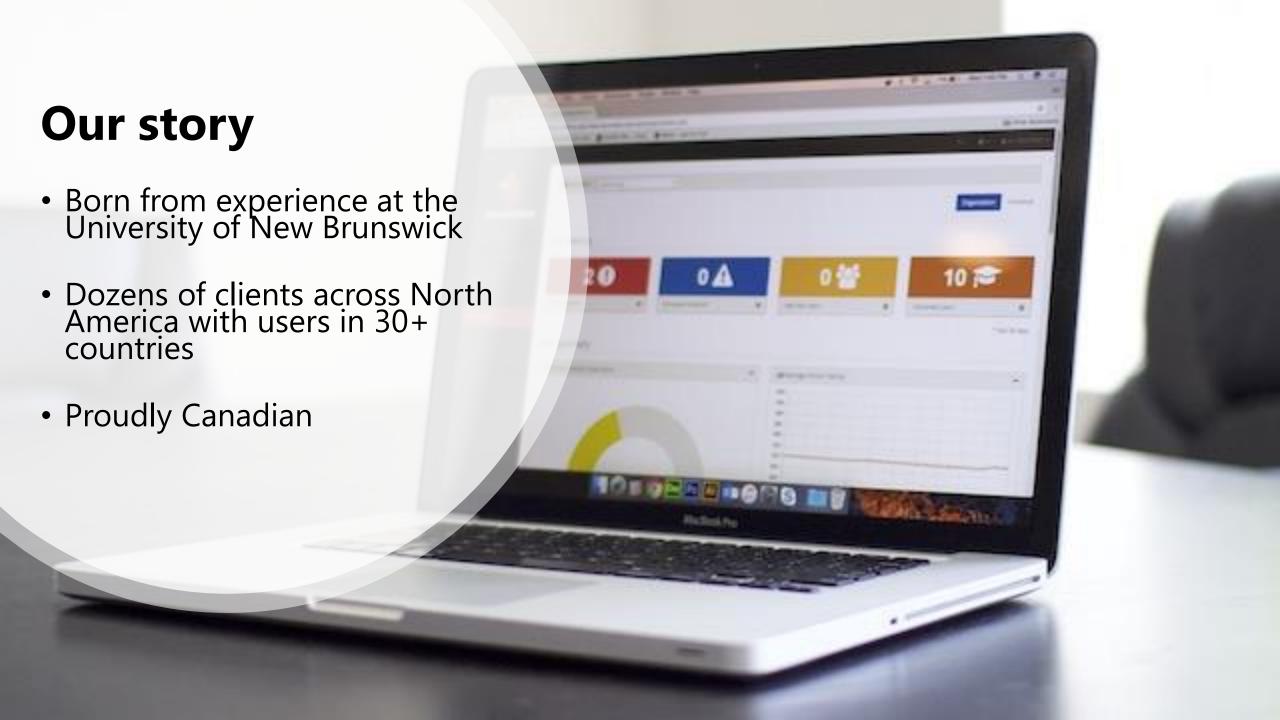


About David

- Bachelor of Arts,
 Information and
 Communications Studies
- Master of Business Administration
- Certified Information
 Security Manager
- Former journalist, soldier









Cyber history

- "Cyberspace" William Gibson, '82 – Burning Chrome
- Cybernetics Norbert Weiner, 1948
- Kubernétés Greek for steersman or helmsman





"The trouble with our times is that the future is not what it used to be."

