

Part 5 Privacy Cybersecurity For Beginners Member Exclusive Certificate Series WOMEN CYBERSECURITY SOCIETY

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Contributing Partner



Thank you!

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Introduce Yourself!

Please introduce yourself in the chat with the following information:

- Your name;
- Iocation;
- Why you are here today; and
- Anything else you would like to share.

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Agenda

- Presenter Introductions
- □ WCS2 Overview
- Attendee Introductions
- What you'll learn in the lab

Privacy Review

- Privacy Regulation/GDPR, PIPEDA, FOIP+
- Labs 1 Theory & Quiz
- Lab 2 Hands-on Internet Exercise
- Survey
- Closing Remarks



Lisa Kearney

Women CyberSecurity Society International Women in Cyber Day N2SEC

Founder & CEO

During the spring of 2018, Lisa founded the Women CyberSecurity Society (WCS2) to address the lack of support for women and minorities wihin the cybersecurity industry. WCS2 is a non-profit organization providing support, services and advocacy to women arond the globe.

Consultant

For more than 2 decades, Ms. Kearney has been defending networks, systems and data by providing cybersecurity services to hundreds of companies globally while working with Canada's top service providers and independently on contracts.

Women CyberSecurity Society (WCS2)

What You'll Learn



Today we'll explore Privacy, it's impact on society, our well being and strategies for becoming more private, secure, and anonymous online.

Lab 1, will be theory based with you completing a mini-game by answering either 'true' or 'false' to each statement relating to privacy. You must correctly answer 10 out of 12 statements to receive the token.

During Lab 2, you'll learn how to conduct and perform an Internet Privacy Assessment to examine your online footprint.



Privacy Part 5



What is Privacy?



Privacy is the right to be let alone, or freedom from interference or intrusion. Information privacy is the right to have some control over how your personal information is collected, used, and accessed.

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The Right to Privacy



Globally, there is general acceptance that the right to privacy is one of the precursors to sustaining freedom and democracy. This enabling relationship underpins the status of privacy as an international human right.



Canadian Charter of Rights & Freedoms



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Minority Language

Educational Rights

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Guarantee of Rights and Freedoms menes 1. The Goudan Chiefe of Lipiti and Frederin guarantees the rights and freedoms are out to it subject only to such reasonable limits presented by law at can be demonstrably gauffied in a free and democratic instery.

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Democratic Rights

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Mobility Rights

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"We must use statistic fir fact principle, the last ratio and letter which is in tapelies of Canadians in that imposition regional legitive from a surger of the order system of action or fact with an entroid of the constant that has more as used frozient and and Section 8 of the Canadian Charter of **Rights and Freedoms** provides everyone in Canada with protection against unreasonable search and seizure.

This right provides Canadians with their primary source of constitutionally enforced privacy rights against unreasonable intrusion from the state.



Canadian Charter of Rights & Freedoms

- Protects personal information that can be obtained through searching someone in pat-down;
- Entering someone's property; and
- Surveillance.

"Privacy is an inherent human right, and a requirement for maintaining the human condition with dignity and respect."

— Bruce Schneier



The Privacy Act of Canada

Government of Canada

t Gouvernement du Canada

Justice Laws Website

The *Privacy Act* is the law that sets out your privacy rights in your interactions with the federal government. It protects your personal information that government institutions hold by placing controls on the following:

- collection;
- use; and
- disclosure of your personal information.



DATA IS THE NEW GOLD



Photo Credit: https://www.business2community.com/





STATISTICS



Cost of cybercrime damages will cost \$6 trillion annually by 2021, up from \$3 trillion

just a year ago.



As of January 2020, there were I.74 Billion websites on the Internet.



93% of data

breaches happen within

minutes, and 83% aren't

discovered for weeks,

months or years.





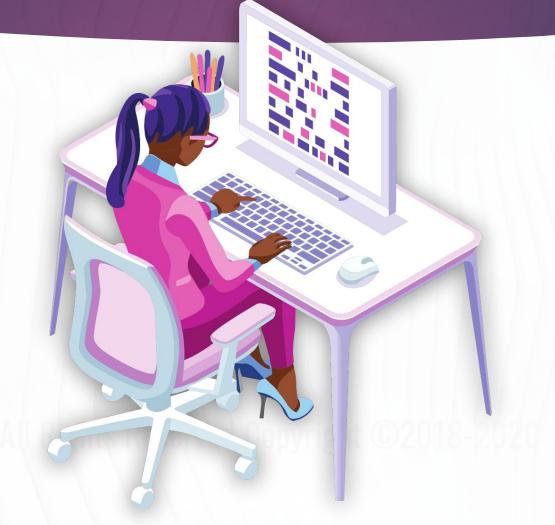


The largest ever data breach happened in 2013 when 3 billion Yahoo user's phone numbers, birth dates, and security questions, were

hacked.

