Password Hygiene

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Yet Another Hack, Google This Time

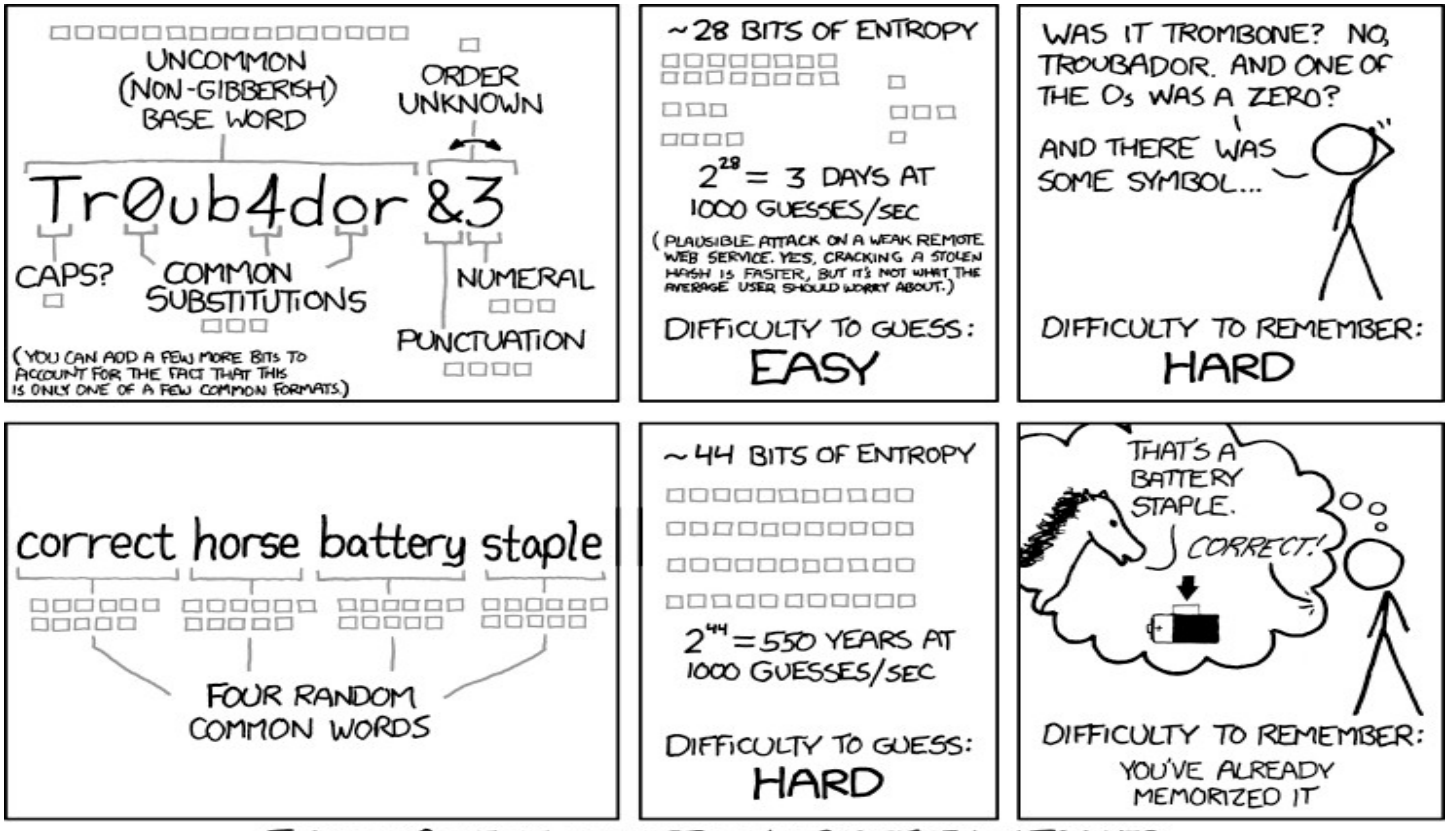
- Was reading our newsletter today
- “Gmail Warning Just Dropped-Reset Your Password ASAP” article
- Today seems like a good day to talk about “password hygiene”

Easy to Remember Passwords

- People make passwords about themselves
  - Memorable pet/friend/relative’s name or location
  - Adding special date strings (MMDD) to a base password
  - Adding a sequence digit to a previous password
  - Slightly modifying password based on site’s/product’s name
  - Reusing passwords
- Making passwords like these are saying, “Hack ME!”

So People Use Random Passwords

- $ pwmake 60
  bIcsUByriz64G
- Now what can you do with that?
- Hard to remember, especially dozens of them!
- Write it down on post it notes?
- Typing it on a phone keyboard is annoying



https://xkcd.com/936/

Making Password Phrases

- Diceware word list
  - https://theworld.com/~reinhold/dicewarewordlist.pdf
- Real 5d6 dice
- “d20 Calculator” iOS app

Password Phrases

- Ok, so random password phrases good
- But so, so many to make them all unique
- Password managers to the rescue!
  - Only one phrase needed to unlock your PM

Common Password Managers

- 1Password
- Lastpass
- NordPass
- KeePass
- Proton Pass
- Bitwarden

Bitwarden

- Multi-platform / Cross-platform
  - Browsers, MS Windows, MacOS, Linux, iOS, Android
- Free as in beer (no cost for personal use)
- Free as in freedom (FOSS)
- Multitude of tools
  - Built-in generator for passphrases
  - Easy import / export
- Cloud and self-hosting

Demo!