# KeePass 2

## A free, open-source, light-weight and easy-to-use password manager

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CryptoParty #1

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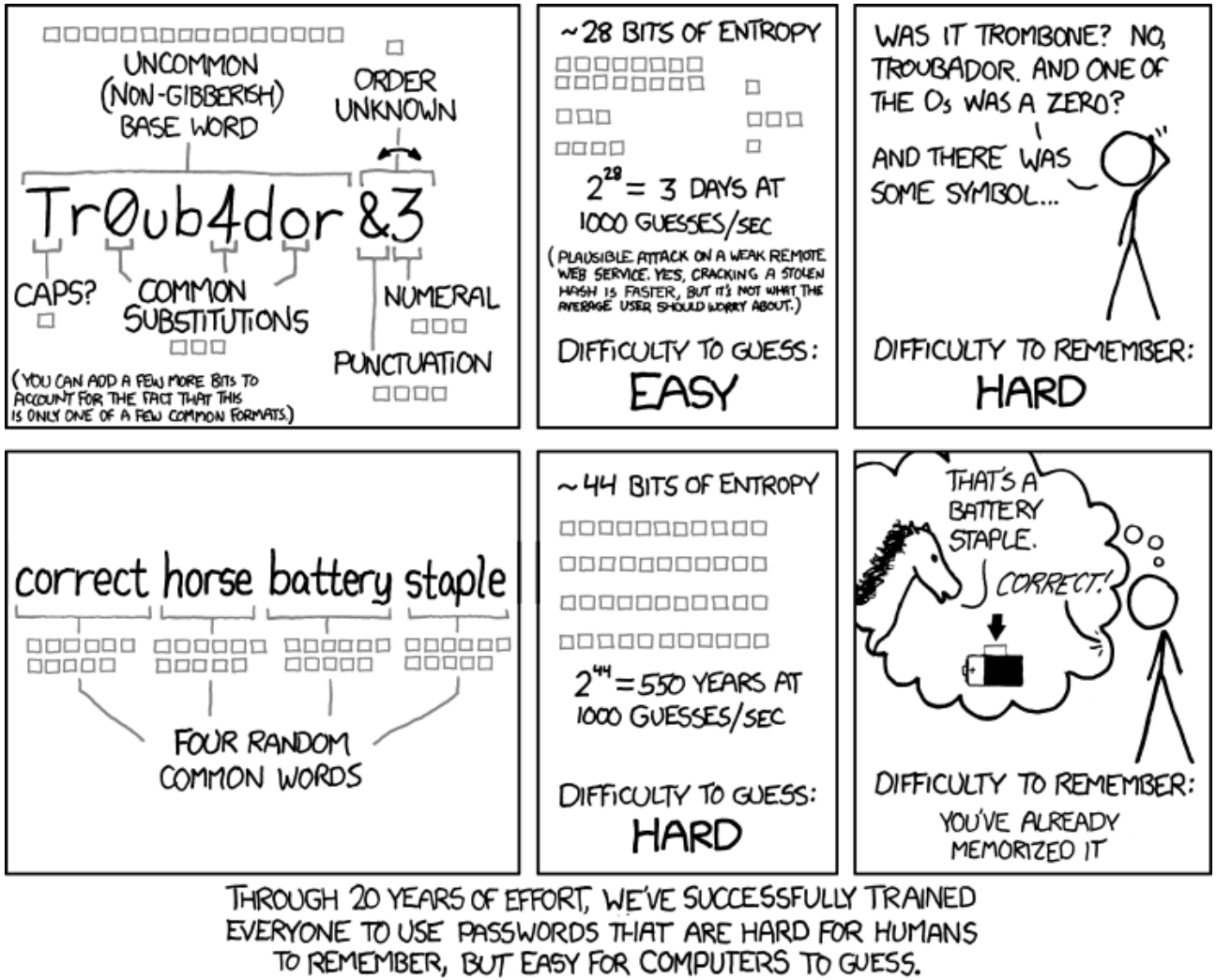
# Outline

# Password strength

https://xkcd.com/936/



# No reuse

- Leaks happen all time
  - And it will never stop
- One needs a lot of passwords . . .
  $\rightarrow$ good passwords are hard to remember
  $\rightarrow$ make them easy
- Don't rely on "the personal password system"
- Would you use the same physical key to your house, your banking deposit and your public storage entity?
- Same password for a shady web forum and your bank?

