```
**************************
3
  Peter Knight
5
6
7
  This text file contains the answers to the exercises. Some answers are "missing"
  as these are in picture form and will be in the github.
8
9
10
11
12
13
14
  15
  https://github.com/shadman48/CS 380 Exercise 5
16
  17
18
19
  Step 3.2.1 - PACKET SNIFFER
20
  ********
21
  VM - SEED UBUNTU (MAIN)
22
23
  ______
24 [10/29/2017 18:19] seed@ubuntu:~/Downloads$ sudo ./sniffex eth14
25 sniffex - Sniffer example using libpcap
  Copyright (c) 2005 The Tcpdump Group
  THERE IS ABSOLUTELY NO WARRANTY FOR THIS PROGRAM.
28
29 Device: eth14
30
  Number of packets: 10
31 Filter expression: ip
32
33 Packet number 1:
        From: 10.0.2.4
34
         To: 10.0.2.5
35
    Protocol: ICMP
36
37
  Packet number 2:
38
        From: 10.0.2.5
39
         To: 10.0.2.4
40
    Protocol: ICMP
41
42
  Packet number 3:
43
44
        From: 10.0.2.5
         To: 10.0.2.3
45
    Protocol: UDP
46
47
  Packet number 4:
48
        From: 10.0.2.3
49
         To: 255.255.255.255
50
    Protocol: UDP
51
52
53
  Packet number 5:
        From: 10.0.2.4
54
         To: 10.0.2.5
55
    Protocol: ICMP
56
57
  Packet number 6:
58
59
        From: 10.0.2.5
          To: 10.0.2.4
60
    Protocol: ICMP
61
62
  Packet number 7:
63
```

```
From: 10.0.2.4
            To: 10.0.2.5
65
      Protocol: ICMP
66
67
   Packet number 8:
68
          From: 10.0.2.5
69
70
            To: 10.0.2.4
      Protocol: ICMP
71
72
   Packet number 9:
73
          From: 10.0.2.4
74
            To: 10.0.2.5
75
      Protocol: ICMP
76
77
   Packet number 10:
78
          From: 10.0.2.5
79
            To: 10.0.2.4
80
      Protocol: ICMP
81
82
   Capture complete.
83
84
85
86
   VM - SEED UBUNTU (CLONE)
87
88
   _____
89 [10/29/2017 18:14] seed@ubuntu:~$ ping -c 5 10.0.2.5
90 PING 10.0.2.5 (10.0.2.5) 56(84) bytes of data.
91 64 bytes from 10.0.2.5: icmp req=1 ttl=64 time=0.470 ms
92 64 bytes from 10.0.2.5: icmp req=2 ttl=64 time=0.450 ms
93 64 bytes from 10.0.2.5: icmp req=3 ttl=64 time=0.391 ms
94 64 bytes from 10.0.2.5: icmp reg=4 ttl=64 time=0.351 ms
95 64 bytes from 10.0.2.5: icmp req=5 ttl=64 time=0.414 ms
96
   --- 10.0.2.5 ping statistics ---
97
98 5 packets transmitted, 5 received, 0% packet loss, time 3999ms
99 rtt min/avg/max/mdev = 0.351/0.415/0.470/0.044 ms
100
101
102
103
104
105
106
107
108 Step 3.2.2 - TCP ONLY PACKETS
   ********
109
110 VM - SEED UBUNTU (MAIN)
111 || -----
112 [10/29/2017 20:10] seed@ubuntu:~/Downloads$ sudo ./sniffex eth14
113 sniffex - Sniffer example using libpcap
114 Copyright (c) 2005 The Topdump Group
115 THERE IS ABSOLUTELY NO WARRANTY FOR THIS PROGRAM.
116
117 Device: eth14
118 Number of packets: 10
119 Filter expression: tcp
120
122 After changing what packets to sniff to TCP there were no results as there were no tcp
123 packets being sent out.
