

PROTECTING CANADA'S PROSPERITY

CANADIAN CYBER THREAT EXCHANGE (CCTX)

CANADA'S NOT-FOR-PROFIT, PRIVATE-SECTOR CYBER
THREAT SHARING HUB + COLLABORATION CENTRE



CCTX



**ABOUT
70 PER CENT
OF CANADIAN
BUSINESSES
HAVE BEEN
VICTIMS OF
CYBER ATTACKS
AT AN AVERAGE
COST OF \$15,000
PER INCIDENT**

**ARE THERE HOLES
IN YOUR CYBER
THREAT STRATEGY?**

**CANADA
HAS MORE
COMPUTERS
PER CAPITA
THAN ANY
OTHER COUNTRY
(129 DEVICES
PER 100 PEOPLE)¹**

COUNTERING EVER-INCREASING THREATS

The CCTX was created to build a secure Canada where all organizations, both private and public, collaborate to reduce cyber security risks. We do this in two ways.

First, through the CCTX Data Exchange we gather, enrich, analyze and share cyber threat information across business sectors and from other Canadian and international cyber threat sharing hubs. And we provide actionable cyber threat intelligence with a Canadian focus.

Second, our CCTX Collaboration Centre is a unique forum for cyber professionals to solve problems by exchanging best practices, techniques and insights.

How prevalent is cyber crime in Canada? According to the federal government, about 70 per cent of Canadian businesses have been victims of cyber attacks.¹

It's not just the number and sophistication of cyber attacks on Canadian businesses that are increasing—so is the impact. The average cost of a data breach for Canadian companies rose by about 14 per cent in 2016 to \$6.0 million from \$5.3 million in 2015, according to the Ponemon Institute.² Most of this cost came from lost business.

CCTX FOUNDING MEMBERS

Bell

TELUS



AIR CANADA

CN



TD

Manulife Financial

TransCanada

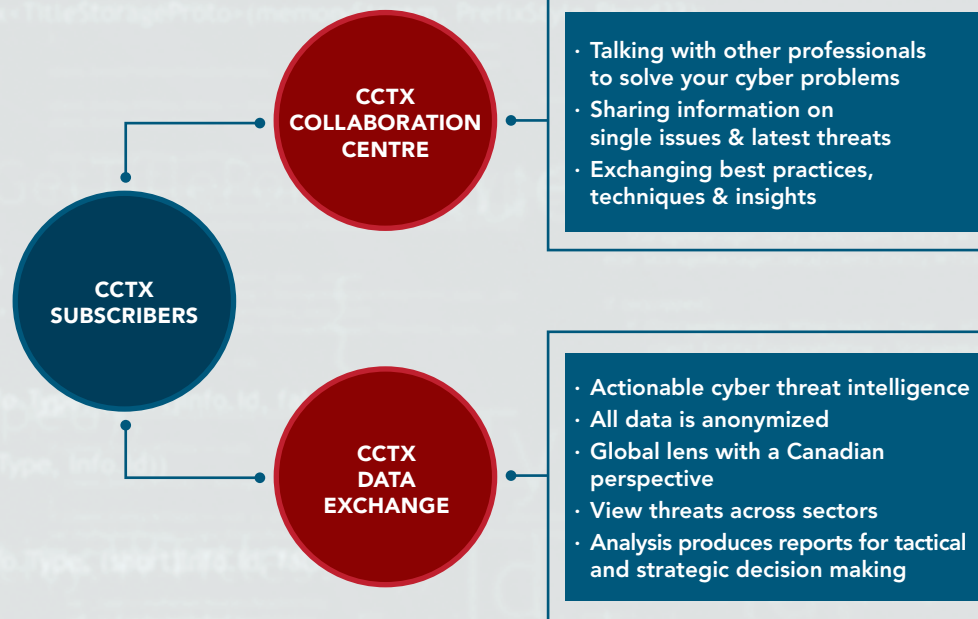
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ADVISORS TO BOARD OF DIRECTORS

