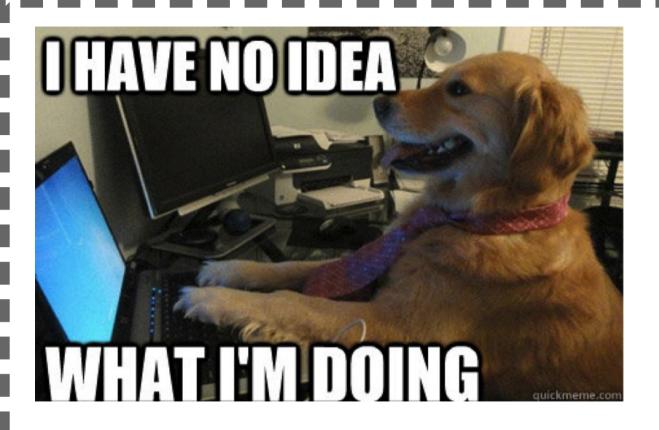
ONLINE PRIVACY WITHOUT TEARS



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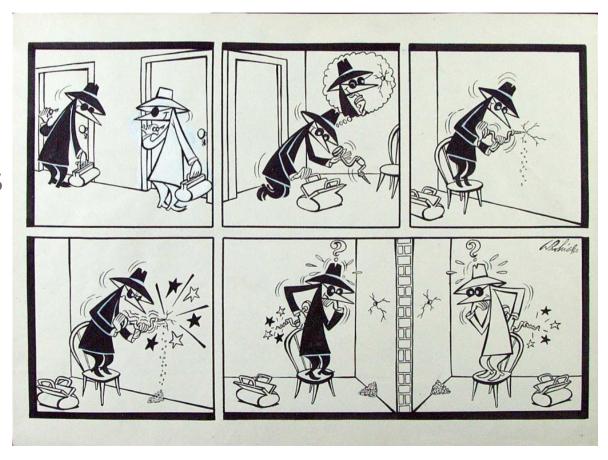


https://libraryfreedomproject.org/resources/onlineprivacybasics/

The only link you need!

THREAT MODELING

- -assets
- -adversaries
- -capabilities
- -consequences



FREE SOFTWARE

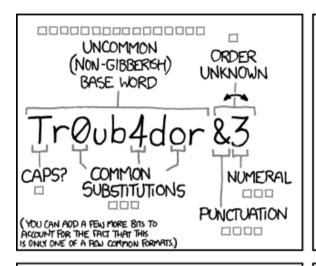
the freedom to run, copy, distribute, study, change and improve the software (gnu.org)

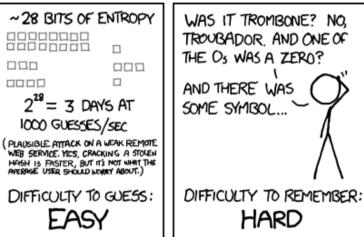
- -vs. proprietary software
- -why does this matter for privacy?
- -most of these tools are free software

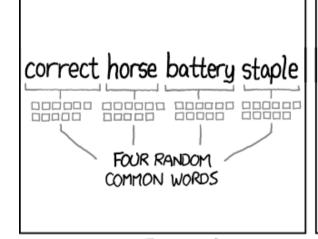
SOFTWARE UPDATES

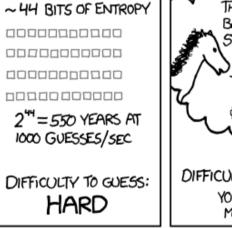


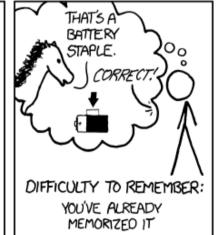
PASSWORDS







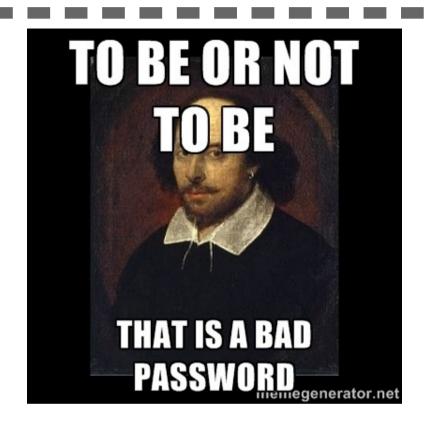




THROUGH 20 YEARS OF EFFORT, WE'VE SUCCESSFULLY TRAINED EVERYONE TO USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER, BUT EASY FOR COMPUTERS TO GUESS.

Your passwords are bad. So are everyone else's.

- -high entropy COMPLEXITY! LENGTH! NO PATTERNS!
- -password managers KeePassX KeePass 1Password
- -diceware list and die



FIREFOX + EXTENSIONS

- -who owns your browser?
- -what is a browser extension?
- -Firefox and Tor
- -Firefox privacy settings
- -Firefox extensions menu

- -behavioral analytics
- -cookies
- -analytics
- -other unique identifiers
- -Privacy Badger
- -uBlock Origin
- -DuckDuckGosearch engine



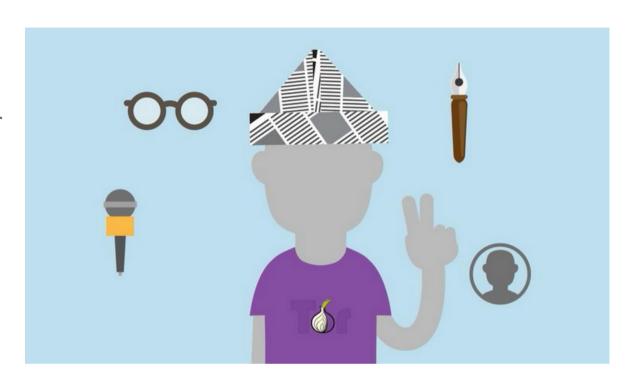
This is a real image from an online marketing company.

