

Magnet Forensics

Digital Investigation Solutions used by the global public safety community to assist in their criminal investigations and enterprises in incident response



Built by Police for Police



Committed to Giving Back



Proudly Canadian



MISSION:

To impact people's lives by uncovering the truth and empowering others to make a difference.

VISION:

Help modernize policing for the 21st century:

Equipping law enforcement agencies with the necessary tools to combat the crimes of today to help them more effectively serve and protect their citizens.



Magnet Forensics Core Capabilities

Current solutions being used by in investigations with digital evidence

COLLECTION



 Get data off smartphones, computers, IoT devices and the cloud

PROCESSING



 Piece together critical evidence from hundreds of apps

ANALYSIS



- Help make sense of all the data
- Give investigators a better start with AI and visualization tools

REPORTING



- Prosecutor and jury friendly reports
- Forensically sound to hold up under scrutiny



Trusted by over 4000 agencies in over 100 countries

Police, national security and other agencies with investigative authorities

Municipal/Provincial Waterloo Regional **Police Service**







London Police Hamilton Police Service Service





Federal

Competition

Bureau



CFNIS

Department of Finance







CRA



DHS



US



FBI

DIA



NYPD



UK National Crime Agency



Hong Kong Customs & Excise

POLICE



Global



French National Police



Singapore

Police Force

METROPOLITAN

London Met Police

Dutch National Police



Toronto Police

Service

Global Private Sector Adopting Magnet's Solutions

Fortune 500, Pro-Services Firms and Digital Forensics/Cyber Specialists























Grant Thornton



















US-Terrorism Case

Magnet Forensics' products making a tangible impact



30 devices confiscated in the investigation



Communication/internet activity across multiple apps/languages



Living suspect's motive was established through digital evidence recovered by a Magnet tool.

"Tsarnaev had extremist material on multiple devices, FBI Agent Testified"

- Boston Globe



6.7 terabytes of discovery

1 month to analyze the digital evidence.



"Thousands of gigabytes of digital evidence"





Indian Fraud Case

Magnet Forensics' products making a tangible impact



Kolkata Police outsourced fraud investigation to "Truth Labs" who have technical digital forensic expertise

Suspects accused of impersonating Microsoft support workers.



"Digital investigators recovered instruction documents outlining how to speak with victims..."

100s of victims' PII and banking information found in recovered evidence





Canadian-Child Exploitation Case

Magnet Forensics' products making a tangible impact



18 computers and hard-drives confiscated in the investigation

Attempts to lure minors over multiple social media applications



"Jail for teacher who lured kids online"





Conviction secured of a local teacher who had taught children whom he was communicating with.

2,000 child pornography video 9,500 child pornography image recovered using Magnet's tool

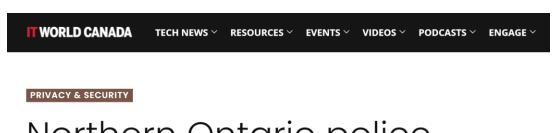






Cyberattacks are growing in number and complexity

Police agencies are limited in their ability to investigate



Northern Ontario police force recovering from ransomware attack



Toronto hospital working to restore systems after being struck by cyber attack



BY KELLYTURNER
POSTED SEP 3, 2021 10:33 AM EDT LAST UPDATED SEP 3, 2021 AT 1:58 PM EDI

attacks: expert



Major ransomware attack aimed at tech provider leaves other companies scrambling



Cybercrime

Entering the Canadian political discourse

▼ Open letter to Canadian organizations about ransomware

RE: Protecting yourself from the threat of ransomware

December 6, 2021

Fellow Canadians

Since the beginning of the COVID-19 pandemic, we have all been reminded of how crucial the internet is to our way of life. More and more of us have been working and studying from home and conducting business online, and it is therefore more important than ever that we take steps to remain cyber safe.