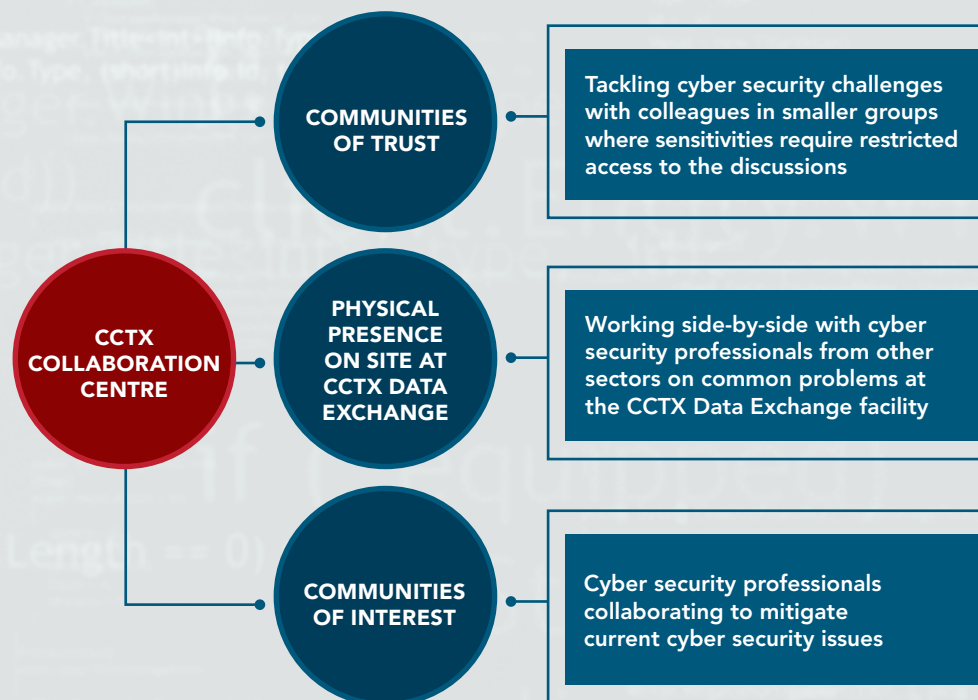
Academic Research – Smart Cybersecurity Network (SERENE-RISC)
Business Council of Canada
Communications Security Establishment
Public Safety Canada

¹<https://www.fin.gc.ca/n16/16-133-eng.asp>

²2016 Cost of Data Breach Study: Canada



CCTX is Canada's only cyber threat collaboration forum + central source of comprehensive, actionable cyber threat intelligence



Accessed through our secure portal, the unique CCTX Collaboration Centre lets cyber security professionals come together in informal sessions to discuss how to defend against the latest threats

SHARED INFORMATION MAKES US STRONGER

The CCTX's mission is to share and analyze cyber threat information across sectors and with other sharing hubs to help protect Canada's businesses, government, consumers and economic prosperity. Companies and government agencies leverage shared information and generate new analysis to make cyber attacks more difficult and costly—and to increase the likelihood that attackers will be apprehended.

Cyber attackers are no longer limited to traditional entry points like employee mobile devices and laptops. They are now attacking companies through every entity that interacts with their business systems, including customers, the supply chain and providers of business services.

Vulnerabilities are also being introduced as companies extend beyond their core businesses—for example, utilities and network companies selling through retail outlets or retailers offering financial services—using entirely new systems and processes.

On its own, no sector, no business or organization is safe from cyber attack. The best way to counter attacks is by sharing information and resources as widely as possible.

THAT'S WHY WE NEED YOU AND YOU NEED US.

CCTX DATA EXCHANGE DATA SOURCES

CCTX analysis of data from these sources generates actionable cyber threat intelligence.

CCTX MEMBERS

Includes some of Canada's largest businesses. Through the CCTX, members can share information anonymously and with no identifying customer information. By removing these barriers to collaboration, the CCTX makes it possible to analyze vast amounts of cyber threat information to identify attack patterns and indicators.

CANADIAN CYBER INCIDENT RESPONSE CENTRE (CCIRC)

Responsible for reducing the cyber risks faced by Canada's key systems and services, such as banks and telecommunications providers.

