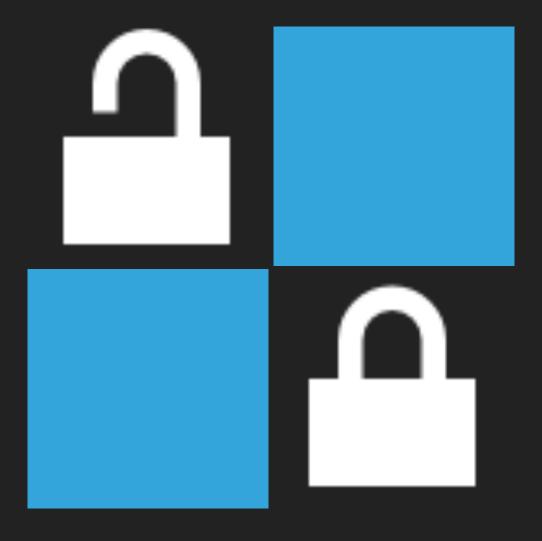
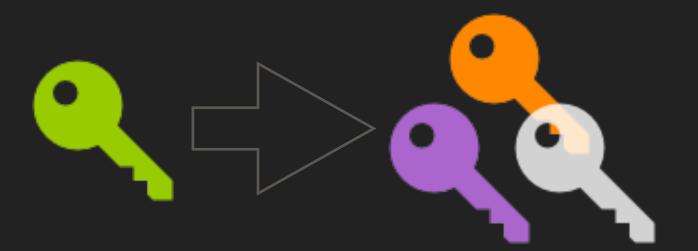
## FROM PASSWORD TO KEY





- Key derivation functions (KDF) convert passwords to keys
- For good (21+ chars) passwords use HKDF (<u>RFC5869</u>)
- Else: use a KDF with brute force protection (\*)
  - SCRYPT (<u>RFC7914</u>)
  - PBKDF2 (<u>RFC2898</u>)





## **PATTERNS**

## KEY DERIVATION 2: FROM 1 TO N