

# OpenText Exceed VA TurboX 10.5

The most advanced UNIX desktop virtualization solution available, Exceed VA TurboX empowers a global workforce through remote application access and provides an optimal user experience that improves performance and productivity.

## WHAT'S NEW

### CENTRALIZED LICENSE POOL

- Multiple Exceed VA TurboX sites can now join and share the same license pool, and have licenses dynamically distributed amongst them.

### NATIVE OSX SUPPORT

- Apple® Mac® users can also enjoy high performance remote application access thanks to the new native Exceed VA TurboX client.

### FREE IPAD® CLIENT

- Take your Exceed VA TurboX sessions to go on any modern iPad devices.

### DYNAMICAL WINDOW RESIZING POLICY

- Resize the Exceed VA Turbo X session with ease to fit any number of monitors in real-time.

### FULL SCREEN TOOLBAR

- This new toolbar can control an Exceed VA TurboX full screen mode session in the most unobtrusive manner.

### COLLABORATIVE SHARING

- A new sharing mode allows multiple users to share the control of a session without having to receive explicit permission to do so.

### ENHANCED RUNTIME PACKAGE MANAGEMENT

- Runtime package management brings a higher level of order to one of the most powerful tools in Exceed VA TurboX.

### SUPPORT FOR MICROSOFT® SQL DATABASE

- In addition to IBM DB2® and DB2 Express-C, the newest version of Exceed VA TurboX also supports Microsoft SQL Server®.

### ENHANCED LDAP SUPPORT

- Exceed VA TurboX can leverage email attributes, support nested LDAP groups, and search for the specific group.

## HIGH SPEED GRAPHIC PERFORMANCE

### HIGH DEFINITION DISPLAY

OpenText Exceed VA TurboX offers unrivaled pixel-perfect drawing and precise color rendering to support the importance of displaying accurate information and the impact it has on the overall quality of work.

### INTELLIGENT ADAPTIVE PERFORMANCE TUNING

Exceed VA 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 VA TurboX is up to ninety percent more efficient in bandwidth usage than traditional X servers, thanks to the highly effective Thin X Protocol.

### BUILT-IN SUPPORT FOR OPENGL

CAD/CAM engineers and other professionals working on 3D modeling will be delighted by the out-of-the-box support Exceed VA TurboX offers for OpenGL. Not only can users access their remote design applications to render and display 3D images, they can also suspend their 3D applications while they are on the move.

### DIRECT SERVER SIDE RENDERING

By tapping into the server-class CPU and memory resources, as well as high-end physical or virtualized graphic hardware solutions available on server systems, Exceed VA TurboX allows users to launch OpenGL applications with larger than ever data sets, while enjoying full 3D hardware acceleration and near console-like performance.

### CLUSTER-ENABLED ARCHITECTURE

The cluster-enabled architecture of Exceed VA TurboX allows organizations to create a centralized infrastructure, letting more users securely access more 2D and 3D X Window applications, while maintaining optimal performance and reducing infrastructure impact.

### SUPPORT FOR 64-BIT

Both the Server and Client components of Exceed VA TurboX natively support the 64-bit architecture on all platforms (except iOS).

UNPRECEDENTED USABILITY

<b>INTUITIVE DASHBOARD</b>	Exceed VA TurboX provides users a bird’s-eye view of all related profiles and sessions in a Web Dashboard that is both intuitive to use and highly informative. The Dashboard gives users the ultimate control over their settings, profiles, and sessions.
<b>SUSPEND AND RESUME</b>	By suspending any active sessions and resuming them anytime, anywhere, on any platform, users can take X Window sessions with them when they are on the go with the help of Exceed VA TurboX.
<b>SESSION SNEAK PEEK</b>	Traditionally, the only way a user could determine the status of applications running inside a suspended session was by resuming it, which took time and resources to complete. The Session Sneak Peak feature changes all of that by providing users with a convenient snapshot of the session in real-time, through the Web Dashboard—an unprecedented way of looking into a session.
<b>FAIL-PROOF SESSIONS</b>	Exceed VA 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.
<b>SUPERCHARGED SHARING</b>	In a globalized economy, projects require collaborative work from a team of international members. With Exceed VA TurboX, users from around the globe are able to share projects and ideas in real time over the Internet, without having to modify X Window applications.
<b>ALL-IN-ONE REMOTE ACCESS</b>	Not only can users depend on Exceed VA TurboX to manage access to UNIX applications, they can also rely on Exceed VA TurboX to deliver Microsoft Windows® applications, such as Microsoft Internet Explorer®, to Linux® and UNIX® workstations. Exceed VA TurboX is the all-in-one remote application access solution that enterprises can trust.
<b>MESSAGES AND NOTIFICATIONS</b>	Communication is the key to success; Exceed VA TurboX embraces this concept by introducing a messaging system that includes email notification capabilities. Administrators and users can set up notifications based on predefined events, such as system or session status, or notify users when someone wants to share a session. Real-time notification can help improve responsiveness and ultimately enhance user productivity.

SYSTEM REQUIREMENTS:

WEB APPLICATION SERVER:

- Red Hat® Enterprise Linux 5 or later, 64-bit only; SuSE Linux Enterprise 10 or later, 64-bit only.

DATABASE SERVER:

- IBM DB2 Express-C
  - Red Hat Enterprise Linux 5 or later, 64-bit only; SuSE Linux Enterprise 10 or later, 64-bit only.
- Microsoft SQL Server 2008R2
  - Windows Server 2008R2 or later
- Microsoft SQL Server 2012
  - Windows Server 2012 or later

CONNECTION NODE:

- Oracle® Solaris SPARC 10 or later, 64-bit only; Oracle Solaris x86 10 or later, 64-bit only; Red Hat Enterprise Linux 5 or later, 64-bit only; SuSE® Linux Enterprise 10 or later, 64-bit only.

