications and data as if they were PC applications, without having to worry about underlying technologies.



Running UNIX and Windows applications side-by-side is transparent to the user.

The XVision diagnostic tool rigorously tests the network environment with a series of comprehensive tests.



Intelligent Installation

Within any organization there are many different PC and network configurations. SCO XVision works with you to easily and quickly install your PC X Server environment by dynamically discovering the users computing environment without bothering them. From the PC name through to automatic host discovery, SCO XVision intelligently interrogates the system so that it is optimally configured with minimal involvement from the user. Users have the choice to install SCO XVision directly on each PC or centrally on a file server at the push of a button.

Network Verification

Connecting PCs to network environments has always been complex. To make this easier, XVision includes a diagnostics tool which runs a verification process during installation. The user can then be sure that the environment is resilient and ready for immediate use.

“Our research on X Server and X terminal product support, indicates that more than 85% of all problems reported resulted from network and system issues, not the X Server or X terminal itself.”

Stephen Auditore, X Business Group

Performance

SCO XVision is fine tuned to deliver distributed applications at performance levels usually associated with local applications. This ensures a truly transparent PC X Server.

32-bit Architecture

Today's desktop PCs are powered by 32-bit processors while being hindered by 16-bit software. SCO XVision unleashes the full power of your hardware using the latest emerging 32-bit Microsoft-endorsed technologies and standards.

Network Support

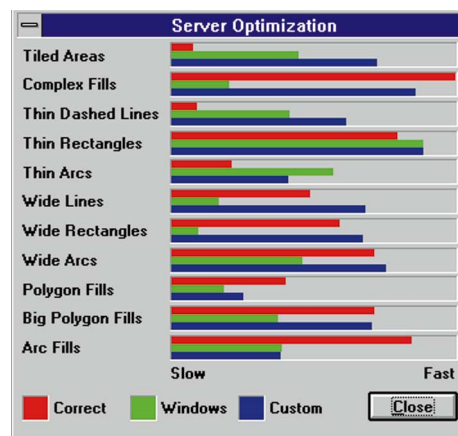
Microsoft TCP/IP stack is bundled with SCO XVision. This 32-bit implementation coupled with a VxD architecture ensures optimum network performance.

Display Adaptor

Different PCs use different display adaptors with varying capabilities. XVision optimizes itself for each individual PC by intelligently interrogating the adaptor's capabilities and configuring itself accordingly. This enhanced graphics server optimization ensures optimum screen drawing performance.

Demand Loaded DLLs

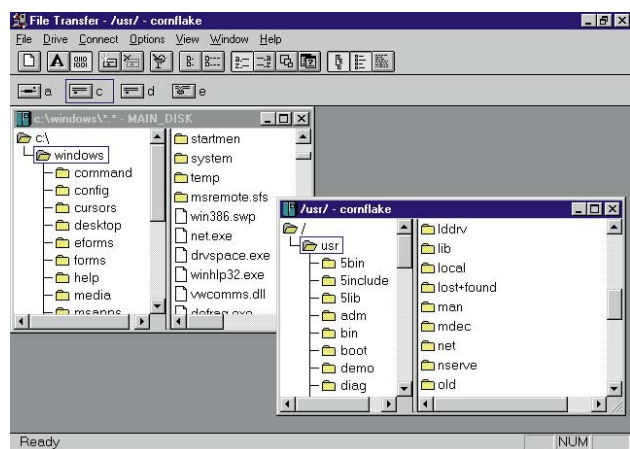
To maximize start-up and running performance and to minimize load on system resources, SCO XVision only loads dynamic link libraries (DLLs) as and when required.



For each individual PC, the SCO XVision graphics server optimizer ensures maximum performance.

No-Compromise Windows

XVision expands your computing environment to the whole organizational computing infrastructure. Because SCO XVision works exclusively on Windows (3.1, NT and Windows '95) our design philosophy is 100% Microsoft, in step with the latest and emerging technologies and standards. In introducing UNIX into the Windows world, the SCO Vision Family has adopted styles and concepts that Windows users are familiar with and have widely accepted.



XVision extends the Microsoft Windows File Manager through the UNIX file system.

SCO XVision File Manager

To manage documents and data in BOTH your UNIX and Windows environments the Microsoft File Manager concept is extended by providing the SCO XVision File Manager. Full drag and drop facilities can now include access to your UNIX data and documents.

SCO XVision Control Panel

For setting and modifying the user environment, Windows uses a control panel interface. SCO XVision extends the control panel interface out to the X environment so that a user can easily make modifications with an interface they are familiar with.

