Rocket® software

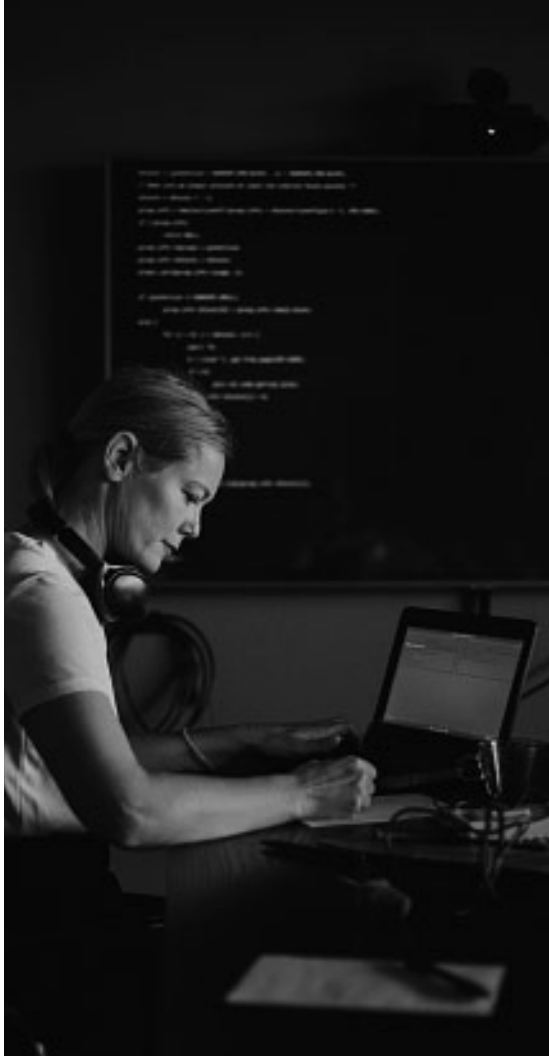
Rocket® Exceed TurboX Security Features

Centralize IP in a well-protected datacenter and with secure remote access.

Contents

← Back to contents

Rocket® Exceed TurboX Security Features



As many organizations look to consolidate data centers to reduce IT spending and increase central manageability, they also need to provide high-performing, remote access to users of graphically demanding software on Linux®, Unix® and Microsoft® Windows®. These software — as well as others — are what many organizations use to design their core products, including semiconductors, engine parts, or architecture. Organizations are looking for solutions that cover both the graphically demanding and the standard business user desktops to enable the benefits of virtualization.

IP Protection and Security

A 2024 report states that 68% of total breaches involved a human element, whether it be social engineering, business email compromise (BEC), human error, pretexting, use of stolen credentials, or other. This is why industries like engineering, oil & gas exploration, financial trading and so many more that also deal with sensitive data have moved that data (and all correlating applications) away from user workstations and into secure datacenters.

Remote Access Software (RAS) is a key part of the information security puzzle. It provides the sole entry point into the secure environment for users to view and edit information assets. RAS solutions must be extremely secure to ensure that data does not leave the datacenter. Rocket® Exceed TurboX (ETX) was developed in close partnership with customers who demand the highest possible security standards for protecting their sensitive data.

- All data traffic is encrypted with latest standards encryption technology.
- Rocket ETX integrates with a multitude of authentication systems.
- Rocket ETX provides central management of users, sessions, and datacenter infrastructure.
- Secure architecture that protects your IP.

- File transfer, printing, and copy/paste features can be turned on or off based on application, user, user group, or user location (subnet).
- Clipboard contents for copy/paste operations between local and remote systems can be logged.
- File transfer and copy/paste operations can be enabled in either one or both directions.
- IT maintains complete control over user privileges, including which hosts can be accessed, which applications or scripts can be run on those hosts, and by which users or user groups.
- A single Rocket ETX Server can enforce enterprise-wide security across multiple datacenters in different geographic locations.
- With VPN or HTTP(S) proxy support, Rocket ETX provides secure access from external customer and contractor sites, eliminating the need to transfer data to third parties or transport sensitive data through airport security.
- Session windows can be blanked out in client-side screenshots, stopping users from capturing images of sensitive applications and data.

Encryption and Identity Verification

All Rocket ETX connections are encrypted and server identities are verified to prevent network snooping and man-in-the-middle attacks.

