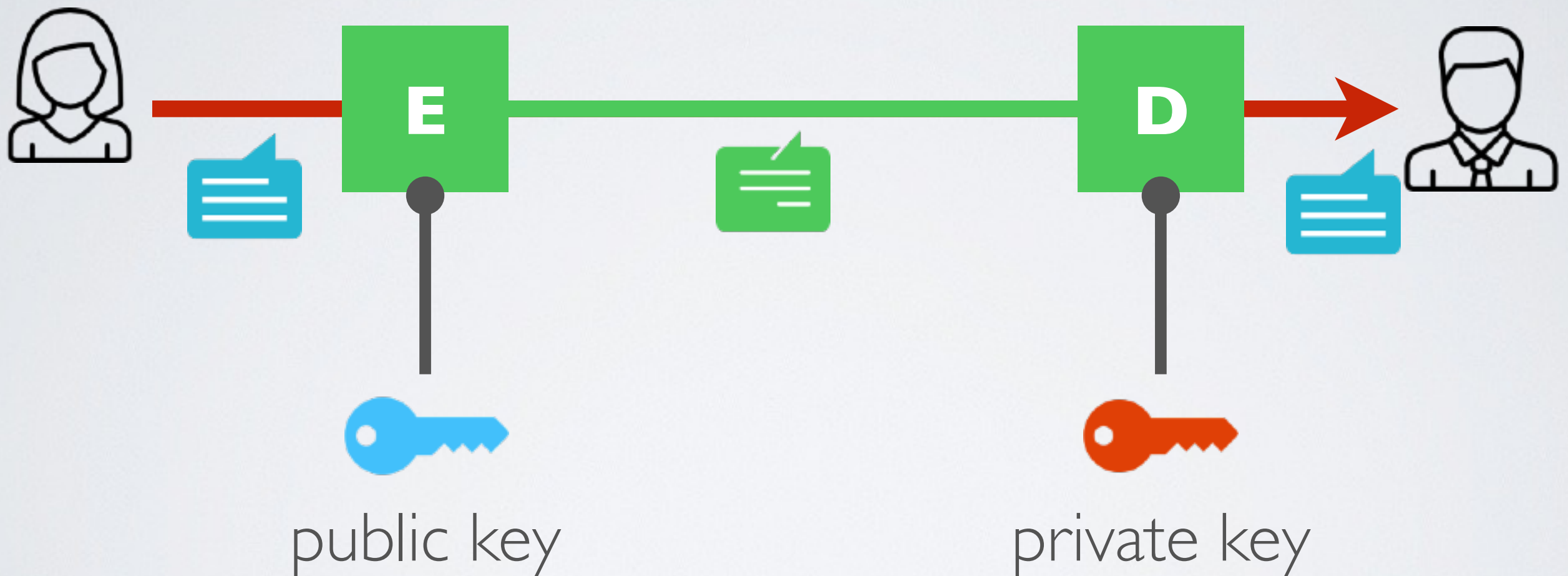


# Asymmetric encryption a.k.a Public Key Cryptography



# Asymmetric keys



Alice generates a pair of asymmetric keys

- $K_{s_A}$  is the secret key that Alice keeps for herself
- $K_{p_A}$  is the public key that Alice gives to everyone (even Mallory)

➔ These two keys  $K_{s_A}$  and  $K_{p_A}$  work together