Across the world, we have seen a marked rise in the volume and range of cyber threats – and Canada is no exception. This includes a surge in ransomware incidents – a tactic wherein threat actors deny access to an organization's most important informational or vital systems until organizations pay the threat actor, usually in digital currency. This year, we have seen a growing number of ransomware threats targeting Canadian small and medium-sized businesses, health care organizations, utility organizations, and municipalities.

There is, however, good news. By adopting basic but appropriate cyber security practices, we can all help stop the vast majority of cyber incidents targeting Canadians.

You, and your organization, are not alone

The Communications Security Establishment's Canadian Centre for Cyber Security (the Cyber Centre) and the Royal Canadian Mounted Police (RCMP) urge all Canadian organizations and businesses to take steps to review and strengthen the cyber security of your networks, systems, and information – and we are here to help.

Together with law enforcement agencies, and other federal and international partners, we are working hard to make threat information more publicly available and provide you with specific advice and guidance to help you stay safe from the impacts of ransomware. Canada is also working closely with our allies to pursue cyber threat actors and disrupt their capabilities. We are also assisting in the recovery of organizations compromised by ransomware, and helping them to be more resilient poing forward.

To keep yourselves and all Canadians safe, we're asking you to take action. Our national cyber security must involve efforts from industry partners, small and medium sized businesses, and all Canadians. Our message is clear: taking basic steps to ensure your organization's cyber security will pay swift fluidends.

Taking action is worth it.

To assist your organization, the Cyber Centre has published best practice guidelines. As Canada's national technical authority for cyber security, the Cyber Centre provides extensive advice and recommended IT actions to organizations to help militigate the threat of ransomware. Canadian organizations should invest in these inexpensive but effective <u>baseline cybersecurity controls</u> to limit their exposure to cyber attacks. You can refer to the <u>Ransomware Playbook</u> for specific advice. Once you have implemented these practices, we encourage you to register with the <u>CyberSecure Canada program, thus attesting to your cyber security status and certifying that protective measures are in place.</u>

If your organization is threatened with or falls victim to ransomware, you should implement your recovery plan, seek professional cyber security assistance, and immediately report the incident to the Cyber Centre's <u>priline portal</u> as well as your local police. Timely reporting is critical to help us identify the threat vector and update our guidance, make linkages across separate incidents, launch law enforcement investigations and take action against cybercriminals, and ultimately reduce the risk to other Canadians.

It's time to think seriously about cyber security. We urge you to take stock of your organization's online operations, protect your important information and technologies with the latest cyber security measures, build a response plan, and ensure that your designated IT security personnel are well-prepared to response to incidents.

Your government is here to help.

Together, we can make Canada the most cyber secure place to conduct business and other activities online.

Sincerely

The Honourable Anita Anand, PC, MF Minister of National Defence

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The Honourable Marco E. L. Mendicino, PC, Mi

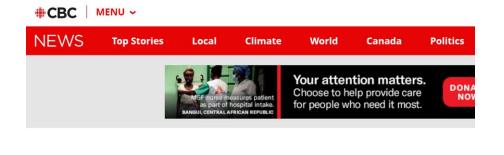
Minister of Public Safety

The Honourable Bill Blair, PC, MP

Minister of Emergency Preparedness and President of the Queen's Privy Council for Canada

The Honourable Mary F. Y. Ng, PC, MP

Minister of International Trade, Export Promotion, Small Business, and Economic Development



