



Comprehensive global security

Comprehensive security on the network, at the perimeter and throughout your technology stack.



Complete security offering

As your business strives for growth, how will you ensure that your data remains safe and secure, and that you comply with all relevant legislation and regulations?

Cogeco Peer 1 is passionate and determined about security. At every level, within every physical location, and across all our network, cloud and hosting platforms, we provide a range of robust and up-to-date security measures and additional value-added security services.

We take a modular approach, providing a suite of powerful building blocks to protect your data, whether in transit, at rest or during application processing:

- **Network perimeter and remote access security:** ensures the core technologies are in place to secure your network and data, and maintain a strong quality of service
- **Compliance services:** help you keep your platforms security optimized and also meet a wide range of regulatory requirements
- **Application and hosting security:** enables you to meet additional specific security challenges with a comprehensive suite of solutions
- **IT services security:** applies protection at the application level, with anti-virus and anti-spam
- **Physical security:** ensures the integrity of the Cogeco Peer 1 network and its data centres.

Moreover, our global network of state-of-the-art data centres are connected with over 25,000 miles of always-available FastFiber Network™—giving you the flexibility to act globally while also satisfying local market needs, compliance duties, and requirements for data sovereignty.

“The competition didn’t even come close when compared with the kind of involvement, helpfulness, patience and knowledge we received from Cogeco Data Services.”

- James Kennedy, Managing Director of Finance and Operations, iMason

“With over 6.5 million members in a massive multiplayer environment, having a stable, scalable and reliable network is critical to our success.”

- Nicolas Lee, Chief Technology Officer, WoozWorld

Network perimeter and remote access security

Range of flexible firewall options

Cogeco Peer 1 offers a range of network perimeter firewalls—both dedicated and shared (virtual), and managed or unmanaged—to protect colocation, hosting and cloud solution platforms. We use world-class firewall hardware that's monitored and managed around the clock by a team of security experts, to ensure that only legitimate traffic reaches your servers.

Our dedicated firewalls filter incoming traffic based on robust rules that are customized for your hosting platform. Multi-tenant firewalls provide highly robust security for shared platforms, yet with options for individual firewall rules on a solution-by-solution basis. Dedicated firewalls offer greater performance and compliance while shared firewalls enable you to quickly scale security policies globally.

Key features and benefits (depending on solution and location):

- **Source-/destination-based IP/port filtering:** silently rejects malicious traffic, both inbound and outbound, while maintaining optimal performance
- **Port scan protection:** detects and blocks malicious scans of your network, and shuts down attacks before they can start
- **ICMP/UDP/DSYN flood protection:** prevents your hosting platform being brought down by malicious denial-of-service traffic overloads, logging all suspicious traffic
- **IP-SEC site-to-site VPN:** enables secure connection to your firewall from your office or mobile location
- **Remote access site-to-site VPN:** Dynamic VPN feature for client to site VPNs
- **IP address spoofing protection:** ensures that imposter traffic, claiming to be part of your trusted network, is identified and blocked
- **Malformed packet protection:** investigates inside data packets to ensure their integrity
- **Wide range of hardware options:** provides the right level of protection, whatever your traffic levels or availability needs.

DDoS Shield

Distributed Denial of Service (DDoS) Shield provides real-time protection for your applications and cloud platforms against a range of known and emerging network security threats. These include Denial of Service (DoS) and DDoS attacks, Internet pipe saturation, attacks on login pages, attacks behind Content Delivery Networks (CDNs), and volumetric SSL¹-based flood attacks.

Key features and benefits:

- **Capable of blocking attacks launched at the network:** helps you ensure maximum customer satisfaction
- **Comprehensive reporting:** provides information on where attacks come from and their strength
- **Fully managed service:** includes setup, installation, configuration and end-to-end monitoring for complete peace of mind
- **Incident management:** mitigates the effects of attacks, ensuring business continuity and productivity, and preventing information theft.

Remote access and VPN services

Cogeco Peer 1 offers highly secure, flexible and cost-effective network infrastructure for your organization that's easy to administer and will adapt to your changing business needs:

- Remote access solutions for the administration and management of Cogeco Peer 1 hosted and cloud solution platforms
- Internet Protocol Security (IP-SEC) VPNs that create a single, global, secure and private network between your office premises and Cogeco Peer 1 colocation, hosted and cloud solution platforms.

Key features and benefits:

- **Layer 3 access:** makes it easy to implement the VPN and also deploy flexible services
- **Available Dynamic VPN:** enables simple, secure access to multiple data centre locations without the complexity and inconvenience of having multiple VPN/IP-SEC tunnels
- **Fully managed service:** includes setup, installation and configuration
- **Remote Access Services (RAS):** provides secure connectivity to the VPN from anywhere
- **Industry-leading performance management options:** includes pro-active monitoring and notifications along with web-based performance reporting
- **Industry-leading Service Level Agreement (SLA):** guarantees constant availability.

