

CHALLENGE

- Protect Newly Upgraded Gigabit Network at a Reasonable Cost
- Balance Performance and Security Requirements
- Keep Topology Simple, Homogeneous and Open

SOLUTION

- ClearWidth Protector

BENEFITS

- Provides Necessary Gigabit Speed Protection at a Reasonable Price
- Minimal Impact to Budget
- Easy Integration with Existing Network Infrastructure
- Future-Proofed Solution

ABOUT CLEARWIDTH

ClearWidth enables organizations of all sizes to keep their networks running at peak efficiency by providing instant insight and control over traffic within the LAN. ClearWidth's affordable, high-speed appliances enable users to maximize the value of their networks without performance degradation or infrastructure changes.

Using the patented TruPerform technology, ClearWidth appliances can transparently inspect and manipulate packets at gigabit speeds, providing administrators with the ability to monitor and manage complex network environments without worrying about decreased network performance.

ClearWidth appliance's small footprint, low power consumption, flexible configuration, and simple and nonintrusive deployment add up to a solution that pays for itself quickly and provides a foundation for future change and growth.

ClearWidth

6373 San Ignacio Ave.
San Jose, CA 95119 USA
Tel: +1 408.843.4290
info@clearwidth.com
www.clearwidth.com

Lawrence Berkeley National Laboratory (Berkeley Lab) has been a leader in science and engineering research for more than 70 years and holds the distinction of being the oldest of the U.S. Department of Energy's National Laboratories. The Lab is managed by the University of California, operating with a staff of about nearly 4,000 employees, including more than 500 students. Visit www.lbl.gov for more information.

BUSINESS CHALLENGE

Berkeley Lab needed to balance the performance and security requirements of a newly upgraded Gigabit network with reasonable cost.

With 13,000 attached devices and 4,000 users, Berkeley Lab's IT mission is to keep the topology simple, homogenous and open. According to

Michael Bennett, senior network engineer, the most significant changes over the past few years have been increasing network complexity and congestion. As topology, switch infrastructure, and policy management become more complicated, maintaining speed and throughput within budget has become more challenging. This has created a balancing act between performance and security. "In general, performance lags to meet security needs due to cost," says Bennett.

"It's a constant battle to let people get their work done and protect the network at the same time."

CLEARWIDTH SOLUTION

Berkeley Lab chose ClearWidth's Protector network security appliance, which provides Gigabit firewall performance at a previously unheard of price point, along with continued low maintenance costs.

For Bennett, the ideal firewall is one that is so cost-effective and easy to deploy and maintain, he can place a number of them in front of separate groups of servers for protection.

Bennett placed Protectors on Berkeley Lab's intranet and were able to fully utilize their recently-upgraded Gigabit infrastructure. Systems requiring high-speed access to internal servers were no longer bottlenecked by the slow, pre-existing firewall. ClearWidth Protector was able to transmit and receive at line-rate, which increased overall productivity and sharing of large amounts of lab data.

ClearWidth Protector offers Gigabit throughput at a reasonable cost compared to the cost of traditional high-end firewalls.

