

Canada Schools Deploy Trend Micro™ Endpoint, Mail, Collaboration, and Web Security to Shield Students from Threats and Inappropriate Content

The Calgary Board of Education (CBE) is the largest school board in Western Canada. To help teachers and staff provide high-quality learning opportunities and to keep learning as the central purpose, IT must manage a large, complex network and deploy cost-efficient best-in-class security solutions that help prevent class disruptions.

.....

“We started by switching from McAfee to Trend Micro™ OfficeScan™ for endpoint protection. And over the years we’ve added email and collaboration security plus other solutions. They’ve done a great job for us.”

— Kevin Cavanagh,
Data Security Analyst
Calgary Board of Education

.....

KEY BENEFITS

- **Real-time Protection.** In-the-cloud Web Reputation, up-to-the-minute threat intelligence, zero-day technologies, and other instant protections stop more threats—sooner.
- **Comprehensive Security.** Multi-layered protection maximizes overall security for desktops, laptops, file and application servers, email, IM, and collaboration servers, and web gateways.
- **Built-in Malware Cleanup.** Automated detection and removal reduces the IT burden.
- **Streamlined Management.** A single console provides a consolidated view of all Trend Micro security to optimize efficiency and reduce administration.

PROTECTING CRITICAL INFORMATION ASSETS WHILE CONTROLLING COSTS

CBE serves a growing student population that is rapidly approaching 100,000 students. IT must manage the infrastructure that is a vital part of today’s classrooms, serving teachers, administrators, and students at more than 240 sites. Security is a mandated requirement, as CBE must block threats that could impact the availability of resources, keep inappropriate content away from students, and prevent the theft of sensitive personal and organizational data—a growing challenge.



With minimal growth of its staff over the last seven years, the small IT security team must deploy solutions that not only secure the organization, but also drive out inefficiencies and allow them to tightly control operating costs. And due to the complexity of today’s threats combined with stringent federal compliance requirements, the security solutions they deploy must deliver best-in-class capabilities.

In CBE’s distributed network environment, viruses, spyware, or other malware attacks can result in a lot of work for the security team, which can quickly translate into overtime costs and budget overruns. “More than six years ago, we saw the need to improve our overall protection from viruses and other threats,” said Kevin Cavanagh, a data security analyst within CBE’s IT operations group. “We started by switching from McAfee to Trend Micro™ OfficeScan™ for endpoint protection. And over the years we’ve added email and collaboration security plus other solutions. They’ve done a great job for us. Trend Micro has helped us secure all potential entry points, and we stick with Trend Micro because of the success it has given us in terms of avoiding incidents while minimizing our administrative efforts.”

CORPORATE PROFILE

Calgary Board of Education Calgary, Canada

The Calgary Board of Education (CBE) is the largest school board in Western Canada with close to 100,000 students and over 8,500 employees. With more than 200 schools, CBE provides quality learning opportunities and options for a diverse student population, and embraces values that include putting students first, keeping learning as the central purpose, and serving the common good of Calgarians.

- **Industry/Vertical** Public K-12 education
- **Employees** 8,500
- **Infrastructure** 240 sites (schools, administration);
30,000 PC users,
430 servers
- www.cbe.ab.ca

“Trend Micro gives us the tools we need to manage security throughout a large network. Whenever we need a consolidated view over all of our Trend Micro solutions, Trend Micro Control Manager™ adds a layer of intelligence with visibility right down to each desktop or server.”

— Kevin Cavanagh,
Data Security Analyst
Calgary Board of Education

MULTI-LAYERED SECURITY

The CBE network includes several Trend Micro solutions today:

- Trend Micro OfficeScan Client/Server Edition protects desktops and file servers.
- Trend Micro™ ScanMail™ Suite for Microsoft™ Exchange secures the email server.
- Trend Micro™ PortalProtect™ introduces security for CBE's SharePoint™ server.
- Trend Micro™ ServerProtect™ adds protection for non-Windows servers and for NetApp filers.
- Trend Micro Control Manager™ enables efficient management of all security solutions from a central console.
- Trend Micro™ Internet Security solutions are offered to CBE staff, to extend protection to homes and minimize the risk of infections being brought back to the school district's network.