¹ Secure Sockets Layer.

Compliance services

PCI DSS compliant hosting

Cogeco Peer 1 makes compliance easy by providing colocation and managed hosting options that meet the stringent security requirements of the Payment Card Industry (PCI) Data Security Standard (DSS). All our PCI DSS facilities are regularly audited by an independent third party to ensure that both the infrastructure and administration practices are certified as a Level 1 service provider, the highest standard of assurance offered.

Key features and benefits:

- **Guaranteed compliance with industry standards:** provides complete peace of mind for you, and also for your customers
- **Expert, round-the-clock support:** ensures your solution runs smoothly and securely
- **High-speed, dedicated global infrastructure:** supports outstanding performance.

Range of scans and security audits

Cogeco Peer 1 offers a range of security scans and professional services consultations to ensure that your services are fully secure at all times.

- **Basic security scan:** checks your server platforms for the top 30 viruses and respective variants, providing a highly cost-effective way of checking the general health of hardware
- **Vulnerability scan:** probes your servers for an extensive range of security vulnerabilities, and provides a summary report of potential weaknesses and recommendations
- **Enhanced security audit:** complete server-side scan, comprising in-depth registry sweep; intrusion, root kit and warez detection; folder volume checks; user and permissions audit; patch update level analysis, and thirty-minute expert consultation.

Key features and benefits:

- **Highly cost effective:** regular, flexible options for server health checks
- **Comprehensive capabilities:** scan for over 32,000 vulnerabilities, updated regularly—including backdoors and Trojans, CGI abuses and weaknesses in HTTP/FTP and buffer overflow
- **Detailed reporting:** with recommendations to resolve issues identified
- **Scheduled and ad-hoc scanning:** deployed easily with no software installation or maintenance
- **PCI DSS compliant:** vulnerability scans are based on software from an Approved Scanning Vendor (ASV), certified by the PCI Security Standards Council
- **Expert advice available:** helps you save time, money and hassle by adopting best practice.

Application and hosting security

Vigilant Web Application Firewall

Cogeco Peer 1's vigilant Web Application Firewall (WAF) acts behind your perimeter firewall to detect unexpected behavior and data patterns, protecting the applications themselves from malicious traffic, and ensuring maximum uptime. This Security-as-a-Service solution includes constant and expert monitoring, with ongoing tuning and management, to ensure you are fully protected at all times.

Key features and benefits:

- **No capex and minimal monthly costs:** ensures outstanding value proposition
- **Strong compliance:** enables you to meet PCI-DSS Requirement 6.6
- **Proactive protection:** includes whitelist, blacklist, OWASP² Top 10 and zero-day exploits
- **Intuitive learning engine:** intelligently compares current traffic with average patterns
- **Rapid deployment:** in just a few days, compares very favorably with lengthy DIY WAF implementations
- **Fully managed service:** includes setup, configuration, optimization, monitoring and updates.

SSL certificates

SSL certificates from a trusted Certificate Authority, such as Symantec™, confirm to your website visitors that you are an actual legitimate business and that it's safe to share personal data with you. The certificate sits on a secure server and provides encryption services for your customers' personal and credit information, protecting it from criminals, and also storing information about your business and domain.

Key features and benefits:

- **Symantec™ certificates recognized globally:** strengthens your brand trust
- **Strong compliance:** helps you comply with PCI-DSS.

Log-monitoring

Cogeco Peer 1 provides log-monitoring tools that enable you to detect security issues in real-time, and respond before there are any negative consequences. You can search across logs, to tie events together in multiple systems, and also review and respond to incidents, helping you meet compliance requirements.

Key features and benefits:

- **Monitor events in real-time:** enables rapid problem identification
- **Audit trail capabilities:** improves compliance capabilities.

² OWASP = Open Web Application Security Project.

Intrusion detection and prevention

Cogeco Peer 1's intrusion detection and prevention services continually analyze network traffic to identify and stop any threats before they reach your network. They provide a critical layer of defense against a range of menaces that might be targeting your hosted and cloud environments, including DoS, DDoS and Worms, and that are often missed by stand-alone security components.

Key features and benefits:

- **Full visibility of the network:** Cogeco Peer 1's unique perspective gives you most comprehensive solution possible
- **Global Operations Centre (GOC) staffed by Global Information Assurance Certified (GIAC) analysts:** provides expert advice at all times
- **Managed Services with no capex and minimal monthly costs:** ensures outstanding value proposition
- **Fully managed service:** includes setup, configuration, optimization, monitoring and updates.

Hardened operating systems

Removing elements from core operating systems that are unnecessary for your specific applications improves performance and reliability while also reducing the number of potential security vulnerabilities. Cogeco Peer 1 offers both Windows and Linux as hardened operating systems, and can also provide hardened operating system templates to those who need extra security to comply with Requirement 2.0 of the PCI DSS Standards.

