

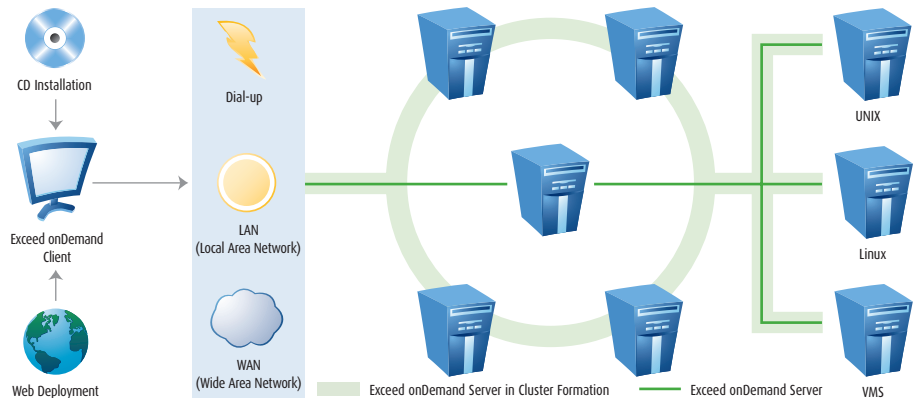


Exceed onDemand® 5.1

Exceed onDemand® is the most powerful and complete ultra-thin, server-based PC X server in the market sharing the same roots as the award-winning PC X server — Hummingbird Exceed®. Exceed onDemand securely connects you to 2D and 3D X applications over any type of network connection making it a suitable solution for mobile workers. Exceed onDemand delivers unprecedented value in scalability, manageability, security and productivity, providing you the mobile functionality and performance you expect and desire.

Features and Benefits

- > **X11R6.8** — Supports the latest X Window release from X.Org Foundation
- > **Cluster Computing** — Exceed onDemand scales with your business
- > **Automatic Cluster Failover** — Eliminates single point of failure in a cluster
- > **Load Balancing** — Improves resource usage
- > **License Pooling** — Many servers, one pool of licenses
- > **Ultra Low Bandwidth Usage** — Up to 100 times more efficient bandwidth usage than traditional X servers
- > **Suspend and Resume** — Pause your sessions and resume them anytime, anywhere
- > **Suspend On Disconnect** — Network connection may be lost, but not your sessions
- > **Desktop Sharing** — Share your work with co-workers, or not, it is all under your control
- > **Support of Pluggable Authentication Module (PAM)** — Plug into your enterprise authentication servers
- > **Secure Shell and SSL** — Protect your invaluable business data with the end-to-end secure communication
- > **Support of OpenGL API** — Harnesses the power of the industry's most widely used and supported 2D and 3D API
- > **Compatible with Exceed® Xstart** — Reuse your Exceed Xstart files and enjoy the new found interoperability Xstart files can be interchangeably used on Exceed and Exceed onDemand
- > **Enhanced Exceed onDemand Deployment Wizard** — A step-by-step guide to better enterprise software deployment using web browsers
- > **Windows-based Server Management Tools** — Remotely manage every aspect of your Exceed onDemand Server



Exceed onDemand Offers Low Bandwidth Usage

As a user, do you find most traditional PC X servers performing too slowly when accessing UNIX applications from remote locations? As an administrator, have you ever wondered how you can maximize the usage of the existing network bandwidth? Do you want to deploy a PC X server solution to a large number of audiences in the most cost effective way? Exceed onDemand is just the product for you! Exceed onDemand is an extremely lightweight, scalable, Thin X server designed to run on any type of network connection securely and efficiently. The bandwidth usage of Exceed onDemand is up to 100 times more efficient than a traditional PC X server. The same network infrastructure can now support more users and more connections, virtually increasing the Return on Investment and lowering the Total Cost of Ownership!

Scalable and Highly Secure

Exceed onDemand can indefinitely expand and scale to match the growth of your business as well as the increased complexity of the X applications. A cluster of Exceed onDemand Servers bounded by our proprietary clustering technology with advanced fail-over capability will allow your users to access any host and X application in your organization quickly and efficiently. Single point of entry for users and single point of management for administrators creates the ideal recipe for increased user productivity and reduced administrative overhead.

When using Exceed onDemand, you will feel confident that the data transmission is highly secure. Exceed onDemand uses Secure Sockets Layer (SSL) and Secure Shell protocols to create a secure end-to-end data path. Administrators can also configure Exceed onDemand Servers to authenticate against enterprise authentication servers thanks to Exceed onDemand's ability to work with Pluggable Authentication Module (PAM) framework. The emphasis on security and scalability makes Exceed onDemand an ideal Thin X server for your users and IT managers.

