

Staying Cybersafe: Working, Sharing and Being Social Online

Cyber Security Awareness Month Webinar

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Oct 26th, 2021

Territorial Acknowledgement

We would like to acknowledge the traditional territories of the people of the Treaty 7 region in Southern Alberta, which includes the Blackfoot Confederacy (comprising the Siksika, Piikani, and Kainai First Nations), as well as the Tsuut'ina First Nation, and the Stoney Nakoda (including the Chiniki, Bearspaw, and Wesley First Nations). The City of Calgary is also home to Métis Nation of Alberta, Region 3.



Cyber Security Awareness Month

- What is CSAM?
 - "Do Your Part. #BeCyberSmart"
- Users play a very important role in Cyber Security
 - **the first line of defense against cybersecurity attacks**
- What do we need to be aware of?

Staying connected

- Stay safe while being social online?
 - Phishing Scams
 - Private information
 - Secure login



Phishing emails every day? You are not alone

- How can we avoid falling victim to phishing scams?
 - Sender email address
 - E.g. executive123@gmail.com
 - Spelling mistakes
 - E.g. microsoft.com vs micrasoft.com
 - Are you expecting such emails? Are they relevant to you?
 - E.g. giftcards, unsolicited invoices & quotes, and password reset before expiry
 - Exaggerated Urgency
 - E.g. Click this link right away or you will lose access to your account
 - Confirming and reporting
 - Via O365/Outlook
 - reportphishing@ucalgary.ca
 - Phishing Awareness Course in Enterprise Learning
 - Cyber Security IT - Introduction to Phishing

Let's keep our private information private

- Sharing personal information
 - Do not reveal any PII or sensitive information online
 - What information is considered sensitive?
 - PII: Personally Identifiable Information
 - Avoid posting anything that could be used for an attack
 - Birthdate
 - Information that can be used for security questions
 - Address
 - Your family member's names

Keep intruders away from your account

- Strong password/passphrases
 - Use different passwords/passphrases for different accounts
 - You can use password manager to manage multiple
 - Complex passwords? Passphrase example
 - Length – 8-16 characters or longer, Different character types
 - Where oh where has my little 1 gone? → **Wowhml1g?**
(source:<https://grok.lsu.edu/article.aspx?articleid=16865>)
- MFA – why is it essential?
 - What is it (Multi Factor Authentication)
 - Without MFA – what can happen?
 - Protection provided by MFA
 - Difficult for attackers to know the timed code from MFA

Sharing and collaboration

- Share photos and files online safely
 - Staying safe while sharing files
 - Malware and antivirus
 - Back up and storing data
 - Configure the Security



Need to share files but only with certain people?

- How to be careful

At Home

- Set up Secure Login (MFA, SMS Pin, etc.)
- Change the Default Privacy Settings
 - Restrict who can see what on your account
- Be careful what you share



At Work

- Be aware of the default and user adjustable sharing settings on the Application
- Be aware of the Sensitivity of the data you are sharing



We don't want any “sketchy” programs running

- Only install approved software from reputable Sources
 - What might come with that FREE Software
- Malware examples
 - How does it get installed?
 - What impact?
- Antivirus software
 - What does it do?
 - Why is it important?
 - How effective?
- Keep your systems and software up to date (Patch)

Signs Your Device May Be Infected

- ❖ Your browser's homepage changes
- ❖ Your default search engine changes
- ❖ You experience unwanted pages popping up
- ❖ Your system becomes very slow
- ❖ Your mouse moves on its own
- ❖ The light on your video camera comes on unexpectedly
- ❖ Missing Files
- ❖ System Crashes
- ❖ New applications, toolbars etc.
- ❖ Excessive disk activity
- ❖ Email non delivery alerts for emails not sent
- ❖ Antivirus disabled

Back up regularly!

- How to store and back up data safely
 - Where should I store my backups?
 - Your backups should be "Offline"
- Do it regularly
- Why are Backups important?
 - Ransomware can destroy your files.
 - Technology Fails.
 - People make mistakes



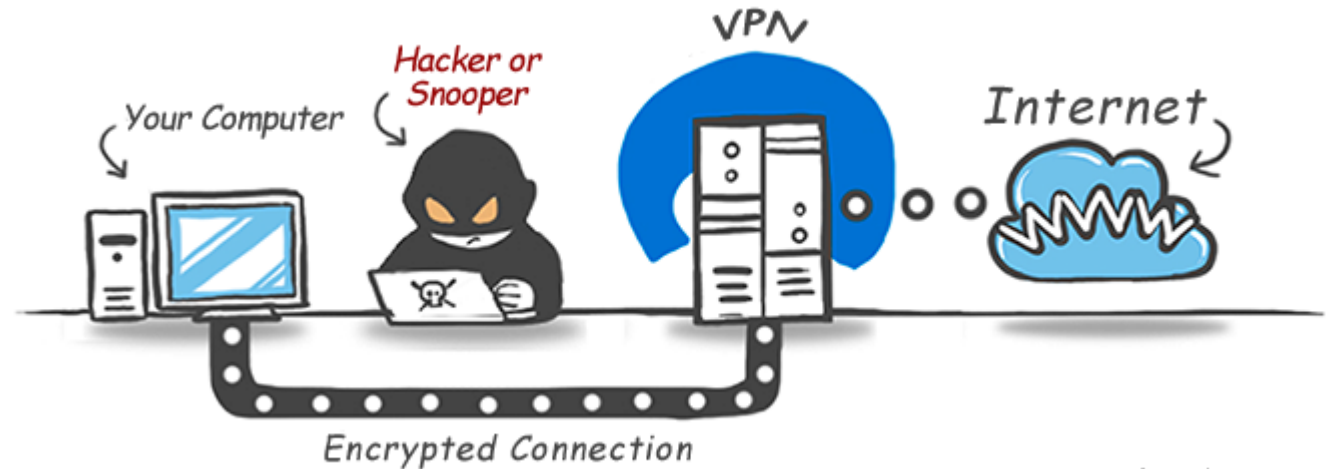
Working remotely

- How do we continue working from home safely?
 - Wi-fi and device safety
 - Secure home network
 - Work specific cyber threats



Not all Wi-Fi networks are safe..