- -what is encryption?
- 1. confidentiality
- 2. authenticity
- 3. integrity
 - -http vs https
 - -HTTPS Everywhere



TOR BROWSER

Tor is the most secure browser available.



- -Tor vs. Firefox
- -Tor extensions: HTTPS Everywhere and NoScript
- -Tor best practices
- -more with Tor (mobile, proxies)

LOCAL FILE MAINTENANCE

Cleans system and protects privacy:

- -trash
- -logs
- -recent places
- -cache
- -session data and more



CCLeaner - Windows and Mac OSX, not FOSS
*Windows users, do not ever use the registry cleaner!
Bleachbit - Windows and Linux, FOSS

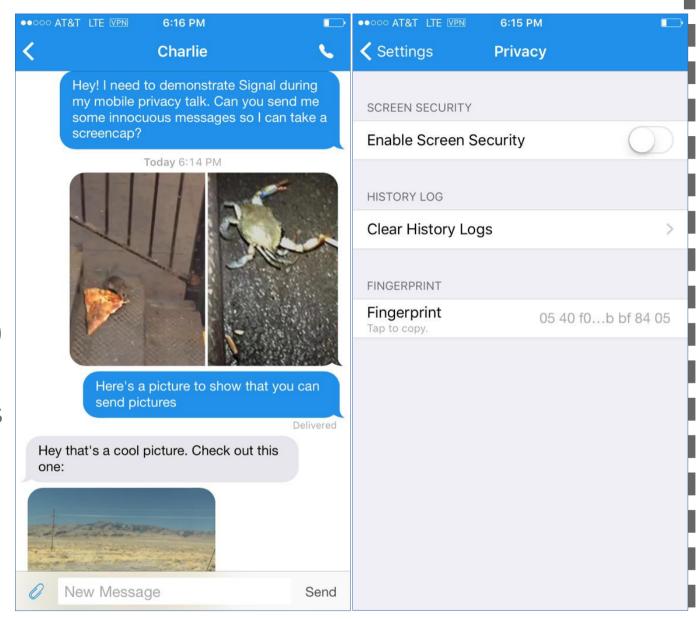
DISK ENCRYPTION



- -What does disk encryption do?
- -Make sure to back up all files first!!!
- -OS X: Filevault
- -Windows: Bitlocker
- -Linux: LUKS
- -Alternative: Veracrypt

MOBILE DEVICES

- -LFP's mobileprivacy toolkit
- -Android vs iOS
- -The Guardian
 Project (Android)
- -Encrypted texts and calls with Signal (iOS and Android)



VIRUSES AND MALWARE

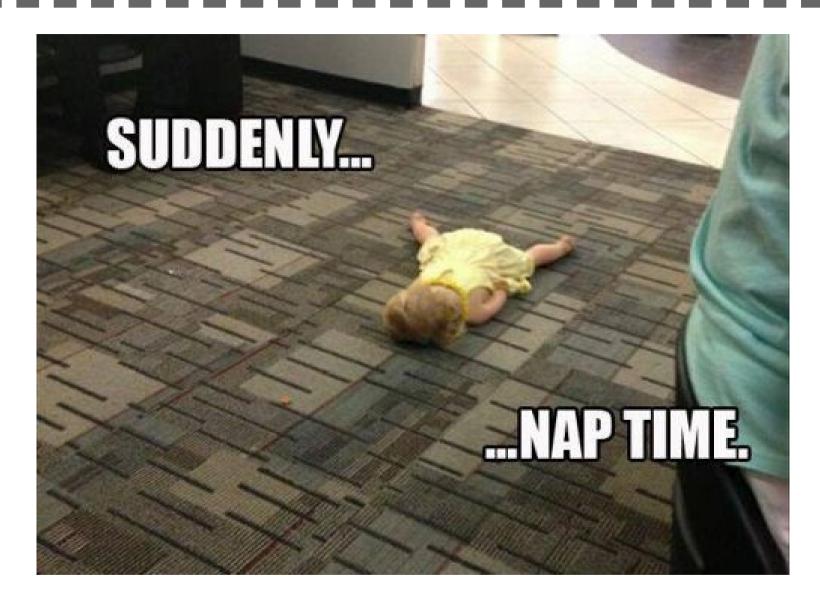
DON'T GET SCAMMED! BE SAFE!

- -phishing, script kiddies, malicious links, malicious attachments, and other scams
- -differences between viruses and malware
- -relationship to privacy
- -good practices

antivirus: ClamAV

antimalware: MalwareBytes (Windows only,

free vs pro)



we're almost finished!



time for some difficult stuff!

EMAIL



who can read your email?

- -your email service provider
- -operators of intermediate network connections
- -your intended recipient's email service provider
- -anyone who accesses those servers



email self-defense from FSF
 email providers

pobox.com

-alumni email

- a server you trust

VPN

- -what is a VPN?
- -what to look for in a VPN
- -some options
 - -Bitmask (Android and Linux)
 - -Private Internet Access (iOS, OS X, Windows)

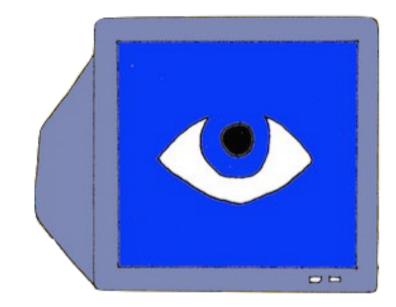
EXTRA CREDIT

- -PRISM Break
- -Surveillance Self-Defense (EFF)
- -Schneier's blog
- -Cryptoparties
- -LFP resources



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