

DATA SHEET

OpenText Exceed TurboX 12.0.3

OpenText Exceed TurboX (ETX) makes graphically demanding Linux, Windows® and UNIX® applications and desktops accessible through the web providing fast access regardless of where in the world the applications are hosted. Software can be hosted on-prem in datacenters and/or in the cloud.



Enhanced
**remote session
performance**



Enhanced
administration for
**increased admin
productivity**



Enhanced **IP
protection**



Enhanced **user
experience**

Remote connection performance

Exceed TurboX is known for providing excellent performance for remote access to graphics-rich product design and other graphics-rich applications. For remote users of such application's high performance and un-delayed user interaction with the remote software are key to be able to successfully deliver their work. The latest service pack of ETX further increases the performance for users, remote contents are delivered quicker and interactions with the user web interface have become faster.

Enhanced administration

Many new administrative features have been added to ETX since the original version 12.0 release. Application profiles with user customizable settings greatly reduce the amount of required and to manage application profiles reducing overall admin work. The new performance panel helps admins and users to understand how the remote image rendering is behaving and allows to detect possible performance bottlenecks. The information provided in the performance panel helps to resolve performance issues. The notification system for admins is enhanced they will now receive messages about more possibly critical situations. Management of new users has become much easier and reports for admins unveil more details about the state of the ETX remote access infrastructure.

Enhanced IP protection

Many ETX customers operate in cutting edge high-tech verticals. For them IP protection is key. ETX protects IP by allowing to configure in great details what a user can copy or download to his local machine. ETX settings allow to configure clipboard exchange between remote and local, file copying and printing rights for a user, enable or disable screenshots and now the inclusion of a transparent IP watermark on the user's remote content to mark contents as proprietary for example.

Enhanced user experience

Users benefit from many new features as well. For example, they can now invite co-workers using email addresses, they can start a session to be shared in un-shared mode to prepare themselves. If the person that has started a shared session leaves, the session will remain available to all others. The file and print manager can now transfer entire directories if the user has permissions to do so. Users can copy files and directories via drag and drop between remote and local session when they have permission to copy files.

Enhanced REST Services

ETX provides several REST services for Web developers to call the ETX functionality from custom web pages without using the ETX dashboard. The capabilities of the ETX REST API have been enhanced in many ways, including a very handy configurable micro help where developers can see the REST service API to use from clicking on the functionality in the ETX dashboard.

New in Exceed TurboX 12.0.3

New performance panel

- A new panel for Windows and macOS clients which displays metrics for the remote session and allows real-time adjustment of session compression and target bandwidth.
- Optional low-impact data only display.

New profile options

- New profile option to show performance icon in system tray.
- New profile option to prioritize Quality vs. FPS
- Customizable group profiles allow to greatly reduce the number of application profiles by allowing users to edit relevant group profile settings.
- New user options have been added to control whether a user can edit or delete their personal profiles.
- New user permissions to copy group profiles and copy personal profiles have been added.
- An option has been added to the profile's Input tab called Synchronize with Windows IME to synchronize Windows keyboard settings.

IP protection

- A new option called show session watermark has been added to the ETX profile's security tab. When enabled, a watermark will be drawn on top of all ETX windows containing customizable text about the user, host, etc. Making it harder for users to share screen contents with people that are not allowed to see the IP.

High availability support (HA)

- High availability clustering support for ETX Server has been extended to include Solaris x86-64 version 11.4 or later.
- Server HA cluster communications are encrypted using TLS 1.3.

Enhanced appearance settings

- The appearance settings for ETX Server can now be exported to a .zip file and imported to another ETX server through the Appearance tab in Site Settings.
- ETX pages banner text accepts HTML markup for custom headers.
- Full screen toolbar improvements.

Collaboration enhancements

- Session sharing to email addresses and user groups is now possible.
- Shared sessions can start in non-collaborative mode and be shared later.
- Shared session owner can leave without suspending for participants.
- Shared session controller can now access the input client menu.

File and Print Manager and Clipboard enhancements

- File and Print Manager supports transferring folders.
- macOS and Linux client support for text drag and drop.
- Windows client support for file drag and drop to and from Linux hosts.

