



Electronic Components Company Simultaneously Operates Multiple Environments with Exceed onDemand®

Toyo Denso Technical Center saves costs by integrating UNIX terminals with high ongoing maintenance

Industry

Electronic Components

Customer

Toyo Denso Technical Center

Business Challenges

- Costly supporting two computing environments
- High operation and administration workloads

Business Solution

OpenText Exceed onDemand®

Business Benefits

- Significantly reduce terminal maintenance costs
- Access multiple versions of design applications on Windows desktops
- Space and power savings

Toyo Denso Technical Center (TEC) produces electrical components and instruments for automobiles and motorbikes as well as OEM generators. With a strong reputation for quality and reliability, their products are widely distributed to leading car and motorbike manufacturers throughout the world and are also a popular choice in the car racing industry. Products are designed using high-end 3D based applications that require different operating systems depending on the version. TEC uses OpenText Exceed onDemand® to achieve efficient simultaneous operations of multiple environments. Exceed onDemand has generated substantial savings for a relatively modest initial investment.

The difficulty of totally eliminating costly UNIX terminals

The TEC Technical Center is responsible for design and development of the electrical and electronic automotive components and instruments supplied to global markets. The initial versions of the high-end 3D-based design applications ran on UNIX, but later versions are Windows-based. As a result, TEC was obliged to maintain a design environment that supported both UNIX and Windows, with associated duplication of terminal costs as well as maintenance and upkeep. Mr. Takahashi, R&D Control Department Foreman in the Engineering Management Division, recalls the situation: "We wanted to get rid of all of the UNIX terminals and transfer everything over to the new version, but we couldn't because of compatibility issues and also because there were some clients who wanted data supplied in the old version. And we still needed the old version for internal tasks such as modifying existing drawings. So we had to maintain an infrastructure for the old version."

Exceed onDemand: A Cost-effective Solution

The old version required expensive UNIX terminals that were used relatively infrequently and were considered to be not cost effective in terms of lease fees and maintenance costs. Since the old version is of limited use and will be eventually phased out, the challenge was to create an environment for the period of the transition to the new version that was inexpensive and could satisfy both external (client) and internal requirements. Exceed onDemand was identified as a feasible solution for minimizing administration and operation workloads and to deliver substantial savings. Exceed onDemand is a PC X server capable of operating UNIX and Linux host X applications over the network from a Windows terminal. It does not require powerful





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Mr. Takahashi, R&D Control Department Foreman, Engineering Management Division, Toyo Denso Technical Center

specifications on the client side and can be used with standard Windows desktop. “It doesn’t require expensive UNIX terminals, so it’s a 100 percent fit to our requirements,” notes Takahashi. TEC commenced validating Exceed onDemand

“We used one UNIX terminal as a server in a multi-user configuration,” continues Takahashi. “By combining application operations for 12 terminals, we analyzed load conditions in detail to check whether it caused workflow interruptions. We revised the operating rules to confirm that the operating environment would have no impact on workflow, and after a month, we made the formal decision to proceed with deployment.”

Multiple advantages of switching to Windows terminals

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