Interactive Labs









Privacy Impact Assessments

How to perform a PIA?

https://www.priv.gc.ca/en/privacy-top ics/privacy-impact-assessments/

https://ombudsman.mb.ca

PRIVACY IMPACT ASSESSMENT TOOL

anti-softwident

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Protection From Identity Theft

Identity Theft & You

Fraud is a lucrative business.

https://www.priv.gc.ca/media/2034/g uide idt e.pdf



international association of privacy professionals

app

U.S. Private-Sector Privacy European Data Protection Privacy Program Management <u>Canadian Privacy</u> <u>CCPA Training</u> <u>European Data</u> <u>Protection - French</u> <u>Privacy Program</u> <u>Management - French</u> Privacy in Technology Just Updated!

European Data Protection - German

Privacy Program Management - German



https://iapp.org/train/online-training/





Dark Web Data - Business is Booming!

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Monitoring Tools & Resources

Have I Been Pwned?

https://haveibeenpwned.com/

Free Web Monitoring Tool For Dark Web Activity

https://thehackernews.com/2020/05/dark-web-monitoring-tool.
html

Extreme Privacy: What It Takes to Disappear

<u>https://inteltechniques.com/book7.html</u> ~ Michael Bazzell

Test If Your Browser is Tracking You

https://panopticlick.eff.org/



Monitoring Tools & Resources

Digital Footprint Quiz & Trivia

- https://www.proprofs.com/quiz-school/topic/digital-footprint
 - **Password Managers**
 - https://lastpass.com
 - https://keypass.com

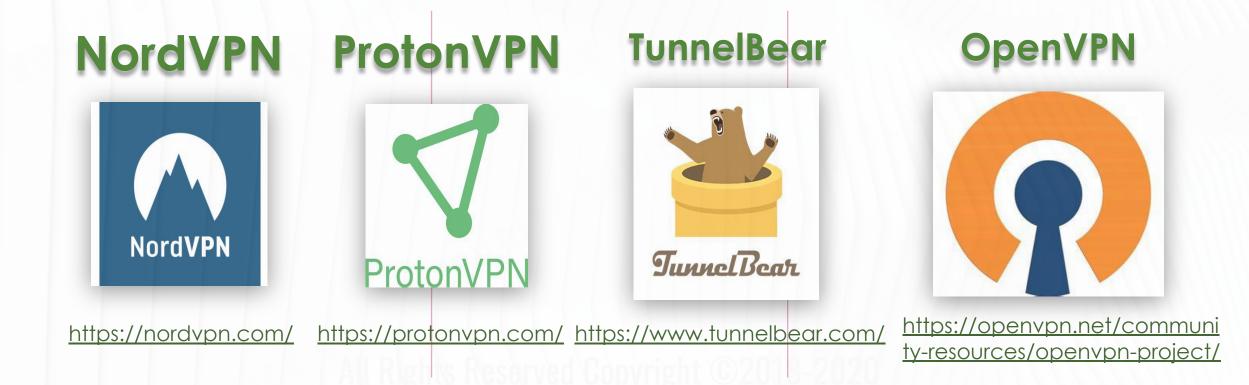
Use VPN If Connecting to Open Public WiFi - See list below.

Ghostery - Eliminate Online Browser Trackers

Encrypt Confidential Email

https://www.gpg4win.org/

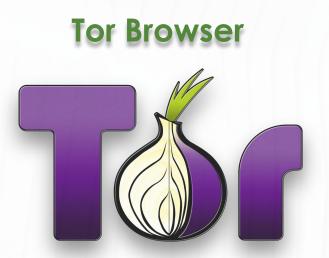
VPN's



Browsing



https://blog.cloudflare.co m/1111-warp-better-vpn/



https://www.torproject.or g/

Brave Browser



Private Search Engines





Community





Join A Chapter & Slack

Join or lead a local chapter to receive discounts and special offers

https://womencybersecuritysociety.org/join-or-lead-a-chapter

Connect with other women in our Slack Community

https://join.slack.com/t/womencssociety/shared invite/zt-e3uf3 ksn-xlMky5~l3wQjacYlbvs8zm

