**Creating a Strong Password**

43 characters is the best length of password

* With 256-bit encryption

Master Password and disk encryptions should be 86 characters with 512-bit encryption

3 properties to consider when creating a password

* Difficulty to crack
* Difficulty to remember
* Difficulty to type

The difficulty of cracking a password is based on its entropy or randomness away from human patterns

* Avoid using patterns (will be in a dictionary)
  + Qwerty
  + Qwertyuiop
  + Qwerty123456
  + 1234qwer
  + 12qwaszx
  + Q1w2e3r4t5y6
* Avoid using dictionary words
* Common phrases
* No dates or places associated with you
* No leatspeak

Use a passphrase, maybe a quote from a film that you specifically remember

Many more dictionaries with English words, use different languages

KEEP BACKUP OF PASSWORD MANAGERS DB

You will be very sad if you lose your passwords