New in Exceed TurboX 12.0.3

New administration features

- Messages for high Server memory and CPU usage now available.
- Compressed ETX access logs reduce the amount of disk space used for older log files.
- Bandwidth usage added to Sessions grid in administrative panel.
- Report filtering improvements for administrators.
- Option to authenticate session credentials for X Window Host Application.
- Hostname / host IP macros for session and window titles.
- Server option to filter HTTP cookies from launcher URIs.
- “Keep me signed in” option for PAM authentication.
- Explicit TLS support for LDAP authentication.
- Xstart option to run shell command in background.
- Xstart macros for user language.
- Profile option to hide ‘Launch Dashboard’ in the client menu.
- First time login with Kerberos uses full name and email from LDAP.
- Options to control first-time login experience for new users.
- Administrators can set the client platforms a user should be allowed to use.

REST API

- User permission to access REST API web portal has been added.
- User permission to show REST API tooltips in profiles. Enabled will show users what REST API to use for a feature visible on the screen.
- Simplified REST Get calls: Specify properties returned by GET calls on collections.
- API and launcher support for sharing, joining, and leaving sessions.
- REST APIs for managing site appearance and custom icons are added.

Generic new features

- ETX server is updated to OpenJDK 11 with TLS 1.3 support.
- macOS full screen window resizes to new monitor.
- Option to hide scroll bars when panning near window edge.
- Allow administrators to view session snapshot is lockable in templates.
- Several launch from desktop shortcut improvements.
- Client Launcher command line support for session resume.
- RDP session resolution can be changed in quick settings.
- Performance improvements for NVIDIA and AMD GPUs.
- Client-side PDF printing.
- New open files on the client side tool.

New in Exceed TurboX 12.0.2

New administration features

- Version 12.0.2 provides native systemd support for ETX Connection Nodes on Linux, and no longer relies on systemd-sysv-generator to convert SysV init scripts.
- Silent installation support for maximum number of sessions launched on a node.
- New Connection Node state (Enabled, synchronizing).
- Improved runtime deployment to connection nodes.
- Improved collection of troubleshooting information.
- A new server setting, httpsCipherSuites, can now override the preferred order of cipher suites used by ETX Server for HTTPS connections.
- Improved workflow for email notifications.
- Site URL property in all notifications and messages.
- Custom welcome message on the Login page.
- Keeping the current locale or setting the system one (to use the language of choice)
- Ability to disable file Copy / Paste for Windows hosts.
- New profile option for H.264 hardware decoding.
- Manual configuration of .Xauthority is now possible.
- Messages indicating that incorrect local port or IP address were entered.
- Improved etxdb logging for troubleshooting of FATAL/WARNING messages.
- New "Idle since" column for the sessions grid.
- New Security page under Site Settings combines all security related setting.

User features

- Performance improved for the login workflow.
- Improved session state notification in ETX Dashboard.

Generic features

- Performance improvements for remote sessions.
- Improved ETX Server startup speed (connecting to multiple nodes).
- Support for ARM 64-bit Linux clients.

New in Exceed TurboX 12.0.1

Administration features

- Secure HTTPS Proxy for Non-VPN environments.
- Support for multiple ETX versions in a server cluster.
- Ability to limit the number of sessions launched on a node.
- Limiting the number of nodes being patched concurrently.
- Option to use interactive mode for Secure Shell is added.
- Launching a session on a node selected by the user.
- Option to sign out of Windows when ETX session terminates.
- Running remote sessions directly on the node (for Windows RDP and XDMCP queries)
- Option to terminate a session when the last window is closed.

New in Exceed TurboX 12.0.1

Administration features

- Restricted session sharing for LDAP groups.
- Stripping domain from username during account creation on first login.
- Script to fetch user email address and full name on first login.
- Extending the period of the PAM password expiration message.
- Security improvement for authentication errors.
- Passing xstart parameters (commandmacro).
- New creation date column for users, profiles and sessions.
- New Top Users report.
- New network connection timeout.
- Displaying backup information at the end of ETX Server datastore backup.
- Improvements to HA server logs.
- Additional logging information for etxlauncher.

User features

- Support for Copy / Paste in shared sessions.
- Support for Copy Image functionality on Mac and Linux desktops.
- Copy and paste files and directories to and from Windows hosts.
- File and Print Manager shows the local and remote hostname.
- File and Print Manager shows a drive selection dropdown.
- Function keys displayed on Macbook Pro Touch Bar.
- Option to send Mac command shortcuts to remote hosts in MWM.
- Windows launcher support for Kerberos SSO.

