Exercício Prático Redes

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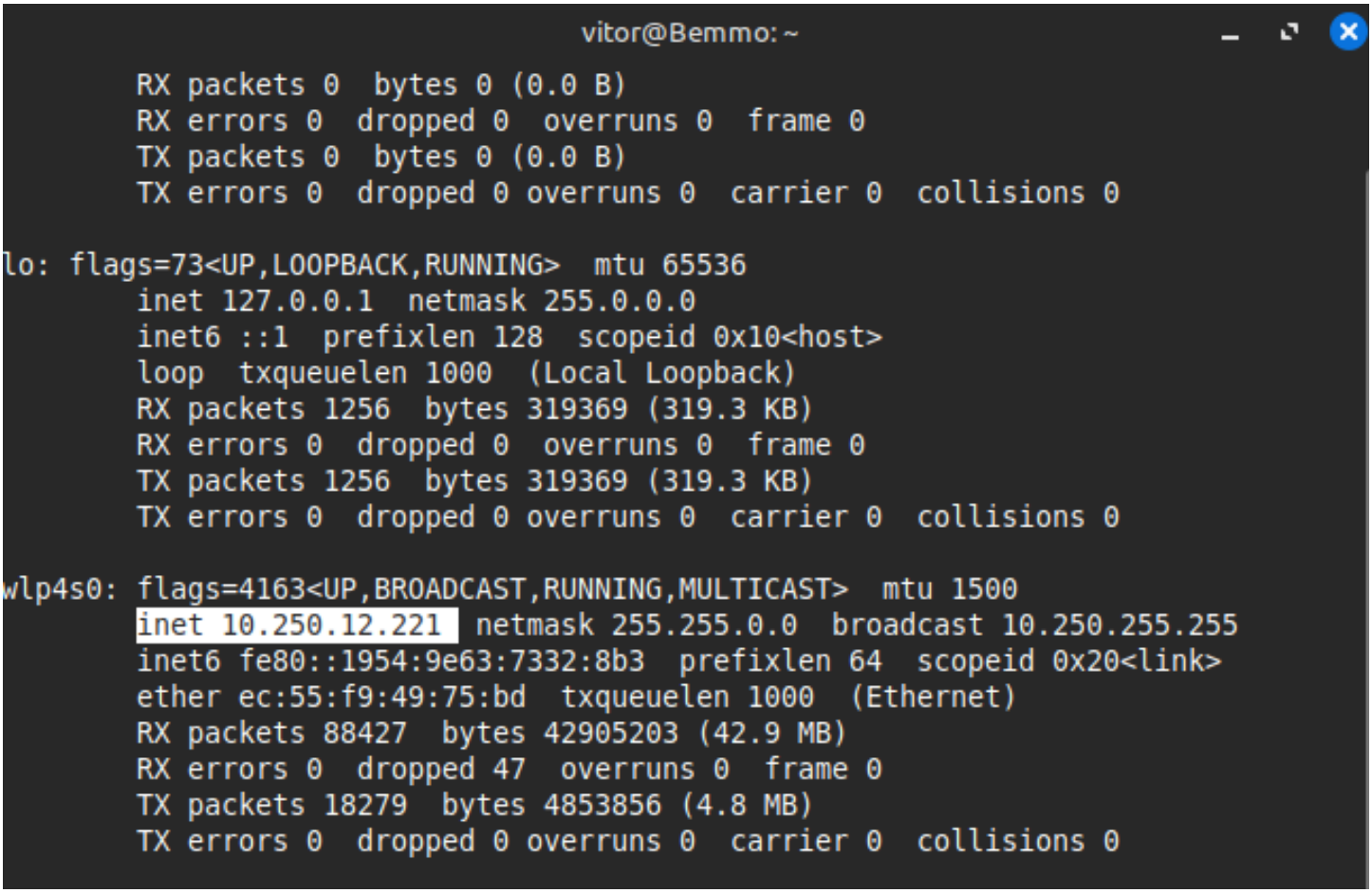
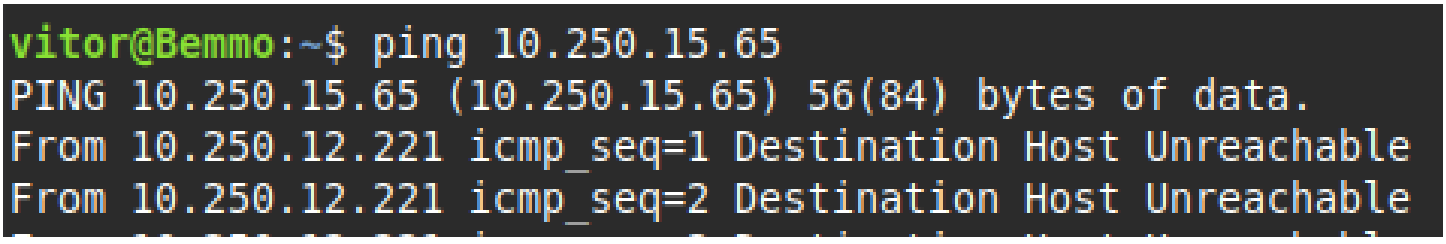
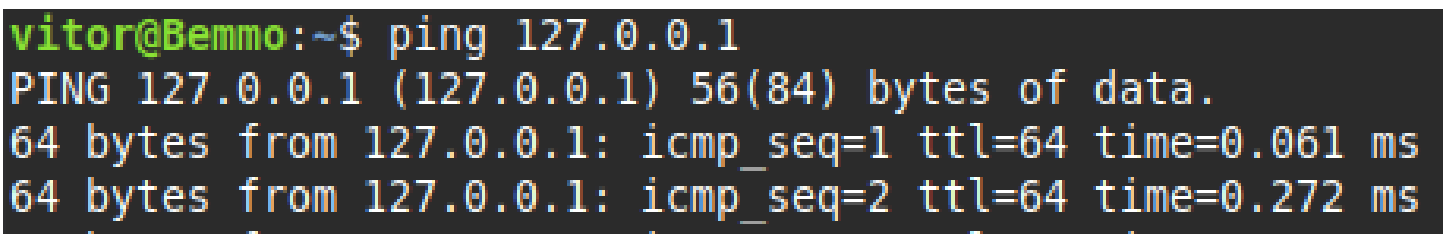
EX(1)



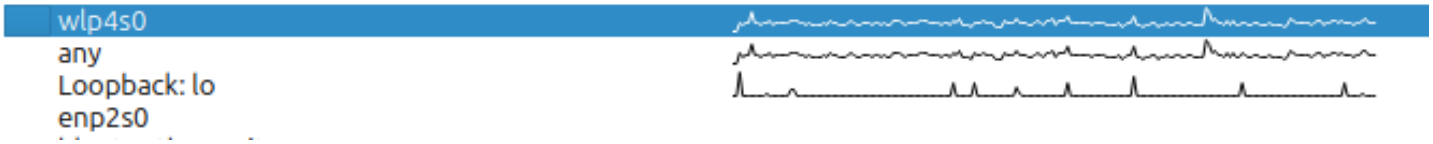
EX(1.5)



