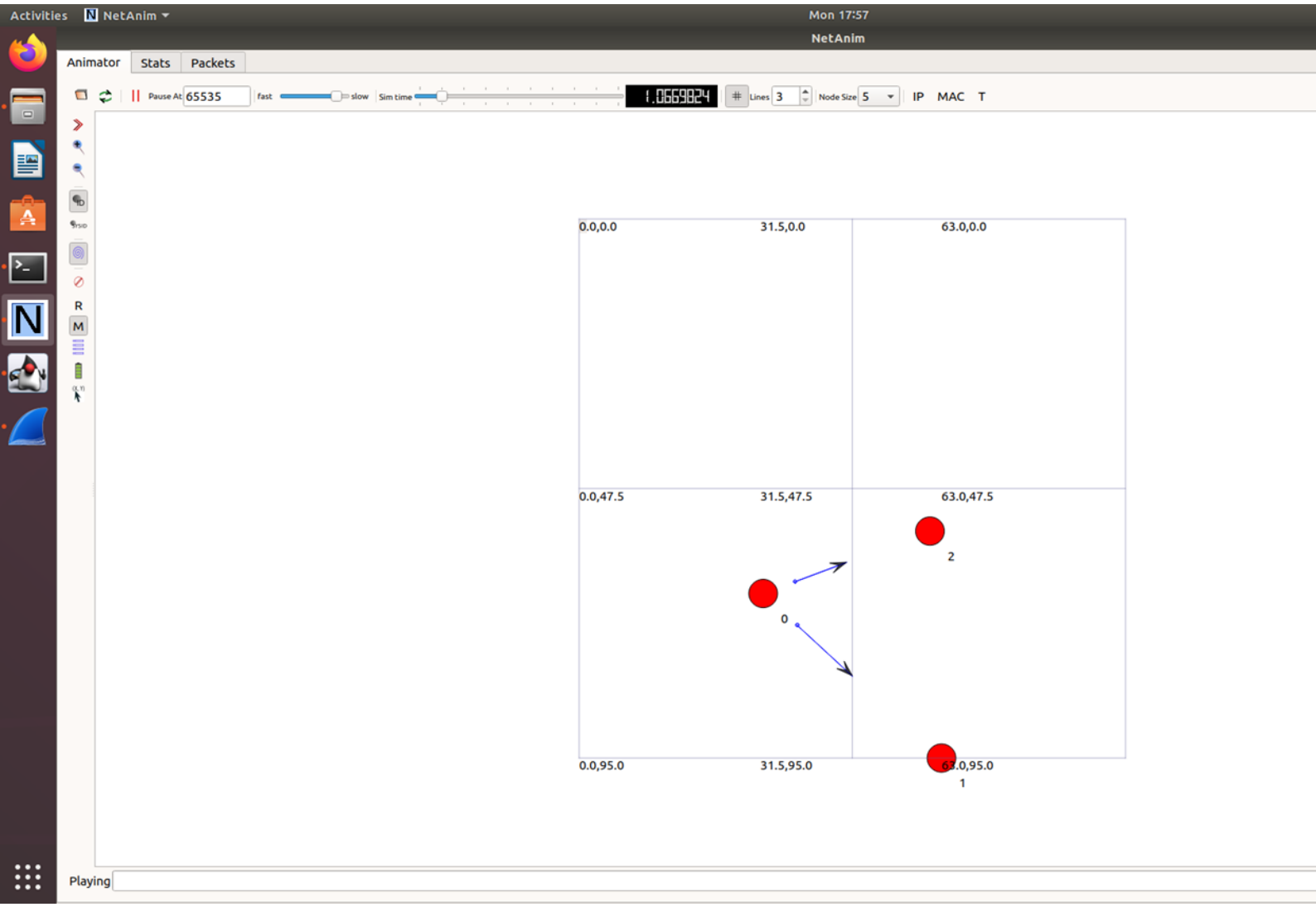
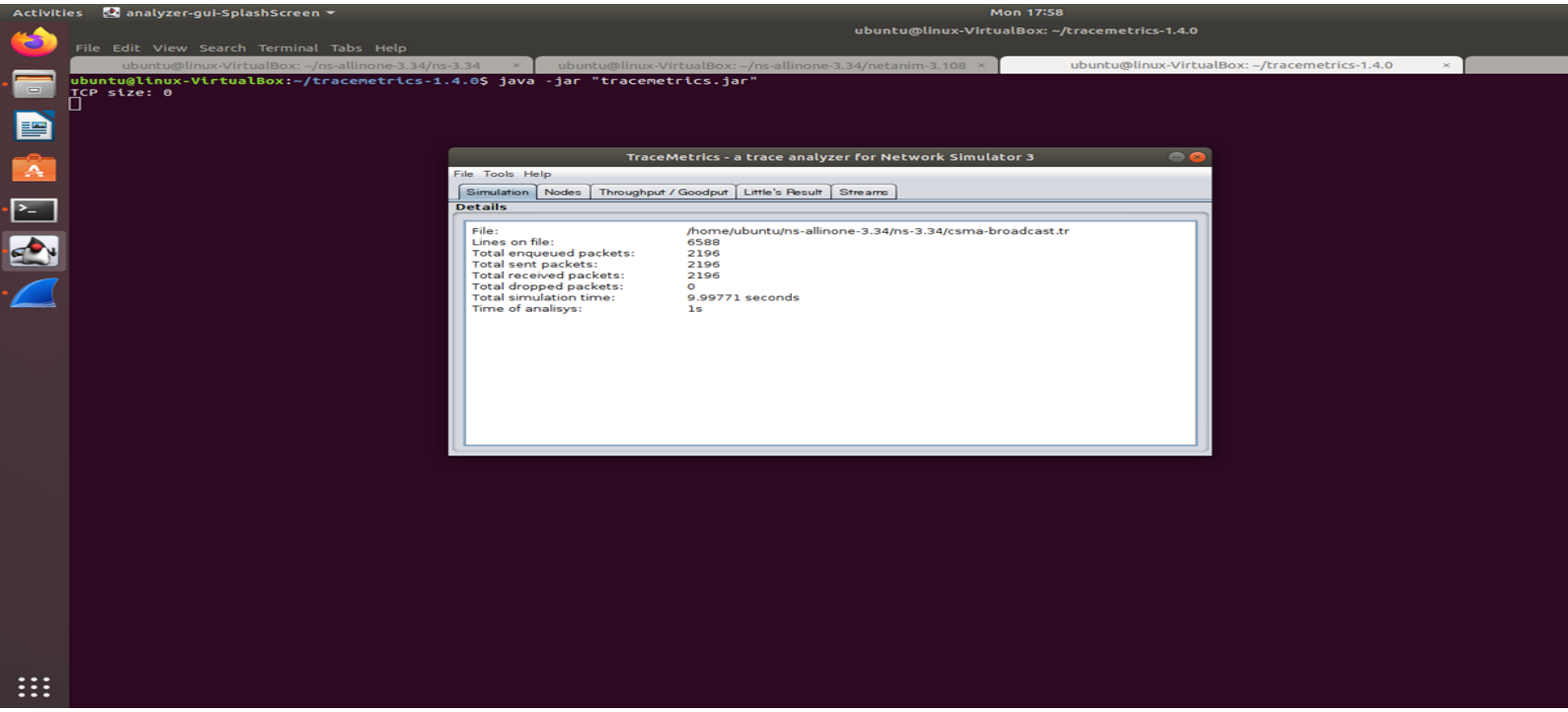
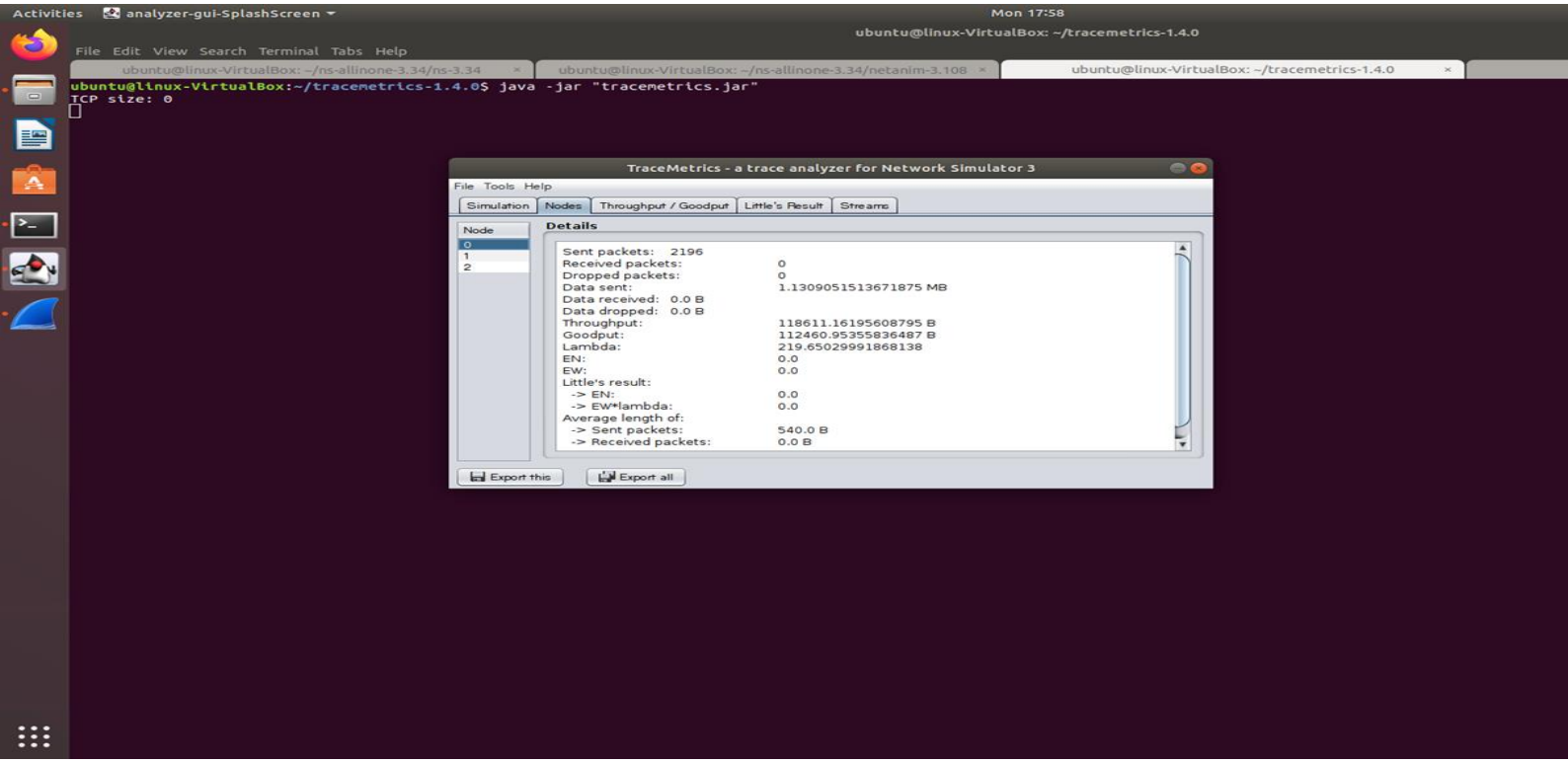
