Name	Tool: Termshark	
URL	https://www.attackdefense.com/challengedetails?cid=1314	
Type	WiFi Pentesting : WiFi Tools	

**Important Note:** This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

**Objective:** Open the PCAP file in Termshark and answer the following questions:

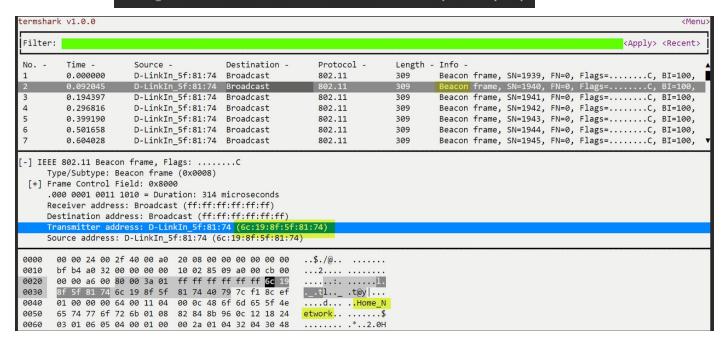
Q1. What is the BSSID for SSID 'Home\_Network'?

## Solution:

Open the PCAP in Termshark.

Command: termshark -r capture.pcap

## root@attackdefense:~# termshark -r capture.pcap





From a beacon frame of the network 'Home\_Network', one can find out the BSSID.

**Answer:** 6c:19:8f:5f:81:74

## Q2. One client was successfully connected to 'Home\_Network'? What is the MAC address of that client?

Filter 4-way handshake packets and check if the handshake was completed.

Filter: eapol

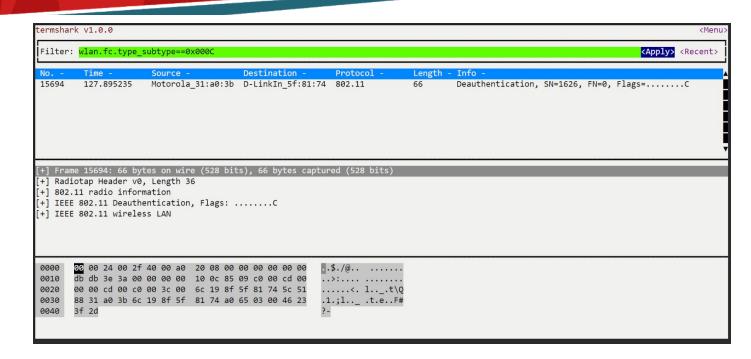
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193	Time -						<apply> <recent:< th=""></recent:<></apply>
		Source -	Destination -	Protocol -	Length	- Info -	
197	29.999631	D-LinkIn_5f:81:74	Motorola_31:a0:3b	EAPOL	195	Key (Message 1 of 4)	
	30.047179	Motorola_31:a0:3b	D-LinkIn_5f:81:74	EAPOL	195	Key (Message 2 of 4)	
199	30.050069	D-LinkIn_5f:81:74	Motorola_31:a0:3b	EAPOL	253	Key (Message 3 of 4)	
501	30.053057	Motorola_31:a0:3b	D-LinkIn_5f:81:74	EAPOL	173	Key (Message 4 of 4)	
502	30.054456	Motorola_31:a0:3b	D-LinkIn_5f:81:74	EAPOL	173	Key (Message 4 of 4)	
503	30.055784	Motorola 31:a0:3b	D-LinkIn 5f:81:74	EAPOL	173	Key (Message 4 of 4)	
.000	eiver address	.e1d: 0x8802 .010 = Duration: 314 .: Motorola_31:a0:3b .ess: D-LinkIn_5f:81:	(5c:51:88:31:a0:3b)				
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		00 00 00 10 02 85		i4			
		02 3a 01 5c 51 88		\Q.1.;l.			
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040 0	3 00 00 00 88	8e 01 03 00 75 02	00 8a 00 10 00	u			
		00 00 8d 79 34 b8	- 1	y4 .</td <td></td> <th></th> <td></td>			

**Answer:** 5c:51:88:31:a0:3b

Q3. How many deauthentication packets were sent by the client to BSSID?

Filter for deauthentication packets.

**Filter:** wlan.fc.type\_subtype==0x000C



Only one deauthentication packet is present in the PCAP.

Answer: 1