Rocket® software

Hybrid Work for the New Resilient Organization

Enable employees to work from anywhere on any device

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The next level of application and desktop virtualization

Organizations are under constant pressure to improve workflows, reduce costs, and deliver products faster than ever. Using virtualization and centralized IT infrastructure, organizations can make big leaps forward in accelerating time-to-market and at the same time, significantly reduce costs.

Hybrid work requires fast and responsive virtual application access allowing staff to operate office and demanding graphical software solutions remotely. The key to success of every centralization effort is providing remote workers with high-performing, reliable tools that enable collaboration.

IT departments are always looking to reduce work by standardizing user workstations and server software and hardware. Centralized IT through virtualization is the best practice for centralized administration and total control of user workstations and software installations.

Rocket® Exceed® TurboX makes working with virtualized software core graphical applications remotely sustainable because its speed and resilience are superior to any other solution.

Organizations draw major benefits from virtualized remote working IT infrastructure. Working cycles are accelerated, and best practice IP protection is implemented.

IT benefits from virtual infrastructure through centralized administration, operating system and application updates and backups as well as increased security and lower costs.

Fast access to virtualized software

Workers love under-desk workstations because they are fast, but they also love having access to their work from anywhere: the office, home, customer sites, production sites or hotels. If employees have fast-performing remote access, the advantages of application and desktop virtualization outweigh the disadvantage of not having an under-desk workstation. For example, an employee can work on a 3D product design model in the office, suspending their session before driving home.

From home, they can re-connect to the same session, even on a computer using a different operating system. Rocket® Exceed TurboX automatically adapts the screen size to the device resuming a session. Rocket Exceed TurboX offers high performance virtual software access even when users are on a different continent than the cloud or datacenter hosting the software.

High availability

Rocket Exceed TurboX includes integrated High Availability (HA). The solution can be configured as a highly available server "cluster" for access to virtualized software with maximum uptime. It distributes web sessions across ETX Servers in the cluster using a front-end web load balancer and supports regional load balancing for users to connect to the closest location.

49%
of remote workers want a responsive virtualization solution.

SOURCE: ENGINEERING.COM AUDIENCE SURVEY OF REMOTE ACCESS TO DESIGN SOFTWARE

78%
of remote workers say high availability is the most important factor for remote access.

SOURCE: ENGINEERING.COM AUDIENCE SURVEY OF REMOTE ACCESS TO DESIGN SOFTWARE

Connection stability

With many virtualization solutions, losing the connection means losing work. Reconnecting to existing back-end sessions is often not provided. That means with even short network outages, remote workers lose their work and IT must devote time and effort toward closing ghost sessions that use resources but cannot be connected to. Rocket Exceed TurboX provides full suspend and resume support for sessions, which also works with network outages. Suspended sessions are shown in the browser dashboard and can be launched with a mouse click.

Managing long-running tasks

Employees often trigger tasks like tests and simulations that need to run for a few days. Using Rocket Exceed TurboX, remote workers can check their status from any location and on devices running Windows, MAC, Linux, UNIX or iOS. Managing project files with a team of remote workers through user workstations is error prone.

Files are dispersed between user hard disks and versioning and synchronization are a challenge. Synchronization times across user workstations or loud/datacenters can be multiple hours a day. In contrast, virtualized IT keeps all files at a central location with centralized versioning, eliminating synch and back-up times.

53%
of remote workers are concerned about potential connection instability issues with virtual software that may cause lost work.

SOURCE: ENGINEERING.COM AUDIENCE SURVEY OF REMOTE ACCESS TO DESIGN SOFTWARE

Virtualization secures IP for organizations

Corporations designing semiconductors, automobiles, aerospace crafts, computing equipment andother complex products require strict control over their IP. Using personal workstations is the worst-case scenario, as users can simply copy files to memory sticks. With a centralized IT approach, all IP is locked down in a well-protected cloud or datacenter location. Good virtualization software like Rocket® Exceed TurboX allows configuration to determine if users can copy files, use the clipboard to copy content or print on the local machine. Disabling file transfer, clipboard copy and local printing ensures no IP can leak from the cloud or datacenter.

Accelerated time-to-market

Rocket® Exceed TurboX users see major improvement in time-to-market for their products and major accelerations of internal workflows. Keeping all files in one central place eliminates file synch times and other process-bound wait times involving multiple locations.

Powerful collaboration features allow teams to access resources around the globe to quickly resolve issues. With centralized IT, teams can be allocated without any limitations posed by local datacenters or local clouds. Organizations can quickly move manpower where it needs to be, accelerating time-to-market and workflow execution.

37%
of remote workers are concerned with intellectual property security.

SOURCE: ENGINEERING.COM AUDIENCE SURVEY OF REMOTE ACCESS TO DESIGN SOFTWARE

Powerful collaboration features allow teams to access resources around the globe to quickly resolve issues.

