

The Challenge

- Reliable and Cost-Effective Network Security and Secure Remote Access

The SonicWALL Solution

- SonicWALL Aventail E-Class Secure Remote Access

The Results

- Lower IT overhead
- Reduced support costs
- Increased productivity and billable hours
- Tighter security for remote endpoint devices

The challenge: Reliable Secure Access From Behind External Firewalls

The subject of this study is a auditing firm that provides onsite professional services to Fortune 500 and government organizations worldwide. As a result, the firm's field consultants must regularly do their work from behind externally controlled client firewalls. Because of its extensive fieldwork, the firm's onsite consultants have concurrent remote access rates upwards of 80%, while a typical company might see rates of only 10%.

Previously, the firm relied up on IPSec VPN technology for secure remote access. However, this required the firm's IT staff to install and maintain individual VPN clients on remote devices behind client firewalls. Partner and vendor VPN clients often were incompatible, and difficulties often arose during Network Address Translation (NAT). Without a functioning IPSec client preinstalled on an onsite computer, remote workers were unable to access crucial resources, and needed to contact the firm's IT help desk to download a compatible client.

In evaluating an effective solution, the firm chose to replace their IPSec VPN with SSL VPN, the standard protocol for secure message transmission over the Internet. They concluded that an SSL VPN solution could help the firm increase productivity and billable hours by simplifying and assuring secure remote access from behind external firewalls. At the same time, it could also tighten security on unmanaged endpoint devices. In addition, it could lower overhead costs by easing deployment and reducing support calls.

The solution: SonicWALL Aventail E-Class Secure Remote Access

After in-depth analysis, testing and responsive design collaboration, the firm selected a SonicWALL® Aventail® E-Class Secure Remote Access (SRA) solution. The SonicWALL Aventail E-Class SRA solution is ideally suited supporting thousands of internal and external users, while ensuring anytime access to critical applications. The SonicWALL Aventail E-Class SRA appliances delivers comprehensive access control by detecting the security of the endpoint, protecting applications with granular policy based on the user and the endpoint used for access, and then connecting authorized employees and business partners effortlessly from a broad range of cross-platform devices only to authorized resources.

To date, the firm has successfully deployed more than 15 SonicWALL Aventail E-Class appliances around the world, supporting approximately 85,000 users and 14,000 concurrent remote users. Each appliance is capable of supporting up to 2,000 concurrent users from a single appliance; two-node active/active high availability (HA) with integrated load balancing; and up to eight nodes configured behind an external load balancer.

Auditing Firm Case Study

The SonicWALL E-Class line of premium, enterprise-class solutions offer outstanding protection and performance, while delivering elegant simplicity and unparalleled value.

SonicWALL Benefits

- Streamlined VPN deployment and management
- "In-office" SonicWALL Aventail Connect
- "Anywhere" SonicWALL Aventail Workplace
- Support for back-connect applications, such as VoIP

The results: Global Clientless Remote Access and VoIP Support

Field consultants now primarily use SonicWALL Aventail Connect™ from client sites to connect to firm resources, including email, billing and productivity applications. SonicWALL Aventail Connect delivers an "in-office" experience for Windows® 7, Windows Vista, Windows Mobile, Macintosh® and Linux® users, enabling full access to client/server and Web-based applications and all other network resources. Enabled through a lightweight, Web-deployable agent, or through an easily provisioned standard MSI installation, SonicWALL Aventail Connect delivers full access from devices that require strong desktop security, split-tunneling control and personal firewall detection. SonicWALL Aventail Smart Tunneling™ offers a Layer 3 technology that supports UDP, TCP and IP protocols, and back-connect applications like VoIP. In NAT mode, no set-up of IP address pools is required.

Alternately, the firm's consultants can use SonicWALL Aventail WorkPlace™ from desktops, laptops, PDAs, smartphones, wireless hotspots and kiosks. SonicWALL Aventail Workplace delivers a policy-driven, device-optimized Web portal that provides easy access to Web-based and client/server applications.

With the success of the initial deployments, the firm further extended their return on investment by providing SSL VPN support for Voice over IP (VoIP) on laptop-based soft-phones around the world. Leveraging their existing infrastructure and expertise, the firm was successfully able to consolidate telecommunications costs while enhancing VoIP quality of service (QoS) and security.

The future: SonicWALL® EX7000

Looking ahead, the firm has evaluated the current SonicWALL Aventail E-Class SRA Series flagship EX7000 appliance. The SonicWALL Aventail SRA EX7000 is a clientless SSL VPN solution that delivers secure, easy-to-manage remote access control for the mobile enterprise, supporting up to 2,000 concurrent users from a single appliance. The SRA EX7000 increases user productivity and maximizes IT control by providing authorized access to any application from a broad range of cross-platform devices.

The SonicWALL Aventail E-Class SRA Series is a part of the SonicWALL E-Class line of premium, enterprise-class solutions offering outstanding protection and performance, while delivering elegant simplicity and unparalleled value. The E-Class portfolio of products and services includes a comprehensive line of network security, email security and secure remote access solutions.

SonicWALL's line-up of comprehensive protection



NETWORK
SECURITY



SECURE
REMOTE ACCESS



WEB AND E-MAIL
SECURITY



BACKUP
AND RECOVERY



POLICY AND
MANAGEMENT

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