The Simplest Deployment EVER

We know how important it is for you to be able to minimize the Total Cost of Ownership and there are many ways to achieve that goal. One of them is to reduce deployment costs and the software maintenance. Exceed onDemand Client™ can be centrally and massively deployed to any PC using just a web browser. The process is completely automated without the need of user's intervention!

> What's New in Exceed onDemand®

5.1

- > **Support for X11R6.8** — supports the latest X Window System release from X.Org Foundation. Improve visual presentation of X Window desktops.
- > **Automatic Cluster Failover** — capable to switch over the managerial tasks automatically to any available nodes in the cluster upon the failure of the main node. It drastically improves the availability of the service.
- > **Unicode and TrueType Fonts Support** — improves the support for UTF-8 encoded fonts. Over 300 Unicode and TrueType fonts are added to the libraries.
- > **Render Extension** — Render extension improves digital image composition which has become a crucial part of modern UNIX and Linux desktop environments.
- > **Message Broadcast** — allows administrators to notify Exceed onDemand users on important system or service events, such as scheduled service shutdown.
- > **Enhance Logging** — additional information such as server addresses and version can be found in the log file. New log options are also available.
- > **Access Local and Remote Xstart Files** — allows users to interchangeably launch either local or remote Xstart files. Xstart files can also be easily transferred to and from Exceed onDemand Server.

5.0

- > **Cluster Enabled** — new cluster architecture allows multiple Exceed onDemand Servers running on heterogeneous platforms to programmatically group together and form a cluster. It promotes load balancing and provides centralized profiles and license storage.
- > **Crash and Resume** — keeps Exceed onDemand sessions alive on the Exceed onDemand Server in such events where either the network or the client PC becomes unavailable.
- > **Active on Suspend** — improves productivity by allowing background processing, so even when a session is suspended X applications will remain active.
- > **Support of Xstart** — Exceed-like Xstart application improves flexibility in configuring multiple profiles for a large group of users. It also promotes interoperability between Exceed onDemand and Exceed.
- > **PAM Authentication** — interacts with enterprise authentication mechanisms, such as LDAP, Kerberos and RSA through the support of Pluggable Authentication Module framework.
- > **New Cluster Manager** — Exceed onDemand Server Manager is redesigned to grant administrators with additional capabilities to remotely manage any Exceed onDemand Cluster and its nodes.
- > **New Wizard-based Deployment Package Creation** — provides step-by-step guidance in the creation and the maintenance of deployment packages.

4.5

- > **OpenGL Support** — harnesses the power of OpenGL API and brings the advanced 3D computing environment to the high-tech mobile workforce.
- > **Secure Shell Integration** — new Secure Shell Start Method can establish a secure end-to-end data path from the Exceed onDemand Client to the Exceed onDemand Server to X applications.
- > **Port Consolidation** — significantly enhances Exceed onDemand's capability to traverse firewalls while maintaining the integrity of the enterprise security infrastructure.
- > **Re-usable Proxy** — intelligently reuses existing proxies results a reduced resource usage by Exceed onDemand Server, which ultimately increases the ROI on the existing hardware investment and network infrastructure.
- > **Advanced Copy and Paste** — allows users to directly exchange text or graphical data between X and Microsoft Windows applications which leads to overall improvement on user productivity.
- > **New Project-based Deployment Package Creation** — administrators can easily and efficiently create, modify and administrate multiple deployment packages.

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- > **Desktop Sharing** — instantly adds collaborative capabilities to any X application without any modification to the application itself.
- > **Suspend and Resume** — allows users to suspend any active session and later resume it on any PC, thereby greatly improves user mobility.
- > **Multiple Window Mode** — seamlessly integrate X applications to the Microsoft® Windows® desktop resulting improvements on usability.
- > **Local Printing Support** — enables users to print directly from X applications to local or network-attached printers.
- > **Local Font Caching** — boosts overall performance and reduces network traffic by caching commonly used fonts on the local machine.
- > **Management Tools** — new Windows-based application empowers administrators to remotely manage many aspects of Exceed onDemand Server, including license keys, user profiles, and Server settings.

Exceed onDemand Server Operating System

- > **Exceed onDemand Server Operating System:** Windows 2000, Windows XP Professional, Windows Server™ 2003, Sun® SPARC Solaris™ 2.6 and higher, Sun x86 Solaris 8, IBM® AIX 5, HP® UX 11 and higher, Linux kernel 2.4 and higher
- > **Minimum Memory:** 256 MB, **Minimum Hard Drive Space:** 140 MB

Exceed onDemand Client and Exceed onDemand Server Manager Operating System

- > **Exceed onDemand Client and Exceed onDemand Server Manager Operating System:** Windows 2000, Windows XP Professional, Windows Server 2003
- > **Minimum Memory:** 128 MB, **Minimum Hard Drive Space:** 10 MB
- > **Web-Deployment Requirement:** Web Server Operating System: Any, Web Server: Any, Desktop Browser: Microsoft Internet Explorer 5.0 or above



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