SCO XVision Desktop

The Windows user is familiar with launching applications by double-clicking on icons. SCO XVision allows you to do exactly the same with X applications by configuring them within the XVision desktop. X applications can then be launched directly from the

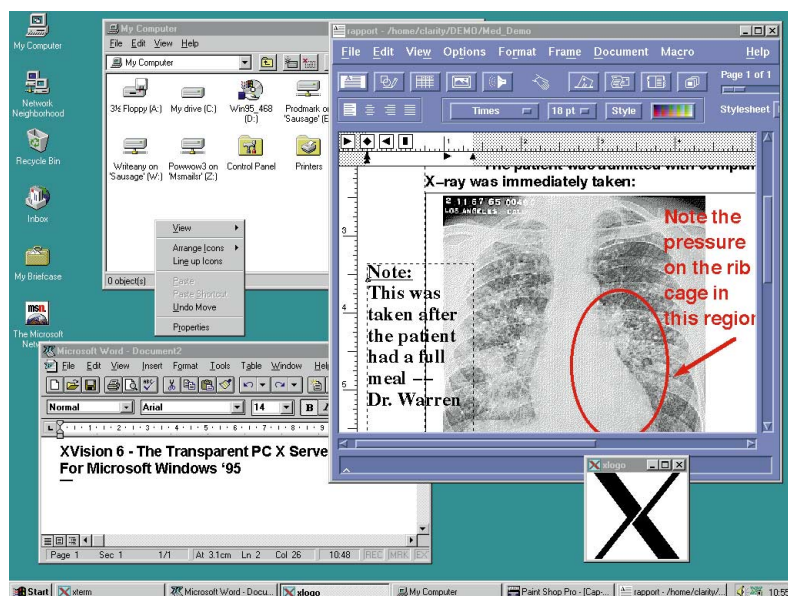
XVision desktop or deployed onto the usual Windows desktop such as the Program Manager or Microsoft Office Manager, delivering a transparent computing environment.

Standard Window Manager

Through a deep understanding of the Microsoft environment we have extended the standard Windows Window Manager into the world of X Windows. Users simply restore, resize and close X applications as if they were Microsoft applications.

Technology Leadership

SCO XVision has always been a leader in the field of new developments. In 1989 SCO XVision was the first PC X Server for the Microsoft Windows environment. With SCO XVision the guiding principle has been to harness great technological improvements and translate them into practical benefits, available to everyone.



SCO XVision is optimized to run transparently under Windows'95

Network Audio Server

XVision now accommodates multi-media X applications with the inclusion of the Network Audio Server. Play your multi-media extracts within your X application from your PC desktop using the standard Microsoft Windows audio support.

Win32s Subsystem

The latest Microsoft Windows Win32s® subsystem is bundled with XVision. It is then available for all Win32® applications.

Windows '95

SCO XVision runs today on Windows '95 as a native 32-bit application! Fully utilizing the architecture of Windows '95, X applications may exist on your Windows '95 Desktop or can be started as usual via the Task Bar.

X Image Extension

Increasingly X Windows is being used for image processing applications. To aid these applications the X image extension aids powerful image manipulation. SCO XVision includes the X Image Extension for such applications.

X11R6

SCO XVision was the first X11R6 PC X Server and the first to communicate with hosts over high-speed serial connections.

TECHNICAL SPECIFICATIONS

Server

- 32-bit architecture
- Unique sub-system approach
- X11R6 compliant
- Backing store/save under support
- XIE, XTEST and SHAPE extensions
- Plane mask support
- National language support

Intelligent Installation

- Microsoft style setup and installation
- “Don’t ask if you can discover” design results in minimal user interaction
- Automatically detects underlying network implementation
- Automatic host discovery
- Verifies network layer for X server usage
- Automatically configures X server for optimal display adaptor performance
- Produces “ready to run” application objects on Program Manager
- Automatically configures XVision Desktop

Starting X Clients

- Use standard Windows launch mechanisms such as Program Manager or Microsoft Office Manager
- X Program Starter (settings can be saved as .xps files)
- Drag-and-drop mechanism on XVision Desktop
- Root menu mechanism
- Floating mouse menu mechanisms (right hand mouse button)
- XDMCP (direct, indirect or broadcast)
- Up to 32 concurrent X sessions (dependent on network layer)

Desktop

- Single workspace from which to configure and launch X, text-based UNIX, Windows and DOS applications
- Iconic ‘Control Panel’ for configuring the server
- Can be used for starting applications
- Automatic application Start-Up group
- Uses Multiple Document Interface (MDI) style for efficient and logical grouping of applications
- Includes icons for local and remote applications
- ‘Copy to Program Manager’ feature

Fonts

- Automatic and interactive font substitution
- MIT 75dpi, 100dpi, HP, Andrew and Oriental fonts supplied
- Open Look and DEC font alias files are supplied
- Font conversion from .pcf to .fon formats and from .bdf to .pcf formats (support for larger fonts over 64K)
- 32-bit font compiler
- A broad range of compiled fonts is included
- Support for True-Type and Adobe fonts
- Support for fonts provided by a font server

Colors

- Support for all X visual color classes including 24-bit color

Security

- XDMCP including MIT-MAGIC-COOKIE-1, and XDM-AUTHORIZATION-1
- Host Access Control
- User Access Control

Graphics

- The Graphics Speed Optimizer tunes each PC to use most efficient drawing methods
- Pixel-perfect drawing mode
- Microsoft Windows drawing mode
- ‘Custom’ drawing mode (optimized Microsoft Windows mode)

