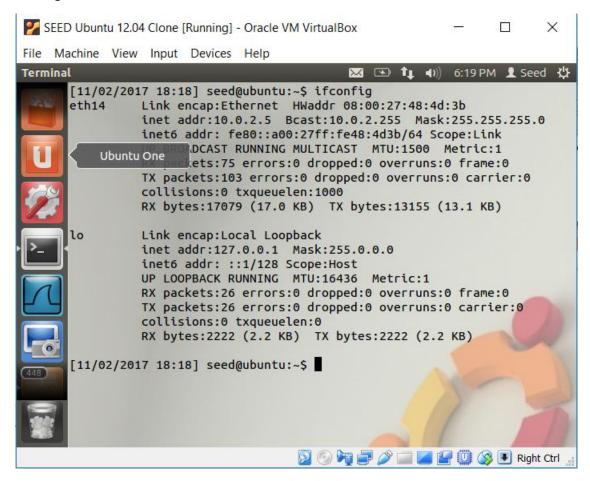
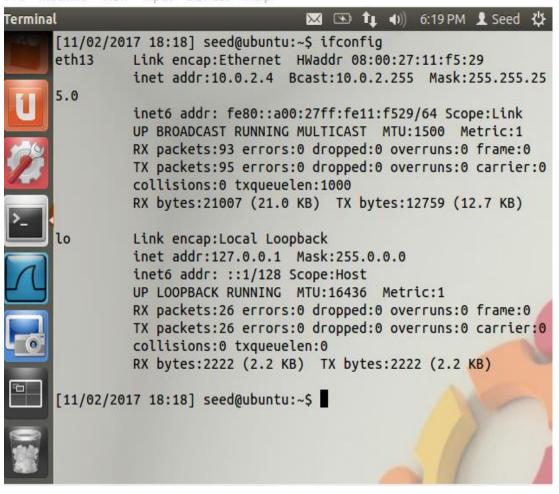
IfConfig of clone its eth14