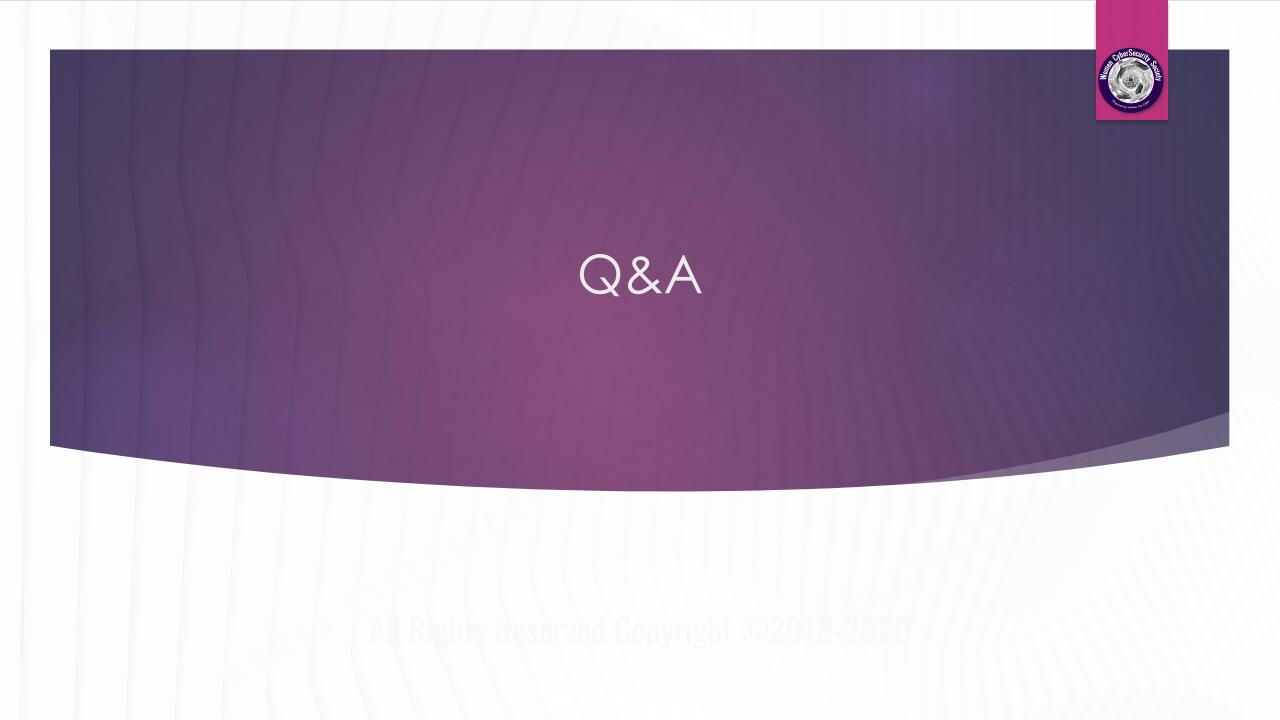
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Survey

Thank you for your feedback. It helps us to improve content and delivery of our programs and services.

https://docs.google.com/forms/d/15KYfHkH3XzHVa VbNrwvw9heqBbaBMeUjp5aAU1_R0sg/





References & Resource Links

Canadian Charter or Rights & Freedoms

https://www.canada.ca/en/canadian-heritage/services/how-rights-pr otected/guide-canadian-charter-rights-freedoms.html#a2e2

The Privacy Act of Canada

- https://www.priv.gc.ca/en/privacy-topics/privacy-laws-in-canada/theprivacy-act/pa_brief/
- https://laws-lois.justice.gc.ca/eng/acts/P-21/FullText.html

Internet Statistics

https://www.websitehostingrating.com/internet-statistics-facts/



References & Resource Links

Access to Information & Privacy - Service Canada

https://www.canada.ca/en/employment-social-development/corpo rate/transparency/service-canada/access-information.html

ACLU Sues Clearview AI of "unlawful, privacy-destroying surveillance activities."

https://www.nytimes.com/2020/05/28/technology/clearview-ai-priv acy-lawsuit.html

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References & Resource Links

Verizon Data Breach Investigation Report

<u>https://enterprise.verizon.com/resources/reports/dbir/</u>

Facebook cambridge Data Analytics Scandal

- <u>https://en.wikipedia.org/wiki/Facebook%E2%80%93Cambridge Analytica data</u> <u>scandal</u>
 - What Human Rights Do For Privacy
- https://eachother.org.uk/what-human-rights-do-for-privacy/
- Privacy Laws of Canada
- https://www.priv.gc.ca/en/privacy-topics/privacy-laws-in-canada/02 05 d 15/

