

CASE STUDY

School: Menomonee Falls School District

District Size: 4,000 Students

Solution: Total Traffic Control

Focus: NComputing



“Lightspeed Systems was absolutely part of our decision to use NComputing. We were already using its anti-virus protection, content filtering, and email archiving. Learning how well it worked with NComputing made the move easy.”

Larry Cayo

Network Manager

Menomonee Falls School District

Lightspeed Customer Success

Wisconsin District Virtualizes Successfully with NComputing and Lightspeed

Overview

A primary challenge in today's schools is increasing computer access for students while living within the constraints of a tight, and sometimes dwindling, technology budget. One solution to this challenge is virtualization, which allows multiple students to access a single computer.

Menomonee Falls School District looked to desktop virtualization in order to enable multiple students to simultaneously access a single PC. But in order for their virtualization efforts to be successful, they needed to ensure that virtual sessions had the same security, filtering, monitoring, and reporting as regular sessions.

Challenge

Like many districts, Menomonee Falls faced the problem of insufficient funds for new computers, coupled with the desire to provide more students with greater computer access.

Network manager Larry Cayo turned to NComputing virtualization, which allows four to seven students to use a single computer. Each NComputing X300 kit includes virtualization software, a PCI card, and three access devices. The card, which plugs into a standard PCI slot in the shared computer, has three RJ-45 ports that connect via standard network cables (which also supply power) to the access devices. To create a separate workstation, standard peripherals, such as keyboard, mouse, monitor, speakers, and headphone, hook up to each access device.

Cayo recognized that the benefits of virtualization would be undone if the virtual sessions didn't adhere to the same policies, and result in the same reporting, as regular sessions. The district already utilized Lightspeed Total Traffic Control for network monitoring, management, security, filtering, and email archiving. Cayo needed to ensure that he would receive the same comprehensive control and reporting over his virtualized environment.

Solution

Because Total Traffic Control is uniquely able to identify users on virtual machines, Cayo was able to realize the benefits of virtualization without risking the security of his network or the safety of his students. With the Mobile Guide Filter installed on the host to provide remote filtering, Cayo is able to pinpoint users who violate, or attempt to violate, Acceptable Use Policies—so policies can be enforced and protection guaranteed.

Lightspeed Systems and NComputing worked together to combine the benefits of tailored K-12 security and desktop virtualization. “Lightspeed Systems was absolutely part of our decision to use NComputing. We were already using its anti-virus protection, content filtering, and email archiving. Learning how well it worked with NComputing made the move easy,” comments Cayo.

Cayo first upgraded the high school's science area, with three NComputing X300 hosts each serving four desktops “Once we had Lightspeed authenticating users on the host for reporting and Lightspeed Security Manager providing desktop antivirus protection, they were thrilled,”

says Cayo of the science department staff. Cayo is thrilled because each NComputing host represents an upgrade savings of about \$2,500. "We're currently in the process of renovating our high school and could place up to ten more NComputing hosts this summer."

In fact, the deployment has been so successful, Cayo says the district's replacement cycle will be revised so that over the next year instead of replacing computers in lab or group settings, NComputing solutions will be deployed. "As we re-visit more labs, we will be looking to use NComputing and Lightspeed more because it saves us lots of money by extending the life of our desktops."

Conclusion

With Lightspeed Systems's Total Traffic Control, Menomonee Falls is able to authenticate virtual users and secure the desktop in the new virtualization setup—at no extra cost. With comprehensive management, security, and reporting on each virtual session, the district is able to ensure that the cost-savings of virtualization don't result in a higher price paid in reduced student safety or network security. As a result of the test project's savings and overall effectiveness, the district has revised its replacement cycle to include more NComputing solutions.



About Total Traffic Control

Monitor, manage, filter, and secure your school's network with a single solution

Total Traffic Control is the complete solution for managing your school network's usage, health, and security. With this comprehensive solution you can monitor user activity, ensure Acceptable Use Policies are being followed (on email, the Web, or the desktop—both on the network and off), reduce dangerous and costly security threats, ensure school resources are utilized safely and effectively, and easily view and share critical information with custom reports.

About Lightspeed

Lightspeed Systems Inc., founded in 2000, develops comprehensive network security and management solutions for the education market. We are committed to helping schools operate their networks effectively and efficiently, so educators can provide safe online teaching and learning environments.

Our software is used in more than 1,000 school districts in the United States, the United Kingdom, and Australia to protect more than 5 million students. For the past two years, Lightspeed Systems has been recognized on the Inc. 5,000 list as one of the fastest-growing private companies.



Exceptional Service and Support

Our feature-rich solutions designed specifically for schools are the answer to your network management and security needs. But our unparalleled service and support mean our solutions will continue to deliver, long after their easy implementation. With any *Lightspeed Systems* solution, you can depend on:

- 24/7 live-person phone technical support.
- Comprehensive online knowledge bases.
- The Lightspeed Wiki, rife with user collaboration and product expertise.

Professional Development and Training

Professional Services:

We provide customized, collaborative professional development services to address your specific needs. For more information, please contact: ps@lightspeedsystems.com

Training:

To help you fully leverage your investment in Lightspeed Systems solutions, we offer an array of training options.

- Online introductory training and user demonstration videos.
- Administrator certification.
- Regional training throughout the U.S.

Contact Us

Learn more about our products and services at www.lightspeedsystems.com

We Welcome Your Calls and Emails

Lightspeed Systems
1800 19th Street
Bakersfield, CA 93301

Main: 877.447.6244
Support: 800.444.9267
Sales: sales@lightspeedsystems.com
Support: support@lightspeedsystems.com

See the powerful reporting, policy creation, and customization features of Total Traffic Control, and our component solutions, for yourself. Schedule an online demonstration: www.lightspeedsystems.com/demo