

School District Complies with Federal Mandates by Deploying Security at the Internet Gateway

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— Jeff Dietsche, IT Manager,
South Washington County
Schools, Minnesota

Nationwide, school districts face a common dilemma — how to protect their IT infrastructure from viruses and spyware, and safeguard their student body from inappropriate Web sites. According to Jeff Dietsche, IT Manager, South Washington County School District, "A short time ago, we began to see a dramatic increase in the number of viruses and spyware. It was a constant battle that was absorbing too many resources. In addition, we needed to comply with the Federal Children’s Internet Protection Act (CIPA) that mandates we protect our students from inappropriate and offensive material."

By the time the CIPA guidelines made it to Dietsche’s desk, South Washington County School District was already a satisfied Trend Micro NeatSuite™ customer with a client/server security architecture for desktop, email, and file server protection comprised of OfficeScan™ Corporate Edition, ScanMail™ for Exchange, ServerProtect™, and Trend Micro Control Manager™. "Fortunately for us," Dietsche said, "Trend Micro was there with Trend Micro InterScan™ Web Security Suite so we could add another layer of security at the Internet gateway and comply with Federal guidelines."

PRODUCTS:

**Trend Micro™
InterScan™ Web
Security Suite**

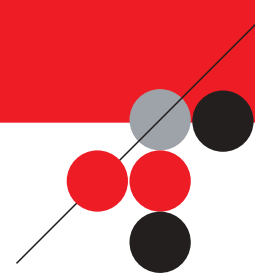
Multi-layer Security Includes the Web Gateway

InterScan Web Security Suite delivers high-performance security for HTTP and FTP traffic at the Internet gateway, the first line of defense against Web-borne threats. The suite integrates antivirus, anti-phishing, anti-spyware, and optional URL filtering technology. This comprehensive solution scans Web content according to flexible policies, prevents access to specified URLs, and blocks malicious threats without sacrificing performance.

The South Washington County School District serves 14 elementary schools, four junior and two senior high schools, plus a number of youth, senior, and community enrichment program centers. "All the facilities in our district are tied together by approximately 100 systems and application servers," Dietsche explained. "The underlying network infrastructure is comprised of core fiber optic switches that connect all 24 school district sites together. We have over 3,000 workstations that are constantly being used by in excess of 15,000 students in lab environments as well as by administration and office staff, and over 1,000 teachers.

"Our multi-layer Trend Micro security solution covers us at every level now that the servers and workstations are protected by InterScan Web Security Suite which filters Web content and bans access to specific URLs related to spyware or inappropriate material."

SUCCESS STORY: South Washington County School District



InterScan Web Security Suite supports standalone configurations and integrates with upstream proxy servers and ICAP-compliant caching servers. "We use an upstream proxy which maximizes the efficiency of Internet connections and acts as the front-end server for all of our users. It enables us to handle about 2.6 million hits a day, easily 600,000 more than we could handle previously. We were delighted to see that InterScan Web Security Suite did not impact performance, in fact, no one can tell that there is anything in between, even though we're scanning all content for viruses and grayware," Dietsche explained.

Centralized Management, Cleanup, and Reporting

He continued, "When any end user logs on to a workstation, InterScan Web Security Suite checks the Active Directory to verify that the user is authorized to be on the network. Verification is instantaneous and scanning begins without the end user even knowing it." Dietsche also can track events by user accounts. "This is a huge advantage for the IT staff," he said. "In the past, we found it difficult to isolate a security issue. But now, LDAP authentication enables us to get log reports that identify who the affected users are and which of them are constantly running into viruses."

"Not only does the solution identify problems for us, but it also cleans up viruses, spyware, and remnants from machines through collaboration with Trend Micro™ Damage Cleanup Services," Dietsche said. Damage Cleanup Services removes malware from clients and servers and restores altered systems to original settings. Cleanup is automated upon detection of malicious code or activity at the desktop by OfficeScan, and upon detection of malware at the gateway by InterScan Web Security Suite.

Trend Micro Control Manager enables IT staff to manage security from anywhere in the district via a central Web console. Central management and coordination of security layers network-wide ensures consistent protection. "We don't have to have a dedicated person in each location," Dietsche commented. "Someone on my staff can control security of the entire network from any of our 24 sites. Plus, we're able to schedule and automate the roll out of updates and new virus pattern files effortlessly."

Dietsche concluded, "During the school year we receive 30,000 spyware and virus accomplice hits every day, but Trend Micro™ InterScan™ Web Security Suite handles them all without a problem. Now we can track incidents by user account and are in full compliance with the Federal Children's Internet Protection Act."

KEY BENEFITS:

- **Multilayer security** — Integrates antivirus, anti-phishing, anti-spyware, and URL filtering to stop threats at the Web gateway
- **High performance** — Advanced scanning technology does not impact performance
- **Easy-to-use** — Centralized management and deployment of security at multiple layers ensures consistent protection across network
- **Automatic cleanup** — Removes malware and malware remnants from clients and servers and restores altered systems to original settings

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THE ADVANTAGES OF TREND MICRO

Global Innovation

Trend Micro has been a pioneer in the antivirus software market since 1988, developing innovative strategies to protect information as new computing standards are adopted around the world.

Server Market Leadership

With the leading market share at the Internet gateway, Trend Micro is the global leader in server-based antivirus software (Source: IDC Market Analysis, Worldwide Antivirus Software Forecast and Analysis, 2003-2007).

Flexible, Best-of-Breed Technologies

Trend Micro antivirus products and services are designed to integrate seamlessly with leading firewalls, intrusion detection systems, and other best-of-breed solutions for the complete enterprise strategy.

Services and Support

Trend Micro products and services are backed by TrendLabs™, a global network of security research and support centers. TrendLabs monitors potential security threats worldwide 24x7 and develops the means to identify, detect, and eliminate new viruses.