**PACKET SNIFFING**

**using Airodump-ng**

- Part of the **aircrack-ng** suit

-**Airodump-ng** is a packet sniffer(program designed to capture packets while you are on Monitor Mode)

- Display detailed info about network around us - All wireless networks, connected clients, MAC Address - its channel, its encryption...etc

**To use it you must enable monitor mode first**

**second:**

To use **Airodump-ng** you must type

airodump-ng wlan0

(program to use)(interface to use)

**!! The program won't stop running so use Ctr+C from the keyboard to quit !!**

**(you can use it for any running program on the terminal)**

**BSSID == The MAC Address of the target network**

**PWR == The signal strenght of the network**

The higher the number the better signal we have(Don't forget they start from minus so the best ones are closest to 0)

**Beacons == These are frames sent by the network in order to broadcast it's existence even if it's set to be hidden always send these type of frames**

Basically broadcasting it's existence and telling all wireless devices around it exists, that it has this BSSID, it works on this channel, it uses this encryption and this is his name

**#Data == Number of data packets or data frames**

**! These are the useful packets !**

**#/s == The number of data packets that we collected in the past 10 seconds**

**CH == Channel**

**The channel that the network works on**

**MB == Maximum speed supported by the network**

**ENC == Encryption(Important column)**

**Shows the encryption used by the network**

They could be:

**1. OPN == Open network which doesn't use encryption(We don't need password to connect to it)**

**2. WEP**

**3. WPA**

**4 WPA2**

**CIPHER == The used cipher in the network**

**1. CCMP**

**2. WEP**

**AUTH == The authentication used on that network**

**1. PSK == Pre-Shared Key**

**2. MGT**

**ESSID == Shows the name of the network**

**!! Some networks use 5 GHZ frequency !!**

**!! if you use adapter that does not support more than 2.4 GHz you can't sniff them !!**