

<https://github.com/CJimbob/CWM-ProgNets/tree/main/assignment4>

I sent 5 packets.

Without the drop action, the packets were turned. So 10 packets were observed.

After the drop action, only 5 packets were observed.

Capturing from enxc37965f8a29

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter... <Ctrl>/>

No.	Time	Source	Destination	Protocol	Length	Info
23	1.483761732	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
21	1.483487925	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
19	1.411831966	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
17	1.411473484	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
15	1.339646039	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
13	1.339262860	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
11	1.263616618	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
9	1.262689548	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
7	1.187092769	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
5	1.180315792	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
24	1.484234780	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
22	1.483761441	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
20	1.412214247	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
18	1.411831744	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
16	1.348183871	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)

Frame 1: 81 bytes on wire (648 bits), 81 bytes captured (648 bits) on interface enxc37965f8a29, id 0

- Ethernet II, Src: Raspberr 84:8c:b6 (e4:5f:01:84:8c:b6), Dst: BizLinkT-SF:8a:29 (0c:37:96:5f:8a:29)
- Internet Protocol Version 4, Src: 192.168.10.2, Dst: 1.1.1.1
- User Datagram Protocol, Src Port: 39790, Dst Port: 53
- Domain Name System (query)

0000 0c 37 96 5f 8a 29 e4 5f 01 84 8c b6 00 00 45 00 7 - - - - - E

0010 00 42 78 ad 00 00 11 14 57 c0 00 0a 02 01 01 0 - - - - - M - - - - -

0020 01 01 9b 6e 00 35 06 2f cd 99 b4 b7 01 00 00 01 - - - - - n 5 / - - - - -

0030 00 00 00 00 00 00 01 31 06 64 65 62 69 61 6e 04 - - - - - 1 debian

0040 70 6f 6f 6c 63 6e 74 70 63 6f 72 67 00 00 01 00 pool ntp .org - - -

0050 01

enxc37965f8a29 - live capture in progress

Packets: 28 - Displayed: 28 (100.0%)

Profile: Default

pi@p4pi: ~/CWM-Proglets/assignment4

```
ubutu@ubuntu: ~/CWM-Proglets/assignment4
TABLE ENTRIES
Dumping default entry
Action entry: MyIngress.swap_mac_addresses -
=====
RuntimeCmd: table_add MyIngress.src_mac_drop MyIngress.drop
Adding entry to exact match table MyIngress.src_mac_drop
Match key: EXACT:0c:37:96:5f:8a:29
Action: MyIngress.drop
Runtime data:
Entry has been added with handle 16777216
RuntimeCmd: table_dump MyIngress.src_mac_drop
=====
TABLE ENTRIES
=====
Dumping entry 0x10000000
Match key:
+ Ethernet.srcaddr : EXACT 0c37965f8a29
Action entry: MyIngress.drop -
=====
Dumping default entry
Action entry: MyIngress.swap_mac_addresses -
=====
RuntimeCmd: table_delete MyIngress.src_mac_drop
Error: Wrong number of args, expected 2 but got 1
RuntimeCmd: table_delete MyIngress.src_mac_drop 16777216
Deleting entry 16777216 from MyIngress.src_mac_drop
RuntimeCmd: table_dump MyIngress.src_mac_drop
=====
TABLE ENTRIES
=====
Dumping default entry
Action entry: MyIngress.swap_mac_addresses -
=====
RuntimeCmd: table_add MyIngress.src_mac_drop MyIngress.drop 0c:37:96:5f:8a:29 =>
Adding entry to exact match table MyIngress.src_mac_drop
Match key: EXACT:0c:37:96:5f:8a:29
Action: MyIngress.drop
Runtime data:
Entry has been added with handle 33554432
RuntimeCmd: table_dump MyIngress.src_mac_drop
=====
TABLE ENTRIES
=====
Dumping entry 0x20000000
Match key:
+ Ethernet.srcaddr : EXACT 0c37965f8a29
Action entry: MyIngress.drop -
=====
Dumping default entry
Action entry: MyIngress.swap_mac_addresses -
=====
RuntimeCmd:
```

Capturing from enxc37965f8a29

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No.	Time	Source	Destination	Protocol	Length	Info
17	3.385217405	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
14	3.321315973	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
11	3.257487734	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
8	3.209811935	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
5	3.137191273	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
12	3.385065005	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
18	3.385548012	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
16	3.322668584	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
15	3.324096960	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
13	3.258104617	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
12	3.257786295	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
10	3.210531930	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
9	3.210224988	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
7	3.136059864	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)
6	3.137034970	192.168.10.2	192.168.10.1	ICMP	92	Destination unreachable (Port unreachable)

Frame 17: 64 bytes on wire (512 bits), 64 bytes captured (512 bits) on interface enxc37965f8a29, id 0

- Ethernet II, Src: BizLinkT-SF:8a:29 (0c:37:96:5f:8a:29), Dst: Raspberr 84:8c:b6 (e4:5f:01:84:8c:b6)
- Internet Protocol Version 4, Src: 192.168.10.1, Dst: 192.168.10.2
- User Datagram Protocol, Src Port: 50000, Dst Port: 1024
- Data (22 bytes)

0000 04 5f 01 84 8c b6 0c 37 96 5f 8a 29 00 00 45 00 2 - - - - - F - - - - -

0010 00 32 60 01 00 00 40 11 e5 66 c0 a8 0a 01 c0 a8 - - - - - 2 - - - - - F - - - - -

0020 0a 02 c3 50 84 00 00 1e df 4a 7a 68 6e 70 6b 0b - - - - - F - - - - - Jzhfnvk

0030 68 6a 6e 78 6b 6c 65 72 70 61 7a 78 6e 7a 6b 0a hjnukler pazanczk

Ethernet (eth), 14 byte(s)

Packets: 23 - Displayed: 23 (100.0%)

Profile: Default