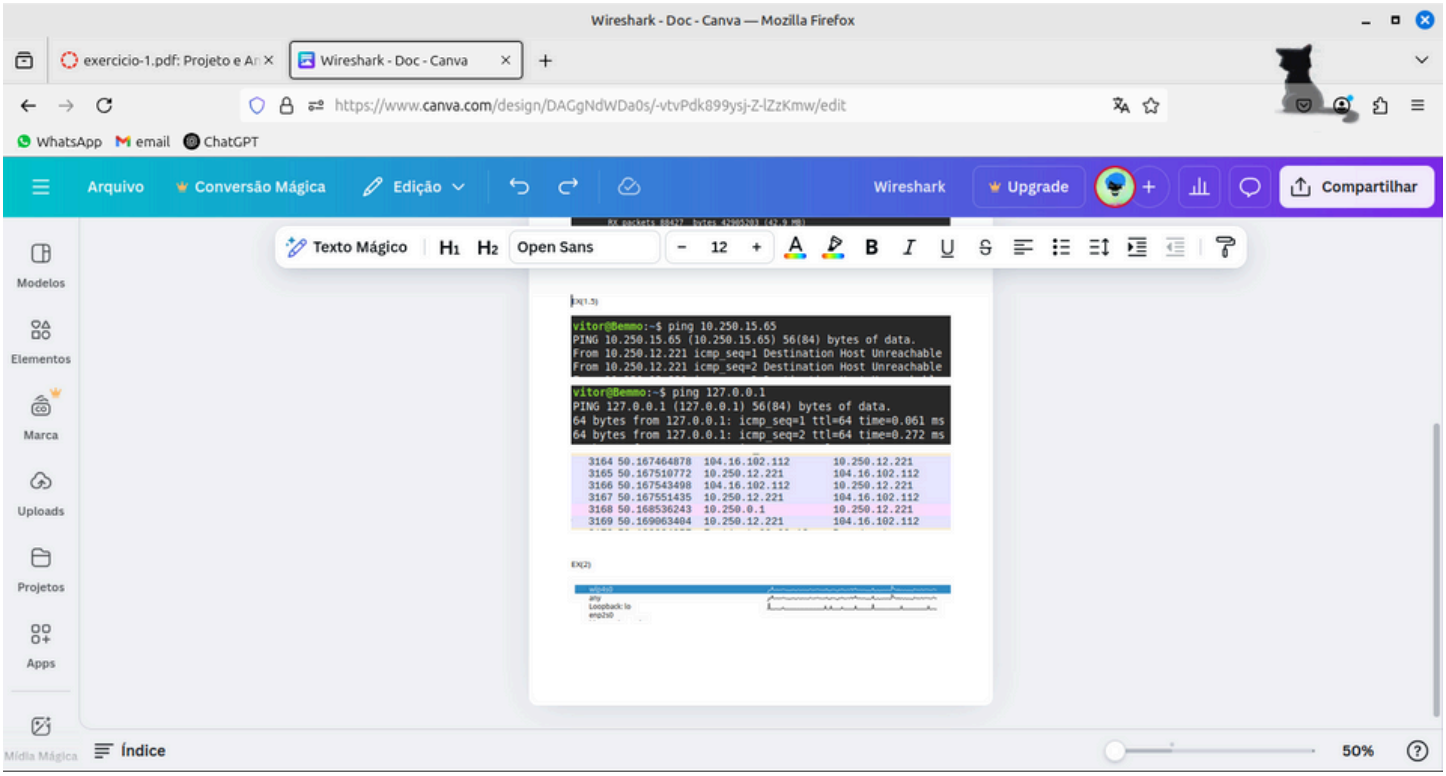


```
3164 50.167464878   104.16.102.112      10.250.12.221
3165 50.167510772   10.250.12.221       104.16.102.112
3166 50.167543498   104.16.102.112      10.250.12.221
3167 50.167551435   10.250.12.221       104.16.102.112
3168 50.168536243   10.250.0.1          10.250.12.221
3169 50.169063404   10.250.12.221       104.16.102.112
```

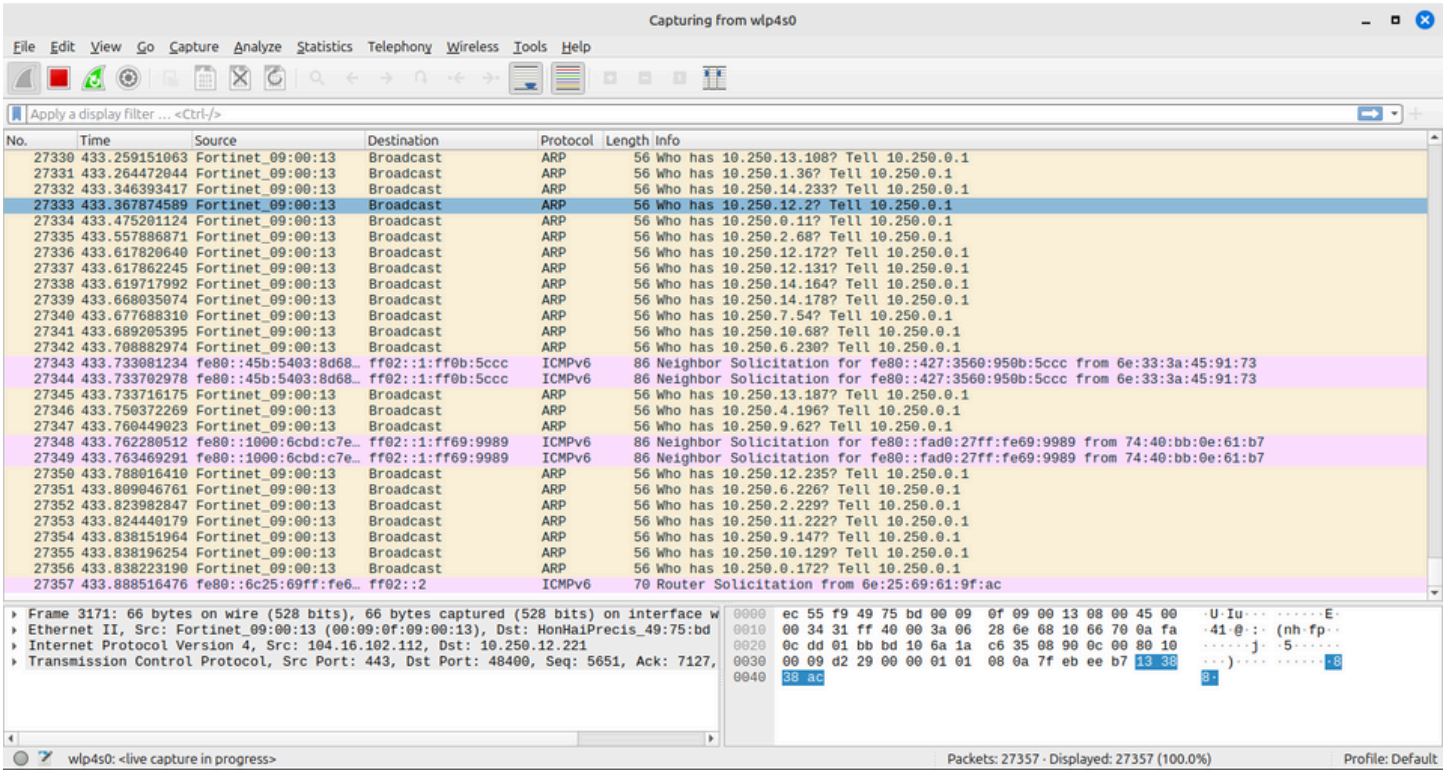
EX(2)