Major cost savings through cloud or datacenter consolidation

A centralized datacenter also saves costs. For example, assume an organization has five global datacenters for their remote access IT. Each datacenter costs them $2 million per year. Moving to one global cloud infrastructure or datacenter could dramatically reduce costs. Instead of $10 million, they could reduce their annual cost to something like $3 million.

Business continuity for medical, political and other emergencies

The coronavirus pandemic has made it clear that organizations must have a hybrid work strategy in place to protect productivity in difficult times. Application virtualization is becoming a key digital strategy for enabling hybrid work at organizations worldwide.

IT benefits of application and desktop virtualization

Centralized management simplifies many IT challenges by automating tasks like patches and upgrades for software and operating systems, as well as infrastructure installations and upgrades.

Anything central can be done faster and with less disruption than when using local user workstations. Centralized IT also increases security by allowing forced patches and unified security hardware and software. Single-user workstations easily fall out of backup strategies because they have new disks, software is not configured right or similar issues. Implementing a secure backup strategy is only truly possible within a cloud or datacenter.

New desktops can be rolled out faster by applying central configurations rather than hardware purchases. Virtualized IT also improves response times and reliability, as IT personnel can access systems from anywhere and any device.

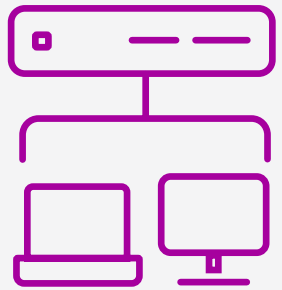
Virtual desktop infrastructure (VDI) via Exceed TurboX

Powerful Rocket Exceed TurboX virtualization infrastructure management tools enable quick and easy deployment and management of virtual desktops of any type. These can be graphical desktops or plain Windows user desktops for Microsoft Office users in a VDI initiative.

Rocket Software® is currently using the solution to deploy corporate Windows desktops to outside contractors, quickly giving them access to internal software solutions. Rocket Exceed TurboX fulfills all the advanced security requirements, including two-factor authentication, to operate a VDI infrastructure securely in Rocket Software datacenters.

Meeting IT security requirements:

- Rocket Exceed TurboX fully supports a proxy server access configuration to maximize security of the VDI solution by reducing the number of open IP ports.
- Rocket Exceed TurboX includes support for 50+ authentication systems.
- Remote desktops only provide the required solution access and are otherwise locked down to disable access to the internal network.
- Because the user experience is simple and straightforward, user acceptance at Rocket Software is high.



Why did Rocket Software not use the Windows built-in remote desktop (RDP)?

The RDP protocol has a history of severe security issues. Rocket Software IT was not willing to take the risk. Rocket Exceed TurboX gives IT a simple central dashboard to manage users, applications and server resources.

Rocket Exceed TurboX virtualization infrastructure is also highly scalable. Adding a group of new users and giving them access is as easy as importing the users from the authentication system and assigning groups to the right applications.

Rocket Exceed TurboX in healthcare and life sciences

Healthcare workers can benefit in many ways from using powerful virtualization tools. They can view ever growing patient imaging data from anywhere, whether that is on a screen during surgery, or an iPad at the side of a patient's bed. Secure remote access ensures sensitive patient data is locked down in a central place where only authorized personnel can view it.

For life sciences, using remote access can accelerate the process to results. New pharmaceuticals and medical devices can be brought to market faster because teams have access to all information and imaging data from anywhere.

Industry solutions

High-performance and secure remote access software for graphically demanding Linux, UNIX and Windows applications.

OIL AND GAS
Processing and Interpreting Seismic Data for Oil & Gas Exploration.

MANUFACTURING
Managing Engineering Design Processes & Change Orders.

ELECTRONIC DESIGN AUTOMATION (EDA)
Semiconductor & Electronics Design and Simulations.

UTILITIES
Monitor-To-Action, Accessing SCADA.

FINANCIAL SERVICES
Ensure Accurate Display of Trading & Financial Applications.

HEALTHCARE & LIFE SCIENCES
Diagnostic Imagery, Genome Research.

AEROSPACE AND DEFENSE
Design, Maintenance, Manufacturing & Flight Planning.

Rocket Exceed TurboX in EDA, manufacturing and energy industries

Virtualizing IT for graphically demanding software makes sense in many industry verticals. The Rocket Software connectivity group has provided virtualization products for more than 30 years with a large customer base in many industries, such as EDA semiconductors. With any given smartphone, tablet or laptop, it is likely more than 60 percent of the semiconductor parts have been engineered using Rocket Exceed TurboX application virtualization.

Power plants and power networks are monitored using SCADA software and remote workers can see the plant control dashboards and interact from anywhere. Car manufacturers use Rocket Exceed TurboX for application virtualization when creating 3D car manufacturing models or running extensive virtual simulations and tests.

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 a product of Micro® Focus

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