

GO-GLOBAL FOR UNIX DELIVERS CRITICAL COMMUNICATIONS FOR M/A-COM



GraphOn Solution Lowers TCO by Running Sun Solaris-based Network Management Application from Windows XP Clients

Customer Solution at a Glance

Company Profile: Founded as a supplier to the defense industry in 1950, M/A-COM, Inc. became part of Tyco in 1999. With manufacturing facilities, offices, and data centers throughout the world, M/A-COM is a global leader in critical radio communication systems.

Business Need: M/A-COM needed a way to access its UNIX-based Regional Network Manager software from Windows PCs.

GraphOn Solution: Thanks to the server-centric GO-Global® for UNIX solution, users can easily and securely run SUN Solaris-resident applications from Windows XP or any other client, over any connection, from anywhere.

Results:

- Saves time and money for a lower TCO
- Works over any network connection, even slow dial-up lines
- Provides outstanding data compression and security

M/A-COM, a business unit of Tyco Electronics, is a leading supplier of critical radio communications solutions for public safety, homeland security, military, and other federal and state agencies. Products range from advanced IP-based voice and data networks, to traditional wireless systems that offer its customers the highest levels of reliability, interoperability, scalability and security.

When M/A-COM needed a reliable, secure way to run centralized, UNIX-based network control applications directly from local and remote Windows clients, the company selected GO-Global for UNIX from GraphOn.

With GO-Global, UNIX applications are instantly and painlessly Web-enabled and available to authorized users on any platform, running any operating system, from anywhere in the world. All without the need to modify a single line of code or deploy additional software such as local X servers.



Access to Applications Anywhere.

Critical Operations

Among other products, M/A-COM provides its customers with complete hardware/software solutions for critical radio communications environments, including the wireless networks and radio devices used in police cars, fire engines, ambulances, emergency operations centers, and military base operations. M/A-COM's customers include the State of New York, the Commonwealth of Pennsylvania, the State of Florida, the U.S. Army, the U.S. Navy, and numerous other public safety, government, and utility organizations around the world.

M/A-COM's Regional Network Manager (RNM) software is a robust UNIX-based network management and monitoring tool used with the M/A-COM OpenSky TDMA-based wireless private communication network and other radio communication solutions. To provide system and network administrators with the ability to efficiently and securely run RNM from Windows clients, M/A-COM deployed GO-Global for UNIX.

Seamless Windows Access to UNIX Applications

"RNM runs on central Sun Solaris servers which are typically isolated in guarded areas to ensure physical security," explained M/A-COM Senior Engineer Michael Frazier. "With GO-Global, network administrators are able to access and run RNM right from their Windows PCs. Sometimes the clients are in other locations, even other cities, yet GO-Global gives them the same access as if they were sitting in front of the Sun server console."

The clients are typically Windows XP desktops. Some access the Sun servers over 100BaseT Ethernet while others connect remotely over T1 lines.

"Where we only have telephone access, we set up a PPP connection using a modem,"

said Frazier. "We were pleased to discover that GO-Global works great even over very slow connections. The product has very high data compression."

Relying on Rapid-X

GO-Global uses GraphOn's patented Rapid-X Protocol (RXP), a highly efficient, state-of-the-art data transmission protocol that is extremely fast and offers much better data compression than other remote X alternatives.

"GraphOn personnel have always been highly responsive in reacting to our various needs. We are a satisfied customer and will continue to use GO-Global for the foreseeable future."

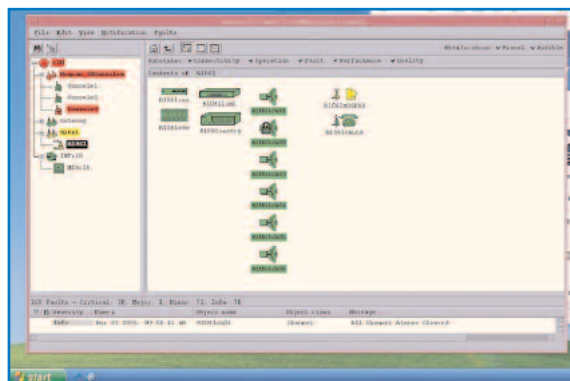
Michael Frazier
Senior Engineer
M/A-COM

Rather than transmitting entire screen bitmaps over the network, the RXP protocol transfers only display commands from the UNIX server to the clients, and transmits only keyboard and mouse events back to the server.

GraphOn's RXP protocol is not only fast, it is also extremely secure. All GO-Global transmissions are fully encrypted, including optional 256-bit AES encryption.

Simple Installation, Deployment and Licensing

GO-Global is easy to license, install and deploy, both at the server and at the PC client side.



Regional Network Manager (RNM) UNIX application running on a Windows XP client via GO-Global for UNIX.

"Implementation has been easy for us, even for first-timers," said Frazier. "Also, GO-Global is flexible. GraphOn's licensing staff provides excellent service in supplying new licenses for recently purchased GO-Global installations, and in providing free re-licensing if and when the need arises to move the product from one physical Sun server to another – for example, if a hardware failure in a server requires a swap-out."

Lowering the Total Cost of Ownership

M/A-COM values the way GO-Global saves time, money and resources. "Any time we avoid a trip to access a server, we save all that travel time and expense – and disruption and lost productivity," concluded Frazier. "Many of our installations would be difficult to monitor and maintain economically if we had to constantly travel to access them."



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