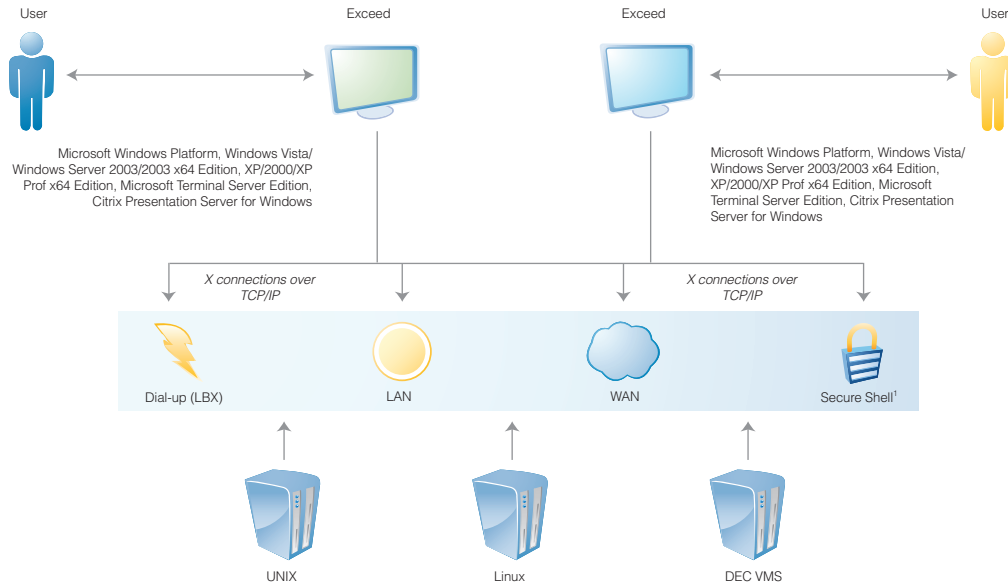# Exceed® 2008

Exceed® is the most secure and popular PC X server in the market. It allows users to cost-effectively connect powerful Microsoft® Windows® desktops to a wide variety of X Window enabled servers, and access high-end X applications.

User — Exceed

Microsoft Windows Platform, Windows Vista/Windows Server 2003/2003 x64 Edition, XP/2000/XP Prof x64 Edition, Microsoft Terminal Server Edition, Citrix Presentation Server for Windows

Exceed — User

Microsoft Windows Platform, Windows Vista/Windows Server 2003/2003 x64 Edition, XP/2000/XP Prof x64 Edition, Microsoft Terminal Server Edition, Citrix Presentation Server for Windows

X connections over TCP/IP

X connections over TCP/IP

Dial-up (LBX)   LAN   WAN   Secure Shell[1]

UNIX   Linux   DEC VMS

Exceed® is renowned for its performance, stability and user-friendliness. Integrated with a powerful terminal emulation package — HostExplorer,® and the optional security suite — Connectivity Secure Shell,™ Exceed is the most versatile Enterprise Connectivity software available.

Supported X Extensions

Supported X Extensions						
BIG-REQUESTS	Composite	DAMAGE	DOUBLE-BUFFER	Extended-Visual-Info	GLX[2]	MIT-SHM
RANDR	RECORD	RENDER	SECURITY	SHAPE	SYNC	TOG_CUP
XC_APPGROUP	XEVIE	XFIXES	XInputExtentision	Xinerama	XKEYBOARD	X-Resource
XTEST	XVideo					

Note 2 – Requires Exceed 3D

Security Options

Security Options			
Advanced Host Access Control List	User Access Control List with MIT-MAGIC-COOKIE or XDK-AUTHORIZATION-1	Trusted/Untrusted Client Access	Xweb™ Security Policy
Secure Shell 2 support through the optional security package Connectivity Secure Shell™ 2008	Support SSL and Kerberos		Two Factor Authentication through ActivCard
SmartCard support			

Certification
- Certified for Microsoft Windows Vista

X Server
- Native 64-bit support for Microsoft Windows x64 family and Windows Vista
- Support for X11R7.2
- Publishes X applications using Xweb Wizard
- True Color Desktop sharing feature
- Interactive support for password aging events
- Local X support – X clients, Window Management, Font RGB, XRDB, Xtrace
- Extensive Server Visual and multiple color depths Support
- Support advanced input devices including SpaceBall 5000 and SpacePilot
- Support for local and remote window managers
- Double Byte Character Set Support
- Multiple monitors and screens support – Up to 8 screens
- Remember session information for speedy restart
- Advanced Virtual Desktop
- Support up to 254 X clients per session

Security
- Secure Shell 2 support through the optional security package Connectivity Secure Shell™ 2008
- Advanced Host- and Client- based security
- Support smart card solutions from ActivCard,® Axalto™ and SafeNet® Inc.
- Support for SSL v2/3 & TLS and Kerberos v4/5

