Living with Technology – Keeping your Home Secure

By Dave Quartarolo
Who am I?

• Information Systems Security Engineer
• 2019 Sans Institute’s Cyber Fast Track Finalist
• Wilmington University Graduate
• Member of Epsilon Pi Tau (Delta Lambda Chapter)
• US Navy Submarine Veteran
• Guy that spends too much time at home
• Husband and Father
Disclaimer

This presentation was prepared by David Quartarolo in his personal capacity. The opinions expressed within it are the speaker’s own and do not necessarily reflect the perspectives of his employer Sectigo. The speaker is here on his own accord.
What This Is

- An Overview of the current threat landscape
- Common sense changes you can make in your home

What This Isn’t

- Unnecessary Doom and Gloom
- Unrealistic Claims that your home network will ever be safe
- Tons of work that you don’t have time for
Security vs Privacy

Security
- Keeping our data safe
- Ensuring that all our devices are working
- Guarantee that the digital workforce on the home front can accomplish work

Privacy
- Prevent details about people in the house from being captured
- Prevent meta data (data about data) from being captured
What has changed??

CIA Triad

Confidentiality

Home
Networks are not longer optional

Ransomware is EVERYWHERE

Confidentiality

Integrity

Availability
The Stakes

- Home Photos / Movies
- Your Documents and Projects
- Family and Financial Records
- The Use of Your Devices
- Your Time
- Your Identity
- Legal Issues
Home Networks

Home Wireless Network Diagram
1) Disable UPnP
2) Disable File Sharing
3) Change Admin Passwords
4) Check for open ports
5) Disable Unnecessary Features
Home WiFi Configuration

**DO**
1) Change SSIDs and Passwords
2) Turn Off WPS
3) WPA2 or WPA3
4) Use a Guest Network

**DO NOT**
1) Stop Broadcasting or “hide” your SSID
2) Use a Wireless Repeater
PCs

1) Install Updates
2) Remove unused Applications
3) Power Down at the End of the Day
4) Stay on Reputable sites
5) Lock your screen
6) Enable Window’s Defender
Back Up Everything

CREATE 3 copies of your data

1 primary copy & 2 backups

STORE 2 copies of your data

on different storage media

KEEP 1 copy of your data

offsite
‘End of Sales’ vs ‘End of Support’

**End of Sales**

The last day the manufacturer will sell the product.

**End of Support**

The date when the manufacturer will release security updates.
What is on your network?
Kids are the WORST (at security)
Home Network Tuneup

1) Install Updates
2) Update Passwords
3) Spot-check Inventory
4) Talk to your Family

Every 2 Months
CALL TO ACTION

• Spread the word.
• Help people in your life make better home network choices.
Thanks so much for attending!

Questions?

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