CLIENT:

Windows Platforms

- Windows 8 or later; Windows 7 SP1 or later; Window Vista® SP2 or later; Windows XP SP3 or later; Windows Server 2008 SP2 or later; Windows Server 2008 R2 SP1 or later.

Linux Platforms

- Red Hat Linux Enterprise Linux Desktop 5 or later, 64-bit only; SuSE Linux Enterprise 10 Desktop or later, 64-bit only.

Mac® OSX Platforms

- 10.8 (Mountain Lion) or 10.9 (Mavericks)

iOS Platforms

- iOS 7.0 or later, on iPad 2, iPad (with Retina display), iPad Air™, iPad mini™, and iPad mini with Retina display

Java™ Platform

- Java 1.7 Update 55 or later

Web Browsers

- Microsoft Internet Explorer 9 or later; Firefox® 17 or later; Chrome™ 23 or later; Safari 6 or later (applicable to Mac OSX only); or other Java-enabled Web browsers.

**SECURE BY DESIGN**

<b>SUPPORT FIPS 140-2 VALIDATED ENCRYPTION</b>	Exceed VA TurboX incorporated FIPS 140-2 validated SSL libraries to encrypt network communication.
<b>ENCRYPTION WITH SSH AND SSL</b>	Communication between user desktop computers and X application hosts can be secured and encrypted using a combination of Secure Shell (SSH) and Secure Socket Layer (SSL) protocols.
<b>SINGLE-SIGN-ON AND LDAP INTEGRATION</b>	Through the support for Kerberos and GSSAPI, Exceed VA TurboX Client grants Windows users transparent access to Exceed VA TurboX and remote resources without re-authentication. Single-sign-on can reduce password fatigue and help organizations improve compliance adherence.
<b>PAM SUPPORT</b>	Exceed VA TurboX supports various backend authentication mechanism, including Pluggable Authentication Module, through which Exceed VA TurboX users can be authenticated against third party authentication systems that have standard-based PAM libraries.
<b>COMPREHENSIVE ACTIVITY LOG</b>	Exceed VA 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.
<b>SESSION-BASED PRIVACY</b>	For businesses that exercise stringent privacy control, Exceed VA TurboX incorporates session-level privacy settings. Users can prevent administrators from shadowing or sneak peeking into their sessions without their exclusive permissions.

**ENTERPRISE SCALABILITY**

<b>CLUSTERING AND LOAD-BALANCING</b>	As a cluster-enabled solution, organizations can grow the Exceed VA TurboX infrastructure to support the increase in the complexity of line of business applications, and their demand for computing resources. Exceed VA TurboX can dynamically distribute workload within the cluster.
<b>MULTIPLE LEVELS OF FAILOVER AND REDUNDANCY</b>	Exceed VA TurboX offers automatic fail-over protection or works with existing high-availability infrastructures to support various failover scenarios and redundancy provisioning.
<b>CENTRALIZED USERS AND ACCESS MANAGEMENT</b>	Exceed VA 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**

<b>REMOTE SUPPORT</b>	The Exceed VA TurboX solution 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.
<b>DIVERSE ADMINISTRATIVE ROLES</b>	Companies may need multiple levels of administrators to manage different aspects of the solution. Exceed VA TurboX supports four different administrative levels, each is crafted for different managerial tasks.
<b>ANYWHERE ADMINISTRATION</b>	Administrators can monitor and manage Exceed VA TurboX from any location using just a web browser on any computing device. Exceed VA TurboX Server Manager sports a full web interface.
<b>USER AND GROUP MANAGEMENT WITH MICROSOFT ACTIVE DIRECTORY INTEGRATION</b>	One of the administrative overheads in managing server-based solutions is the user and group management. Exceed VA TurboX can non-intrusively access Microsoft Active Directory and allow administrators to use the existing user and group information to achieve profiles and access control.
<b>BUILT-IN REPORTING</b>	Exceed VA TurboX is capable of providing detailed reporting on resource and license usage over any given period of time. The built-in reports provide insights into the usage pattern of the solution, and help companies to properly provision hardware and software licenses that are suitable for their needs.
<b>ZERO CLIENT INSTALLATION</b>	In any large organization, one of the central drains on IT resources is software deployment. Exceed VA TurboX eliminates the stress on IT by automating the client installation on both Windows and Linux platforms. Native Exceed VA TurboX Client is now deployed ad hoc and on-demand through the web browser—completely without any human intervention or pre-planning. It just works.
<b>AUTOMATIC VERSION CONTROL</b>	Another leading drain on IT resources is software maintenance and version control. Exceed VA TurboX is designed so that the right version of the client software is installed on the correct user's desktop on time.

DESKTOP VIRTUALIZATION

**FACILITATE IT INFRASTRUCTURE CONSOLIDATION**

Remote access solution is the glue that ties users to resources—the stronger the glue, the greater the distance that can be sustained between users and resources, and a more concentrated IT infrastructure can be achieved. Exceed VA TurboX outperforms any remote access solution in the market, allowing companies to create the highest concentration data centers, thereby achieving the most efficient virtualization strategy.

**IDEAL FOR PRIVATE / PUBLIC CLOUD INITIATIVES**

Exceed VA TurboX employs modern web-centric architecture, which can be easily fit into a company’s private or public cloud initiatives, and offers remote users access to cloud-based applications, data, or assets with ease and LAN-like efficiency.



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