

CYBER FACTS for CANADA 2019

5 MOST COMMON CYBER ATTACKS



Distributed Denial of Service

A DDoS attack is when a website is overwhelmed with traffic to the point that it can no longer serve legitimate customers.



Malware

Malware is a malicious program designed to influence the way that a computer or system operates without being noticed, often replicating and spreading itself across systems for maximum impact.



Man-in-the-Middle

MitM attacks are when an attacker inserts themselves between a two-party transaction with the purpose of filtering and stealing data.



Phishing

Phishing involves the attacker sending emails that appear to be from a recognized and trusted source with the intent to access sensitive data such as login credentials or credit card data, or to convince the target to do something such as download or open a malicious attachment or link.



Ransomware

Ransomware is any piece of malicious software that gains access to vulnerable networks and removes access for the intended users until a ransom is paid.

2019 CYBER BREACH STATISTICS

According to Office of the Privacy Commissioner of Canada:



Approximately **3 in 4** Canadians were affected by data breaches.



There were **680** data breach reports involving:

- 25% Phishing and impersonation
- 58% Unauthorized access
- 22% Accidental disclosure of data
- 58% Stolen documents or computers

2019'S BIGGEST CYBER ATTACKS

Ransomware against Stratford, Ontario

Ransomware encrypted city hall data and locked staff out of their computer systems for over a week.

Phishing against Ottawa

Approximately \$130,000 of taxpayer funds were lost to an email-spoofing scheme in which an attacker posed as the city manager asking the city treasurer for a wire transfer.

Ransomware against Mitsubishi Canada Aerospace

Mitsubishi Canada fell victim to a ransomware cyber heist that compromised the company's data and left it without internet access for weeks.

Privacy breach against TransUnion

Credit monitoring agency TransUnion had 37,000 Canadians' personal data compromised when someone illegally used a legitimate customer's login to access TransUnion data.