125
126
```

```
127 VM - SEED UBUNTU (CLONE)
128 | -----
129 [10/29/2017 20:09] seed@ubuntu:~$ ping -c 5 10.0.2.5
130 PING 10.0.2.5 (10.0.2.5) 56(84) bytes of data.
131 64 bytes from 10.0.2.5: icmp req=1 ttl=64 time=0.331 ms
132 64 bytes from 10.0.2.5: icmp_req=2 ttl=64 time=0.366 ms
133 64 bytes from 10.0.2.5: icmp_req=3 ttl=64 time=0.412 ms
134 64 bytes from 10.0.2.5: icmp_req=4 ttl=64 time=0.279 ms
   64 bytes from 10.0.2.5: icmp_req=5 ttl=64 time=0.429 ms
135
136
   --- 10.0.2.5 ping statistics ---
137
138 5 packets transmitted, 5 received, 0% packet loss, time 3997ms
139 rtt min/avg/max/mdev = 0.279/0.363/0.429/0.057 ms
140
141
142
143
   Step 3.3 - PASSWORD SNIFFING.
144
   ********
145
   SEE PICTURE FOR FIRST PART.
146
147
148
   |-----
149 VM - SEED UBUNTU (MAIN)
150 || -----
151 [10/30/2017 19:50] seed@ubuntu:~/Downloads$ sudo ./sniffex eth14
152 sniffex - Sniffer example using libpcap
153 Copyright (c) 2005 The Tcpdump Group
154 THERE IS ABSOLUTELY NO WARRANTY FOR THIS PROGRAM.
155
156 Device: eth14
157 Number of packets: 45
158 Filter expression: tcp
159
160 Packet number 1:
          From: 10.0.2.4
161
            To: 10.0.2.5
162
      Protocol: TCP
163
      Src port: 37513
164
      Dst port: 23
165
166
   Packet number 2:
167
          From: 10.0.2.5
168
           To: 10.0.2.4
169
170
      Protocol: TCP
171
      Src port: 23
      Dst port: 37513
172
173
   Packet number 3:
174
          From: 10.0.2.4
175
            To: 10.0.2.5
176
      Protocol: TCP
177
178
      Src port: 37513
179
      Dst port: 23
180
181 Packet number 4:
          From: 10.0.2.4
182
            To: 10.0.2.5
183
      Protocol: TCP
184
      Src port: 37513
185
      Dst port: 23
186
      Payload (27 bytes):
187
          ff fd 03 ff fb 18 ff fb 1f ff fb 20 ff fb 21 ff
   00000
188
                                                               fb 22 ff fb 27 ff fd 05 ff fb 23
                                                               ."...#
   00016
189
```

```
190
   Packet number 5:
191
           From: 10.0.2.5
192
             To: 10.0.2.4
193
       Protocol: TCP
194
195
       Src port: 23
196
       Dst port: 37513
197
   Packet number 6:
198
           From: 10.0.2.5
199
             To: 10.0.2.4
200
       Protocol: TCP
201
       Src port: 23
202
203
       Dst port: 37513
204
       Payload (12 bytes):
           ff fd 18 ff fd 20 ff fd 23 ff fd 27
205
    00000
                                                                   ..... ..#...'
206
   Packet number 7:
207
           From: 10.0.2.4
208
             To: 10.0.2.5
209
210
       Protocol: TCP
       Src port: 37513
211
       Dst port: 23
212
213
214 Packet number 8:
           From: 10.0.2.5
215
216
             To: 10.0.2.4
217
       Protocol: TCP
218
       Src port: 23
219
       Dst port: 37513
       Payload (39 bytes):
220
            ff fb 03 ff fd 1f ff fd 21 ff fe 22 ff fb 05 ff
221 00000
            fa 20 01 ff f0 ff fa 23 01 ff f0 ff fa 27 01 ff
   00016
                                                                   . . . . . . # . . . . . ' . .
222
   00032
           f0 ff fa 18 01 ff f0
223
224
225 Packet number 9:
           From: 10.0.2.4
226
             To: 10.0.2.5
227
       Protocol: TCP
228
       Src port: 37513
229
230
       Dst port: 23
231
232 Packet number 10:
233
           From: 10.0.2.4
             To: 10.0.2.5
234
       Protocol: TCP
235
       Src port: 37513
236
       Dst port: 23
237
       Payload (74 bytes):
238
   00000
           ff fa 1f 00 3c 00 1c ff f0 ff fa 20 00 33 38 34
                                                                   239
   00016
            30 30 2c 33 38 34 30 30 ff f0 ff fa 23 00 75 62
                                                                   00,38400...#.ub
240
                                                                   untu:0....'..DIS
            75 6e 74 75 3a 30 ff f0 ff fa 27 00 00 44 49 53
241
   00032
            50 4c 41 59 01 75 62 75 6e 74 75 3a 30 ff f0 ff
                                                                   PLAY.ubuntu:0...