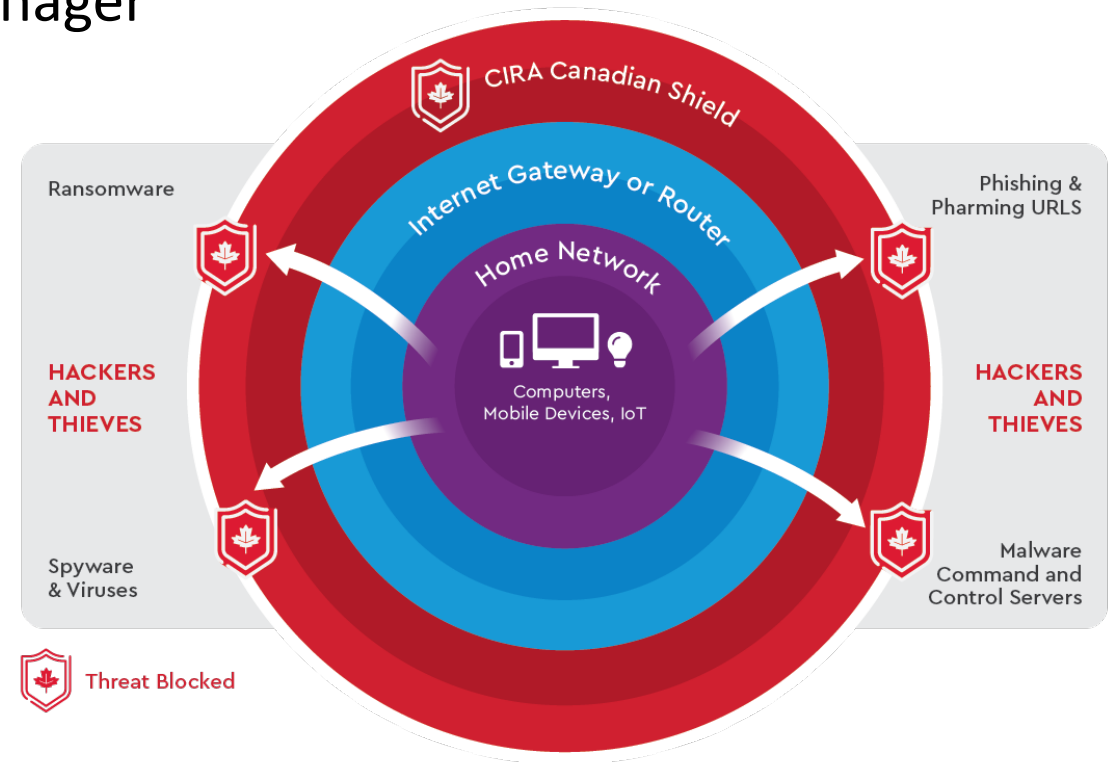
- Careful of public wi-fi networks
 - Which Networks can I trust?
 - How can it be dangerous?
 - Best practices when using them?



infographic by tunnelr.

We want our home network secure

- What can I do to be safe at home
 - Use good passwords and a password manager
 - Configure your firewall
 - Use the CIRA DNS Service



Cyber threats targeting our work life

- Impersonation and social engineering
- Fake job ads, gift card scams, password reset requests, fake OneDrive links,
- Targeted attacks

5 emotions hackers and cybercriminals use against us

- Greed
- Curiosity
- Urgency
- Helpfulness
- Fear

Social engineering (security)

From Wikipedia, the free encyclopedia

In the context of information security, social engineering is the psychological manipulation of people into performing actions or divulging confidential information.

Report security concerns

- Forward your phishing emails as an attachment to:

reportphishing@ucalgary.ca

- Any other concerns

UService T: 403.210.9300 E: it@ucalgary.ca

Stay cybersecure. At Home. At UCalgary.

Q&A and further information

- Useful links

- <https://it.ucalgary.ca/it-security> – UCalgary IT Security
- <https://www.getcybersafe.gc.ca/> - Government of Canada GetCyberSafe campaign
- <https://www.cira.ca/cybersecurity-services/canadian-shield> - CIRA DNS Service
- Find Learning > Search for *Cyber Security IT - Introduction to Phishing (UIT_001)*) – UCalgary Phishing Awareness Course
- https://ucalgary.service-now.com/it?id=kb_article&sys_id=60994170db2da7487cab5068dc961900
(OneDrive Instructions)
- <https://www.pcmag.com/picks/the-best-password-managers> (List of reputable password manager products)

For those people with interest in the field of Cyber Security, we encourage you to explore the Programs and Individual Courses offered by the Faculty of Computing Science here at the University of Calgary.

