

11/25/2021

PREPARED BY JEFF BANKS

FOR MY FRIENDS AT SOBC

CYBER SECURITY FOUNDATIONS

CYBER SECURITY

- Lot's of implications in this term...
 - "Let's be careful out there" - Hill Street Blues 1980
- Spans both Corporate and Personal Components
- The ideal vs the practical; it's about striking a balance

THREATS AND PROTECTIONS

Threats (sub-set)

- Phishing / Click Bait
- Spoofing
- Virus/Malware
- DoS and DDoS
- Ransomware
- Social Engineering

Users (Roles)

- Awareness
- Spotting Suspicious Behaviour
- Protecting PII and Corporate IP
- "Strong" Passwords

Company (Roles)

- Up to date devices / applications
- Firewall and DNS Proxy Protections
- MFA where-ever possible
- Reward Smart Users
- Welcome Suggestions for Improvement
- Create Awareness and "Test it"

DEEPER DIVE...

- Let's talk PWDs...
 - These are some of my old bank pwds:
 - ***Y@ww2tEC4v***
 - ***TheyAd0ren1ckl*PlatedAlibaster1nc.?***
 - ***DjshqF&GGm5b,uJ#1Lkba+A,h7i8)U=I0OVATCtlwr4dC[(6Oe{^yq%.M92X.MA2***
 - Password Vaults and Password Managers
 - Emergency Kits and other Recovery Procedures
 - 1Password, LastPass, myki etc...
 - Can we get to one-person-one-password? Should we?
 - **EFF Dice-Generated Passphrases**

DEEPER DIVE...

- MFA - MultiFactorAuthentication, 2FA - TwoFactorAuthentication
 - Reliant on the fact that each of us have a way to be contacted directly.
 - eMail, TextMsg, sometimes even cell phone.
 - The Canadian Banks offer this at no extra charge - use it!
 - Also Amazon, Facebook, eBay, TSC.ca etc.
- If you are recording/communicating PII and/or Corporate IP without MFA make the suggestion and follow up with your manager.

REMIND ME NOT TO CLICK TO FAR...

- Here is how easy MFA is to use.
- Logging into [TD Canada Trust EasyWeb](#) Online Banking
- Is there anyone on the call still banking without MFA?

Also available on CRA: [SecureKey - Concierge](#)

WHERE DO WE GO NEXT?

- https://
 - What does https do? How is it different from http?
 - Do you remember when phones came in two flavours:
 - “**Private** Lines” and “**Party** Lines”?
- I heard about “Certs”, do I need one/some of these?

HTTP:/ VS HTTPS://

- Does anyone remember “Party” lines (old telephone technology)
- Hover over...
 - [versace.com](https://www.versace.com)
 - [versace.com](https://www.versace.com)

CERTIFICATES

- We talked about “Party Lines” right...
- Certificates are a way to verify that the person answering is who they say they are.
 - [VeriSign](#)
 - https://en.wikipedia.org/wiki/Certificate_authority
 - Certificate expiry, certificate errors – google: “Bad Certificate errors” for examples.



FURTHER INFO

Links to useful resources...

[Improve your "Cyber Hygiene" - Cisco](#)

[What is Phishing? - Cisco](#)

[Phishing 101 - Cisco](#)

[Phishing InfoGraphic - Cisco](#)

[One PWD to rule them all... - EFF](#)

[This doesn't really happen right? - YouTube](#)

[Click here to Get Ritch Quick](#)