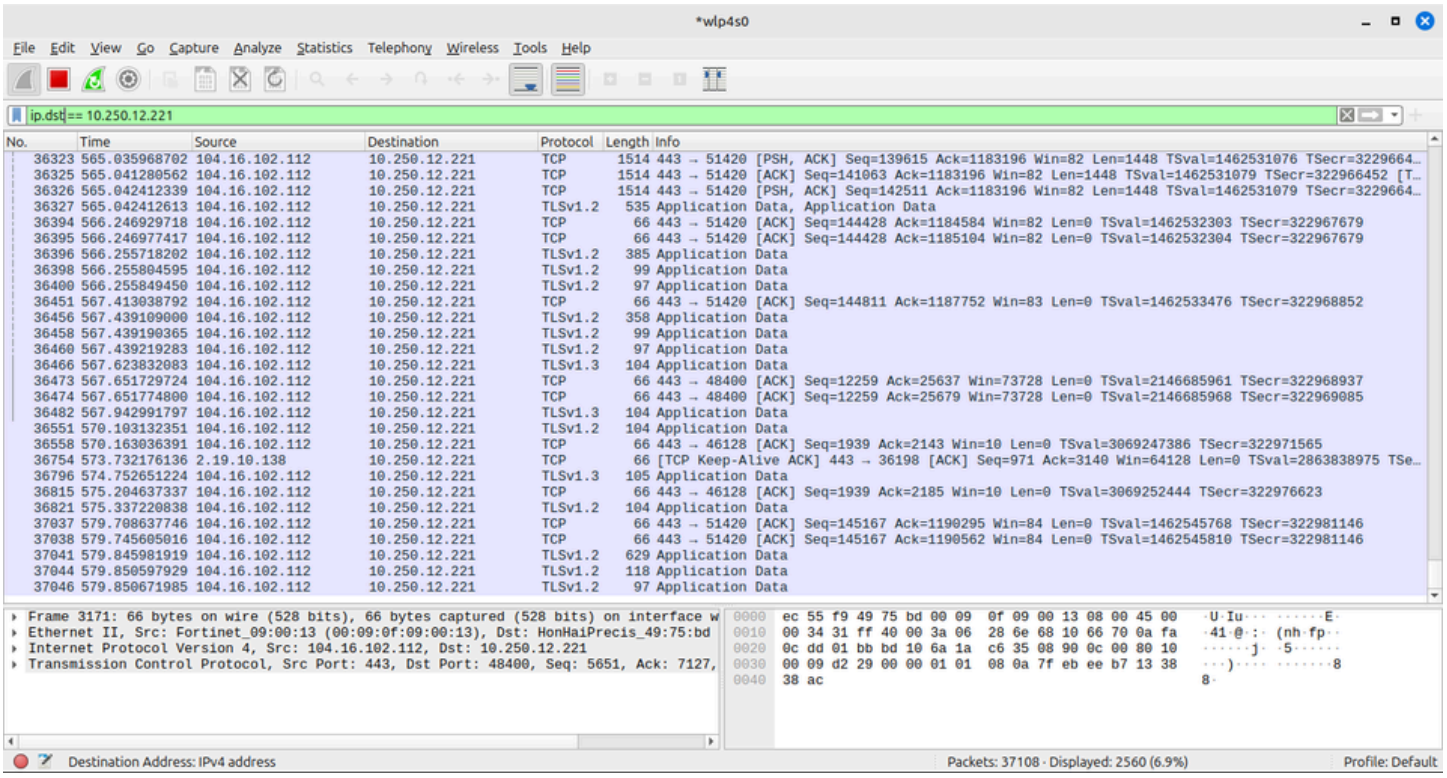
EX(3)



EX(4)

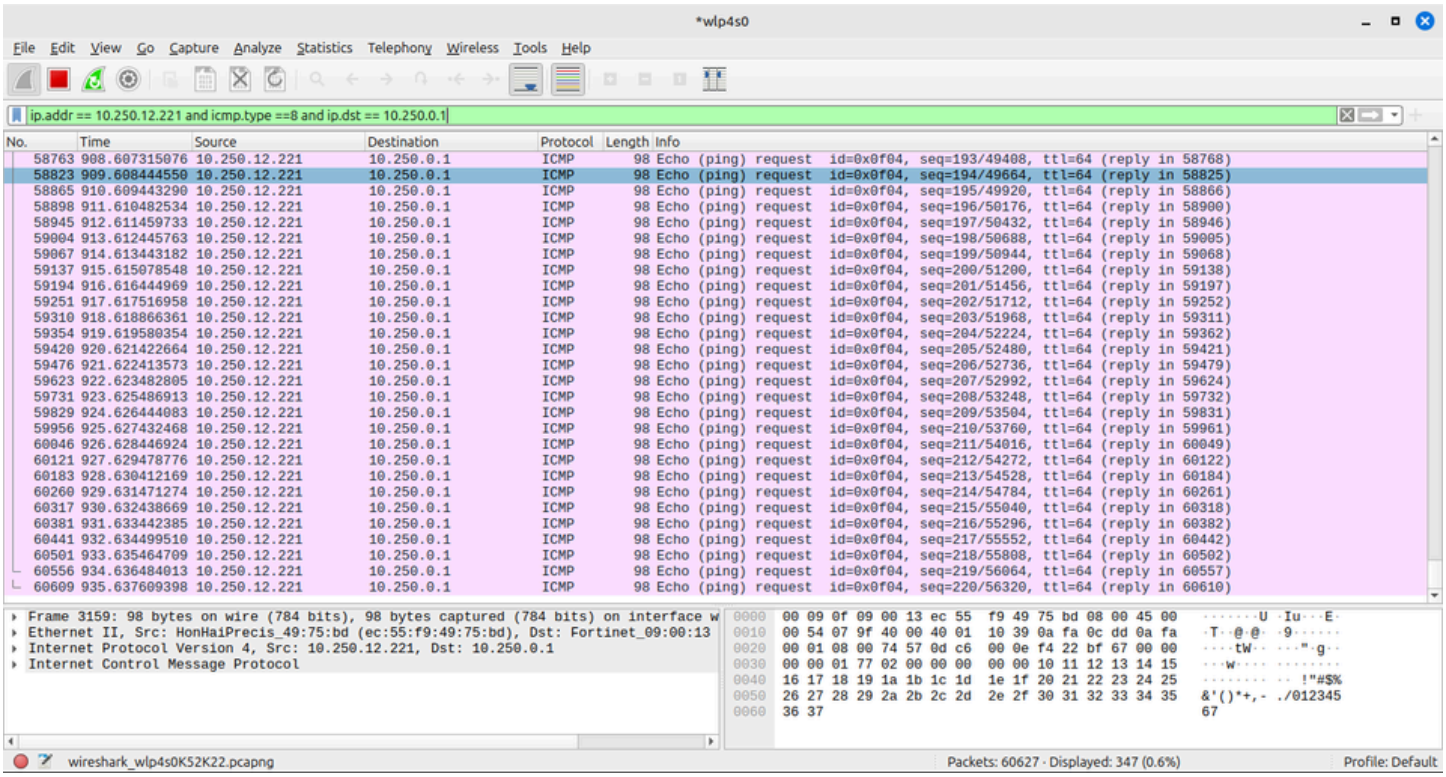

Capturing from wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
27330 433.259151063 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.13.108? Tell 10.250.0.1
27331 433.264472044 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.1.36? Tell 10.250.0.1
27332 433.346393417 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.14.233? Tell 10.250.0.1
27333 433.367874589 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.12.2? Tell 10.250.0.1
27334 433.475201124 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.0.11? Tell 10.250.0.1
27335 433.557886871 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.2.68? Tell 10.250.0.1
27336 433.617820640 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.12.172? Tell 10.250.0.1
27337 433.617862245 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.12.131? Tell 10.250.0.1
27338 433.619717992 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.14.164? Tell 10.250.0.1
27339 433.668035074 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.14.178? Tell 10.250.0.1
27340 433.677688310 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.7.54? Tell 10.250.0.1
27341 433.689205395 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.10.68? Tell 10.250.0.1
27342 433.708882974 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.6.230? Tell 10.250.0.1
27343 433.733081234 fe80::45b:5403:8d68… ff02::1:ff0b:5ccc ICMPv6 86 Neighbor Solicitation for fe80::427:3560:950b:5ccc from 6e:33:3a:45:91:73
27344 433.733702978 fe80::45b:5403:8d68… ff02::1:ff0b:5ccc ICMPv6 86 Neighbor Solicitation for fe80::427:3560:950b:5ccc from 6e:33:3a:45:91:73
27345 433.733716175 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.13.187? Tell 10.250.0.1
27346 433.750372269 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.4.196? Tell 10.250.0.1
27347 433.760449023 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.9.62? Tell 10.250.0.1
27348 433.762280512 fe80::1000:6cbd:c7e… ff02::1:ff69:9989 ICMPv6 86 Neighbor Solicitation for fe80::fad0:27ff:fe69:9989 from 74:40:bb:0e:61:b7
27349 433.763469291 fe80::1000:6cbd:c7e… ff02::1:ff69:9989 ICMPv6 86 Neighbor Solicitation for fe80::fad0:27ff:fe69:9989 from 74:40:bb:0e:61:b7
27350 433.788016410 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.12.235? Tell 10.250.0.1
27351 433.809046761 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.6.226? Tell 10.250.0.1
27352 433.823982847 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.2.229? Tell 10.250.0.1
27353 433.824440179 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.11.222? Tell 10.250.0.1
27354 433.838151964 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.9.147? Tell 10.250.0.1
27355 433.838196254 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.10.129? Tell 10.250.0.1
27356 433.838223190 Fortinet_09:00:13 Broadcast ARP 56 Who has 10.250.0.172? Tell 10.250.0.1
27357 433.888516476 fe80::6c25:69ff:fe6… ff02::2 ICMPv6 70 Router Solicitation from 6e:25:69:61:9f:ac
Frame 3171: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface w
Ethernet II, Src: Fortinet_09:00:13 (00:09:0f:09:00:13), Dst: HonHaiPrecis_49:75:bd
Internet Protocol Version 4, Src: 104.16.102.112, Dst: 10.250.12.221
Transmission Control Protocol, Src Port: 443, Dst Port: 48400, Seq: 5651, Ack: 7127,
0000 ec 55 f9 49 75 bd 00 09 0f 09 00 13 08 00 45 00
0010 00 34 31 ff 40 00 3a 06 28 6e 68 10 66 70 0a fa
0020 0c dd 01 bb bd 10 6a 1a c6 35 08 90 0c 00 80 10
0030 00 09 d2 29 00 00 01 01 08 0a 7f eb ee b7 13 38
0040 38 ac
wlp4s0: <live capture in progress>
Packets: 27357 · Displayed: 27357 (100.0%)
Profile: Default