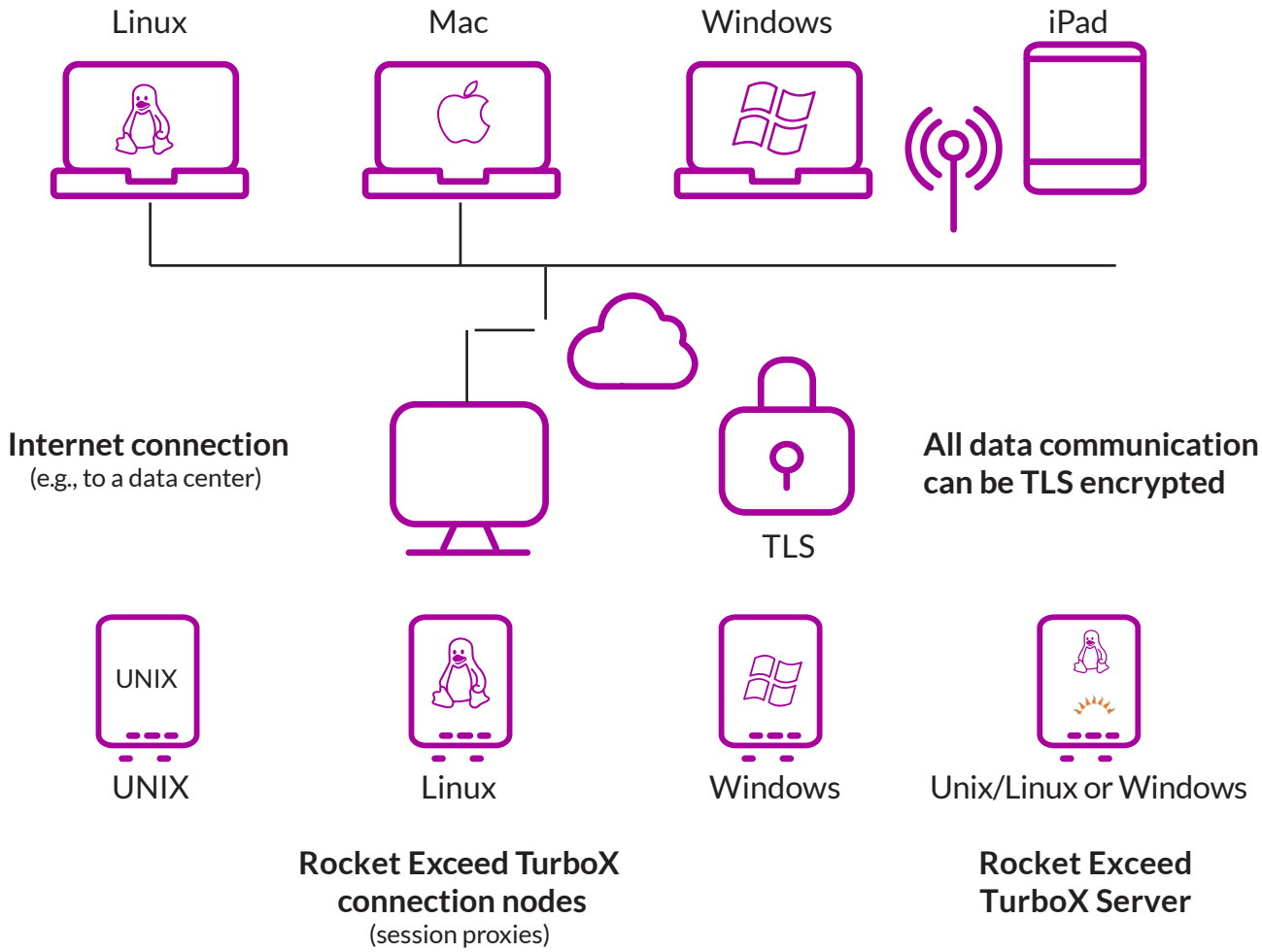
- Data traffic between the client browser and the Rocket ETX web server is encrypted with TLS and supports HTTPS certificates.
- Remote sessions are encrypted with TLS 1.3; server identity is verified via certificate when sessions are established.
- Back-end connections between ETX nodes and application hosts may be encrypted with SSH.
- Back-end connections between ETX Servers, Nodes, and License Servers are TLS 1.3 encrypted.

← Back to contents

Centralized Management

Rocket Exceed TurboX enables a small IT staff to manage thousands of application and desktop hosts across multiple regional datacenters, enabling IT to maintain control of complex computing environments.

- Email alerts notify administrators of problems with the environment, including memory or disk space issues, frozen or out-of-control user sessions, and other issues that may result in downtime.
- A full audit trail is provided for user logins, application and desktop launches, configuration changes, and permission changes.
- Application servers can be grouped into regions, and profiles targeting those server groups can be published to user groups in those regions, ensuring optimal network performance and creating logical separation between regions.
- Software updates installed to Rocket ETX Server are pushed out to all users and hosts, enabling quick patching of bugs and easy deployment of new security features.
- Detailed permissions can be set per-user or per-group for quick and easy management of privileges.



← Back to contents

Authentication

Rocket ETX supports the following authentication methods:

- Lightweight Directory Access Protocol (LDAP).
- Microsoft® Active Directory® (AD).
- UNIX Pluggable Authentication Module (PAM).
- UNIX Native accounts.
- OpenText Directory Services (OTDS) is an optional authentication server that provides access to a multitude of authentication systems via OAuth2 and other 2FA providers.
- Kerberos Single Sign On (SSO).