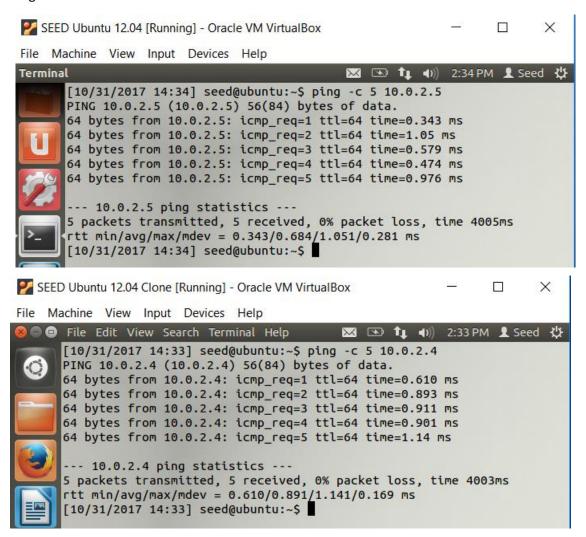




File Machine View Input Devices Help

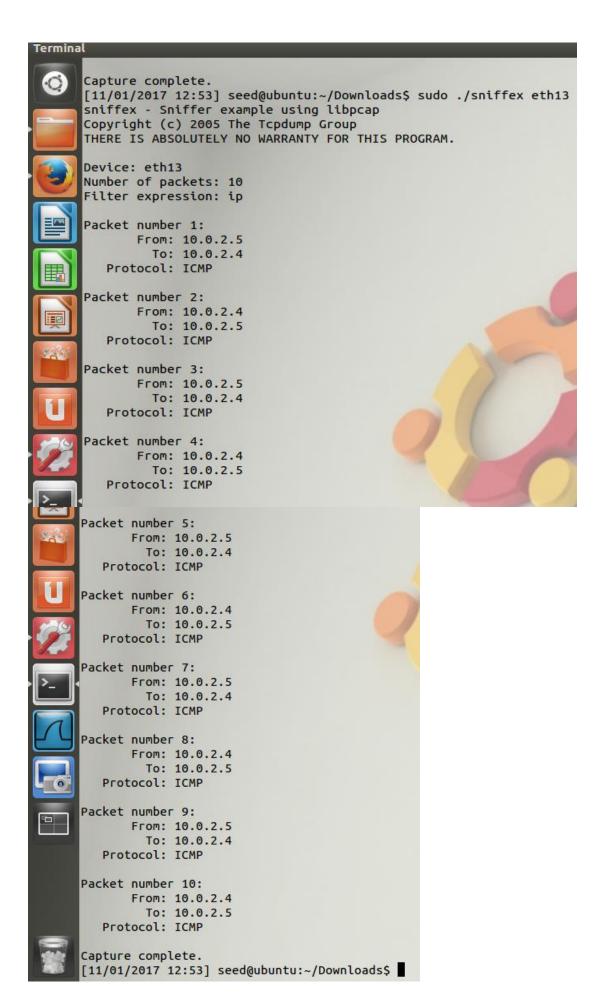


X

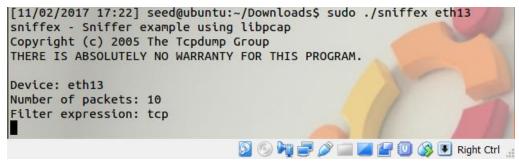


Problem 2 Sniffex

Needed to run sudo due to lack of permissions.



Sniff tcp only



No tcp packets are being sent

```
Device: eth13
Number of packets: 10
Filter expression: tcp
^C[11/02/2017 17:34] seed@ubuntu:~/Downloads$ sudo ./sniffex eth13
sniffex - Sniffer example using libpcap
Copyright (c) 2005 The Tcpdump Group
THERE IS ABSOLUTELY NO WARRANTY FOR THIS PROGRAM.
Device: eth13
Number of packets: 10
Filter expression: tcp
Packet number 1:
       From: 10.0.2.5
         To: 10.0.2.4
   Protocol: TCP
   Src port: 42173
   Dst port: 23
   Payload (1 bytes):
00000
      64
Packet number 2:
       From: 10.0.2.4
        To: 10.0.2.5
   Protocol: TCP
   Src port: 23
   Dst port: 42173
Packet number 3:
      From: 10.0.2.5
        To: 10.0.2.4
   Protocol: TCP
   Src port: 42173
   Dst port: 23
   Payload (1 bytes):
00000
      65
Packet number 4:
       From: 10.0.2.4
        To: 10.0.2.5
   Protocol: TCP
   Src port: 23
   Dst port: 42173
```

```
Packet number 5:
      From: 10.0.2.5
        To: 10.0.2.4
   Protocol: TCP
   Src port: 42173
   Dst port: 23
   Payload (1 bytes):
00000 65
                                                            e
Packet number 6:
      From: 10.0.2.4
        To: 10.0.2.5
   Protocol: TCP
   Src port: 23
  Dst port: 42173
Packet number 7:
       From: 10.0.2.5
        To: 10.0.2.4
   Protocol: TCP
   Src port: 42173
   Dst port: 23
   Payload (1 bytes):
00000 73
Packet number 8:
       From: 10.0.2.4
        To: 10.0.2.5
   Protocol: TCP
   Src port: 23
  Dst port: 42173
Packet number 9:
       From: 10.0.2.5
        To: 10.0.2.4
   Protocol: TCP
   Src port: 42173
   Dst port: 23
   Payload (2 bytes):
00 00 0d 00
Packet number 10:
       From: 10.0.2.4
        To: 10.0.2.5
   Protocol: TCP
   Src port: 23
   Dst port: 42173
Capture complete.
[11/02/2017 17:36] seed@ubuntu:~/Downloads$
```

Easy to locate the users password when they log in.