PROTECTING TEACHER AND STUDENT DESKTOPS

OfficeScan Client/Server Edition has been deployed for many years within the CBE infrastructure, protecting desktops, laptops, and file servers. It stops the wide range of complex, blended threats and web-based attacks. CBE recently upgraded to OfficeScan release 8.0 and has benefited from many of the new features, including:

- Better protection from spyware and rootkits. A powerful new scan engine detects and removes spyware and grayware, including active and hidden rootkits.
- Integrated malware cleanup. “The new automated cleanup feature saves us time since we no longer have to clean and scan in two separate steps. Trend Micro continually enhances functionality so that security is easier to maintain on a day-to-day basis,” said Cavanagh.
- Certified support of Vista endpoints. New PCs with Windows™ Vista™ can be integrated seamlessly into the network without compromising security.

SECURING THE MAIL SERVER

CBE has also deployed Trend Micro ScanMail for email server security. “Trend Micro ScanMail Suite for Microsoft Exchange is extremely important in our environment,” said Cavanagh. “We get hundreds of thousands of email messages daily, and a large percentage of those messages are spam. ScanMail detects the wide range of malware that can come in over email, and also solves the spam problem.”

PROTECTING SENSITIVE DATA IN THE EMPLOYEE PORTAL

Like many businesses, CBE is continually working to streamline communications for its large workforce. A recently introduced SharePoint server gives employees a portal for accessing the latest information from management, corporate policies, PeopleSoft, and other applications related to human resources (HR) management.

Given the sensitivity of this information, building a secure portal was essential. CBE's security architects evaluated many SharePoint security solutions. "Previous success with Trend Micro and excellent results with ScanMail in particular led us to Trend Micro PortalProtect," said Cavanagh. "Since deploying the collaboration security, we've hardly had to touch it. Based on our track record with Trend Micro, we anticipate that it will be a smooth fit with our other solutions."

PROTECTING STORAGE FILERS

CBE takes advantage of network storage devices for the cost efficiencies and flexibility they offer. Like any other endpoint, file servers must be protected from viruses that can corrupt data assets or result in lost data. CBE relies on Trend Micro ServerProtect for Network Appliance filers to build in a comprehensive antivirus solution. The software provides centralized virus scanning, pattern updates, event reporting, and antivirus configuration. Real-time, high-performance scans are carried out on separate servers to minimize the impact on the NetApp filers and to remain invisible to users.

SIMPLIFYING ADMINISTRATION

All of the Trend Micro solutions deployed at CBE can be centrally managed with Trend Micro Control Manager. In addition to its consolidated view of security, a web-based console simplifies administration and reduces the need for desk-side visits. Unlike solutions from other security vendors, Control Manager does not generally require additional client software and offers great scalability for handling large, distributed infrastructures such as the CBE network. With Control Manager, all updates and global alerts can be deployed through a single, centralized console. Reports of network-wide security can be customized to suit the needs of both IT and CBE management teams.

"Trend Micro gives us the tools we need to manage security throughout a large network," said Cavanagh. "The individual consoles are easy to use, and whenever we need a consolidated view over all of our Trend Micro solutions, Control Manager adds a layer of intelligence with visibility right down to each desktop or server."

TREND MICRO PRODUCTS

- **Trend Micro OfficeScan Client/Server Edition**
<http://us.trendmicro.com/us/products/enterprise/officescan-client-server-edition/index.html>
- **Trend Micro ServerProtect for Network Appliance Filers**
<http://us.trendmicro.com/us/products/enterprise/serverprotect-for-netapp/index.html>
- **Trend Micro ScanMail Suite for Microsoft Exchange**
<http://us.trendmicro.com/us/products/enterprise/scanmail-for-microsoft-exchange/index.html>
- **Trend Micro Control Manager**
<http://us.trendmicro.com/us/products/enterprise/control-manager/>
- **Trend Micro PortalProtect**
<http://us.trendmicro.com/us/products/enterprise/portalprotect/index.html>
- **Trend Micro InterScan Web Security Suite**
<http://us.trendmicro.com/us/products/enterprise/intercan-web-security-suite/index.html>
- **Trend Micro Internet Security**
<http://us.trendmicro.com/us/products/personal/internet-security-2008/index.html>



©2008 by Trend Micro Incorporated. All rights reserved. Trend Micro, the Trend Micro t-ball logo, InterScan, OfficeScan, PortalProtect, ScanMail, ServerProtect, and Trend Micro Control Manager are trademarks or registered trademarks of Trend Micro, Incorporated. All other product or company names may be trademarks or registered trademarks of their owners. Trend Micro Incorporated reserves the right to make changes to this document and to the products described herein without notice.
SS09CBE080926CA
www.trendmicro.com