EX(5)


*wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
ip.dst == 10.250.12.221
No. Time Source Destination Protocol Length Info
36323 565.035968702 104.16.102.112 10.250.12.221 TCP 1514 443 → 51420 [PSH, ACK] Seq=139615 Ack=1183196 Win=82 Len=1448 TSval=1462531076 TSecr=3229664…
36325 565.041280562 104.16.102.112 10.250.12.221 TCP 1514 443 → 51420 [ACK] Seq=141063 Ack=1183196 Win=82 Len=1448 TSval=1462531079 TSecr=322966452 [T…
36326 565.042412339 104.16.102.112 10.250.12.221 TCP 1514 443 → 51420 [PSH, ACK] Seq=142511 Ack=1183196 Win=82 Len=1448 TSval=1462531079 TSecr=3229664…
36327 565.042412613 104.16.102.112 10.250.12.221 TLSv1.2 535 Application Data, Application Data
36394 566.246929718 104.16.102.112 10.250.12.221 TCP 66 443 → 51420 [ACK] Seq=144428 Ack=1184584 Win=82 Len=0 TSval=1462532303 TSecr=322967679
36395 566.246977417 104.16.102.112 10.250.12.221 TCP 66 443 → 51420 [ACK] Seq=144428 Ack=1185104 Win=82 Len=0 TSval=1462532304 TSecr=322967679
36396 566.255718202 104.16.102.112 10.250.12.221 TLSv1.2 385 Application Data
36398 566.255804595 104.16.102.112 10.250.12.221 TLSv1.2 99 Application Data
36400 566.255849450 104.16.102.112 10.250.12.221 TLSv1.2 97 Application Data
36451 567.413038792 104.16.102.112 10.250.12.221 TCP 66 443 → 51420 [ACK] Seq=144811 Ack=1187752 Win=83 Len=0 TSval=1462533476 TSecr=322968852
36456 567.439109000 104.16.102.112 10.250.12.221 TLSv1.2 358 Application Data
36458 567.439190365 104.16.102.112 10.250.12.221 TLSv1.2 99 Application Data
36460 567.439219283 104.16.102.112 10.250.12.221 TLSv1.2 97 Application Data
36466 567.623832083 104.16.102.112 10.250.12.221 TLSv1.3 104 Application Data
36473 567.651729724 104.16.102.112 10.250.12.221 TCP 66 443 → 48400 [ACK] Seq=12259 Ack=25637 Win=73728 Len=0 TSval=2146685961 TSecr=322968937
36474 567.651774800 104.16.102.112 10.250.12.221 TCP 66 443 → 48400 [ACK] Seq=12259 Ack=25679 Win=73728 Len=0 TSval=2146685968 TSecr=322969085
36482 567.942991797 104.16.102.112 10.250.12.221 TLSv1.3 104 Application Data
36551 570.103132351 104.16.102.112 10.250.12.221 TLSv1.2 104 Application Data
36558 570.163036391 104.16.102.112 10.250.12.221 TCP 66 443 → 46128 [ACK] Seq=1939 Ack=2143 Win=10 Len=0 TSval=3069247386 TSecr=322971565
36754 573.732176136 2.19.10.138 10.250.12.221 TCP 66 [TCP Keep-Alive ACK] 443 → 36198 [ACK] Seq=971 Ack=3140 Win=64128 Len=0 TSval=2863838975 TSe…
36796 574.752651224 104.16.102.112 10.250.12.221 TLSv1.3 105 Application Data
36815 575.204637337 104.16.102.112 10.250.12.221 TCP 66 443 → 46128 [ACK] Seq=1939 Ack=2185 Win=10 Len=0 TSval=3069252444 TSecr=322976623
36821 575.337220838 104.16.102.112 10.250.12.221 TLSv1.2 104 Application Data
37037 579.708637746 104.16.102.112 10.250.12.221 TCP 66 443 → 51420 [ACK] Seq=145167 Ack=1190295 Win=84 Len=0 TSval=1462545768 TSecr=322981146
37038 579.745605016 104.16.102.112 10.250.12.221 TCP 66 443 → 51420 [ACK] Seq=145167 Ack=1190562 Win=84 Len=0 TSval=1462545810 TSecr=322981146
37041 579.845981919 104.16.102.112 10.250.12.221 TLSv1.2 629 Application Data
37044 579.850597929 104.16.102.112 10.250.12.221 TLSv1.2 118 Application Data
37046 579.850671985 104.16.102.112 10.250.12.221 TLSv1.2 97 Application Data
Frame 3171: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface w
Ethernet II, Src: Fortinet_09:00:13 (00:09:0f:09:00:13), Dst: HonHaiPrecis_49:75:bd
Internet Protocol Version 4, Src: 104.16.102.112, Dst: 10.250.12.221
Transmission Control Protocol, Src Port: 443, Dst Port: 48400, Seq: 5651, Ack: 7127,
0000 ec 55 f9 49 75 bd 00 09 0f 09 00 13 08 00 45 00
0010 00 34 31 ff 40 00 3a 06 28 6e 68 10 66 70 0a fa
0020 0c dd 01 bb bd 10 6a 1a c6 35 08 90 0c 00 80 10
0030 00 09 d2 29 00 00 01 01 08 0a 7f eb ee b7 13 38
0040 38 ac
Destination Address: IPv4 address
Packets: 37108 · Displayed: 2560 (6.9%)
Profile: Default

EX(6)