Wire shark

```
🚫 🖃 🗊 1 2017-11-02 17:53:47.008959 10.0.2.5 10.0.2.4 TELNET 67 Telnet Data ...
Frame 1: 67 bytes on wire (536 bits), 67 bytes captured (536 bits)
▶ Ethernet II, Src: CadmusCo 48:4d:3b (08:00:27:48:4d:3b), Dst: CadmusCo 11:f5:29 (08:00:27:1
▶ Internet Protocol Version 4, Src: 10.0.2.5 (10.0.2.5), Dst: 10.0.2.4 (10.0.2.4)
▶ Transmission Control Protocol, Src Port: 42173 (42173), Dst Port: telnet (23), Seq: 1, Ack:
      0020
     02 95 f4 d6 00 00 01 01  08 0a 00 15 c8 e3 00 15
0030
0040 ac a9 64
 🚫 🖨 📵 3 2017-11-02 17:53:47.197692 10.0.2.5 10.0.2.4 TELNET 67 Telnet Data ...
▶ Frame 3: 67 bytes on wire (536 bits), 67 bytes captured (536 bits
Ethernet II, Src: CadmusCo 48:4d:3b (08:00:27:48:4d:3b), Dst: CadmusCo 11:f5:29 (08:00:27:1
Internet Protocol Version 4, Src: 10.0.2.5 (10.0.2.5), Dst: 10.0.2.4 (10.0.2.4)
▶ Transmission Control Protocol, Src Port: 42173 (42173), Dst Port: telnet (23), Seq: 2, Ack:
      0020
0030
     c2 53 65
 😰 🖨 📵 5 2017-11-02 17:53:47.341361 10.0.2.5 10.0.2.4 TELNET 67 Telnet Data ...
Frame 5: 67 bytes on wire (536 bits), 67 bytes captured (536 bits)
Ethernet II, Src: CadmusCo 48:4d:3b (08:00:27:48:4d:3b), Dst: CadmusCo 11:f5:29 (08:00:27:1
Internet Protocol Version 4, Src: 10.0.2.5 (10.0.2.5), Dst: 10.0.2.4 (10.0.2.4)
Transmission Control Protocol, Src Port: 42173 (42173), Dst Port: telnet (23), Seq: 3, Ack:
     9020
     02 95 dd b2 00 00 01 01  08 0a 00 15 c9 36 00 15
9030
9040
     c2 78 65
 🕲 🖨 📵 7 2017-11-02 17:53:47.519912 10.0.2.5 10.0.2.4 TELNET 67 Telnet Data ...
Frame 7: 67 bytes on wire (536 bits), 67 bytes captured (536 bits)
Ethernet II, Src: CadmusCo 48:4d:3b (08:00:27:48:4d:3b), Dst: CadmusCo 11:f5:29 (08:00:27:1
▶ Internet Protocol Version 4, Src: 10.0.2.5 (10.0.2.5), Dst: 10.0.2.4 (10.0.2.4)
▶ Transmission Control Protocol, Src Port: 42173 (42173), Dst Port: telnet (23), Seq: 4, Ack:
Tolnot
0020
0030
0040
```

Is able to get the password of the other computer.

D

```
● ● 5 2017-11-02 18:11:43.969814 10.0.2.5 10.0.2.4 SSH 194 Encrypted request packet len=128
Frame 5: 194 bytes on wire (1552 bits), 194 bytes captured (1552 bits)
▶ Ethernet II, Src: CadmusCo 48:4d:3b (08:00:27:48:4d:3b), Dst: CadmusCo 11:f5:29 (08:00:27:11
Internet Protocol Version 4, Src: 10.0.2.5 (10.0.2.5), Dst: 10.0.2.4 (10.0.2.4)
▶ Transmission Control Protocol, Src Port: 35112 (35112), Dst Port: ssh (22), Seq: 145, Ack: 3
▶ SSH Protocol
0000
      08 00 27 11 f5 29 08 00 27 48 4d 3b 08 00 45 00
                                                           .'..).. 'HM;..E.
0010
      00 b4 11 91 40 00 40 06  10 ab 0a 00 02 05 0a 00
0020
       01 22 35 8f 00 00 01 01
                               08 0a 00 19 e4 9c 00
0040
                               8d a8 af 1d 57 bd 4a
         93 e8 03 79 9d 52 8d
0050
                               46 dc f7 be b7 83 73
         50 02 61 3b b3 49 c2
                               86 7f 8d ca 41 9a 85
0060
         75 ad cc b1 af 0e a0
                               1a 2e 4a 9c 8b 99 67
0070
      3c 62 f0 01 2d 77 c0 fc
0080
      a9 75 1a a9 aa 3f c3 40
                               bf 3f 69 a9 8d 49 a9 af
      2c 30 58 5c 02 c1 5c 4c
                              23 fb c8 58 12 f5 06 26
00b0
      d3 49 0f c2 a8 3e fc d0 df 62 7a ab 8d ab 99 68
00c0 64 8d
```

