Read the following articles:

* <http://www.cbc.ca/news/technology/ransomware-europe-russia-ukraine-petya-bitcoin-1.4179683>
* <http://www.cbc.ca/news/canada/toronto/oshawa-hospital-cyberattack-1.4114758>
* <https://www.thestar.com/news/canada/2017/05/13/ontario-health-ministry-on-high-alert-amid-global-cyberattack.html>

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**Ransomware Basics**

1. What is a ransomware attack?

A ransomeware attack is a virtual virus, in which the hacker(s) encrypt your files, and threaten you to pay them so they can decrypt them. Otherwise they will delete them.

1. How does ransomwhare work and what does it affect?

Ransomware works as a virus, and it affects your computer files. It encrypts them and you cannot decrypt them yourself, since it is very difficult.

1. How could you be affected by a ransomware attack?

Clicking on a sketchy link, such as one in your email inbox. Going on sketchy websites and also downloading untrusted files.

1. How can you protect yourself against a ransomwhare attack?

Do not click sketchy files, links or run .exe files. Do not click on anything that looks suspicious.

**Canadian Attacks (In The Past)**

1. What was affected in Canada in the articles above?

A hospital in Oshawa got all of its files encrypted, so they could not access it.

1. How badly was Canada affected?

Not much, only the hospital was really affected.

1. What other countries were affected?

Ukraine, Germany, America, Poland, Italy, etc.

1. Where did the attack come from?

The malware’s origin is unclear. It is not certain where it came from.

1. Why was the attack started?

The hackers did it for money. They encrypted many files and demanded money to decrypt them, otherwise they’d be lost forever.

1. How was the attacked stopped?

The emails that were being spread rapidly, were shut down by the email host (i.e. Google). Due to this, the rapid spread stopped, since the email could not be sent further.

**Canadian Attacks (Present Day)**

1. Google “ransomware attack Canada 2019” and research an attack that occurred in the past two months.
   1. Summarize the attack in a paragraph that describes: who, what, where, when.

The people who were affected by this attack were the Government of Nunavut. The things that were affected heavily were all of the Nunavut Government’s services, workstations and hospital services. The location where it occurred was Nunavut, Canada. The cyberattack took place Around 4 AM on a Saturday morning, on November 2nd, 2019. By 6:30 AM, the IT staff has confirmed the attack had occurred.