Fortifying Canada’s Cyberspace: Together

John Weigelt
CTO, Microsoft Canada
Our goal for Canada is to have a world leading digital economy; to be a nation that creates, uses and supplies advanced digital technologies and content to improve productivity across all sectors.
Cyber Enables the Canadian Economy

Canada Daily Exports:
- $1B in merchandise
- $323 M @ Windsor
- $178M in Energy
- $178M in Services
- $166B Financial Transactions
- $46M Processed Food Products
- $69M via eCommerce
Cross Sector Approach

National Cross-Sector Forum
Membership: private sector, governments (federal, provincial, territorial)

- Energy & utilities
- Finance
- Food
- Transportation
- Government

- Information & communication technology
- Health
- Water
- Safety
- Manufacturing

National Strategy
for Critical Infrastructure
Cyber Security Strategy

- Securing Government Systems
- Partnering to secure vital cyber systems outside the federal Government
- Helping Canadians to be secure online
Securing Government Systems

- Email Transformation
- Data Centre Consolidation
- Telecom Transformation
- Workplace technology Devices
The CRTC takes action against telemarketers offering anti-virus software

OTTAWA-GATINEAU, October 3, 2012 — Today, the Canadian Radio-television and Telecommunications Commission (CRTC) took enforcement action against two companies based in India for breaking Canada’s telemarketing rules. The CRTC is requiring Pecon Software Limited and Avanseh Software Private Limited to put a stop to their current telemarketing practices and to pay $495,000 and $12,000, respectively, in monetary penalties. The CRTC also conducted inspections as part of this ongoing investigation.

The CRTC found that these companies were making unsolicited telemarketing calls to Canadians who had registered their numbers on the National Do Not Call List. The caller would typically warn consumers that their home computer was infected with a virus and encouraged them to purchase online technical support or anti-virus software. In certain cases, the callers would request remote access to the computer.

"Foreign-based telemarketers have been put on notice that they must comply with our rules when calling Canadians," said Andrea Rosen, the CRTC’s Chief Compliance and Enforcement Officer. "Canadians who receive these types of unsolicited calls are encouraged to file a complaint and should never give an unsolicited caller access to their computers or personal information."

The CRTC’s investigation was part of a broader strategy involving close collaboration with the U.S. Federal Trade Commission (FTC) and the Australian Communications and Media Authority. Today, the FTC announced that it has filed a complaint in U.S. federal district court against the American office of one of the Indian companies involved in this investigation.
Extensive global telemetry

Malicious Software Removal Tool
user base of over 600m computers worldwide

Forefront Online Security for Exchange
scans billions of e-mail messages per month

Internet Explorer
with Smartscreen, Microsoft Phishing Filter

Microsoft Security Essentials
Available in over 30 languages worldwide

Bing
Billions of webpages scanned each month

Hotmail
Over 280 million active users
Published 14 volumes and 3 special editions in past 6 years

- Featured stories: deceptive downloads, conficker, determined adversaries

- Worldwide Threat Assessment
  - Vulnerability trends
  - Exploit trends
  - Malware and potentially unwanted software

- Regional Threat Assessments
  - 105 countries/regions including Canada, UK, France, US
SCP:

• A worldwide program providing a structured way for governmental organizations responsible for computer incident response, protection of critical infrastructure, and computing safety to collaborate with Microsoft in the area of IT security

• Includes incident response, information exchange, and public outreach components
Microsoft DCU: A worldwide team of lawyers, investigators, technical analysts and other specialists whose mission is to make the Internet safer and more secure through strong enforcement, global partnerships, policy and technology solutions that help:

- Promote a secure Internet
- Defend against fraud and other threats to online safety
- Protect children from technology-facilitated crimes
- Champion a healthy Internet marketplace for advertisers and businesses

Fusion Center: A collaborative approach bringing together key partners from both inside and outside the company to understand and disrupt digital crime
Microsoft Security Response Center

Delivering World-Class Security Response

Experience and dedication
- Monitoring and managing Microsoft vulnerabilities for more than 10 years
- Providing customer guidance and education

Expertise
- Staffing public reporting alias—secure@microsoft.com
- Responding to security incidents

Industry-leading

Active Security Collaboration

Global conference engagement
- Cosponsoring or attending >60 security conferences worldwide

Deep industry collaboration
- MAPP, MSVR, ICASI
- CERT, SCP, and Government Engagement

Coordinated vulnerability disclosure

Advancing Quality and Innovation

Building better defenses
- MSRC Engineering

Progressing security response and information sharing
- Year-over-year evolution
- WW Global Releases
- Predictable across multiple segments

Continuous learning and sharing

www.microsoft.com/msrc
Education and Awareness

- GetCyberSafe.ca Launched October 2011
- Partnerships with Industry and International organizations
- Coordinated activities throughout the year
Academic Partnerships

DEFENCE R&D Défense

IQC Institute for Quantum Computing

Concordia CSL

Welcome to Computer Security Laboratory