SECURING YOUR DIGITAL LIFE

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SECURITY VS PRIVACY

- SECURITY
  - ACTIVELY PATCHED FOR VULNERABILITIES
  - CODE IS AUDITED
  - DEVELOPMENT BEST PRACTICES USED
  - SMALL ATTACK SURFACE
- PRIVACY
  - DOES NOT "PHONE HOME"
  - DOES NOT USE USAGE ANALYTICS TO DRIVE REVENUE (ADS)
  - DOES NOT SPY ON YOU

GET A PASSWORD MANAGER

CLOUD HOSTED

- PROTONPASS
  - BUILT IN TOTP
  - OPEN SOURCE
  - THIRD PARTY AUDITS

SELF MANAGED

- KEEPASS
  - MULTIPLATFORM SUPPORT
  - OPEN SOURCE
  - TIME TESTED

USE STRONG PASSWORDS

- GOOD
  - yE%6j%Lpu%ff77*Y
  - Th3Knight$OfGOOd!
  - Wil Wh3atOn Liv3s n' @ Gutt3r
- BAD
  - Rosc0
  - James04151982
  - 8675309

ENABLE 2FA ON ALL ONLINE SERVICES

- PRIMARY METHOD – TOTP (TIMED ONE-TIME PASSWORD)
  - VIA INDEPENDENT APP
  - VIA YOUR PASSWORD MANAGER
- SECONDARY METHOD – TEXT PIN (NOT AS SECURE, SOMETIMES ONLY OPTION)

RECONSIDER YOUR E-MAIL PROVIDER

- PROTONMAIL
  - FREE TIER (AS IN BEER)
  - HOSTED IN SWITZERLAND
  - VPN PLANS
  - NATIVE PGP SUPPORT
  - BRING YOUR OWN DOMAIN

- TUTA
  - FREE TIER (AS IN BEER)
  - HOSTED IN GERMANY
  - BUILT IN CONTACTS AND CALENDAR
  - CLEAN AND SIMPLE UI
  - BRING YOUR OWN DOMAIN

THE + TRICK

- EXAMPLE: JAMES.GAMBLE+PENGUICON@PROTONMAIL.COM WILL GO TO JAMES.GAMBLE@PROTONMAIL.COM

- USES:
    - ONE SPECIFIC CONTACT E-MAIL ADDRESS FOR EACH ONLINE SERVICE USED.
    - EASILY SPOT WHO IS SELLING YOUR CONTACT INFORMATION.
    - QUICKLY SETUP FILTERS BASED ON THE SENT-TO E-MAIL ADDRESS.
    - UNIQUE USERNAME PER SITE (FOR SITES THAT USE E-MAIL ADDRESSES AS USERNAMES)

- SUPPORTED BY:
    - GMAIL
    - PROTONMAIL
    - OUTLOOK.COM

- WARNING: NOT ALL WEB SERVICES ALLOW SPECIAL CHARACTERS IN E-MAIL ADDRESSES.

RECONSIDER YOUR WEB BROWSER

- GOOGLE CHROME, MICROSOFT EDGE, AND OPERA ARE NOT CONSIDERED PRIVATE
  - CHROMIUM IS OPEN SOURCE, GOOGLE, MICROSOFT, AND OPERA'S CONTRIBUTIONS ARE NOT
- BRAVE AND MOZILLA FIREFOX ARE PRIVACY FOCUSED
  - BOTH ARE 100% OPEN SOURCE
  - BOTH HAVE ADDITIONAL PRIVACY FOCUSED FEATURES (VPN, SYNC, ETC)
- LYNX
  - AUTOMATICALLY BLOCK ALL SCRIPTS AND IMAGES AND WEBSITE FUNCTIONALITY

BROWSER EXTENSIONS

- PASSWORD MANAGER OF CHOICE – EASILY POPULATE PASSWORDS AND PERSONAL INFORMATION INTO WEB FORMS

- UBLOCK ORIGIN – BLOCKS ALL THE ADS... FOR REAL

RECONSIDER FILE & DOCUMENT STORAGE

- NEXTCLOUD
  - SELF HOSTED
  - MANAGED HOSTING
- SYNOLOGY
  - SELF HOSTED
  - SYNOLOGY DRIVE, OFFICE, PHOTOS

ONE MESSENGER TO RULE THEM ALL

- SIGNAL
  - WINDOWS
  - APPLE: IOS AND MACOS
  - ANDROID
  - LINUX (DEBIAN-BASED ONLY)

GOOGLE IS NOT YOUR FRIEND

- SEARCH – BRAVE, DUCKDUCKGO, QWANT

- GMAIL/CALENDAR/CONTACTS – PROTONMAIL, TUTA

- DOCS/PHOTOS – NEXTCLOUD, SYNOLOGY OFFICE

- VOICE – BURNER, HUSHED, OPENPHONE

- MEET – BRAVE TALK

- DRIVE – ICLOUD, NEXTCLOUD, SYNOLOGY DRIVE

ENCRYPTION

- WINDOWS: BITLOCKER, VERACRYPT

- MACOS: FILEVAULT, VERACRYPT

GOOGLE YOURSELF

- GOOGLE REMOVAL REQUEST - HTTPS://TINYURL.COM/K2E2950

- BING REMOVAL REQUEST - HTTPS://TINYURL.COM/Y4EF2W4A

- BRANDYOURSELF.COM
  - AUTOMATED TOOLS
  - FREE AND PREMIUM TIERS

- PRIVACYBEE
  - REMOVE YOURSELF FROM DATA BROKER SITES
  - SIMILAR TO BRANDYOURSELF, MORE PRIVACY FOCUSED

CREDIT/DEBIT CARDS

- GASBUDDY – PROTECT YOUR DEBIT CARD AT THE PUMP

- PRIVACY.COM – SINGLE VENDOR CREDIT CARD NUMBERS

QUESTIONS?

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