Rocket ETX provides Single Sign-On to Windows and UNIX hosts by securely forwarding Rocket ETX login credentials to back-end desktop and application servers. This includes forwarding Kerberos tickets from the browser to SSH hosts for end-to-end SSO support.

Other authentication features of Rocket ETX include:

- API keys for REST-based administration and launching of profiles.
- Permanent or temporary Rocket ETX account lockout to prevent password brute-force attacks, without locking domain accounts.
- Bulk-importing of users and assignment of privileges from the authentication directory.
- Detailed customization of user privileges.
- The ability for new accounts to be created on successful login, or blocking of new accounts (requires manual creation by an Rocket ETX admin).

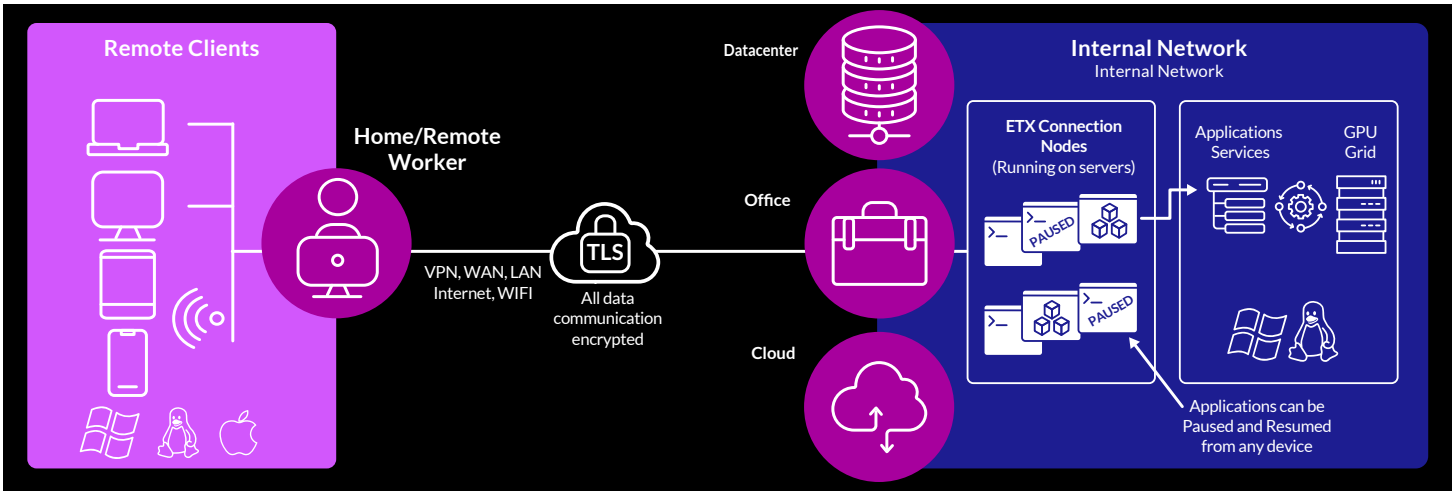
If you use a third-party solution solution for Single Sign-On (SSO) or federated authentication, OpenText Directory Services (OTDS) is an optional authentication server that supports 3rd party SSO, ADFS, SAML, OAuth2 and even custom authenticators. OTDS can authenticate against multiple systems simultaneously for companies that use a mix of directories and secure authentication solutions.

← Back to contents

Secure Architecture

The Rocket ETX client software does not require administrator privileges to install; any Mac, Linux, or Windows PC will be prompted to install a lightweight launcher when they log in or launch a session for the first time.

- Rocket ETX Server uses an embedded Eclipse Jetty web server, which has a small footprint and minimal surface area for potential attackers.
- Rocket ETX Server and Nodes can either be installed in a VPN, or for contractor and customer access, behind an HTTP(S) proxy or load balancer.
- The HTTP(S) proxy or load balancer can prevent direct connections to the Rocket ETX Server and Nodes by using private addresses on those hosts.
- HTTP(S) certificates and node certificates ensure that connections to back-end systems are secure.
- The Rocket ETX administration portal can be hosted on a private port which is only accessible from within the VPN or private network, ensuring that an attacker cannot gain administrative access.



About Rocket Software

Rocket Software is the global technology leader in modernization and partner of choice that empowers the world's leading businesses on their modernization journeys, spanning core systems to the cloud. Trusted by over 12,500 customers and 750 partners, and with more than 3,000 global employees, Rocket Software enables customers to maximize their data, applications, and infrastructure to deliver critical services that power our modern world. Rocket Software is a privately held U.S. corporation headquartered in the Boston area with centers of excellence strategically located around the world. Rocket Software is a portfolio company of Bain Capital Private Equity. Follow Rocket Software on LinkedIn and X (Formerly Twitter).

Visit RocketSoftware.com ›

Rocket® software

Modernization. Without Disruption.™

MAR-13895_Broch_ETXSecurity_V3