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 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.

**High Speed Graphic Performance**

<table>
<thead>
<tr>
<th>High Definition Display</th>
<th>Exceed TurboX offers unrivaled pixel-perfect drawing and precise color rendering, which increases productivity and quality of work.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intelligently Adaptive Performance Tuning</td>
<td>Exceed TurboX automatically tunes itself to deliver the perfect balance between image fidelity and accuracy, along with optimal performance and bandwidth usage.</td>
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<td>Ultra Low Bandwidth Usage</td>
<td>Exceed TurboX is up to 90% more efficient in bandwidth usage than traditional X servers, thanks to the highly efficient ThinX Protocol. Microsoft RDP sessions are similarly compressed, providing excellent WAN performance with little to no visible reduction in quality.</td>
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<tr>
<td>Built-In Support for OpenGL and DirectX</td>
<td>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.</td>
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**Key Benefits**

- Exceptional performance for high intensity graphical applications
- Support for 3D accelerated remote sessions, with multiple users sharing a single GPU
- Full LDAP or PAM-based user access control, with centralized administration
- Designed for mixed hosting environments with applications on both UNIX™ and Windows® servers
- Superior user experience across devices and platforms (Windows, Linux, Mac OS X®, and iOS)
- Up to 90% more efficient in bandwidth usage versus traditional X servers, thanks to the highly efficient ThinX Protocol.
- Provides a browser interface for launching new sessions, managing application profiles, monitoring and managing Exceed TurboX from any location
- Offers built-in support for OpenGL and DirectX applications and desktops, featuring a high-definition display with pixel-perfect drawing and precise color rendering
- Designed to integrate with private/public clouds, and on-premise or co-located data centers
Exceed TurboX automatically suspends any active session in the event of a disconnection. It maintains the state of applications running inside a suspended session, protecting valuable project data from accidental disconnection.

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.

In a web dashboard, Exceed TurboX provides users a bird’s-eye view of all related profiles and sessions. The dashboard gives users ultimate control over their settings, profiles, and sessions.

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.

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.

Exceed TurboX incorporates the latest FIPS 140-2 validated SSL libraries to improve the responsiveness of IT and enhance user productivity.

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.
## 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 backend 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 users and server activities with ease, thanks to the new activity logging mechanism. Log entries can be easily exported for further analysis or archiving purposes.

## Session-Based Privacy

For businesses that exercise stringent privacy control, Exceed TurboX incorporates session-level privacy settings. Users can prevent administrators from shadowing or sneak peeking into their sessions without their exclusive permission.

## 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.

## Effortless Deployment and Management

### Remote Support

Exceed TurboX utilizes 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.

### 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

One of the administrative overheads in managing server-based solutions is user and group management. Exceed TurboX can non-intrusively access Microsoft Active Directory and allow administrators to 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 that are suitable for their needs.

### 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.

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**Mac® OS X Platforms**
- Mac OS X 10.10 (Yosemite)
- Mac OS X 10.9 (Mavericks)

**iOS Platforms**
- iOS 8.0 or later, on iPad 2, iPad (with Retina display), iPad Air™, iPad mini™, and iPad mini with Retina display

**Java™ Platform**
- Java 1.8 Update 45 or later

**Web Browsers**
- Microsoft Internet Explorer® 9 or later
- Microsoft Edge®
- Mozilla Firefox® 40 or later
- Chrome™ 45 or later
- Safari® 8 or later (applicable to Mac OS X only)
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<th>AUTOMATIC VERSION CONTROL</th>
<th>Another leading drain on IT resources is software maintenance and version control. Exceed TurboX is designed so the right version of the client software is downloaded and installed automatically when the user launches a remote session</th>
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<td>DESKTOP VIRTUALIZATION</td>
<td><strong>GPU H.264 SUPPORT FOR MAXIMUM INFRASTRUCTURE CONSOLIDATION</strong> Exceed TurboX supports GPU-based H.264 video compression, providing maximum performance and user density for GPU-enabled server environments. In addition, the Exceed TurboX proxy has an extremely small CPU and memory footprint, providing maximum scalability on the smallest amount of server hardware. These features allow companies to create the highest concentration data centers and achieve extremely efficient virtualization strategies.</td>
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<tr>
<td></td>
<td><strong>IDEAL FOR PRIVATE/PUBLIC CLOUD INITIATIVES</strong> Exceed TurboX employs a modern web-centric architecture, with web-based authentication and web-based 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.</td>
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