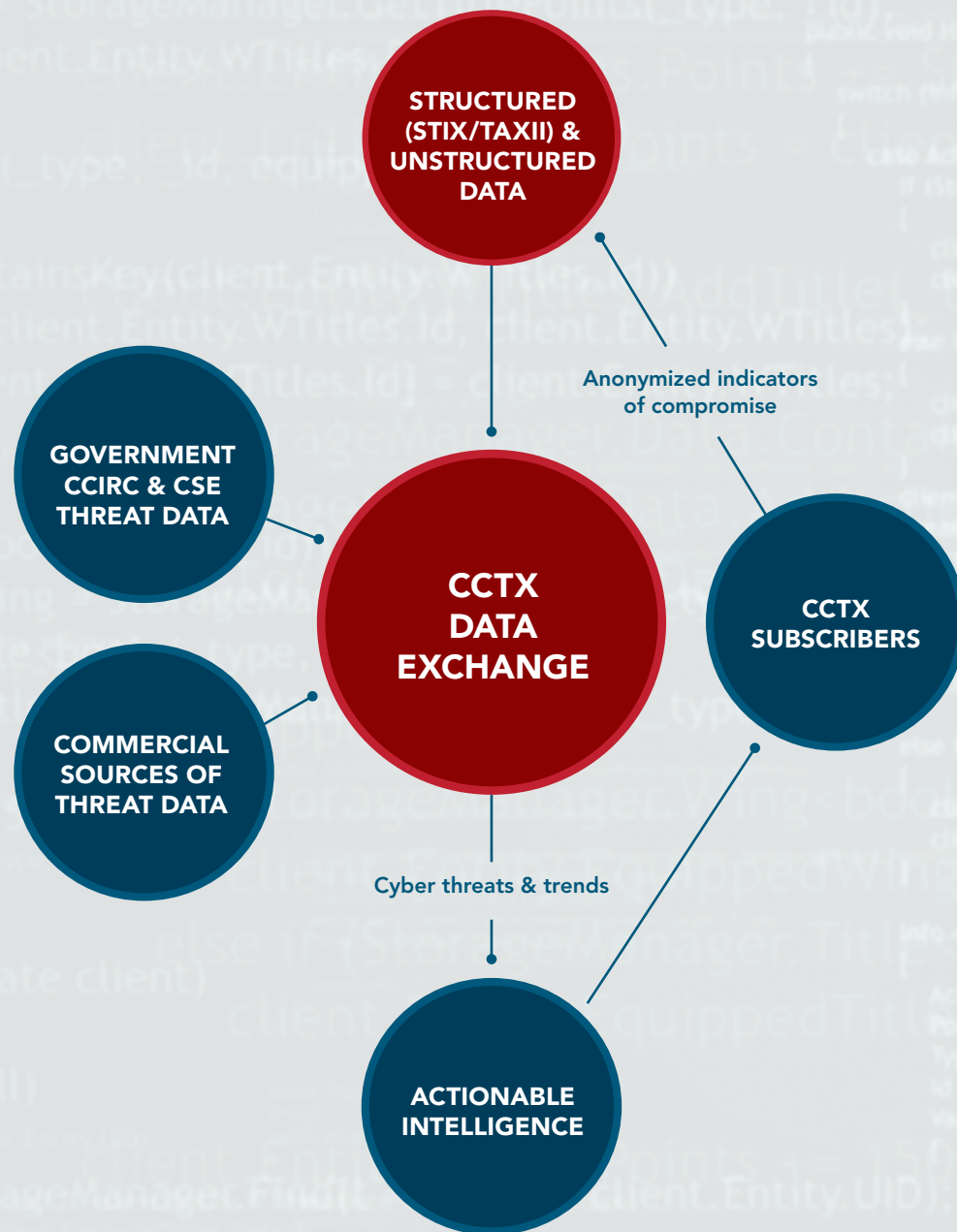
COMMUNICATIONS SECURITY ESTABLISHMENT (CSE)

Provides advice, guidance and services to protect federal government electronic information and infrastructure. Data provided by CSE to the CCTX will include high-confidence indicators of compromise from malicious activity detected on government networks from cyber threat actors including foreign states, hackers, criminals and terrorists.

COMMERCIAL SOURCES OF THREAT DATA

The CCTX will use the most appropriate commercial data feeds to augment our other data sources.

TO LEARN MORE ABOUT THE BENEFITS OF JOINING THE CCTX, VISIT CCTX.CA



The CCTX Data Exchange
protects Canadian businesses and other organizations by transforming cyber threat data from multiple sources into actionable intelligence

CCTX.CA



CCTX