242
   00048
243 00064
            fa 18 00 78 74 65 72 6d ff f0
                                                                    ...xterm..
244
245 Packet number 11:
           From: 10.0.2.5
246
             To: 10.0.2.4
247
248
       Protocol: TCP
249
       Src port: 23
       Dst port: 37513
250
251
252 Packet number 12:
```

```
253
           From: 10.0.2.5
254
             To: 10.0.2.4
255
       Protocol: TCP
       Src port: 23
256
257
       Dst port: 37513
258
       Payload (3 bytes):
           ff fd 01
259
   00000
                                                                     . . .
260
   Packet number 13:
261
           From: 10.0.2.4
262
             To: 10.0.2.5
263
       Protocol: TCP
264
       Src port: 37513
265
266
       Dst port: 23
267
       Payload (3 bytes):
           ff fc 01
268
    00000
                                                                     . . .
269
   Packet number 14:
270
           From: 10.0.2.5
271
             To: 10.0.2.4
272
       Protocol: TCP
273
       Src port: 23
274
       Dst port: 37513
275
       Payload (3 bytes):
276
   00000
            ff fb 01
277
                                                                     . . .
278
   Packet number 15:
279
280
           From: 10.0.2.4
281
             To: 10.0.2.5
282
       Protocol: TCP
       Src port: 37513
283
       Dst port: 23
284
       Payload (3 bytes):
285
           ff fd 01
   00000
286
287
288 Packet number 16:
           From: 10.0.2.5
289
             To: 10.0.2.4
290
       Protocol: TCP
291
       Src port: 23
292
       Dst port: 37513
293
294
       Payload (20 bytes):
           55 62 75 6e 74 75 20 31 32 2e 30 34 2e 32 20 4c
295
    00000
                                                                     Ubuntu 12.04.2 L
            54 53 0d 0a
296
    00016
                                                                     TS..
297
   Packet number 17:
298
           From: 10.0.2.4
299
             To: 10.0.2.5
300
301
       Protocol: TCP
       Src port: 37513
302
       Dst port: 23
303
304
305
   Packet number 18:
           From: 10.0.2.5
306
             To: 10.0.2.4
307
308
       Protocol: TCP
       Src port: 23
309
       Dst port: 37513
310
311
       Payload (14 bytes):
           75 62 75 6e 74 75 20 6c 6f 67 69 6e 3a 20 ubuntu login:
312
   00000
313
   Packet number 19:
314
           From: 10.0.2.4
315
```

```
316
              To: 10.0.2.5
       Protocol: TCP
317
       Src port: 37513
318
       Dst port: 23
319
320
321
   Packet number 20:
           From: 10.0.2.4
322
              To: 10.0.2.5
323
       Protocol: TCP
324
       Src port: 37513
325
       Dst port: 23
326
       Payload (1 bytes):
327
    00000
            73
328
                                                                       s
329
    Packet number 21:
330
           From: 10.0.2.5
331
              To: 10.0.2.4
332
       Protocol: TCP
333
334
       Src port: 23
335
       Dst port: 37513
336
       Payload (1 bytes):
    00000
337
                                                                       s
338
   Packet number 22:
339
           From: 10.0.2.4
340
              To: 10.0.2.5
341
342
       Protocol: TCP
343
       Src port: 37513
344
       Dst port: 23
345
   Packet number 23:
346
           From: 10.0.2.4
347
              To: 10.0.2.5
348
       Protocol: TCP
349
       Src port: 37513
350
       Dst port: 23
351
       Payload (1 bytes):
352
   00000
353
            65
                                                                       е
354
   Packet number 24:
355
           From: 10.0.2.5
356
              To: 10.0.2.4
357
358
       Protocol: TCP
359
       Src port: 23
       Dst port: 37513
360
       Payload (1 bytes):
361
    00000
            65
                                                                       е
362
363
364
   Packet number 25:
           From: 10.0.2.4
365
              To: 10.0.2.5
366
367
       Protocol: TCP
368
       Src port: 37513
369
       Dst port: 23
370
   Packet number 26:
371
           From: 10.0.2.4
372
              To: 10.0.2.5
373
374
       Protocol: TCP
       Src port: 37513
375
       Dst port: 23
376
       Payload (1 bytes):
377
   00000
            65
378
                                                                       е
```

