

Assignment 1:

1. On what channel was the victim network operating?

2

2. What is the ESSID of the targeted Wi-Fi network?

The LAN Before Time

```
▼ Tagged parameters (86 bytes)
  > Tag: SSID parameter set: "The LAN Before Time"
  > Tag: Supported Rates 1(B), 2(B), 5.5(B), 11(B), 6, 9, 12, 18, [Mbit/sec]
  > Tag: DS Parameter set: Current Channel: 2
```

3. What is the MAC address of the victim that was de-authenticated?

F6:7e95:cc:0c:bd

4. What is the wireless key (in hex)?

3D:4D:35:7C:79:29:36:34:27:38:26:58:48

```
Aircrack-ng 1.7

[00:00:01] Tested 2282258 keys (got 40525 IVs)

KB    depth  byte(vote)
0     0/ 9    3D(49920) A4(48128) 82(47872) 05(47104) 5A(46848) F4(46848) 45(46336) 35(45824) A7(45824)
1     4/ 6    E7(48640) 8A(47872) 92(47872) D8(47104) 03(46848) C3(46848) 2E(45824) 6B(45824) 9C(45824)
2     0/ 1    35(54016) 1A(48384) 62(47872) C3(47616) 0B(47104) 1E(47104) 24(47104) 74(47104) 2B(46848)
3     0/ 1    7C(54784) 6C(49152) 89(49152) 6F(48128) C4(48128) 87(47872) AC(47872) 0C(47360) 50(46848)
4     2/ 13   79(49408) DB(48640) B6(48640) DE(47872) 17(47616) 84(47616) AD(47104) FD(46848) 90(46848)
5     0/ 2    29(54272) 05(53504) 11(48640) FA(47616) 2A(47104) 7F(47104) 0E(46848) 0C(46592) 74(46592)
6     0/ 2    36(52736) 7B(49408) 5A(48640) 5B(47872) C2(47872) BD(46848) 58(46592) C8(46592) 4C(46336)
7     0/ 9    34(49920) 1A(48640) AE(48384) 96(47616) 4A(47616) 46(47104) 8D(46336) 91(46336) C5(46080)
8     0/ 9    27(50176) 0C(47872) A3(47872) 88(47104) 5D(46848) 36(46592) 5E(46336) 89(46336) 9C(46336)
9     0/ 1    38(56064) F6(50432) 87(48384) 53(46848) C9(46848) E0(46848) F9(46848) 26(46592) BF(46592)
10    0/ 1    26(56576) 34(51200) 10(48640) 06(47872) B5(47360) EE(47360) 2E(47104) 3A(46336) 1D(46080)
11    0/ 1    58(58112) 8D(49152) D5(49152) 3C(48128) E2(48128) 1F(47616) 10(47104) 4C(47104) F3(47104)
12    0/ 12   48(50176) 0B(49920) 13(49408) 55(49408) 0E(48640) 33(48128) B9(47872) 63(47616) B0(47616)

KEY FOUND! [ 3D:4D:35:7C:79:29:36:34:27:38:26:58:48 ] (ASCII: =M5|y)64'8&XH )
Decrypted correctly: 100%
```

Assignment2:

1. On what channel was the victim network operating?

4

2. What is the ESSID of the targeted Wi-Fi network?

FBI VAN #8

```
▼ Tagged parameters (183 bytes)
  > Tag: SSID parameter set: "FBI Van #8"
  > Tag: Supported Rates 1(B), 2(B), 5.5(B), 11(B), 6, 9, 12, 18, [Mbit/sec]
  > Tag: DS Parameter set: Current Channel: 4
```

3. What is the MAC address of the victim that was de-authenticated?

82:35:ce:a7:15

4. What is the wireless passphrase?

```
(rogueking@MIGUEL-PC) [/mnt/c/Users/migue/Documents/cyber/hashcat-6.2.6]
$ hcxpcapngtool CS653Module5Assignment2.pcap -o /mnt/c/Users/migue/Documents/cyber/hashcat-6.2.6/candidates.hc22000
hcxpcapngtool 6.2.7 reading from CS653Module5Assignment2.pcap...

summary capture file
-----
file name.....: CS653Module5Assignment2.pcap
version (pcap/cap).....: 2.4 (very basic format without any additional information)
timestamp minimum (GMT).....: 01.04.2020 08:53:26
timestamp maximum (GMT).....: 01.04.2020 08:53:40
used capture interfaces.....: 1
link layer header type.....: DLT_IEEE802_11 (105) very basic format without any additional information about the quality
endianness (capture system).....: little endian
packets inside.....: 579
ESSID (total unique).....: 1
BEACON (total).....: 1
BEACON on 2.4 GHz channel (from IE_TAG)..: 4
ACTION (total).....: 6
PROBERESPONSE (total).....: 17
DEAUTHENTICATION (total).....: 309
AUTHENTICATION (total).....: 2

PS C:\Users\migue\Documents\cyber\hashcat-6.2.6> ./hashcat.exe -a 3 -m 22000 .\CS653Module5Assignment2.hc22000 SKY-FBIV-
?d?d?d?d
hashcat (v6.2.6) starting
```

SKY-FBIV-2396