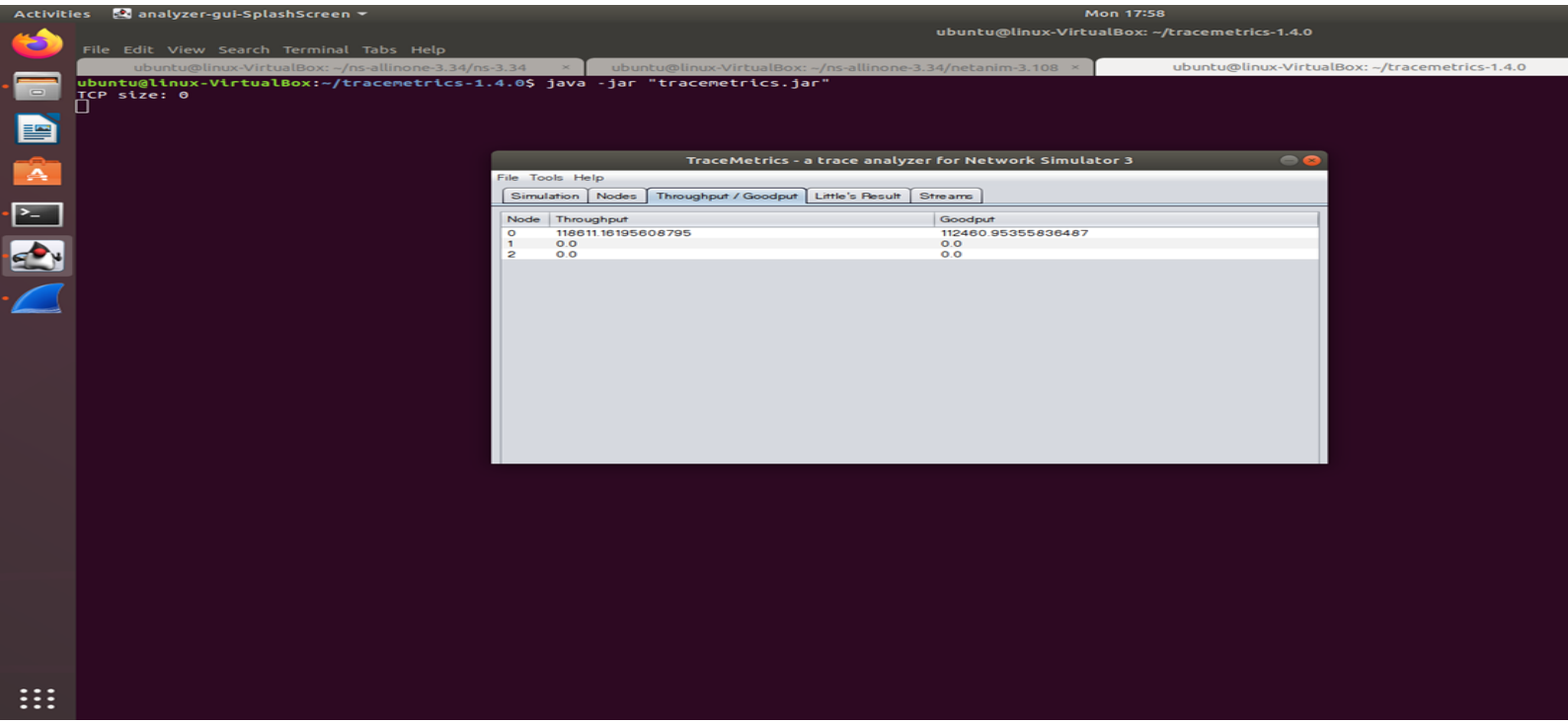
NetAnim OutPut:

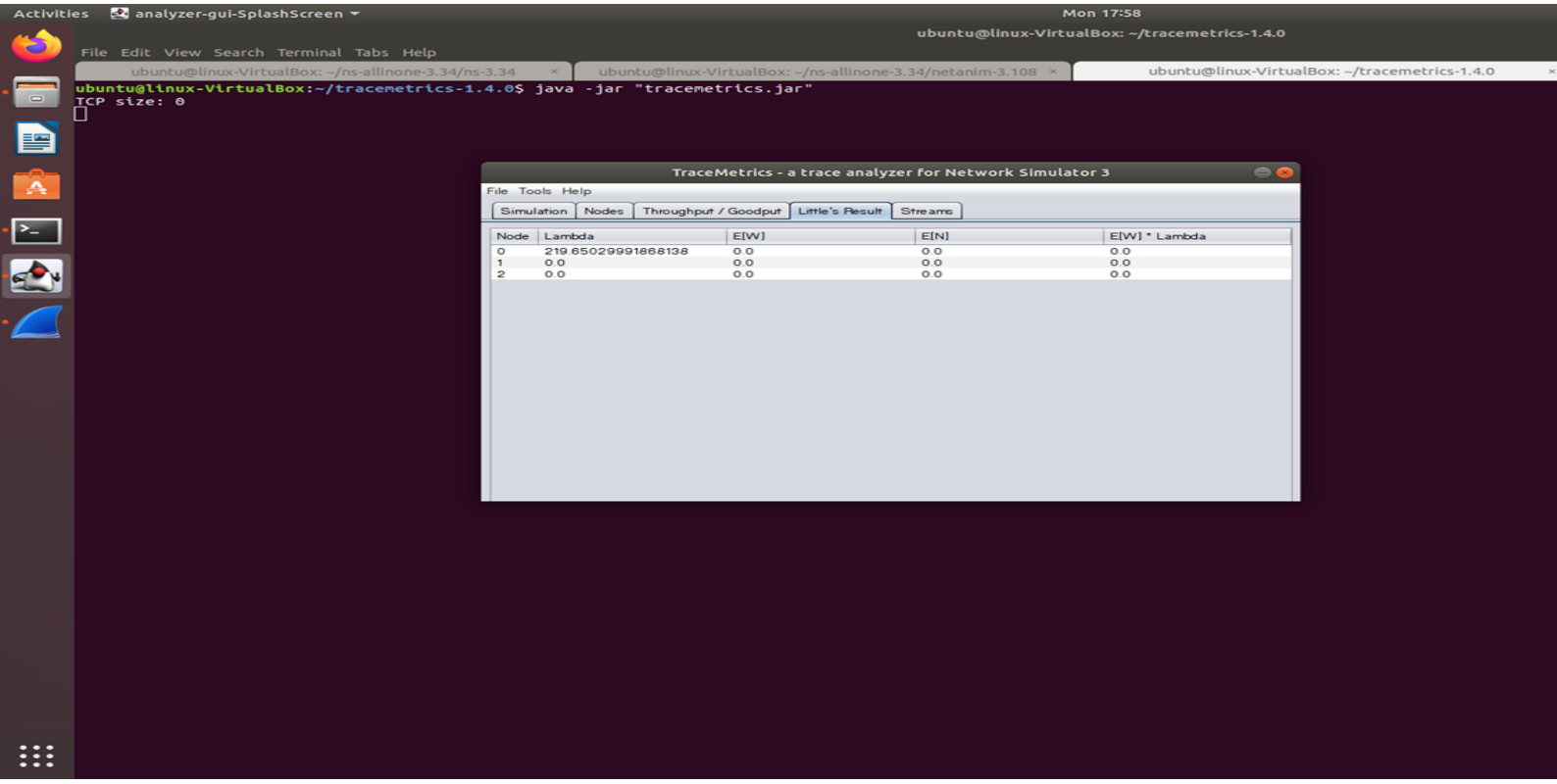