— Paul Valéry

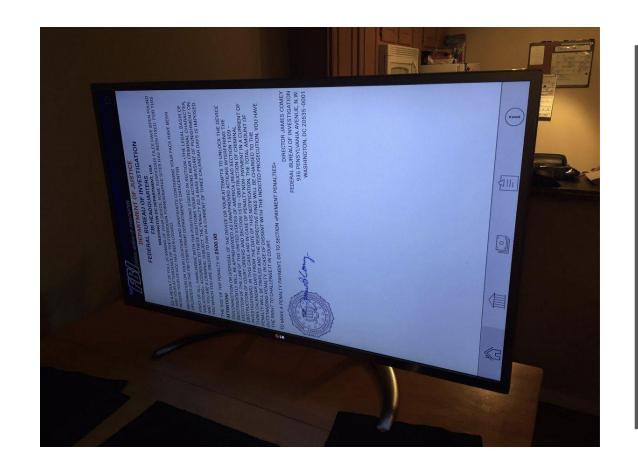
How we perceive the Internet



What it's really like



The Internet was never designed to be secure





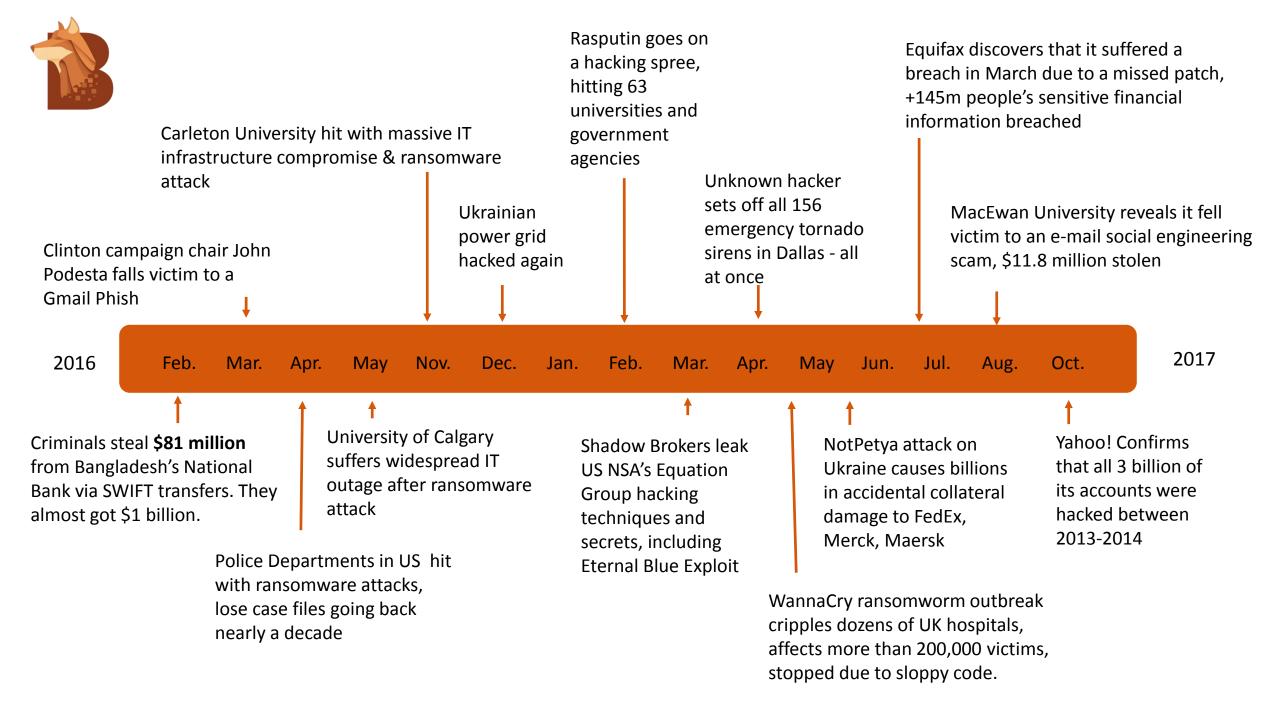
Hacking the home

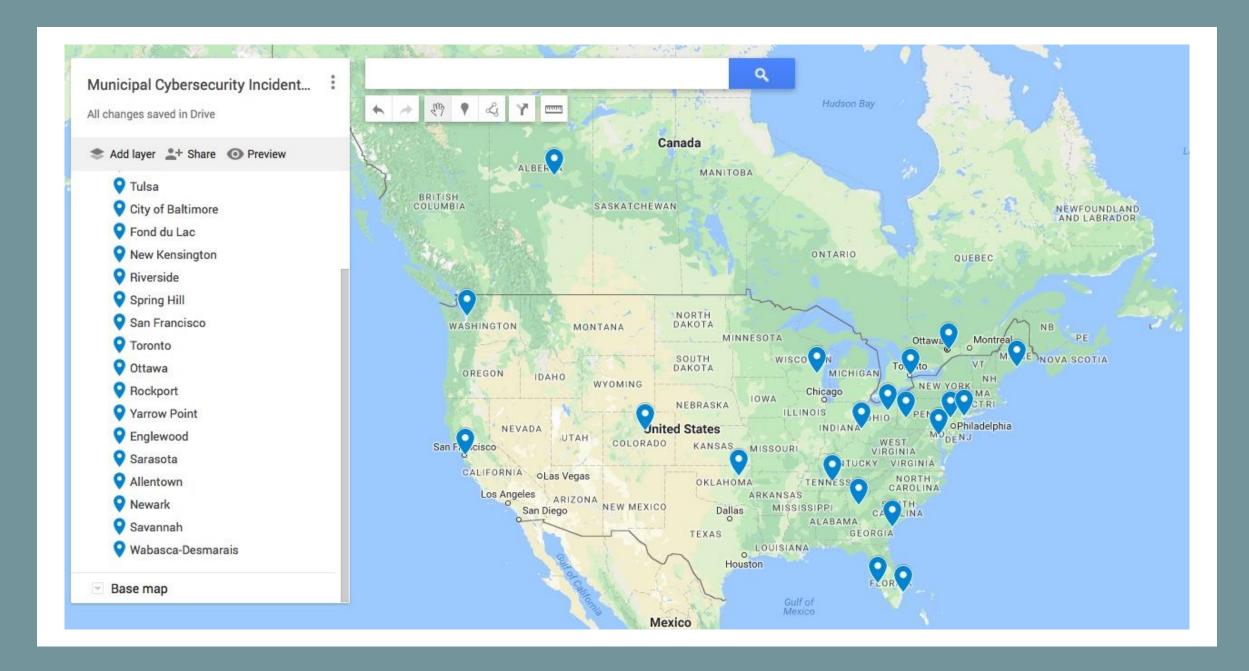






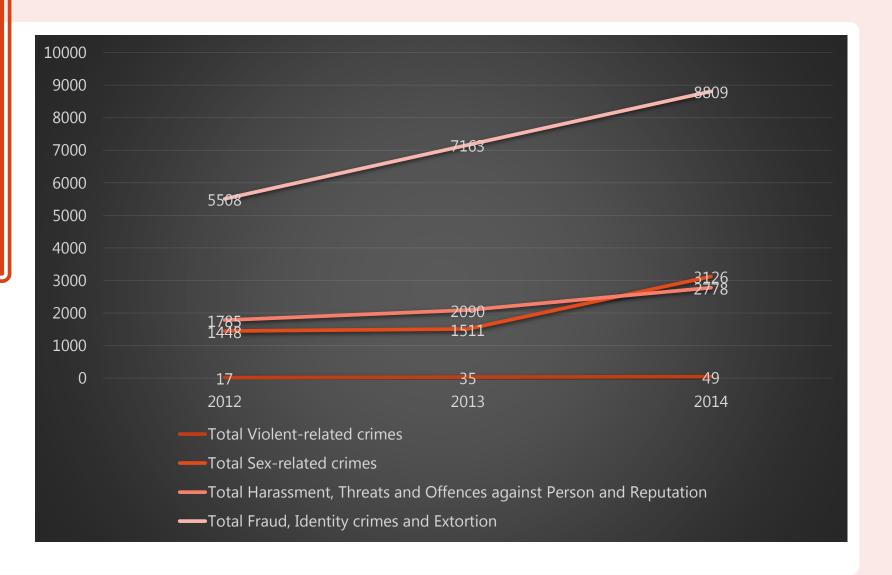
When cyber truly gets personal







Police Reported Cybercrime in Canada



DATA BREACH SUPPLY HAS SIGNIFICANTLY OUTPACED DEMAND

9,198,580,292 Data Records Lost or Stolen Since 2013

In the past year the pace for data breaches has grown

26 %

THE RISE OF RANSOMWA RE





• It's easy - Crimeware-as-a-Service with 24-hour support chat lines and money back guarantees.

