

# Current Trends in Technology, Security & Privacy

November 9, 2019

## Goals

- Enhance our knowledge about current & future **technology**, information/financial **security** and **privacy**
- Share actions we are taking (or should be taking) in each of these areas to benefit from our enhanced knowledge
- We'll take these topics one at a time.....

# Technology Trends

Windows 7 EOL      Mesh routers      Wi-Fi 6

EdgeChromium browser      5G Wireless

SSD availability/capability      Tablets as computers

Enhanced smartphone/watch capabilities

Laptops/AIO devices replace desktops      USB evolution

Software/content as a subscription      Streaming

# Technology Trends

Casting/mirroring

Security systems/cameras

Smart home

Scanning

Android One phones

Personal assistants

Digital photography

Gaming?

Social Media

Technology acquisitions

What else?

## Technology Actions

- SSDs coming down in price. Increasing use in new PCs. Can purchase as HD replacement or external memory. Notable increase in PC response time. Consider as HD replacement, external drive or for new PC purchase.
- Consider enhanced capabilities of tablets, smartphones and laptops when planning future hardware needs.
- Learn more about USB options before future purchases.



## Technology Actions

- Inventory all software & apps. Cull as needed. Buy or subscribe? Track renewals; delete, upgrade or renew.
- Inventory all streaming services. Cull or add to as needed. Evaluate cost/benefit at least once a year. Review/change streaming/casting/mirroring options.
- Learn more about smart home options. Technology is evolving. Consider upgrades and/or new purchases. Real need or fad? (Security considerations discussed later in this discussion.)
- Other?

## Security Trends

Ransomware

Data breaches

Extortion scams

Identity theft

Stolen accounts

SIM swap exploits

Using stolen info to add legitimacy

Spoofed Caller ID

Bogus charities

Romance scams

Medical insurance theft

Spoofed emails

Malicious links

Tech support scams

“Man-in-the-Middle” attacks

## Security Trends

“Tainted” software/app downloads

“Tainted” ads

Bogus emails from “friends”

“Help” requests

Malicious social media exploits

“Yes” scams

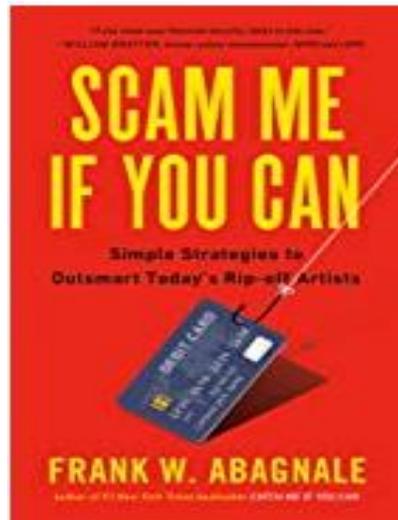
Auto electronics hack

What else?

## Security Actions

Device-related actions + personal behavior  
(Create “game plans” for both)

Read “Scam Me If You Can” by Frank Abagnale



FTC tips at (<https://www.consumer.ftc.gov/topics/online-security>)

## Security Actions - Devices

Update firmware/software

Password devices

Combine built-in & commercial anti-malware software

<https://www.howtogeek.com/225385/what%E2%80%99s-the-best-antivirus-for-windows-10-is-windows-defender-good-enough/>

Back up files - air gap

Create/use Standard account

Review software security settings; set accordingly

Consider new, safer hardware

Limit data storage

Limit financial/sensitive transactions to 1 device

## Security Actions - Behavior

Unique passwords\*

Multi-factor authentication\*

Watch for and read latest security info/tips

Don't answer the phone! Freeze your credit files

Create a security tip file, review regularly

Think twice before responding to phone messages, emails and other inquiries; develop questions to ask yourself

If uncertain, contact business or individual directly

## Security Actions - Behavior

Be wary of embedded links in documents & emails

Research security alternatives for each online account

Cancel obsolete or unneeded accounts

Go paperless for billing, reports, deposits & withdrawals

Be wary of unexpected emails; verify sending address

Be cautious about saying “yes”      Check Spam folder

Other?

## Privacy Trends

Google Chrome as spyware?

Tracking cookies

Data as a commodity

Social media exposure

Robocalls

EU privacy laws

What else?

## Privacy Actions

Computer privacy settings      Browser privacy settings

Firefox 70 browser      Privacy add-ons/extensions

DuckDuckGo search engine (<https://duckduckgo.com/about>)

DuckDuckGo browser (Android)      Nomorobo/magicJack

Call-blocking on landline/cell phones      Do not answer!

FTC website (<https://www.consumer.ftc.gov/topics/privacy-identity-online-security>)

Other?

## Goals - How did we do?

- Enhance our knowledge about current & future technology, information/financial security and privacy
- Share actions we are taking (or should be taking) to benefit from this enhanced knowledge
- What would have made this discussion better?

## In Conclusion

- Use search queries to get information, answers and recommendations about any or all of these categories
- Please share your insights, experiences and recommendations with fellow LCACE members at meetings or by postings through our Google Groups email account.
- **Thank you!**