The Organizations:
Suburban Library System and Berwyn Public Library

The Challenge:
Secure shared network resources and protect staff and library patrons from unsuitable Internet content with an integrated, cost-effective solution.

The SonicWALL Solution:
Two SonicWALL PRO 200 firewall appliances at SWAN headquarters and a combination of SonicWALL SOHO3 and SonicWALL PRO 100 Education Edition firewall/VPN appliances at 38 member libraries. As part of the SonicWALL Education Editions, Berwyn Public Library has also deployed SonicWALL Content Filtering Service and plans to deploy SonicWALL Complete Anti-Virus in the near future.

The Results:
By utilizing SonicWALL Internet security solutions across the network, SWAN is confident that downtime caused by hacker attacks, viruses and worms can be reduced.

Berwyn Public Library can ensure CIPA compliance and maintain eligibility for E-Rate funding without infringing on adult patrons' access to information.

Berwyn Public Library expects to save 15 - 20% in deployment and management costs by deploying the SonicWALL PRO 100 Education Edition.

"With SonicWALL as our security standard, we can secure our shared network resources to provide an enhanced research experience to all our patrons."

Mark Zera
Services Director
System Wide Automation Network (SWAN)
Suburban Library System

"Because SonicWALL CFS is so easy to use, our librarians can quickly and easily assign filter-bypass privileges to adult users who request unblocked Internet access."

Jim Frank
Head of Computer Sciences
Berwyn Public Library

SONICWALL CASE STUDY:
SUBURBAN LIBRARY SYSTEM AND BERWYN LIBRARY

Illinois' Largest Library System Standardizes on SonicWALL Internet Security Solutions and Recommends SonicWALL Content Filtering Service as an Option to Member Libraries

As the largest regional library system in Illinois, the Suburban Library System (SLS) serves more than 1.8 million people at 591 public, academic and special libraries across the greater Chicago area. To improve internal processes and enhance services, many of these libraries have automated circulation and card catalog functions. To further improve efficiencies, a number of Suburban Library System organizations have joined forces to create the System Wide Automated Network (SWAN), an automation consortium and integrated library system that provides access to an online catalog of more than one million books, CDs, DVDs, videos and cassettes.

To ensure uncompromised network security, SWAN has deployed SonicWALL Internet security solutions at SLS/SWAN headquarters and recommends that consortium members standardize on SonicWALL solutions to further secure access to shared network resources. SWAN also suggests SonicWALL Content Filtering Service for member libraries wanting to ensure a safe Internet environment for their patrons and demonstrate compliance with the Children’s Internet Protection Act (CIPA).

As a member of both the Suburban Library System and SWAN, Berwyn Public Library has deployed both a SonicWALL firewall/VPN appliance to secure its network and SonicWALL Content Filtering Service (CFS) to deliver a secure Internet environment for its staff and patrons. The library also has plans to install SonicWALL Complete Anti-Virus Service for automatic virus protection.

Standardizing on SonicWALL

Libraries, like all businesses, are facing increased network security risks. "To protect shared data from hackers and viruses, we required an Internet security solution that delivers comprehensive protection and performance," explains Mark Zera, services director at SWAN. "Standardizing on SonicWALL will improve system performance and simplify management," notes Zera.

SWAN has deployed two SonicWALL PRO 200 Internet security appliances at its main office to ensure superior firewall and VPN performance. SWAN member libraries have installed a combination of SonicWALL PRO 100 and SonicWALL SOHO3 Education Editions to facilitate secure remote access to the SWAN network through a Virtual Private Network (VPN). The Berwyn Public Library deployed a SonicWALL PRO 100 Internet security appliance to secure its network resources.

Flexible Content Filtering

Berwyn Public Library also deployed SonicWALL Content Filtering Service to provide a safe Internet environment for younger patrons. "SonicWALL CFS enables us to comply with the Children’s Internet Protection Act (CIPA) and remain eligible for funding under the Federal E-Rate program," notes Jim Frank, head of computer sciences at Berwyn Public Library.

While content filtering is a key component of CIPA compliance, libraries must also be careful not to restrict adult patrons’ access to information. SonicWALL CFS provides an interface for flexible policy management, allowing library staff to bypass the filter to give adult patrons open Web access.

"Because SonicWALL CFS is so easy to use, our librarians can quickly and easily assign filter-bypass privileges to adult users who request unblocked Internet access," says Frank.
Key SonicWALL Benefits:

**Network Protection:**
SonicWALL Internet security solutions offer a range of firewalls to act as the first line of protection against Internet security attacks.

**Flexible Protection:**
Content filtering protects young library patrons from inappropriate websites while offering librarians the flexibility to provide unfiltered Web access to adult patrons.

**Simple:**
SonicWALL solutions for schools and libraries are easy to install with simple Web-based interfaces and administrative wizards and can be centrally managed to update firewall policies, content filtering and anti-virus protection.

**Affordable:**
SonicWALL Education Editions offer an affordable stateful packet inspection firewall combined with free reporting software and one year of SonicWALL Content Filtering Service.

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While the library does not monitor patron online activity, it does rely on the log files generated by SonicWALL CFS to gain a full picture of staff Internet use. "With the log files in hand, we can see if any filter policy violations have occurred," says Frank. "This window into our staff's Internet usage allows us to fine-tune our filtering policy by identifying any blocked sites that should be accessible or any accessible sites that should in fact be blocked."

**Simple, Cost Effective Deployment**

Berwyn Public Library has realized significant savings by deploying the competitively priced SonicWALL PRO 100 Education Edition that integrates firewall/VPN capabilities with one year of free content filtering and ViewPoint reporting software. With this single integrated solution, Berwyn Public Library expects to save 15 - 20 percent in deployment and management costs.

Berwyn Library has also taken advantage of SonicWALL’s intuitive management interface, administrative wizards and one-click updates to reduce the time and cost of deployment. "I scheduled two hours of system downtime to install SonicWALL CFS and was done in just 20 minutes," explains Frank. Feedback from the library's staff has also been positive. "Our librarians are not overly technical, but they have had no problems using SonicWALL."

**SonicWALL Complete Anti-Virus**

Network administrators at Berwyn Public Library are big proponents of SonicWALL’s integrated Complete Anti-Virus solution. SonicWALL’s centralized virus management solution automatically acquires the latest anti-virus software and updates all systems before they can access the Internet. SonicWALL also delivers rapid e-mail attachment blocking to avert infected e-mail attachments before the virus signature is available, ensuring the fastest possible time to protection.

For Frank, having a comprehensive anti-virus solution will not only help protect the network, it will also save time. "It took me upwards of six hours to repair the damage caused by the self-replicating worm, W32.BugBear," says Frank. "With SonicWALL Complete Anti-Virus, I will be able to catch viruses before they cause damage to our systems."

**Uncompromised Network Security**

With SonicWALL solutions deployed across the network, SWAN is confident it can deliver uncompromised network security and performance with a cost-effective solution for all member libraries. "With SonicWALL as our security standard, we can secure our shared network resources to provide enhanced research capabilities to all our patrons," concludes Zera. "SonicWALL Content Filtering Service enables our members to create a safe, enriching environment for staff and patrons."