

OpenText™ Exceed™ TurboX

Delivers cost savings, high definition display, and supercharged sharing

OpenText Exceed TurboX is an advanced solution for desktop virtualization and remote access to enterprise applications and data, including X Window applications hosted on UNIX® and Linux® servers; and Microsoft® Windows® applications hosted on Windows servers. Exceed TurboX provides a central location for IT to securely deploy applications running on a variety of server platforms to a managed list of users. As a result, Exceed TurboX enables organizations to save costs by consolidating applications into the data center with minimal disruption to the business.

KEY BENEFITS

- Exceptional performance for 2D and 3D graphical applications
- Centrally manage access to UNIX® and Microsoft® Windows® virtual and physical machines
- Extremely efficient bandwidth use for WAN access
- Support for NVIDIA Virtual GPU technology for scalable and cost-effective 3D virtualization
- Remote access from any Mac®, Windows, Linux®, or iPad® device
- LDAP and PAM-based access control, with single sign-on support
- Built-in support for OpenGL and DirectX applications and desktops with suspend and resume
- Effortless upgrades and deployment
- Designed for the cloud

HIGH SPEED GRAPHIC PERFORMANCE

HIGH DEFINITION DISPLAY	Exceed TurboX offers unrivaled pixel-perfect drawing and precise color rendering, which increases productivity and quality of work.
ADAPTIVE REMOTE PROTOCOLS	Exceed TurboX automatically tunes itself to deliver the perfect balance between image fidelity and accuracy, along with optimal performance and bandwidth usage.
ULTRA-LOW BANDWIDTH USAGE	Exceed TurboX dramatically reduces bandwidth requirements when accessing remote desktops and applications over the WAN, while providing the best possible responsiveness and display quality.
BUILT-IN SUPPORT FOR OPENGL AND DIRECTX	CAD/CAM engineers and other professionals working on 3D modeling can take advantage of out-of-the-box support for GPU-accelerated OpenGL and DirectX remote sessions for Windows and X Window applications. Not only can users access their remote 3D applications, they can also suspend their session and restart it later.
SUPPORT FOR 64-BIT	Both the server and client components of Exceed TurboX natively support the 64-bit architecture on all platforms.

UNPRECEDENTED USABILITY

CENTRALIZED WEB ACCESS Exceed TurboX provides users with a web dashboard where they access their remote desktops and applications. The ETX dashboard enables users to create, customize, and launch sessions from a single location, with IT deciding which systems are accessible based on user ID or group.

SUSPEND AND RESUME By suspending any active sessions and resuming them anytime, anywhere, on any platform, users can take both Windows and X Window sessions with them when they are on the go.

SESSION SNEAK PEEK The Session Sneak Peek feature enables users to check the status of a session or simulation without resuming the session. The session snapshot can be viewed in real time, from any device.

FAIL-PROOF SESSIONS Exceed TurboX can automatically suspend any active session in the event that the network connection is lost. It maintains the state of applications running in the session, protecting valuable project data from accidental disconnection.

SUPERCHARGED SHARING In a globalized economy, projects require collaborative work from a team of international members. With Exceed TurboX, users from around the globe are able to share projects and ideas in real time over the internet, by taking advantage of desktop and application sharing for both Windows and X Window sessions.

ALL-IN-ONE REMOTE ACCESS Exceed TurboX provides fast remote access to UNIX, Linux, and Windows desktops from any Windows, Mac®, Linux PC or iPad®. Exceed TurboX allows users to work on the platform of their choice, while accessing applications and desktops on a variety of hosts.

MESSAGES AND NOTIFICATIONS Exceed TurboX includes a built-in email messaging system that notifies users based on predefined events, such as system or session status, or when someone wants to share a session. Real-time notifications can help improve the responsiveness of IT and enhance user productivity.

SECURE BY DESIGN

SUPPORT FIPS 140-2 VALIDATED ENCRYPTION Exceed TurboX incorporates the latest FIPS 140-2 enabled SSL libraries to encrypt network communication.

ENCRYPTION WITH SSH AND SSL Communication between user desktop computers and application hosts can be secured and encrypted using a combination of Secure Shell (SSH) and Secure Socket Layer (SSL) protocols.

SINGLE-SIGN-ON AND LDAP INTEGRATION Through the support for Kerberos™ and GSSAPI, Exceed TurboX client grants Windows users access to Exceed TurboX and remote resources without re-authentication. Single-sign-on can reduce password fatigue and help organizations improve compliance.

PAM SUPPORT Exceed TurboX supports various back-end authentication mechanisms, including Pluggable Authentication Modules, through which Exceed TurboX users can be authenticated against third-party authentication systems that have standards-based PAM libraries.

COMPREHENSIVE ACTIVITY LOG Exceed TurboX empowers administrators with the ability to quickly explore and inspect details of user and server activities through the intuitive web UI. Log entries can be easily exported for further analysis or archiving purposes.

ENTERPRISE SCALABILITY

CLUSTERING AND LOAD BALANCING	As a cluster-enabled solution, Exceed TurboX supports horizontal scaling of line-of-business applications and their demand for computing resources. Exceed TurboX can dynamically distribute workload within the cluster to ensure that all server resources are fully utilized.
MULTIPLE LEVELS OF FAILOVER AND REDUNDANCY	Exceed TurboX offers automatic fail-over protection and works with existing high-availability infrastructures to support various failover scenarios and redundancy provisioning.
CENTRALIZED USERS AND ACCESS MANAGEMENT	Exceed TurboX keeps users and access management in a centralized database. It reduces the administrative headaches of managing disparate user communities and empowers administrators to control application access on the user and group levels.
AUTOMATIC UPGRADES	ETX server-side components can be automatically rolled out to all server nodes when you install the latest version, dramatically reducing the cost of upgrades. Runtime patches can be applied selectively to test new functionality without affecting other users. Most upgrades can be applied without interrupting user sessions.