```
379
   Packet number 27:
380
           From: 10.0.2.5
381
             To: 10.0.2.4
382
       Protocol: TCP
383
       Src port: 23
384
385
       Dst port: 37513
       Payload (1 bytes):
386
    00000
387
            65
                                                                      e
388
   Packet number 28:
389
           From: 10.0.2.4
390
             To: 10.0.2.5
391
       Protocol: TCP
392
       Src port: 37513
393
       Dst port: 23
394
395
   Packet number 29:
396
           From: 10.0.2.4
397
             To: 10.0.2.5
398
399
       Protocol: TCP
       Src port: 37513
400
       Dst port: 23
401
       Payload (1 bytes):
402
   00000
                                                                      d
            64
403
404
   Packet number 30:
405
406
           From: 10.0.2.5
407
             To: 10.0.2.4
408
       Protocol: TCP
       Src port: 23
409
       Dst port: 37513
410
       Payload (1 bytes):
411
                                                                      d
   00000
            64
412
413
   Packet number 31:
414
           From: 10.0.2.4
415
             To: 10.0.2.5
416
       Protocol: TCP
417
       Src port: 37513
418
419
       Dst port: 23
420
421
   Packet number 32:
422
           From: 10.0.2.4
             To: 10.0.2.5
423
       Protocol: TCP
424
       Src port: 37513
425
       Dst port: 23
426
427
       Payload (2 bytes):
   00000
           0d 00
428
429
   Packet number 33:
430
431
           From: 10.0.2.5
             To: 10.0.2.4
432
       Protocol: TCP
433
       Src port: 23
434
       Dst port: 37513
435
       Payload (12 bytes):
436
437
   00000
           0d 0a 50 61 73 73 77 6f 72 64 3a 20
                                                                      .. Password:
438
   Packet number 34:
439
           From: 10.0.2.4
440
              To: 10.0.2.5
441
```

```
442
       Protocol: TCP
443
       Src port: 37513
       Dst port: 23
444
445
   Packet number 35:
446
447
           From: 10.0.2.4
              To: 10.0.2.5
448
       Protocol: TCP
449
       Src port: 37513
450
       Dst port: 23
451
       Payload (1 bytes):
452
                                                                       d
    00000
453
           64
454
455
    Packet number 36:
           From: 10.0.2.5
456
              To: 10.0.2.4
457
       Protocol: TCP
458
       Src port: 23
459
       Dst port: 37513
460
461
   Packet number 37:
462
           From: 10.0.2.4
463
              To: 10.0.2.5
464
       Protocol: TCP
465
       Src port: 37513
466
467
       Dst port: 23
468
       Payload (1 bytes):
469
   00000
            65
                                                                       е
470
471
   Packet number 38:
           From: 10.0.2.5
472
              To: 10.0.2.4
473
       Protocol: TCP
474
       Src port: 23
475
       Dst port: 37513
476
477
   Packet number 39:
478
           From: 10.0.2.4
479
              To: 10.0.2.5
480
       Protocol: TCP
481
       Src port: 37513
482
483
       Dst port: 23
484
       Payload (1 bytes):
485
    00000
486
   Packet number 40:
487
           From: 10.0.2.5
488
              To: 10.0.2.4
489
       Protocol: TCP
490
       Src port: 23
491
       Dst port: 37513
492
493
494
   Packet number 41:
           From: 10.0.2.4
495
              To: 10.0.2.5
496
497
       Protocol: TCP
       Src port: 37513
498
       Dst port: 23
499
500
       Payload (1 bytes):
   00000
501
            73
                                                                       s
502
   Packet number 42:
503
           From: 10.0.2.5
504
```

```
505
            To: 10.0.2.4
      Protocol: TCP
506
      Src port: 23
507
      Dst port: 37513
508
509
510 Packet number 43:
511
          From: 10.0.2.4
            To: 10.0.2.5
512
      Protocol: TCP
513
      Src port: 37513
514
      Dst port: 23
515
      Payload (2 bytes):
516
         0d 00
517
   00000
518
   Packet number 44:
519
          From: 10.0.2.5
520
            To: 10.0.2.4
521
      Protocol: TCP
522
      Src port: 23
523
      Dst port: 37513
524
525
526 Packet number 45:
          From: 10.0.2.5
527
            To: 10.0.2.4
528
      Protocol: TCP
529
530
      Src port: 23
      Dst port: 37513
532
      Payload (2 bytes):
533
   00000
         0d 0a
534
   Capture complete.