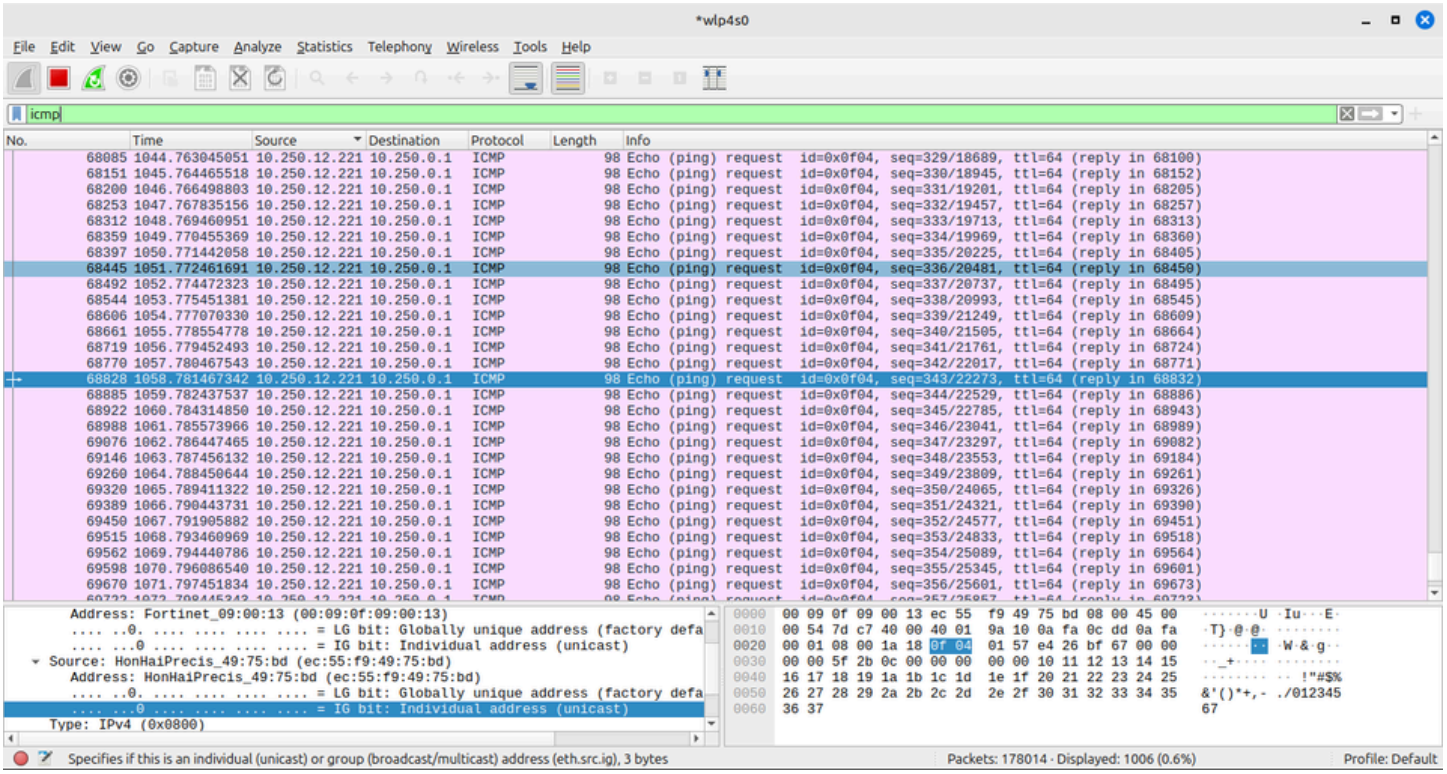
```
vitor@Bemmo:~$ ping 10.250.0.1
PING 10.250.0.1 (10.250.0.1) 56(84) bytes of data.
64 bytes from 10.250.0.1: icmp_seq=1 ttl=255 time=4.24 ms
64 bytes from 10.250.0.1: icmp_seq=2 ttl=255 time=3.87 ms
```



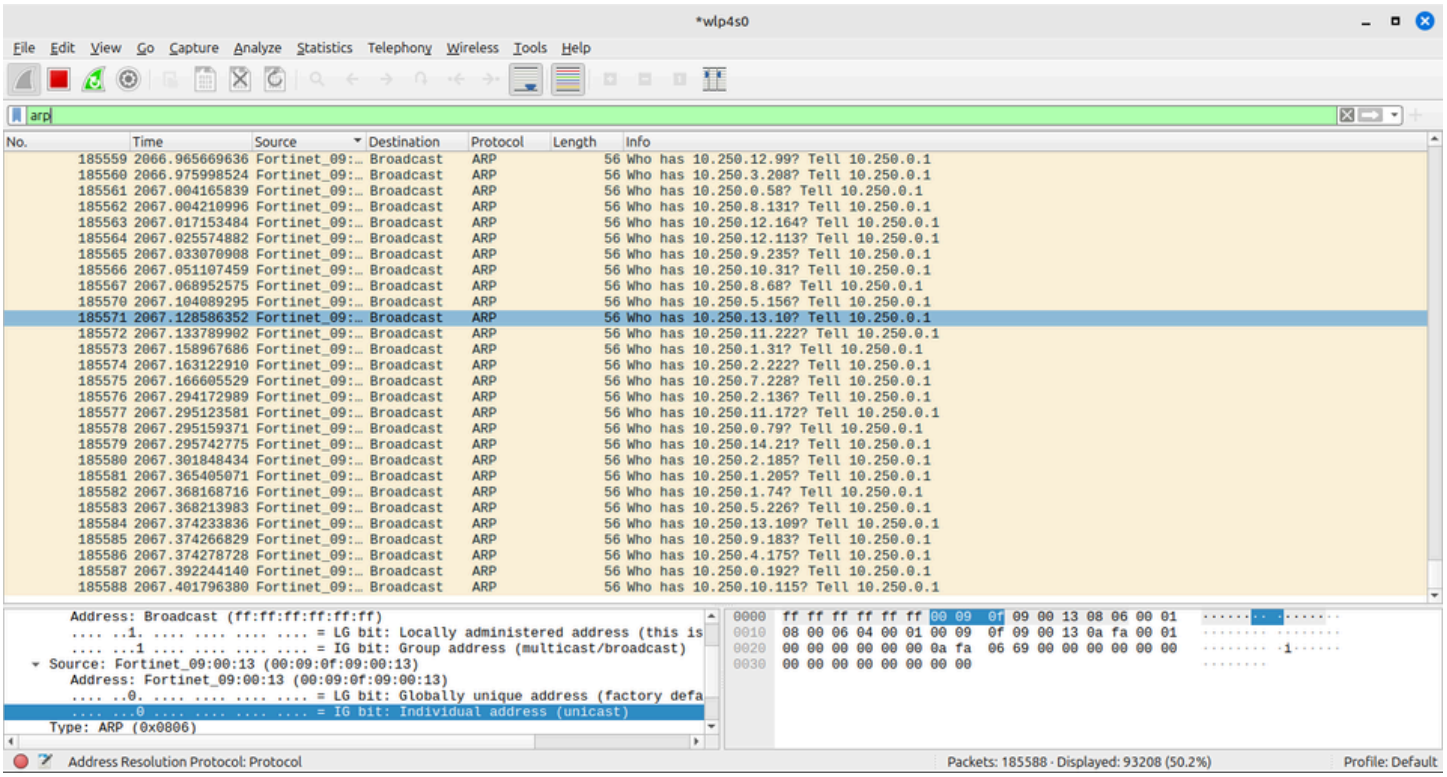
ip.addr == 10.250.12.221 and icmp.type ==8 and ip.dst == 10.250.0.1