Key features and benefits:

- **Enhanced efficiency and speed:** helps your application to run faster and more reliably
- **Fewer vulnerabilities that can be targeted:** considerably improves security
- **Tried and tested Cogeco Peer 1 configurations:** ensures peace of mind.

IT services security

Managed anti-virus and anti-spam

The managed anti-virus and anti-spam service from Cogeco Peer 1 protects you against viruses, worms and Trojans that spread via e-mail. It filters your e-mail at the Internet level, blocking unwanted messages before they impact on your local network.

Key features and benefits:

- **Reduced network and storage costs:** eliminates spam and viruses before they even reach your e-mail gateway
- **Comprehensive support:** covers a wide range of industry standard anti-virus and e-mail systems
- **Fully managed service:** includes setup, installation, configuration and end-to-end monitoring for complete peace of mind
- **Incident management:** prevents the spread of viruses and stops spam.

Managed web content filtering

Cogeco Peer 1's managed web content filtering service blocks unsafe URLs and unwanted data at the Internet gateway, preventing it from entering your network. It enables you to protect your users from undesirable content and also to apply acceptable browser usage policies.

Key features and benefits:

- **Flexible filtering:** enables you to define the content, site category and virus policies (custom black and white list)
- **Continuously updated, industry-leading ratings database:** enables strong compliance
- **Fully managed service:** includes setup, installation and configuration
- **Maintenance management:** ensures you always have the most up-to-date filters.

Physical security

Data centre security

Cogeco Peer 1 has 21 world-class data centres located across North America and Europe, all with highly robust physical security features to ensure that only authorized individuals can gain access.

- 24x7x365 on-site security personnel
- Monitored, closed-circuit TV
- Military-grade pass card access
- Biometric hand scan access control
- Plus additional capabilities at selected data centres.

Network security

Cogeco Peer 1 constantly scans its FastFiber Network™ for anomalous traffic patterns and security threats, taking immediate action to identify and stop any malicious activity.

- 24x7x365 expert monitoring from the Network Operations Centre (NOC)
- Persistent health monitoring polls all network elements every two seconds
- Any issues are escalated to senior teams within 10 minutes for fast resolution
- Dedicated network: over 25,000 miles of fiber for Cogeco Peer 1 traffic alone.

How we work

Cogeco Peer 1's managed services are based on an ITIL IT Service Management Framework that adopts a service-oriented and well-defined process for the delivery of IT services.

You gain access to the latest technologies, best practices and expert consultants with a wide range of skills—all backed by industry-leading service level agreements, 24x7x365 proactive support and Cogeco Peer 1's FirstCall Promise™.

- **Best practice service delivery:** set by Information Technology Infrastructure Library (ITIL)
- **100% uptime guarantee:** ensuring maximum reliability for your entire platform
- **FirstCall Promise™:** one call is all it takes to galvanize our team into resolving your issue
- **Technical Account Manager:** expert, long-term, one-to-one support
- **Strong experience:** with over a decade of delivering customer delight
- **Focus on certification:** ensuring our technicians are up-to-date with the latest technologies
- **Full time risk and compliance officers:** managing SLA and compliance globally.

Next steps

Ready to get going?

All the support you need to succeed is right here, helping you evolve your IT strategy by balancing your day-to-day work with delivering a truly transformational Security operation.

- Access unmatched technical expertise
- Save on internal headcount
- Enjoy the freedom to focus on your organization's commercial success
- Mitigate risk and enjoy peace of mind by leveraging best practice.

Sounds good? Then let's talk.

Call us on **1.866.579.9690** or visit **cogecopeer1.com**

About Cogeco Peer 1

Cogeco Peer 1 is a wholly-owned subsidiary of Cogeco Communications Inc. (TSX:CCA) and is a global provider of essential business-to-business products and services, such as colocation, network connectivity, managed hosting, cloud services and managed IT services, that allow customers across Canada, the United States and Western Europe to focus on their core business. With 21 data centres, extensive FastFiber Network™ and more than 50 points-of-presence in North America and Europe combined, Cogeco Peer 1 is a trusted partner to businesses small, medium and large, providing the ability to access, move, manage and store mission-critical data worldwide, backed by superior customer support.

To learn more about how our Data Centre Services can help your organization, please visit www.cogecopeer1.com

Ready to
learn more?

Streamline your IT with
Cogeco Peer 1.

Visit
www.cogecopeer1.com

CA
413 Horner Ave,
Etobicoke,
ON M8W 4W3
1.866.579.9690

US
250 E Grayson St,
San Antonio,
TX 78215, United States
1.888.978.7251

UK
30 Town Quay,
Southampton
SO14 2AQ, United Kingdom
0800 840 7490