WiFi Bands

- Decides the frequency range that can be used.
- Determines the channels that can be used.
- Clients need to support band used by router to communicate with it.
- Data can be sniffed from a certain band if the wireless adapter used supports that band.

- Most common WiFi Bands are:
  - a uses 5 Ghz frequency only.
  - b, g both use 2.4 Ghz frequency only.
  - n uses 5 and 2.4 Ghz.
 - ac uses frequencies lower than 6 Ghz

Deauthentication Attack

- Disconnect any client from any network.
- No need to connect to the network.
- No need to know its key.
- Works against all wifi networks:
  - WEP.
  - WPA.
  - WPA2

Deauthentication Attack
Against Multiple Clients

- Run the same command multiple times.

- Tips:
  - Use & at the end of the command to run it in the background..
  - Use &>/dev/null to redirect the output to null.
  - Use jobs to see commands running in the background.
  - Use the kill command to stop a specific command.
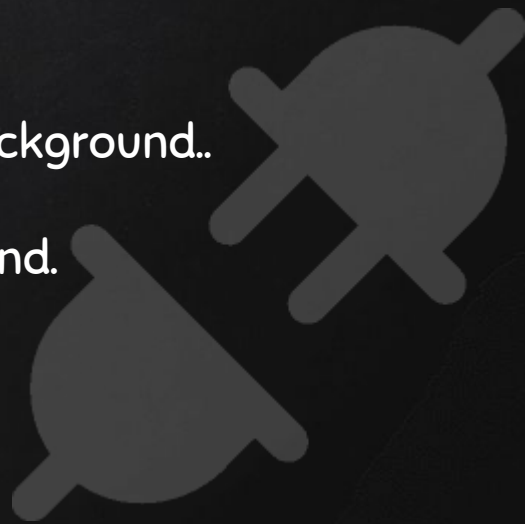
Deauthentication Attack
Against All Clients Connected To A Network

Disconnects all clients connected to a specific network.

- Run the same aireplay-ng command.
- Set the BSSID of target network.
- Omit the -c argument (the client argument).