Copy-and-Paste

- Automatic (X) mode
- Microsoft Windows mode
- Text and graphics support

Window Management

- Host window manager (e.g. OSF/Motif®, Open Look) or local window manager (using Microsoft Windows) for controlling X clients
- Local window manager supports Motif hints
- Virtual root window control
- Automatic view panning (for virtual displays larger than the PC screen)
- Focus mode control
- Middle mouse button emulation
- Large icon support

Audio Support

- Support for multi-media applications through provision of a Network Audio Server
- Uses standard Microsoft Waveform Audio Services

Terminal Emulation

- VT320 and VT220 terminal emulation (decreased host load for text-based sessions) including 132-column mode
- DDE support
- Color extensions
- Keyboard map emulator
- Dynamic keymap support
- Scroll bar option
- Geometry control
- Scalable and fixed font support
- Auto tracking feature
- ‘Flash on input’ feature

File Transfer

- File Manager style drag-and-drop interface
- PC-to-host, host-to-host, host-to-PC transfers
- Text and binary files
- Recursive directory transfers

Wildcard Support

- 'Confirm on replace' option
- 'Notify on completion' option
- Batch mode transfers
- Over TCP/IP and serial lines

Local Printing

- Network print server for BSD UNIX print systems
- Uses Microsoft Windows Print Manager

SCO UnixWare Compatibility

- Full support for Novell® IPX/SPX™ and TCP/IP connections
- SCO UnixWare® Application Advertising support

Keyboards

- Support for 13 national languages
- Local X keyboard map generator
- Standard keyboard map support
- Keyboard maps for LK250 101/102 supplied
- Keyboard maps for AIX systems

Communications

- Includes Microsoft 32-bit VxD TCP/IP
- Automatic detection of installed network and loading of appropriate drivers
- Install time network layer verification
- Network testing tool
- Support for multiple concurrent protocol sessions
- Connections scripting language
- Network activity monitor
- Telnet, rsh, rlogin, and rexec compatibility
- PCX\$SERVER, STARTEXODUS, STARTLOGIN

Protocols supported:

- TCP/IP
- XRemote®, PPP and SLIP support for serial line support
- Novell IPX/SPX
- DECnet support through Digital
- PATHWORKS for DOS (DECnet)

TCP/IP transports supported:

- Microsoft Windows Socket Interface (WinSock)
- 3Com TCP (3+ Open)
- Beame and Whiteside TCP/IP
- Digital PATHWORKS for DOS (TCP/IP)
- Excelan LAN WorkPlace
- FTP PC/TCP
- Frontier Technologies SuperTCP

- Hewlett-Packard® ARPA services
- ICL TCP/IP for DOS
- Lotus® TCP/IP for DOS
- Microsoft Lan Manager TCP/IP
- NetManage Newt
- Novell LAN WorkPlace for DOS
- Reflection Network Series TCP Connection
- Sun PC-NFS
- Ungermann-Bass NET/One TCP-PC
- Wollongong PathWay Access for DOS
- Wollongong WIN/TCP for DOS

System Requirements

- IBM®-compatible PC or PS/2® (at least 386) with MS-DOS 3.0 or later and Microsoft Windows 3.1 or later; Microsoft Windows for Workgroups, Windows '95 or Windows NT
- 1.44Mb, 3.5" disk drive or CD-ROM
- Minimum 4Mb RAM
- Average disk installation 10Mb

Europe, Middle East and Africa Headquarters

Croxley Business Park,
Hatters Lane,
Watford
WD1 8YN
United Kingdom
+44 (0)1923 816344
Fax: +44 (0)1923 813808
E-mail: info@sco.com
World Wide Web URL:
<http://www.sco.com>

Corporate & Americas Headquarters

400 Encinal Street, P.O. Box 1900
Santa Cruz, California 95061-1900
Sales and info:
(800) SCO UNIX (726-8649)
+1 (408) 425-7222
FAX: +1 (408) 458-4227
E-mail: info@sco.com
World Wide Web URL:
<http://www.sco.com>

SCO Deutschland
Bad Homburg v.d.H. +49 6172 48670
München +49 89 5707 674
SCO Eastern Europe and Central Asia
Düsseldorf, Germany +49 211 57 6841
SCO España
Madrid +34 1 555 6880
SCO France
Issy-les-Moulineaux +33 1 41 90 2400
SCO Italia
Cassina de Pecchi, Milano +39 2 95301383
SCO Middle East
Dubai, U.A.E. +971 (0) 4313 712
SCO Netherlands
Zeewolde +31 36 5226979
SCO Nordic
Holte, Denmark +45 42425775
SCO South Africa
Johannesburg +27 11 465 7025
SCO Sweden
Stockholm +46 8 347 560

SCO UK
Cambridge +44 (0) 1223 518000
Heathrow +44 (0) 1923 816344
Leeds +44 (0) 113 251 2000
SCO Pacific Rim
Singapore 0316 +65 536 6606
SCO Australia
North Sydney NSW +61 29966 1999
SCO China
Beijing +8610 841 2211
SCO Japan
Meguro-ku, Tokyo +81 3 5453 0963
SCO North Asia
Hong Kong +852 2882 7377