WE Bave Vour

- It's convenient no more hunting to find a buyer and working out how to get paid
- Price and demand are both unaffected by macro trends - it doesn't matter how many other victims are dealing with ransomware, each case is a unique market

The increasing security cost of efficiency







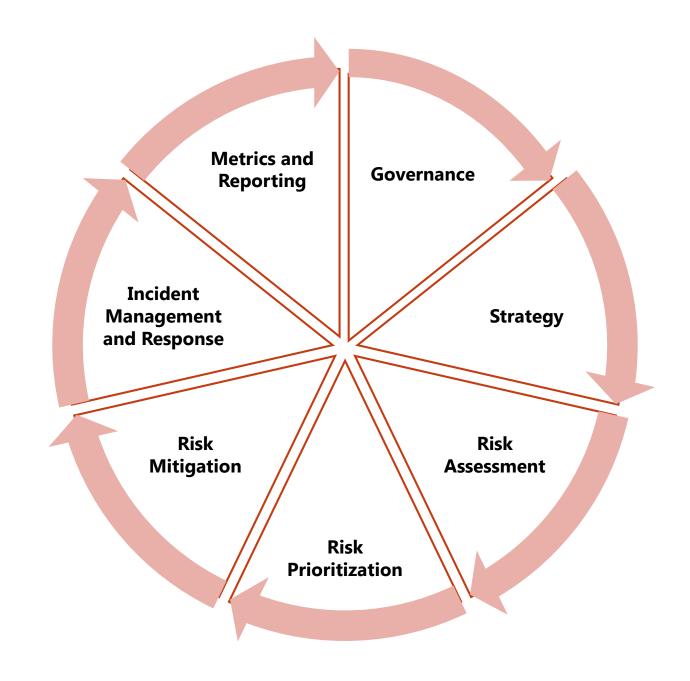
CITY OF FREDERICTON

- Launched first city-wide cybersecurity awareness and simulated phishing program in September 2017
- 75% of police department completed mandatory training in first 30 days. 100% completed in May.
- 70% of entire city team completed training by May 2018 (voluntary and mandatory)
- 91% of those who completed training found it beneficial



Managing Cyber Risk

- 1) What key organizational objectives and processes are vulnerable to cyber threats?
- 2) What is management's strategy to manage these risks effectively? What framework is being used and why?
- 3) How do you measure the success of your efforts?
- 4) What is our incident response plan? When was it last tested?
- 5) Do our business continuity plans / disaster recovery plans include cyber attacks?





- 2 Dashboard
- ♣ Division Management →
- Education
 ■
- ¡≡ Risk Management ▶
- ▲ Simulations ▶
- Incidents
- ★ Rewards
- ☑ Reporting
- Configuration ▶
- Feedback

NIST Readiness

What is NIST Readiness?

The NIST Cybersecurity Framework (NIST CSF) provides a policy framework of computer security guidance for how private sector organizations can assess and improve their ability to prevent, detect, and respond to cyber attacks. The NIST framework covers people, process, organizational culture and technology in a comprehensive way with references to helpful guidelines and standards such as the SANS Top 20 Critical Security Controls (CSC), ISO 27001, COBIT 5 for Security and other standards.

This NIST readiness report will help your organization understand its cybersecurity strengths as well as areas for improvement or maturity. Achieving a mature state using this framework will help your organization reduce risk and move towards more formal cybersecurity certifications such as ISO 27001.

