RFID /NFC Attacks



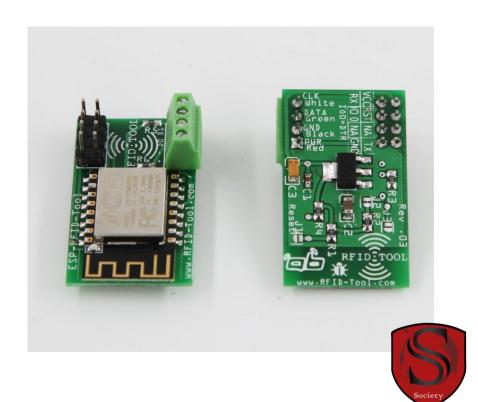
About RFID /NFC

- ► RFID
 - stands for : Radio-frequency identification
 - ► Freq: 125khz
 - ▶ Uses: tracking, marketing, identification
- NFC
 - stands for : Near Field Communication
 - ► Freq: 13.56mhz
 - ▶ Uses : payments , information sharing , identification



Cracking and manipulation

- cracking id : mission impossible film
- > ESP RFID key / BLE key : Wiegand interface
- unscrew reader and access connection wires
- Play with electromagnetic fields



Emulation

- chameleon
- Proxmark3 rdv4
- keysy







cloning

- Proxmark3
- Rfid cloner







