

GRAPHON HELPS WORLDWIDE TELECOMMUNICATIONS LEADER MAKE THE RIGHT CONNECTIONS.



Alcatel-Lucent Deploys GO-Global to Run Centralized UNIX and Windows Applications from Windows XP Thin Clients.

Customer Solution at a Glance

Company Profile: Headquartered in France, Alcatel-Lucent is a worldwide leader in communications solutions.

Business Need: Windows XP thin-client access to the legacy CMC 1300 centralized network management system encompassing both UNIX and Windows applications.

GraphOn Solution: GO-Global® provides Alcatel-Lucent in Germany with an efficient, cost-effective server-based computing solution, thereby eliminating the need to rewrite the applications.

Results:

- Easy thin-client access to applications from any location, platform and operating system.
- Complete cross-platform compatibility.
- Strong authentication and security.
- Eliminates the need for Windows Terminal Services (WTS) and client-side X servers.

Alcatel-Lucent was formed through the merger of Alcatel and Lucent Technologies in 2006. Alcatel's origins date back to 1898 with the founding of predecessor CGE, a French-based company involved in transportation, electronics, and telecommunications.

Lucent Technologies was spun off by AT&T in 1996. Its history dates back to 1869 in the form of the Western Electric Manufacturing Company, which later became AT&T's Bell Labs.

Today, Alcatel-Lucent employs over 79,000 workers in more than 130 countries. The company provides communications hardware, software and services to telecommunication carriers, Internet service providers and enterprises for delivery of voice, data and video solutions.

Recently, the company faced the challenge of enhancing its CMC 1300 network management system to allow the legacy UNIX and Windows applications to be accessed remotely via thousands of network operators running Windows XP at its large German customer T-COM. After evaluating available alternatives, Alcatel-Lucent selected GO-Global, the easy and affordable application delivery solution.



Access to Applications Anywhere.

The CMC 1300 System

The Alcatel-Lucent 1300 Convergent Network Management Center (CMC 1300) is an industry-leading application suite that provides integrated network management for next-generation networks, fixed IP multimedia subsystem networks, public switched telephone networks, and signaling networks. The solution is primarily UNIX based, but also includes some Windows components. It provides a wide range of features such as configuration, accounting, performance, fault and security management.

In Germany, Alcatel-Lucent needed to enhance CMC 1300 to allow its customer T-Com – the broadband/landline division of Germany's Deutsche Telekom – to run the central applications remotely over the intranet from Windows XP clients.

“The previous release of our legacy system was based on a traditional client/server architecture utilizing a PC-based GUI component that communicated with the central host via a proprietary protocol,” explained Dr. Georg Pauthner, Senior Director of Network Management Systems at Alcatel. “However, due to T-Com's firewall restrictions and other considerations, we needed a true thin-client, presentation server approach where the entire application runs on the central server and is accessed remotely using thin clients.”

That's why Alcatel-Lucent turned to GO-Global, the true server-based, thin-client computing solution that extends the reach of UNIX, Linux and Windows applications to any device without requiring Microsoft WTS or client-side X server software. The GO-Global application delivery solution incorporates ultra-thin-client and browser plug-in technology to make applications instantly accessible to local, remote and mobile users, regardless of platform or operating system.

Stacking-up against the Competition

Prior to deployment, Alcatel-Lucent evaluated Citrix Presentation Server, Microsoft WTS, Propalms TSE (formally Tarantella), and GO-Global. “We selected GO-Global for a number of reasons, including product functionality, performance and price,” continued Pauthner. “In addition, we were quite pleased with the excellent service and support we received from GraphOn.”

“With GO-Global, we avoided having to re-engineer CMC 1300 for intranet access. This provided us with substantial savings in terms of time and R&D resources.”

Dr. Georg Pauthner
Senior Director
Network Management Systems
Alcatel-Lucent Germany

Cross-Platform, Thin-Client Access Made Easy

To enable thin-client access, Alcatel-Lucent simply installed the GO-Global server software on their central hosts. This allowed the company to instantly “publish” the CMC applications onto the network without the need to modify the applications or deploy additional infrastructure.

On the client side, network operators simply run one of GraphOn's near-zero-footprint thin clients on their desktop or laptop PCs. Thin-client options include native Windows clients, Java applets, and Web-browser plug-ins.

Alcatel-Lucent IT Infrastructure

Servers: HP PA-RISC rp3440 and rp4440 servers running HP-UX 11.23.

Published Applications: Legacy UNIX and Windows applications comprising the 1300 Convergent Network Management Center (CMC 1300).

Client PCs: Business PCs and laptops running Windows XP.

GO-Global Thin-Clients: 840 GO-Global for UNIX licenses and 260 GO-Global for Windows licenses.

Connectivity: Typical LAN connections at 100 Mbps and WAN links at 2 Mbps.

Network Efficiency

Unlike other less efficient solutions, GO-Global utilizes the patented RXP protocol which is much faster and offers better data compression than other thin-client alternatives. Rather than transmitting entire screen bitmaps over the network, RXP transfers only display commands and keyboard/mouse events. This greatly reduces system complexities, improves overall performance, and saves time, resources and money.

“The migration to GO-Global was smooth and efficient,” concluded Pauthner, “and the performance has been superb.”



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