*https://imgflip.com/i/2uc7d2*

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# KeePass all the things!



- Use a unique password for each service you use
- One central and secure place to store all your passwords
- If you don’t have to remember it you can generate arbitrarily long password
  - REALLY long passwords

    b352cafe513543a7e6e17073aecfa26c55fdadaac
    35ceb3f6fde27a2b7bdd6e6de48575f6123617a41
    c467c0456cb99cc155a1aabbac222a9e4d0c6dc40
    e22f5f6fde27a2b7bdd6e6d2a9e4d0c6d13543ahe

*https://imgflip.com/i/2uc7xf*

# KeePass2

- free and open-source
  - OSI-certified
  - bug-bounties
- easy-to-use and light-weight
  - multiplatform support
  - multiple languages
  - browser add-ons
  - …
- A whole plate of features
  - configurable auto-type
  - additional fields like URL
  - groups
  - import & export
  - multi-user support
  - plugins
  - …

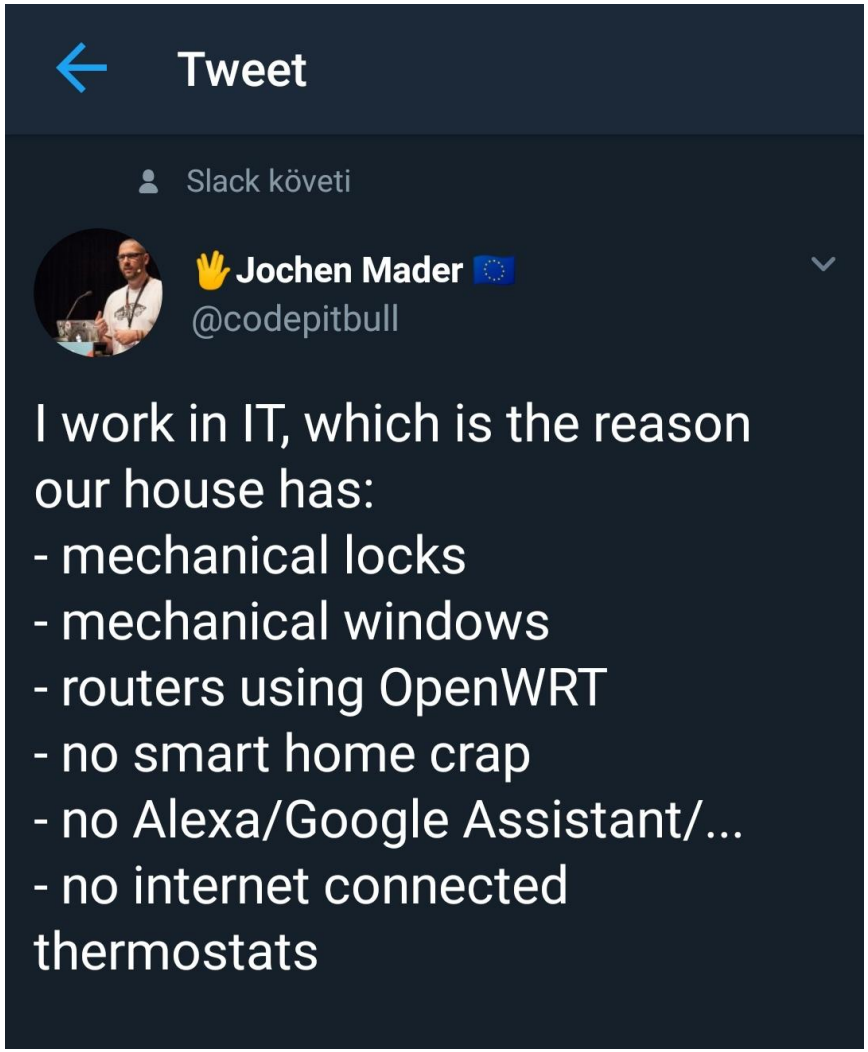
# KeePass2

- real desktop client
  - no forced web/cloud BS
- A single encrypted file as database
  - everything gets encrypted
- Unlock via
  - Master password
  - Windows account
  - Key-file
- strong encryption (e.g. AES-256)
  - for more see

    https://keepass.info/help/base/security.html

# Trust issues?

*https://i.redd.it/r5b7xwtvjqb21.jpg*



# What (not)?

- Generally: Everything
- Exceptions:
  - Email (the root of your digital life)
  - Banking
- Don’t put all your eggs in one basket
  - Security in depth