Font Support
- Support for Unicode and TrueType Font encodings
- Support .enc font encoding
- X11R5 RS/X11R6 Font Servers
- Automatic Font substitution and Font Server reconnection

Deployment
- Support for multiple profile locations
- Support for LDAP corporate directories
- Microsoft Windows Installer Technology (MSI) – Support Advertised Installation and Local installation cache
- Integrated tool to customize MSI packages (SMS compatible)
- Support Roaming Profiles

Startup & Client Launching
- XDMCP (query, Indirect, Broadcast), Passive
- REXEC, RLOGIN, RSH, TELNET HRPS, PCXServer, Secure Shell[1]

Note 1 – Requires Connectivity Secure Shell 2008

2008

- **Certified for Windows Vista:** Exceed is independently and rigorously tested for compatibility, functionality and reliability on Windows Vista-based PC's. It takes advantage of features in Windows Vista to deliver excellent performance, ease of use, and the best experience possible. This logo also ensures Exceed is compatible with 32-bit and 64-bit editions of Windows Vista.

- **Integrated Security:** The support for SSL and Kerberos security mechanism now comes standard with Exceed without requiring installation of additional packages. It simplifies the deployment of the software, and ultimately allows Exceed to adhere to the corporate security standards without the extra administrative overhead.

2007

- **Multiple Profile Space:** allows organizations to manage multiple locations to store profiles and connection settings. Storage locations include local drives, remote file systems or LDAP directories. User access rights are enforced through a seamless integration with Microsoft Windows ACLs or LDAP ACLs.
- **X11R7.1:** is the latest X window system released by X.Org Foundation and Exceed® is the first in the industry that supports it.

- **Integration with Hummingbird Neighborhood:** Hummingbird Neighborhood is the new command centre where users can connect to any host in their organization using X, Telnet, TN3270, TN5250 or FTP protocols.
- **Non-X Window Support in Virtual Desktop:** Work smarter with the new virtual desktop, which can manage both Microsoft and X window applications easily.
- **Advanced Display Number Control:** helps administrators control the usage of static and dynamic display numbers in Citrix or Microsoft Terminal Services environments.

2006

- **Support for X11R6.8:** supports the latest X Window system release, from X.Org Foundation. Improve visual presentation of X Windows Desktops.
- **Project Looking Glass:** provides access to the revolutionary 3D windowing environment developed by Sun.®
- **Support for Windows x64 Family:** ready for the new 64-bit era with support for the new Microsoft Windows x64 family.

- **Enhanced Unicode support:** with more than 300 fonts in Unicode and TrueType font encoding have been added.
- **Full Support for IPv6:** Exceed and all major components support IPv6.

10.X

- **Xweb Wizard:** guides users step-by-step to create Web pages that launch X applications either embedded in Web browsers or in stand-alone form.
- **Exceed Connection Manager:** a new and powerful application that provides users a single point of access to all Exceed-related configuration files.
- **Desktop Sharing:** instantly adds collaborative capability to any X application without any modification to the X application.

- **SmartCard® Manager:** Exceed 10 now supports SmartCard solutions from Axalto and Rainbow Technologies Inc. An additional companion application allows users to load or store the credentials to the SmartCard devices.
- **Xstart and Xsession Redesign:** Simpler, sleeker and slimmer! The new Xstart and Xsession user interfaces are easier and more intuitive to use.

9.X

- **Connectivity Secure Shell:** boosts security with Secure Shell 2 support in Exceed. This add-on can also be used with HostExplorer.®
- **ActivCard Support:** Exceed is the first PC X server vendor in the industry to support the proprietary ActivCard API, giving users the ability to use smart cards to authenticate and gain access to the hosts that are protected by ActivCard technology.
- **MSAA Support:** means Exceed can give visually impaired users the capability to "read" the X display using MSAA compliant screen reading applications.

- **License Management:** The Hummingbird Metering server allows administrators to obtain accurate reporting on their installed Hummingbird Connectivity™ licenses.
- **VPN and NAT Support:** the new IP Discovery Service (IPDisCov) can automatically discover the "true" IP addresses that are used by the VPN client or masked by the NAT configuration.

System Requirements

- **Operating Systems:** Windows Vista, Windows XP SP2, Windows XP x64 Edition, Windows 2000 SP4, Windows Server 2003, Windows Server 2003 x64 Edition, Windows Terminal Server Edition, Citrix® Presentation Server™ for Windows platforms and Windows XP Tablet PC Edition
- **System Requirements:** Hard Drive space for typical installation: 94 MB

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CERTIFIED FOR
Windows
Vista™

**Hummingbird®
Connectivity**
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