

# Bell blazes the network security trail at the 2010 Olympic Winter Games.

“We needed to be 100% available during Games time, which is why we paid so much attention to security. In partnership with Bell, we created an integrated risk management network solution built around trusted people, processes and technology”

- Barry Caswell, Director of IT Operations and Security, VANOC

## The customer

The Vancouver Organizing Committee for the 2010 Olympic and Paralympic Winter Games (VANOC)

## The need

Safeguard Bell's 2010 Olympic Winter Games network and vancouver2010.com Web portal from virtual intruders, equipment malfunctions, human error and natural disasters

## The solution

Managed and Professional Security Solutions from Bell, including:

- Managed Firewall Services
- Managed Intrusion Detection and Protection
- Managed Network Security for Content
- Vulnerability Assessment and Penetration Testing
- Business Continuity Consulting Service

## The results

- Information was kept private and protected for a record 300 million visitors to the Bell-designed and architected vancouver2010.com portal
- Airtight security of the core network infrastructure and Web portal to provide continuous availability for millions of people around the world
- Built-in disaster recovery plans created, but no requirement for implementation due to inherent security



The Bell team delivered a secure network solution to ensure zero downtime and 24/7 access for thousands of staff and billions of spectators.

## Inherent security safeguards Bell's 2010 Olympic Winter Games Network and VANOC's vast Web presence

The Vancouver 2010 Olympic and Paralympic Winter Games was the most-watched Winter Games in history, with 300 million visitors to the vancouver2010.com portal and 3.5 billion television viewers. It was also the most mobile, providing anywhere/anytime network access to thousands of employees, volunteers and spectators.

With so much activity, it was critical for VANOC to implement a robust and secure website and network infrastructure.

“Every word spoken and written, and every picture taken went across the Bell network so the world was watching how the backbone of our infrastructure performed,” says Barry Caswell, Director of IT Operations and Security, VANOC.



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From Day One, VANOC and Bell worked together to build a communication architecture that reflected the overall vision and strategy. Bell paid particular attention to building in redundancy, security, high availability and business continuity elements to ensure proper measures were in place to protect all Games information and content.

For instance, the Managed Firewall Security Solution, designed by Bell, involved three pillars – configuration, management and surveillance – and included authentication and securing the perimeter through firewalls to prevent outside attacks.

A robust firewall was only one piece of the equation. Malicious code created by professionals seeking financial gain makes today's threat landscape more sophisticated than ever before - making the vancouver2010.com portal VANOC's biggest security concern.

Leading up to the Games, Bell Professional Services conducted Vulnerability and Penetration Testing on all facilities to ensure the right measures were in place for securing the core infrastructure from a potential cyber attack. Bell also built in disaster recovery and business continuity plans ahead of the Games to prevent disruptions.

The vancouver2010.com portal received more than 1.1 billion page views during the Games, which made it critical to have a dedicated team of experts from VANOC and Bell working around the clock during the Games to prepare for the unexpected.

The hard work paid off. One trillion packets of data traversed Bell's Olympic network, yet there was zero downtime during the 17 days and no need to implement any backup plans.

"When we described our challenge of a super high level of availability and scalability to Bell, they understood our objectives, our audience, and our scope of delivery," says Mr. Caswell. "They understood our endpoint of thousands of people on the other end of access switches and having to build a solution that was reliable and survivable. They proved to be trusted experts in the field, and that saved money and time in the delivery. Bell truly lived up to our expectations and to its reputation as Canada's telecommunications and network security leader."

For more information contact your Bell representative or visit [bell.ca/enterprise](http://bell.ca/enterprise).