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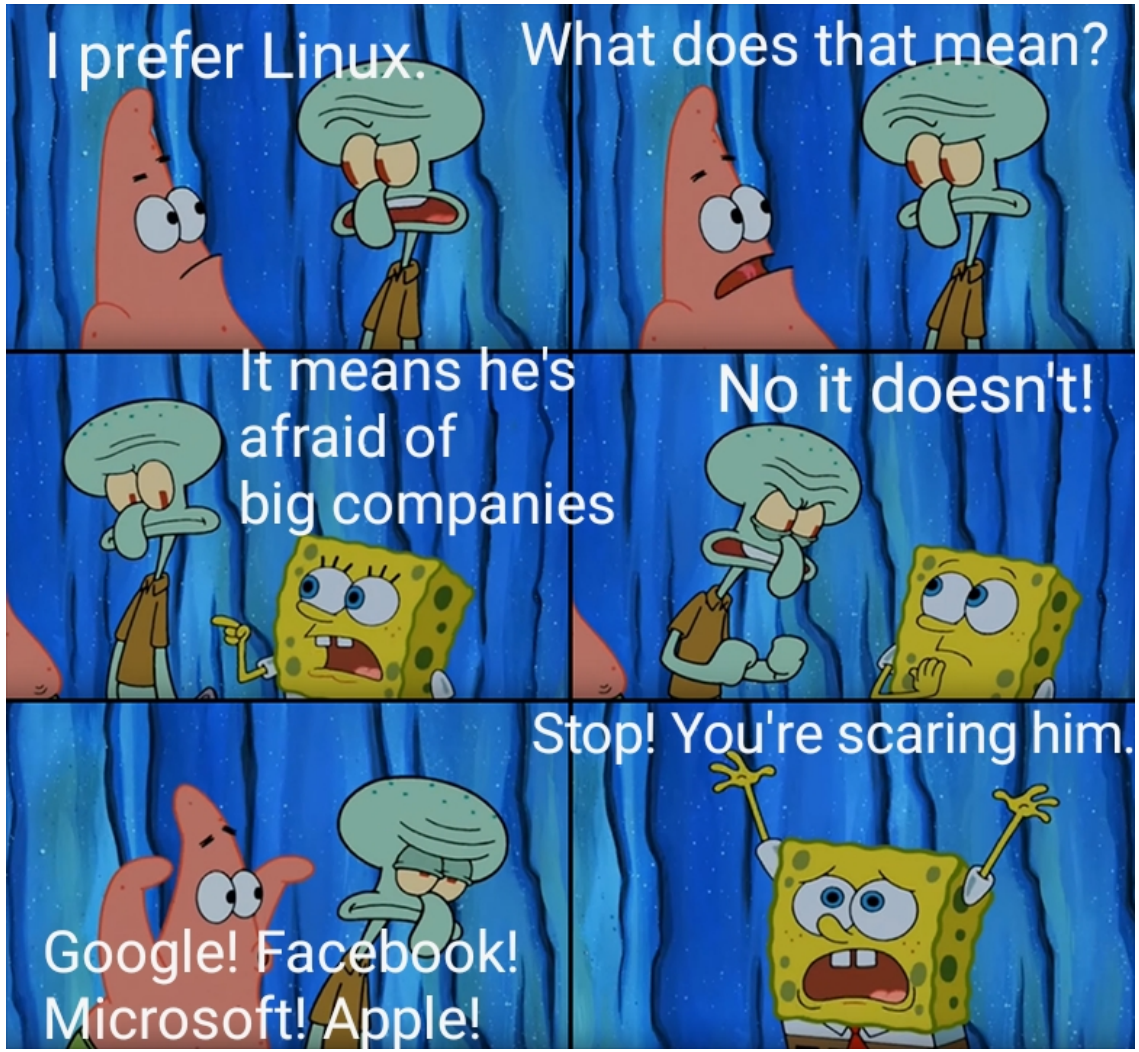
# Demo

# Synchronization

*https://i.imgur.com/WJ114cM.jpg*



# Synchronization and Usage

- Lock database with key-file AND password
  - **BACKUP** the key-file locally
- Synchronize database with your favourite cloud solution between devices (e.g. google, onedrive or dropbox)
- Distribute key files manually to each device you intend to use
- Change passwords on a regular basis
  - use *expires* feature