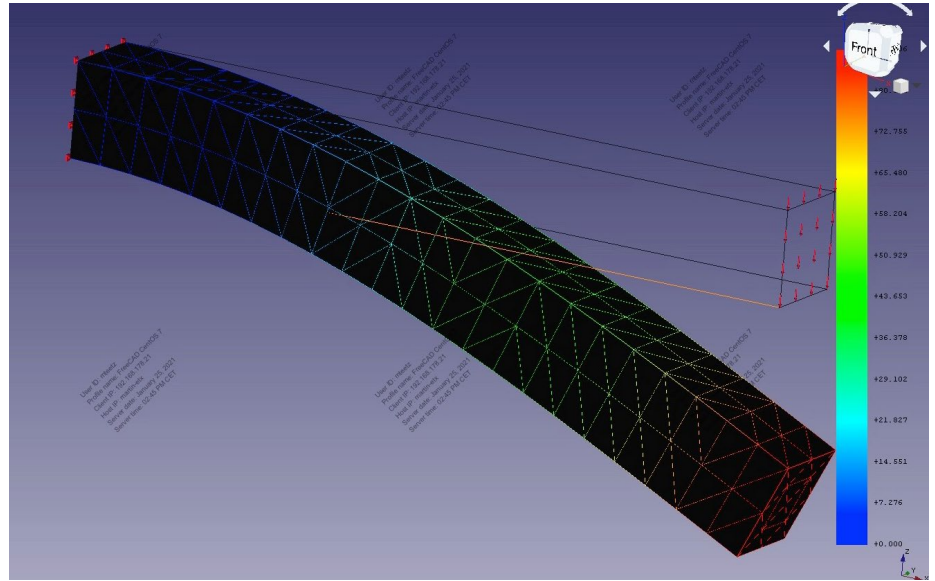
Generic features

- Support for the Korean language.
- Windows Direct console sessions fall back to multi-user mode.
- Shared session title shows who controls the session.
- ETX session windows resume to the original Windows virtual desktop
- Windows taskbar is grouped by ETX session.
- Saving a workspace when a session is forced to quit.

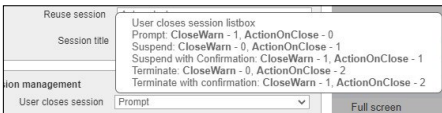
REST APIs

- Kerberos support for REST APIs.
- Allowing REST API calls from subnets only.
- API to measure the responsiveness of user sessions.
- New License Server API obtains the list of Connected Sites.
- REST API for Top Users report.

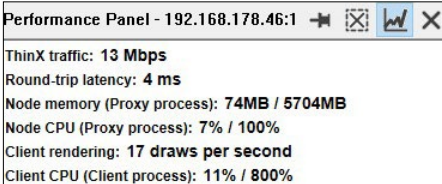
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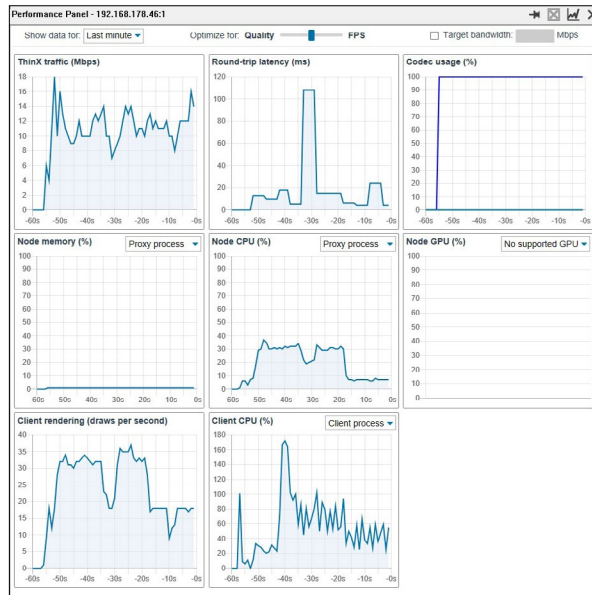
Remote CAD software showing the new ETX session watermarks for IP protection



New REST tooltips when hovering over ETX setting



The new ETX performance panel in data only mode



The new Exceed TurboX performance panel showing detailed session data

About OpenText

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