535
536
537
538 VM - SEED UBUNTU (CLONE)
   |-----
539
540 [10/30/2017 19:51] seed@ubuntu:~$ telnet 10.0.2.5
541 Trying 10.0.2.5...
542 Connected to 10.0.2.5.
543 Escape character is '^]'.
544 | Ubuntu 12.04.2 LTS
545 ubuntu login: seed
   Password:
   Last login: Mon Oct 30 19:38:45 PDT 2017 from ubuntu.local on pts/3
548
   Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-37-generic i686)
549
   * Documentation: https://help.ubuntu.com/
550
551
New release '14.04.1 LTS' available.
   Run 'do-release-upgrade' to upgrade to it.
553
554
555 [10/30/2017 19:51] seed@ubuntu:~$ exit
556
   logout
557
   Connection closed by foreign host.
558
559
560
561
562 Step 3.3 - PASSWORD SNIFFING.
   ********
563
564
   VM - SEED UBUNTU (MAIN)
565
566
   567
```

```
568 ubuntu login: sseeeedd .
   Password: dees .
   Last login: Mon Oct 30 19:51:24 PDT 2017 from ubuntu.local on pts/3
   Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-37-generic i686)
571
572
573
    * Documentation: https://help.ubuntu.com/
574
   New release '14.04.1 LTS' available.
575
   Run 'do-release-upgrade' to upgrade to it.
576
577
   [10/30/2017 19:56] seed@ubuntu:~$ eexxiitt .
578
579
   logout
   -----
580
   VM - SEED UBUNTU (CLONE)
581
582
   -----
   [10/30/2017 19:55] seed@ubuntu:~$ telnet 10.0.2.5
583
584
   Trying 10.0.2.5...
   Connected to 10.0.2.5.
585
586 | Escape character is '^]'.
   Ubuntu 12.04.2 LTS
587
588 ubuntu login: seed
589 Password:
590 Last login: Mon Oct 30 19:51:24 PDT 2017 from ubuntu.local on pts/3
   Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-37-generic i686)
591
592
    * Documentation: https://help.ubuntu.com/
593
594
   New release '14.04.1 LTS' available.
595
596
   Run 'do-release-upgrade' to upgrade to it.
597
   [10/30/2017 19:56] seed@ubuntu:~$ exit
598
599
   logout
   Connection closed by foreign host
600
601
602
603
604
605
606
607
   3333333333333333333333333333333333
608
   After changing to Wireshark instead of using my own sniffer,
609
   I can still locate the users username as well as their password.
610
611
   You can view this in the images.
612
613
   Telnet as from what I have seen so far and with my limited knowlage, does not seem to
614
   present itself as a security wise choice. It was very easy to sniff the packets and gain
615
   username and password in matter of seconds.
616
   617
618
619
620
622
623
624
625
626
627
628
   Step 3.3 - SSH.
629
630
```

```
_____
   VM - SEED UBUNTU (MAIN)
632
633
   SSH-2.0-OpenSSH 5.9pl Debian-5ubuntu1.1
634
   .....>..t...-...ecdh-sha2-nistp256,ecdh-sha2-nistp384,ecdh-sha2-nistp521,diffi
635
   -hellman-group-exchange-sha256, diffie-hellman-group-exchange-sha1, diffie-hellman-group14
636
   sha1,diffie-hellman-group1-sha1...:ecdsa-sha2-nistp256-cert-v01@openssh.com,ecdsa-sha2-
637
   nistp384-cert-v01@openssh.com,ecdsa-sha2-nistp521-cert-v01@openssh.com,ssh-rsa-cert-v01
638
   @openssh.com,ssh-dss-cert-v01@openssh.com,ssh-rsa-cert-v00@openssh.com,ssh-dss-cert-v00
639
   @openssh.com,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,ecdsa-sha2-nistp521,ssh-rsa,ssh-dss
640
   ...aes128-ctr,aes192-ctr,aes256-ctr,arcfour256,arcfour128,aes128-cbc,3des-cbc,blowfish-cbc
641
   ,cast128-cbc,aes192-cbc,aes256-cbc,arcfour,rijndael-cbc@lysator.liu.se....aes128-ctr,
642
   aes192-ctr, aes256-ctr, arcfour256, arcfour128, aes128-cbc, 3des-cbc, blowfish-cbc, cast128-cbc
643
   aes192-cbc, aes256-cbc, arcfour, rijndael-cbc@lysator.liu.se....hmac-md5, hmac-shal, umac-64
644
645
   @openssh.com,hmac-sha2-256,hmac-sha2-256-96,hmac-sha2-512,hmac-sha2-512-96,hmac-ripemd160,
   hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96....hmac-md5,hmac-sha1,umac-64
646
   @openssh.com,hmac-sha2-256,hmac-sha2-256-96,hmac-sha2-512,hmac-sha2-512-96,hmac-ripemd160,
647
   hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96....none,zlib@openssh.com,zlib....none,
648
   zlib@openssh.com,zlib......L....L.....L....Y.8...F.Q..4.T.w..F..i.~..Pe6.
