

Suffolk University Learns the Value of Juniper Networks Products

**Organization:**

Suffolk University, private, urban university located in Boston

Industry:

Education

Challenge:

Providing a stable network that enables international and domestic campus locations to securely interact with each other

Solution:

Juniper Networks NetScreen security, SSL VPN and routers

Benefits:

- One infrastructure to allow for collaboration and increased productivity
- Securely leverage information and resources on Suffolk University's network
- Simple process for adding new users

Juniper Networks products enabled us to cost effectively extend the network to our remote users by providing a seamless and secure access to network resources, anytime, from anywhere without the overhead associated with the installation and support of specialized client software."

Fouad Yatim
Suffolk University
Director Network Services Group

Boston's Suffolk University is a private, urban university committed to providing opportunities for motivated, capable students and has been selected by the 2005 edition of The Best Business Schools published by the Princeton Review. Suffolk University has grown from humble beginnings in the Roxbury parlor of a lawyer who, in 1906, began offering law classes to working adults. Gleason L. Archer was determined to offer a "haven of opportunity" for those denied a legal education by virtue of social class, religion or income.

In time, he decided to create "a great evening University" that working people could afford. Gleason Archer's commitment to offering opportunity to all continues to inspire the mission of the University to this day. Suffolk University seeks to build a community that includes all ages, races and socioeconomic backgrounds by offering baccalaureate and graduate degree programs responsive to the needs of a wide spectrum of individuals. The University also has a global presence, with a campus in Madrid, Spain and a campus in Dakar, Senegal.

With so many students located throughout Boston and the world, the small Suffolk University IT staff needed solutions that were best of breed, secure, reliable and were easy to deploy and manage.

The Solution

"Because our student population is so dispersed throughout Boston and the world, we needed products that would enable secure and reliable transfer of data," said Bill Mahoney, assistant director of network services at Suffolk University. "Our selection of Juniper's router, firewalls and SSL products are proof that we believe in best-of-breed products for our critical infrastructure."

Juniper Networks NetScreen-Secure Access 3000 is being used by faculty and staff to access email, the campus directory and to provide emergency messaging to faculty and staff such as snowstorms that effect the campus.

Juniper Networks' Secure Access SSL VPN products are hardened network appliances that leverage the benefits of secure access over the Internet, but in a more secure, less complex and lower-cost manner. The SSL VPNs leverage the SSL technology found in Web browsers, and require no client device software installations or maintenance. The products offer broad access options, high performance scalability, and access granularity tailored for sophisticated intranet and extranet environments. Juniper Networks SSL VPNs leverage the robust security design of the company's Instant Virtual Extranet (IVE) platform, which includes enterprise strength authentication, authorization and auditing (AAA); Juniper Endpoint Defense Initiative APIs that ensure integration with best-of-breed endpoint security products; and a core security architecture that has been audited by leading third-party security experts, such as TruSecure Corporation and Cryptography Research, Inc., and has been certified by ICSA Labs.

Juniper Networks NetScreen-204s, which offer up to 400 Mbps of firewall performance and up to 200 3DES IPsec VPN performance with support for up to 128,000 sessions, are deployed at Suffolk University's core network and at remote sites and provide site-to-site VPN.

Suffolk University selected the Juniper Networks M-series multiservice router for its network infrastructure because they need a platform that could provide high performance IP networking with high reliability. Suffolk also was interested in running Border Gateway Protocol for their dual Internet connection. The JUNOS software, which runs on the M-series, has a world class BGP implementation which is superior to other offerings in the market.

The Benefits

Suffolk University is seeing great benefits since deploying Juniper Networks' three product families.

Using the Juniper Networks SSL solution, new users can quickly and easily be added to the remote network without the hassle of having the IT team deploy a client on the user's computer. This saves hours and hours of time for the small IT staff.

Users are also finding the SSL solution extremely easy to use because it's a familiar environment. Because the browser is the client, there is no learning curve. Rather than having to be trained on how to access data remotely, users now only have to open a Web browser and sign-in to a secure site.

Juniper Networks IPsec VPN allows Suffolk University to more actively communicate between campus headquarters and remote Boston sites. Not only are these sites now linked so that University data can be shared, but the transfer of information is now secure.

Juniper Networks' M-series multiservice router is providing IP routing with performance and reliability and allowing the University to run BGP for connectivity with their ISPs.



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