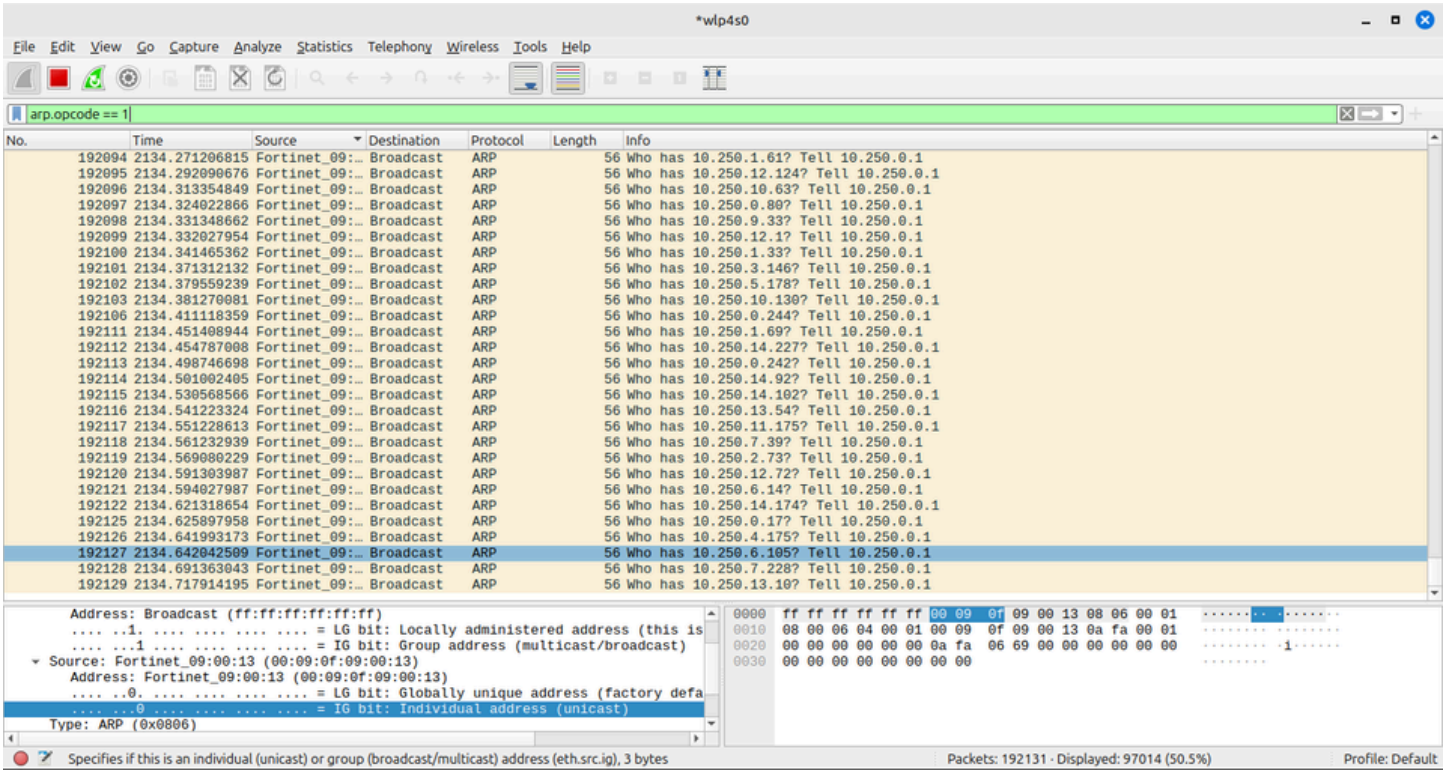
ip.addr == 10.250.12.221 and ip.dst == 10.250.0.1

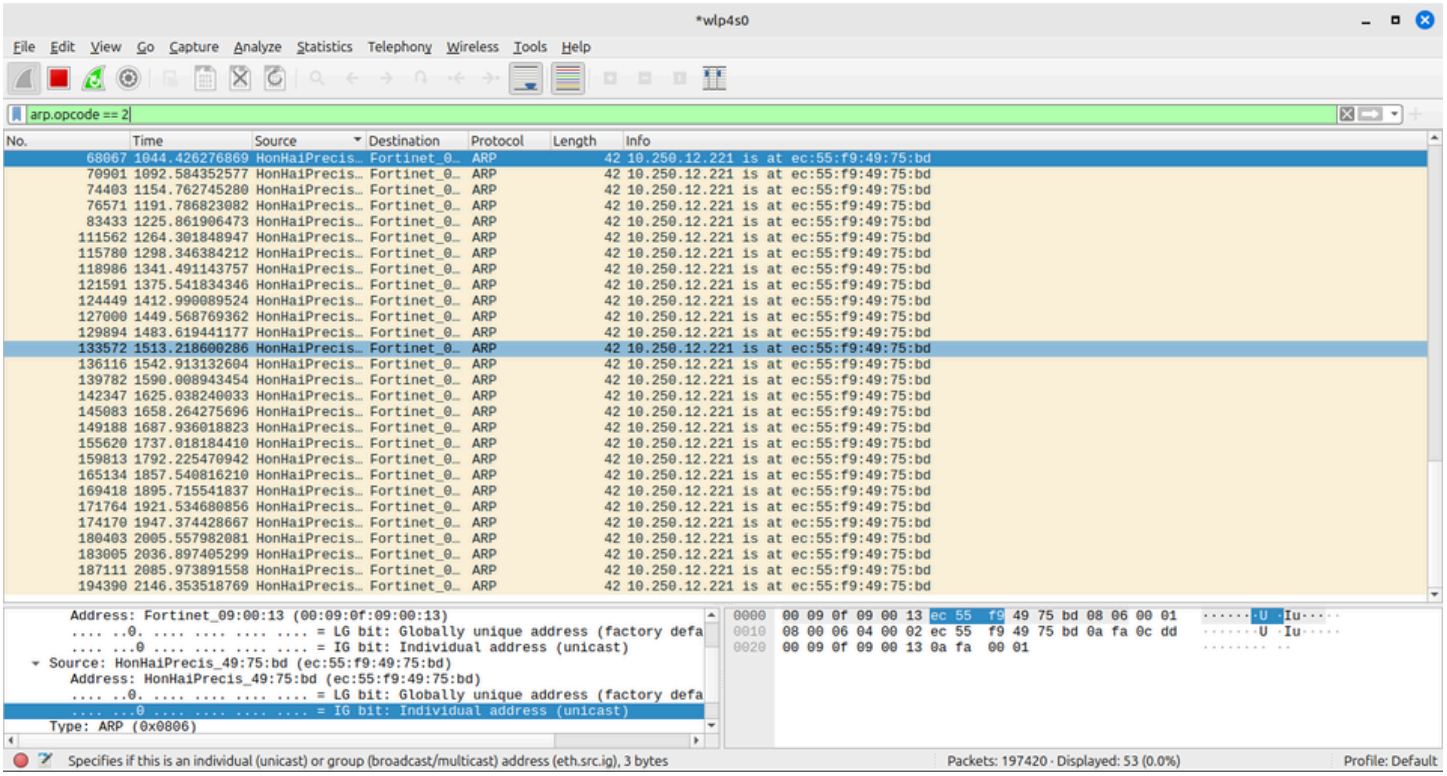
EX(7)


*wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
icmp
No. Time Source Destination Protocol Length Info
68085 1044.763045051 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=329/18689, ttl=64 (reply in 68100)
68151 1045.764465518 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=330/18945, ttl=64 (reply in 68152)
68200 1046.766498803 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=331/19201, ttl=64 (reply in 68205)
68253 1047.767835156 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=332/19457, ttl=64 (reply in 68257)
68312 1048.769460951 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=333/19713, ttl=64 (reply in 68313)
68359 1049.770455369 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=334/19969, ttl=64 (reply in 68360)
68397 1050.771442058 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=335/20225, ttl=64 (reply in 68405)
68445 1051.772461691 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=336/20481, ttl=64 (reply in 68450)
68492 1052.774472323 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=337/20737, ttl=64 (reply in 68495)
68544 1053.775451381 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=338/20993, ttl=64 (reply in 68545)
68606 1054.777070330 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=339/21249, ttl=64 (reply in 68609)
68661 1055.778554778 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=340/21505, ttl=64 (reply in 68664)
68719 1056.779452493 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=341/21761, ttl=64 (reply in 68724)
68770 1057.780467543 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=342/22017, ttl=64 (reply in 68771)
68828 1058.781467342 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=343/22273, ttl=64 (reply in 68832)
68885 1059.782437537 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=344/22529, ttl=64 (reply in 68886)
68922 1060.784314850 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=345/22785, ttl=64 (reply in 68943)
68988 1061.785573966 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=346/23041, ttl=64 (reply in 68989)
69076 1062.786447465 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=347/23297, ttl=64 (reply in 69082)
69146 1063.787456132 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=348/23553, ttl=64 (reply in 69184)
69260 1064.788450644 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=349/23809, ttl=64 (reply in 69261)
69320 1065.789411322 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=350/24065, ttl=64 (reply in 69326)
69389 1066.790443731 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=351/24321, ttl=64 (reply in 69390)
69450 1067.791905882 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=352/24577, ttl=64 (reply in 69451)
69515 1068.793460969 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=353/24833, ttl=64 (reply in 69518)
69562 1069.794440786 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=354/25089, ttl=64 (reply in 69564)
69598 1070.796086540 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=355/25345, ttl=64 (reply in 69601)
69670 1071.797451834 10.250.12.221 10.250.0.1 ICMP 98 Echo (ping) request id=0x0f04, seq=356/25601, ttl=64 (reply in 69673)
Address: Fortinet_09:00:13 (00:09:0f:09:00:13)
.... ..0. .... = LG bit: Globally unique address (factory defa
....0 .... = IG bit: Individual address (unicast)
Source: HonHaiPrecis_49:75:bd (ec:55:f9:49:75:bd)
Address: HonHaiPrecis_49:75:bd (ec:55:f9:49:75:bd)
.... ..0. .... = LG bit: Globally unique address (factory defa
....0 .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
0000 00 09 0f 09 00 13 ec 55 f9 49 75 bd 08 00 45 00
0010 00 54 7d c7 40 00 40 01 9a 10 0a fa 0c dd 0a fa
0020 00 01 08 00 1a 18 0f 04 01 57 e4 26 bf 67 00 00
0030 00 00 5f 2b 0c 00 00 00 00 00 10 11 12 13 14 15
0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25
0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35
0060 36 37
Specifies if this is an individual (unicast) or group (broadcast/multicast) address (eth.src.ig), 3 bytes
Packets: 178014 · Displayed: 1006 (0.6%)
Profile: Default