36%

Your Organization's NIST Readiness Score

Click a category to see your NIST readiness level

Q Identify

□ Protect

Detect

₹ Respond

Recover 1

6

Identify

| Category | Subcategory |
|---|--|
| Asset Management (ID.AM): The data, personnel, devices, systems, and facilities that enable the organization to achieve business purposes are identified and managed consistent with their relative importance to business objectives and the organization's risk strategy. | ID.AM-1 Physical devices and systems within the organization are inventoried |
| | ID.AM-2 Software platforms and applications within the organization are inventoried |
| | ID.AM-3 Organizational communication and data flows are mapped |
| | ID.AM-4 External information systems are catalogued |
| | ID.AM-5 Resources (e.g., hardware, devices, data, and software) are prioritized based on their classification, criticality, and business value |
| | ID.AM-6 Cybersecurity roles and responsibilities for the entire workforce and third-party stakeholders (e.g., suppliers, customers, partners) are established |

A Comprehensive, Automated Cybersecurity Management Platform

Outcomes for Organizations

- Organizational capability to identify and mitigate human centric risks of cybercrime.
- Enable executives, leaders and employees with actionable insight and intelligence to measure, manage and monitor risks.
- Reduce burden on already constrained resources and IT/Sec expertise
- Reduce exposure to unexpected risks, costs and impacts of cybercrime.

How We Do It

- Proprietary Risk Score at the Individual, Division and Organization level
- Comparative Analytics
- Attitudes, Awareness and Perception Surveys
- Cyber Awareness Training
- Phishing Simulation
- Real Incident Tracking
- Assigning Rewards for Good Security Behaviour
- Custom Course Creation
- Technology & Process Self Assessments
- Insightful Dashboards and Reports

Empowering employees to manage their cyber risk

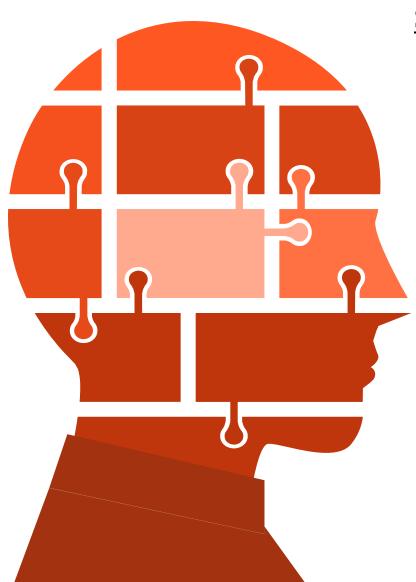
Organizational Members

Beyond Awareness: Beauceron's personal cyber risk score helps team members connect the dots between awareness and behaviour

Engaged in Security: The combination of just-in-time education, phishing simulations and timely communication creates true engagement though gamification

Rewarding Positive Behaviour:

Beauceron's reward tool provides incentives and real-time feedback for reporting simulated phishes or other beneficial security behaviours



Security Awareness Team

Automated Campaigns:

Beauceron's automated approach to deploying education, surveys and phishing frees up security team resources

Insightful Real-Time Analytics:

Beauceron's powerful analytics, reports and dashboards makes it easier to identify security awareness strengths, weaknesses, threats and opportunities

Integrated platform:

Beauceron's integrated solution provides a single platform for the team to manage with a single pane of glass for all of cybersecurity awareness

Every employee is given their own individualized dashboard which becomes their **one-stop shop** for cybersecurity awareness.

They can:

Review their personal cyber risk score,

Compare their score to others in their division,

Complete surveys,

Complete education

Learn about their exposures to cybercriminals

Learn about any simulated or real incidents they fell victim to

Learn about any rewards they've been given

Receive security news and updates

Do we have the right plan?

- How are we protecting citizen and client information?
- How much are we spending on cybersecurity and what are the outcomes?
- How are our disaster recovery, business continuity and incident response plans updated, communicated and tested?



Learn more

City of Fredericton Case Study:

beauceronsecurity.com/fredericto
 n

Beauceron News and Updates

beauceronsecurity.com

Request a Demo

beauceronsecurity.com