Ε

```
🕲 🚍 🗊 3 2017-11-02 18:11:43.969290 10.0.2.4 10.0.2.5 SSH 98 Encrypted response packet len=32
Frame 3: 98 bytes on wire (784 bits), 98 bytes captured (784 bits)
▶ Ethernet II, Src: CadmusCo 11:f5:29 (08:00:27:11:f5:29), Dst: CadmusCo 48:4d:3b (08:00:27:48
Internet Protocol Version 4, Src: 10.0.2.4 (10.0.2.4), Dst: 10.0.2.5 (10.0.2.5)
Transmission Control Protocol, Src Port: ssh (22), Dst Port: 35112 (35112), Seq: 1, Ack: 145
▶ SSH Protocol
      08 00 27 48 4d 3b 08 00 27 11 f5 29 08 00 45 00
                                                               .'HM;...'..)..E.
0000
0010
      00 54 a7 af 40 00 40 06  7a ec 0a 00 02 04 0a 00
      02 05 00 16 89 28 6e 42  71 69 6b 6f ca 00 80 18
0020
0030
       e4 96 19 5d e0 f7 7d 20  9a 97 1b 03 88 75 85 aa
24 0e_ba 17 d0 9e ac 33  b8 03 6e 48 40 ff e9 dd
0050
0060
```

```
🔘 🗎 🗎 1 2017-11-02 18:11:43.944945 10.0.2.5 10.0.2.4 SSH 210 Encrypted request packet len=144
Frame 1: 210 bytes on wire (1680 bits), 210 bytes captured (1680 bits
▶ Ethernet II, Src: CadmusCo 48:4d:3b (08:00:27:48:4d:3b), Dst: CadmusCo 11:f5:29 (08:00:27:11
Internet Protocol Version 4, Src: 10.0.2.5 (10.0.2.5), Dst: 10.0.2.4 (10.0.2.4)
Transmission Control Protocol, Src Port: 35112 (35112), Dst Port: ssh (22), Seq: 1, Ack: 1,
▶ SSH Protocol
                                                          .'..).. 'HM;..E.
      08 00 27 11 f5 29 08 00   27 48 4d 3b 08 00 45 00
0000
0010
0020
      02 04 89 28 00 16 6b 6f
                                                          ..(..ko .pnBqi.
      01 22 00 2e 00 00 01 01
0030
         41 e3 70 0c 39 95 42
                               e9 34 ba ca b3 b9 f4 a2
0040
      05 19 56 8e 16 54 f5 95
0050
0060
      d0 e2 0b 51 57 5c 0c 90 b7 b3 a2 fd c2 00 d1 bb
      84 78 a4 0b 20 74 65 b4
                              08 fa 74 71 ad c7 e5 70
0070
     c0 5d e5 95 96 c1 ea f1
                               81 bc 83 02 c3 80 70 0c
                               f8 e2 c8 96 d4 3b fa 4c
    Ubuntu Software Center
                               5c e6 a7 b8 a4 cd 56 bd
      2b 31 7c b2 2e 05 12 bc ca 78 2c 55 43 1b e1 29
00b0
00c0
     3c 4e 0f 9d 60 26 4c 5f  7d e6 5f 06 a8 57 07 98
00d0
     ad dc
```

S

```
🔯 🖨 📵 7 2017-11-02 18:11:44.034194 10.0.2.4 10.0.2.5 SSH 114 Encrypted response packet len=48
114 bytes on wire (912 bits), 114 bytes captured (912 bits)
II, Src: CadmusCo 11:f5:29 (08:00:27:11:f5:29), Dst: CadmusCo 48:4d:3b (08:00:27:48:4d:3b)
Protocol Version 4, Src: 10.0.2.4 (10.0.2.4), Dst: 10.0.2.5 (10.0.2.5)
ion Control Protocol, Src Port: ssh (22), Dst Port: 35112 (35112), Seq: 33, Ack: 273, Len: 48
col
                                                            ..'HM;.. '..)..E.
.d..@.@. z.....
0000
       08 00 27 48 4d 3b 08 00 27 11 f5 29 08 00 45 00
0010
       00 64 a7 b1 40 00 40 06
0020
                                                            ....(nB q.ko...
       01 5f 18 5f 00 00 01 01
0030
                                61 19 07 6c 4e 0d a7 be
0040
      6b 89 c2 78 89 0d 95 60  f7 2d ef 56 81 b4 2e fd
0050
      fb 31 7b 56 a3 b8 34 d4 4b 16 41 8f 63 e2 be 5e
0060
      2b 4e
0070
```

Can not find the password that is encoded by ssh.