Federal government may make reporting cyberattacks mandatory: Mendicino

Politics

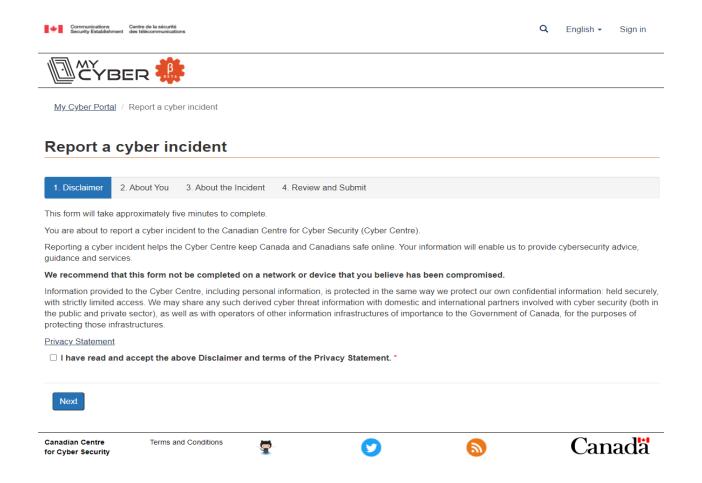
"Increasingly, criminality is conducted on the internet and investigations are international in nature, yet investigative tools and RCMP capacity have not kept pace. Growing expectations of policing responsibilities and accountability, as well as complexities of the criminal justice system, continue to overwhelm the administrative demands within policing."

-RCMP Memo to Commissioner Lucki



Public Reporting of Cybercrime

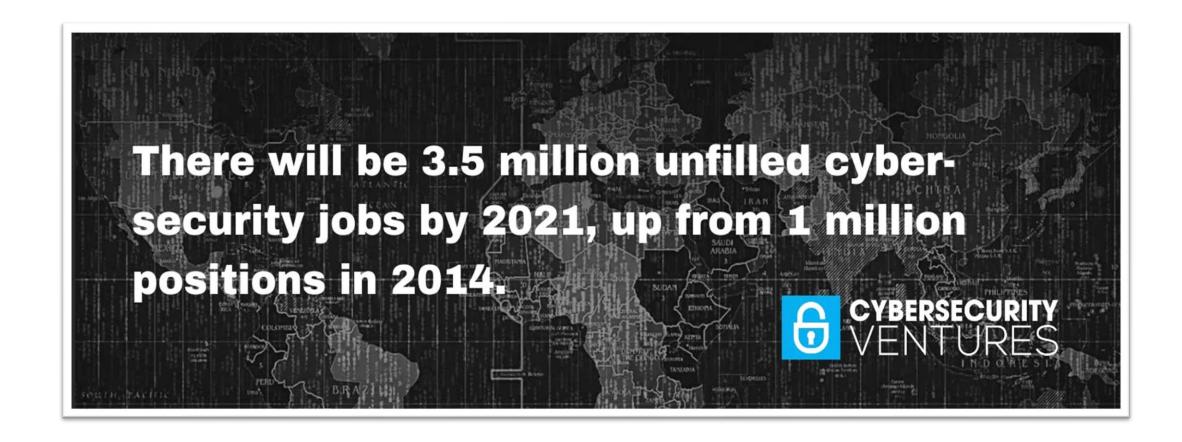
Are police agencies able to maintain the public's trust under the status quo?





The Cyber-Talent Crunch

Can police agencies keep pace?





CybercrimeThe face(less) suspects and victims







Encryption





Cloud Computing

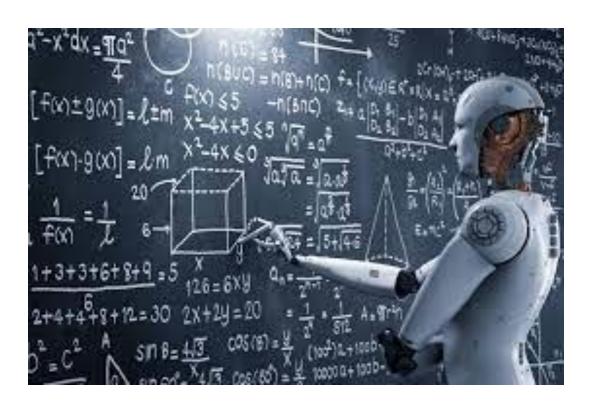




The Dark Web



Artificial Intelligence





Technology Transforming the Rule of Law Web 3.0 - Cryptocurrencies / Blockchain / Metaverse







Opportunity to build public trust, safety and prosperity

General purpose, policing technologies and platforms for the vulnerable





Opportunity to build public trust and safety

Innovation in public policy





Opportunity to build public trust and safety

Innovation in career opportunities





Thank you // Discussion



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