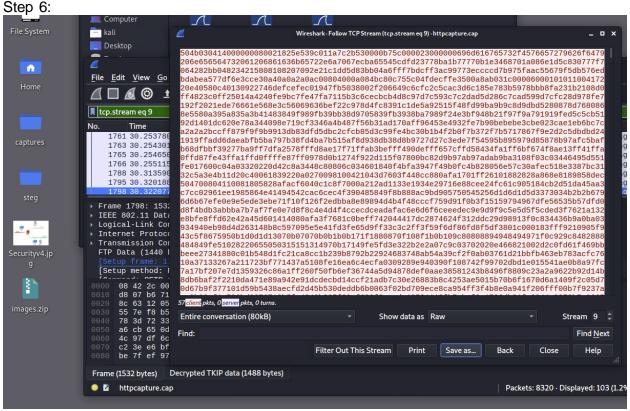
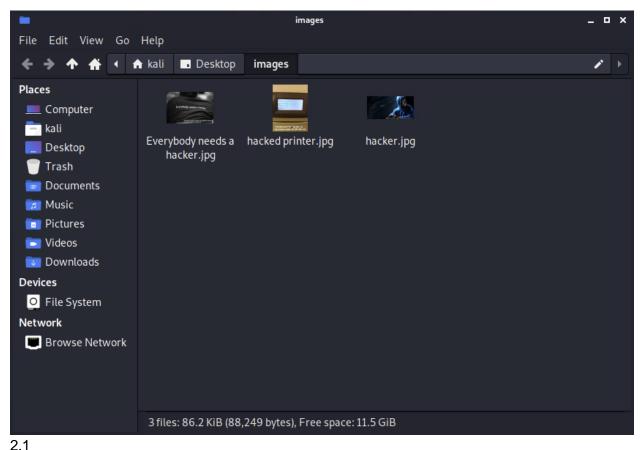
Peter Sanford IT 2700 NetLab Lab 18 12/4/2023

1.1.2



Step 10:



Step 8:

```
—(kali⊛kali)-[~/Desktop]
s airdecap-ng -w 6B:33:6C:33:21 ~/Desktop/captures/WEP.cap
Total number of stations seen
                                         6
Total number of packets read
                                     73946
Total number of WEP data packets
                                     37612
Total number of WPA data packets
                                         0
Number of plaintext data packets
                                         0
Number of decrypted WEP packets
                                     37612
Number of corrupted WEP packets
                                         0
                                         0
Number of decrypted WPA packets
Number of bad TKIP (WPA) packets
                                         0
Number of bad CCMP (WPA) packets
                                         0
  -(kali⊛kali)-[~/Desktop]
L_$ |
```

3.1 Step 5:

```
Aircrack-ng 1.6
      [00:00:02] 3443/3559 keys tested (2002.28 k/s)
     Time left: 0 seconds
                                                             96.74%
                         KEY FOUND! [ password2 ]
     Master Key
                    : AE BD C5 18 93 AC 45 EC A4 45 C7 B4 4A 96 BB A9
                      92 B5 4F CC A0 6C 9B FB 1F F4 0C D4 06 27 41 41
     Transient Key : 9A 14 E8 99 35 CA 7A B4 21 EA 8D FA 37 9F 97 D1
                      72 50 9D FD 78 5D A8 47 2C 88 00 08 F0 D8 7A A8
                      17 C7 73 CA 0B 6F 49 AF EC AA 68 CB 3C CA 44 7A
                     49 3C 72 F2 55 36 58 A3 0D C6 31 FB 1C 70 80 90
     EAPOL HMAC
                  : DE 01 08 23 B5 FA 3A AD 32 9D 07 79 C9 17 BA 42
  —(kali⊛kali)-[~/Desktop]
Total number of stations seen
Total number of packets read
Total number of WEP data packets
                                   23289
                                     0
Total number of WPA data packets
                                   10068
Number of plaintext data packets
Number of decrypted WEP packets
Number of corrupted WEP packets
                                       0
                                       0
Number of decrypted WPA packets
                                    9855
Number of bad TKIP (WPA) packets
                                       0
Number of bad CCMP (WPA) packets
                                       0
```

## Commentary:

In this lab we explored Aircrack-ng to decrypt and crack both WPA and WEP encrypted wireless packets. I learned that this tool is powerful and shows how quickly you can intercept and look at encrypted traffic if not secured correctly. Companies can use this information to update their wireless communication encryption to make it more difficult to encrypt and read sensitive information.