EFFORTLESS DEPLOYMENT AND MANAGEMENT

REMOTE SUPPORT	Exceed TurboX uses centralized data storage to store system and user-related profiles and configurations, reducing the administrative headaches of managing disparate user desktops. Centralized profile management also empowers administrators to manage application access at the user and group levels.
ZERO CLIENT INSTALLATION	In any large organization, one of the central drains on IT resources is software deployment. Exceed TurboX eliminates the stress on IT by providing a clientless architecture, where the latest client runtime is downloaded from the ETX server on demand.
REST API SUPPORT	Management of ETX Server can be done via REST API, enabling management of the ETX server through custom applications and shell scripts. This reduces the administrative burden of managing complex infrastructure and enables ETX functionality to be embedded into existing applications and web portals, for example to launch remote sessions.
DIVERSE ADMINISTRATIVE ROLES	Companies may need multiple levels of administrators to manage different aspects of the solution. Exceed TurboX supports four different administrative levels, each crafted for different management tasks.
ANYWHERE ADMINISTRATION	Administrators can monitor and manage Exceed TurboX from any location using just a web browser on any computing device. Exceed TurboX Server Manager includes a full web interface.
USER AND GROUP MANAGEMENT WITH MICROSOFT® ACTIVE DIRECTORY® INTEGRATION	Part of the administrative overhead in managing server-based solutions is user and group management. Exceed TurboX can non-intrusively access Microsoft Active Directory and allow administrators to import and use existing user and group information to configure profile and access control.
BUILT-IN REPORTING	Exceed TurboX can provide detailed reporting on resource and license usage over any given period of time. The built-in reports provide insights into usage patterns and license consumption, so that companies can properly provision hardware and software licenses, as well as track usage by user group.

DESKTOP VIRTUALIZATION

GPU H.264 SUPPORT FOR MAXIMUM INFRASTRUCTURE CONSOLIDATION

Exceed TurboX supports GPU-enabled virtual machines, providing extreme scalability for high-end 2D and 3D user environments. In addition, the Exceed TurboX proxy takes advantage of NVIDIA GRID technology to offload work from the CPU to the GPU. This allows IT to consolidate its engineering and designers into virtual data centers and achieve extremely efficient virtualization strategies.

DESIGNED FOR PRIVATE/PUBLIC CLOUD

Exceed TurboX employs a modern web-centric architecture with web-based authentication and administration interfaces. This makes Exceed TurboX a perfect fit for any organization's private or public cloud initiative, offering secure remote access to cloud-based applications, data, or assets with ease and LAN-like efficiency.

SUPPORTED PLATFORMS

WEB APPLICATION SERVER

- Red Hat® Enterprise Linux® 6.5 or later, 64-bit
- Oracle® Solaris® SPARC® 10 & 11, 64-bit
- Oracle Solaris x86-64 10 & 11, 64-bit

DATABASE SERVER

- IBM® DB2® Express-C 10.5 with Red Hat Enterprise Linux 6 or later, 64-bit only
- IBM DB2 Enterprise Server 10.5 with Red Hat Enterprise Linux 6 or later, 64-bit only
- Microsoft® SQL® 2012 SP1 Standard Edition or later on Windows Server 2012 R2 or later
- Microsoft SQL 2008 R2 SP2 Standard Edition or later on Windows Server 2008 R2 SP1 or later
- Apache® Derby™ 10 or later, on all supported ETX Server platforms

CONNECTION NODE

- Oracle Solaris SPARC 10 & 11, 64-bit
- Oracle Solaris x86-64 10 & 11, 64-bit
- Red Hat Enterprise Linux 6.5 or later, 64-bit
- SuSE® Linux Enterprise 11 & 12, 64-bit
- IBM AIX® 6.1 or 7.1
- Windows® 10, 64-bit
- Windows 8.1, 64-bit
- Windows 7 SP1, 64-bit
- Windows Server® 2008 R2 SP1, 64-bit
- Windows Server 2012 R2

CLIENT - WINDOWS PLATFORMS

- Windows 10
- Windows 8.1
- Windows 7 SP1 or later
- Windows Server 2008 R2 SP1 or later
- Windows Server 2012 R2 or later Linux Platforms
- Red Hat Enterprise Linux 6.5 or later, 64-bit
- SuSE Linux Enterprise Linux 11 & 12, 64-bit

CLIENT - MAC® OS X® PLATFORMS

- MacOS™ 10.12 (Sierra)
 - Mac OS X 10.11 (El Capitan)
-

CLIENT - IOS® PLATFORMS

- iOS 9.0 or later, on iPad® 2 or later, iPad Air®, iPad Air 2, iPad mini™ 2 or later, iPad Pro®
-

CLIENT - JAVA™ CLIENT

- Java 8 Update 100 or later
-

WEB BROWSERS

- | | |
|-----------------------------------|--|
| • Microsoft Internet Explorer® 11 | • Google Chrome™ |
| • Microsoft Edge® | • Safari® 8 or later (applicable to Mac OS X only) |
| • Mozilla Firefox® | |
-

www.opentext.com/contact