649
   W..(\*..B.G.:..0..B.....&.....
650
   651
   ...."..I.....`.....'s..=...F4.&.8lx...a..b(..:.f6.;....k.0+w+..eY..1~z...[uu.......B<...\
652
   .+h.9.....`z..k..ubZ...2....*.p.#..FI..Piw-..d......F<&y..U.1.Q....:......J?..#.......>|
653
   .K.:..w%..h..^.EL....'..N.C~.-.M.C.^...%....NI7..+.p..>B..M....;c...v...bBq.]..W..C.V.↓m
654
   ...(....f.>.U&..)3..._~..i%...Z.....<T.D.....E; je.d... ...$.B..8..A..C?.X....GSo..5n..........
   .....g.a..$.4..D. a,.....9....2FQ.[...jL...;Z....(O.Q5B..-@...I7@'D.Ym..NF...q.1...2O.↓J
   .....A.e....V0Kjf...3....kF.....v.{w.s#.o.r3...=k......c/.6...X.49.....G.8.O...@....\|.
   \..B....K..8r.j.r......F...?...X..u..Z...i.h.]F.5.....X......~..~..(. .....#.p~.I<i..?牌3
   =Dq....<\`....\Wg.\"xX._u....?....\}1!.....,...K.\'-F.-..5..+.. o..Q....,8....<....t8x).;.\\\\
660
   Z..r....!."../..U.....^z..L.....7.....t.<(..........l.M..F.v>.T.n..{.O.F..E)V$.|.^....$
661
   .W.$X@f...'.....Tx../.i.q......tc...%. W8....*.s..170....e..mwU?.2S~..hX..F. ...$R aY..#
662
   ._.>./......P;..+g.T .'.L.-_gR/.n,.O._= .$"...4.s:.8F.....e K.7+..}a....VwK....
663
   .*#....{.q....%.....(.Vhn:....P..?xy..Q>|.Hs....}...X..s....?.....\..SU.c.G...&.7=Y
664
   ..N.a....
665
666
667
668
669
670
671
   VM - SEED UBUNTU (CLONE)
672
673
   [10/30/2017 20:26] seed@ubuntu:~$ ssh seed@10.0.2.5
674
   The authenticity of host '10.0.2.5 (10.0.2.5)' can't be established.
675
   ECDSA key fingerprint is 81:82:a9:af:bd:93:78:f9:1a:a7:ca:7f:e8:d6:6c:04.
676
   Are you sure you want to continue connecting (yes/no)? yes
677
   Warning: Permanently added '10.0.2.5' (ECDSA) to the list of known hosts.
678
   seed@10.0.2.5's password:
679
   Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-37-generic i686)
680
681
682
    * Documentation: https://help.ubuntu.com/
683
   New release '14.04.1 LTS' available.
   Run 'do-release-upgrade' to upgrade to it.
685
686
   Last login: Mon Oct 30 19:56:21 2017 from ubuntu.local
687
   [10/30/2017 20:27] seed@ubuntu:~$ exit
688
689
   Connection to 10.0.2.5 closed.
690
691
692
693
```

Lab Re Saved:	port 10/30/17, 9:02:44 PM Pr	inted for	Page 12/12: peter knight
696 697 698	&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&		