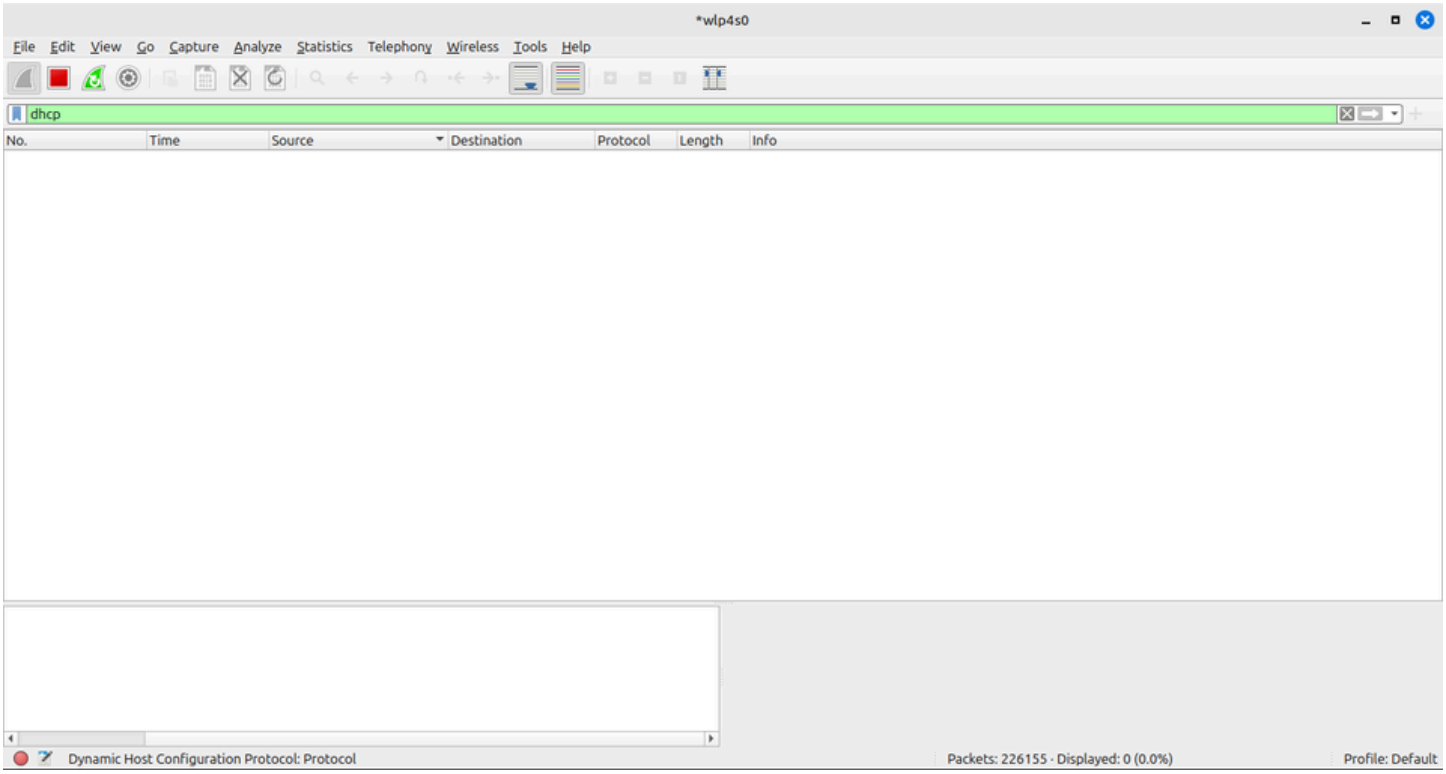
EX(8)


*wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp
No. Time Source Destination Protocol Length Info
185559 2066.965669636 Fortinet_09:... Broadcast ARP 56 Who has 10.250.12.99? Tell 10.250.0.1
185560 2066.975998524 Fortinet_09:... Broadcast ARP 56 Who has 10.250.3.208? Tell 10.250.0.1
185561 2067.004165839 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.58? Tell 10.250.0.1
185562 2067.004210996 Fortinet_09:... Broadcast ARP 56 Who has 10.250.8.131? Tell 10.250.0.1
185563 2067.017153484 Fortinet_09:... Broadcast ARP 56 Who has 10.250.12.164? Tell 10.250.0.1
185564 2067.025574882 Fortinet_09:... Broadcast ARP 56 Who has 10.250.12.113? Tell 10.250.0.1
185565 2067.033070908 Fortinet_09:... Broadcast ARP 56 Who has 10.250.9.235? Tell 10.250.0.1
185566 2067.051107459 Fortinet_09:... Broadcast ARP 56 Who has 10.250.10.31? Tell 10.250.0.1
185567 2067.068952575 Fortinet_09:... Broadcast ARP 56 Who has 10.250.8.68? Tell 10.250.0.1
185570 2067.104089295 Fortinet_09:... Broadcast ARP 56 Who has 10.250.5.156? Tell 10.250.0.1
185571 2067.128586352 Fortinet_09:... Broadcast ARP 56 Who has 10.250.13.10? Tell 10.250.0.1
185572 2067.133789902 Fortinet_09:... Broadcast ARP 56 Who has 10.250.11.222? Tell 10.250.0.1
185573 2067.158967686 Fortinet_09:... Broadcast ARP 56 Who has 10.250.1.31? Tell 10.250.0.1
185574 2067.163122910 Fortinet_09:... Broadcast ARP 56 Who has 10.250.2.222? Tell 10.250.0.1
185575 2067.166605529 Fortinet_09:... Broadcast ARP 56 Who has 10.250.7.228? Tell 10.250.0.1
185576 2067.294172989 Fortinet_09:... Broadcast ARP 56 Who has 10.250.2.136? Tell 10.250.0.1
185577 2067.295123581 Fortinet_09:... Broadcast ARP 56 Who has 10.250.11.172? Tell 10.250.0.1
185578 2067.295159371 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.79? Tell 10.250.0.1
185579 2067.295742775 Fortinet_09:... Broadcast ARP 56 Who has 10.250.14.21? Tell 10.250.0.1
185580 2067.301848434 Fortinet_09:... Broadcast ARP 56 Who has 10.250.2.185? Tell 10.250.0.1
185581 2067.365405071 Fortinet_09:... Broadcast ARP 56 Who has 10.250.1.205? Tell 10.250.0.1
185582 2067.368168716 Fortinet_09:... Broadcast ARP 56 Who has 10.250.1.74? Tell 10.250.0.1
185583 2067.368213983 Fortinet_09:... Broadcast ARP 56 Who has 10.250.5.226? Tell 10.250.0.1
185584 2067.374233836 Fortinet_09:... Broadcast ARP 56 Who has 10.250.13.109? Tell 10.250.0.1
185585 2067.374266829 Fortinet_09:... Broadcast ARP 56 Who has 10.250.9.183? Tell 10.250.0.1
185586 2067.374278728 Fortinet_09:... Broadcast ARP 56 Who has 10.250.4.175? Tell 10.250.0.1
185587 2067.392244140 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.192? Tell 10.250.0.1
185588 2067.401796380 Fortinet_09:... Broadcast ARP 56 Who has 10.250.10.115? Tell 10.250.0.1
Address: Broadcast (ff:ff:ff:ff:ff:ff)
.... ..1. .... = LG bit: Locally administered address (this is
....1 .... = IG bit: Group address (multicast/broadcast)
Source: Fortinet_09:00:13 (00:09:0f:09:00:13)
Address: Fortinet_09:00:13 (00:09:0f:09:00:13)
.... ..0. .... = LG bit: Globally unique address (factory defa
....0 .... = IG bit: Individual address (unicast)
Type: ARP (0x0806)
0000 ff ff ff ff ff ff 00 09 0f 09 00 13 08 06 00 01
0010 08 00 06 04 00 01 00 09 0f 09 00 13 0a fa 00 01
0020 00 00 00 00 00 00 0a fa 06 69 00 00 00 00 00 00
0030 00 00 00 00 00 00 00 00
Address Resolution Protocol: Protocol
Packets: 185588 · Displayed: 93208 (50.2%)
Profile: Default


*wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp.opcode == 1
No. Time Source Destination Protocol Length Info
192094 2134.271206815 Fortinet_09:... Broadcast ARP 56 Who has 10.250.1.61? Tell 10.250.0.1
192095 2134.292090676 Fortinet_09:... Broadcast ARP 56 Who has 10.250.12.124? Tell 10.250.0.1
192096 2134.313354849 Fortinet_09:... Broadcast ARP 56 Who has 10.250.10.63? Tell 10.250.0.1
192097 2134.324022866 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.80? Tell 10.250.0.1
192098 2134.331348662 Fortinet_09:... Broadcast ARP 56 Who has 10.250.9.33? Tell 10.250.0.1
192099 2134.332027954 Fortinet_09:... Broadcast ARP 56 Who has 10.250.12.1? Tell 10.250.0.1
192100 2134.341465362 Fortinet_09:... Broadcast ARP 56 Who has 10.250.1.33? Tell 10.250.0.1
192101 2134.371312132 Fortinet_09:... Broadcast ARP 56 Who has 10.250.3.146? Tell 10.250.0.1
192102 2134.379559239 Fortinet_09:... Broadcast ARP 56 Who has 10.250.5.178? Tell 10.250.0.1
192103 2134.381270081 Fortinet_09:... Broadcast ARP 56 Who has 10.250.10.130? Tell 10.250.0.1
192106 2134.411118359 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.244? Tell 10.250.0.1
192111 2134.451408944 Fortinet_09:... Broadcast ARP 56 Who has 10.250.1.69? Tell 10.250.0.1
192112 2134.454787008 Fortinet_09:... Broadcast ARP 56 Who has 10.250.14.227? Tell 10.250.0.1
192113 2134.498746698 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.242? Tell 10.250.0.1
192114 2134.501002405 Fortinet_09:... Broadcast ARP 56 Who has 10.250.14.92? Tell 10.250.0.1
192115 2134.530568566 Fortinet_09:... Broadcast ARP 56 Who has 10.250.14.102? Tell 10.250.0.1
192116 2134.541223324 Fortinet_09:... Broadcast ARP 56 Who has 10.250.13.54? Tell 10.250.0.1
192117 2134.551228613 Fortinet_09:... Broadcast ARP 56 Who has 10.250.11.175? Tell 10.250.0.1
192118 2134.561232939 Fortinet_09:... Broadcast ARP 56 Who has 10.250.7.39? Tell 10.250.0.1
192119 2134.569080229 Fortinet_09:... Broadcast ARP 56 Who has 10.250.2.73? Tell 10.250.0.1
192120 2134.591303987 Fortinet_09:... Broadcast ARP 56 Who has 10.250.12.72? Tell 10.250.0.1
192121 2134.594027987 Fortinet_09:... Broadcast ARP 56 Who has 10.250.6.14? Tell 10.250.0.1
192122 2134.621318654 Fortinet_09:... Broadcast ARP 56 Who has 10.250.14.174? Tell 10.250.0.1
192125 2134.625897958 Fortinet_09:... Broadcast ARP 56 Who has 10.250.0.17? Tell 10.250.0.1
192126 2134.641993173 Fortinet_09:... Broadcast ARP 56 Who has 10.250.4.175? Tell 10.250.0.1
192127 2134.642042509 Fortinet_09:... Broadcast ARP 56 Who has 10.250.6.105? Tell 10.250.0.1
192128 2134.691363043 Fortinet_09:... Broadcast ARP 56 Who has 10.250.7.228? Tell 10.250.0.1
192129 2134.717914195 Fortinet_09:... Broadcast ARP 56 Who has 10.250.13.10? Tell 10.250.0.1
Address: Broadcast (ff:ff:ff:ff:ff:ff)
.... ..1. .... = LG bit: Locally administered address (this is
....1 .... = IG bit: Group address (multicast/broadcast)
Source: Fortinet_09:00:13 (00:09:0f:09:00:13)
Address: Fortinet_09:00:13 (00:09:0f:09:00:13)
.... ..0. .... = LG bit: Globally unique address (factory defa
....0 .... = IG bit: Individual address (unicast)
Type: ARP (0x0806)
0000 ff ff ff ff ff ff 00 09 0f 09 00 13 08 06 00 01
0010 08 00 06 04 00 01 00 09 0f 09 00 13 0a fa 00 01
0020 00 00 00 00 00 00 0a fa 06 69 00 00 00 00 00 00
0030 00 00 00 00 00 00 00 00
Specifies if this is an individual (unicast) or group (broadcast/multicast) address (eth.src.ig), 3 bytes
Packets: 192131 · Displayed: 97014 (50.5%)
Profile: Default


*wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp.opcode == 2
No. Time Source Destination Protocol Length Info
68067 1044.426276869 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
70901 1092.584352577 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
74403 1154.762745280 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
76571 1191.786823082 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
83433 1225.861906473 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
111562 1264.301848947 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
115780 1298.346384212 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
118986 1341.491143757 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
121591 1375.541834346 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
124449 1412.990089524 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
127000 1449.568769362 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
129894 1483.619441177 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
133572 1513.218600286 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
136116 1542.913132604 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
139782 1590.008943454 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
142347 1625.038240033 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
145083 1658.264275696 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
149188 1687.936018823 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
155620 1737.018184410 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
159813 1792.225470942 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
165134 1857.540816210 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
169418 1895.715541837 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
171764 1921.534680856 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
174170 1947.374428667 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
180403 2005.557982081 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
183005 2036.897405299 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
187111 2085.973891558 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
194390 2146.353518769 HonHaiPrecis... Fortinet_0... ARP 42 10.250.12.221 is at ec:55:f9:49:75:bd
Address: Fortinet_09:00:13 (00:09:0f:09:00:13)
.... ..0. .... = LG bit: Globally unique address (factory defa
....0 .... = IG bit: Individual address (unicast)
Source: HonHaiPrecis_49:75:bd (ec:55:f9:49:75:bd)
Address: HonHaiPrecis_49:75:bd (ec:55:f9:49:75:bd)
.... ..0. .... = LG bit: Globally unique address (factory defa
....0 .... = IG bit: Individual address (unicast)
Type: ARP (0x0806)
0000 00 09 0f 09 00 13 ec 55 f9 49 75 bd 08 06 00 01
0010 08 00 06 04 00 02 ec 55 f9 49 75 bd 0a fa 0c dd
0020 00 09 0f 09 00 13 0a fa 00 01
Specifies if this is an individual (unicast) or group (broadcast/multicast) address (eth.src.ig), 3 bytes
Packets: 197420 · Displayed: 53 (0.0%)
Profile: Default

EX(9)


*wlp4s0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
dhcp
No. Time Source Destination Protocol Length Info
Dynamic Host Configuration Protocol: Protocol
Packets: 226155 · Displayed: 0 (0.0%)
Profile: Default