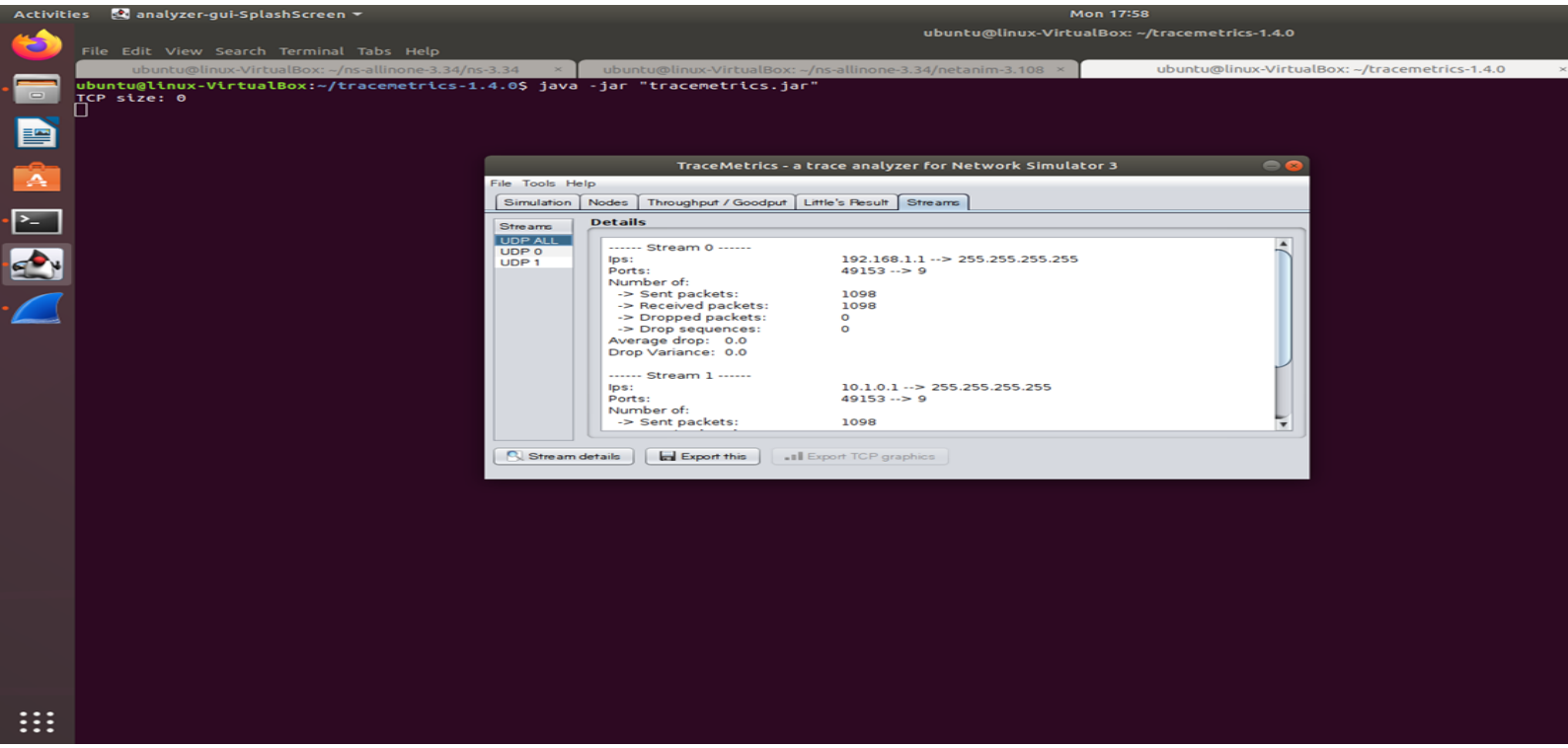
Tracemetric OutPut:



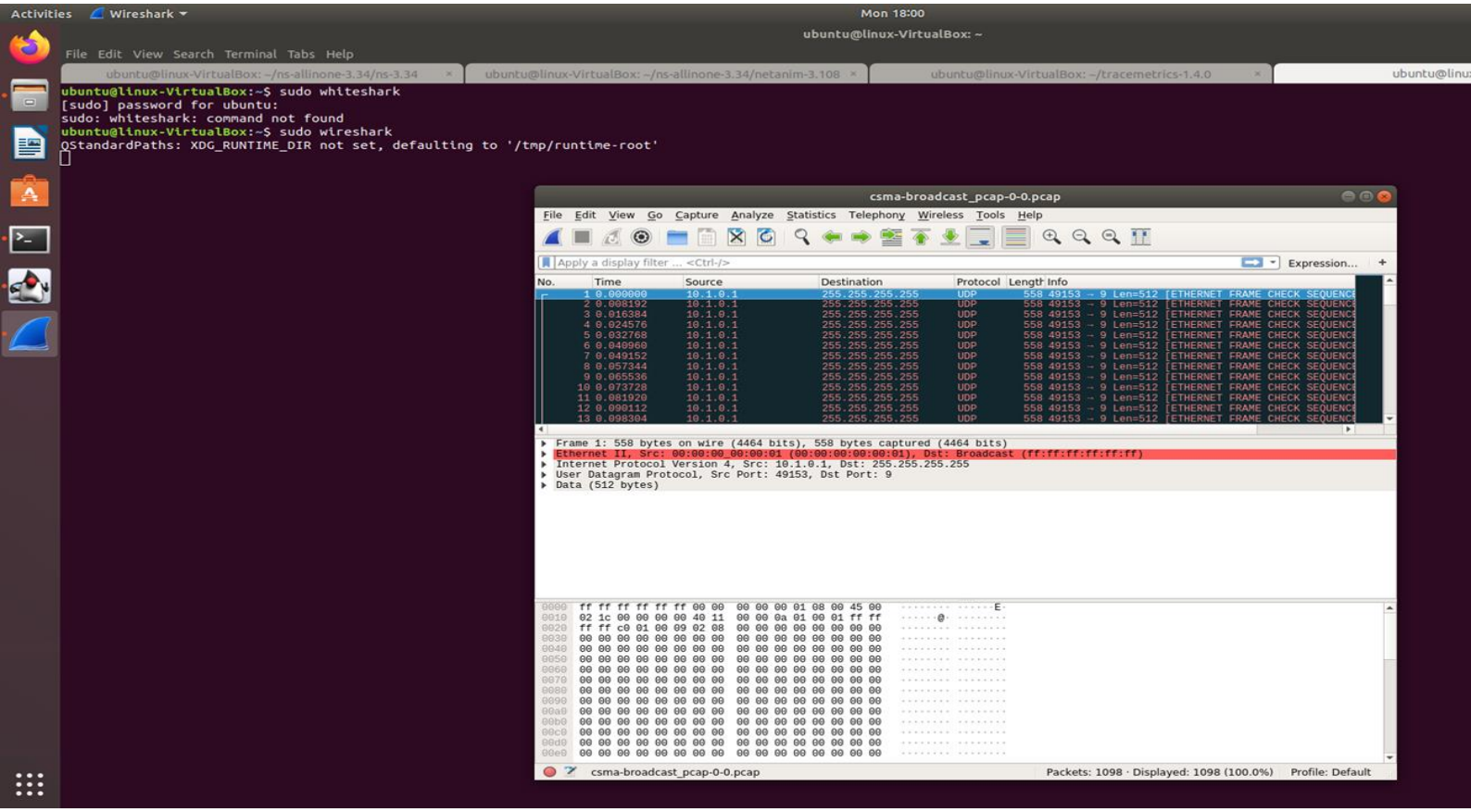


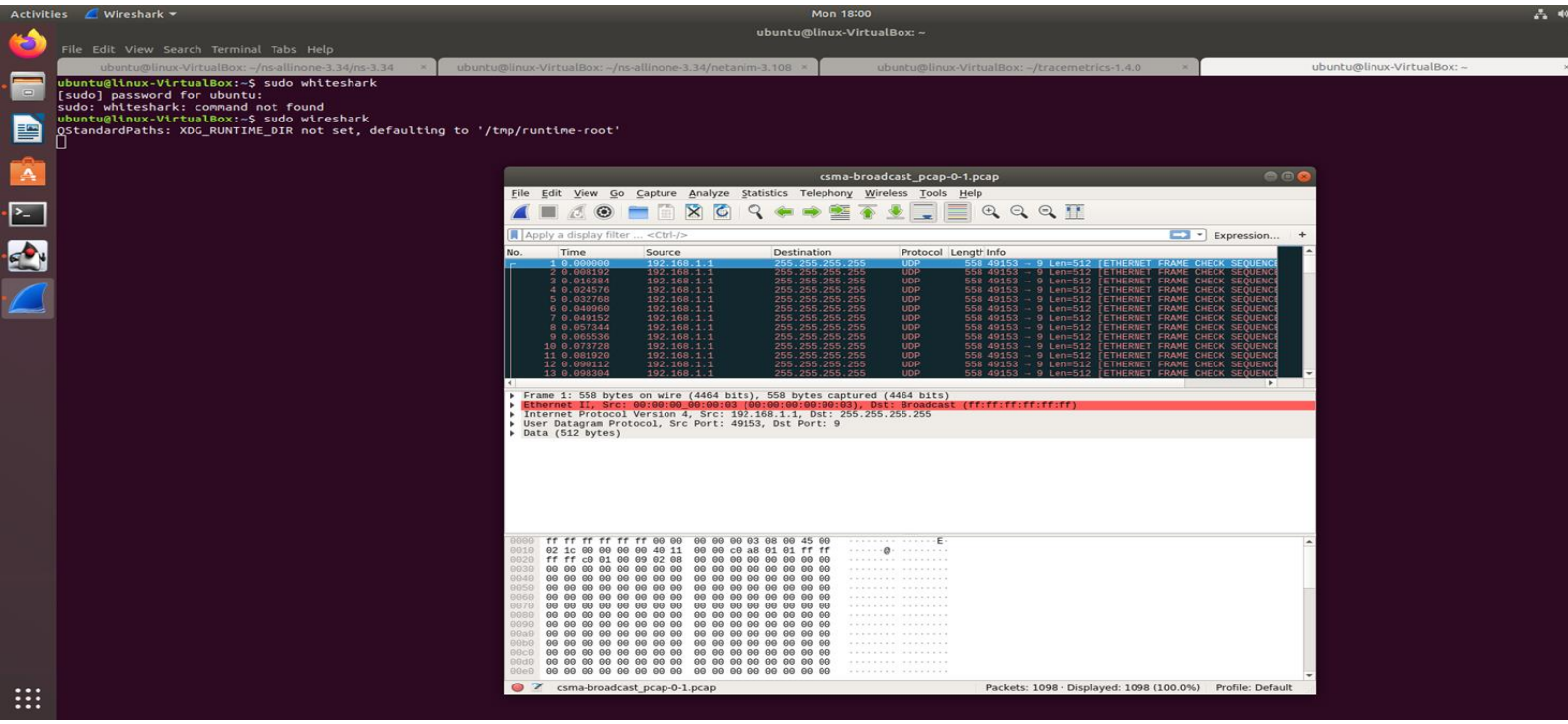

Activities
analyzer-gui-SplashScreen
Mon 17:58
ubuntu@linux-VirtualBox: ~/tracemetrics-1.4.0
File Edit View Search Terminal Tabs Help
ubuntu@linux-VirtualBox: ~/ns-allinone-3.34/ns-3.34
ubuntu@linux-VirtualBox: ~/ns-allinone-3.34/netanim-3.108
ubuntu@linux-VirtualBox: ~/tracemetrics-1.4.0
ubuntu@linux-VirtualBox:~/tracemetrics-1.4.0$ java -jar "tracemetrics.jar"
TCP size: 0
TraceMetrics - a trace analyzer for Network Simulator 3
File Tools Help
Simulation
Nodes
Throughput / Goodput
Little's Result
Streams
Node
Throughput
Goodput
0
118611.16195608795
112460.95355836487
1
0.0
0.0
2
0.0
0.0

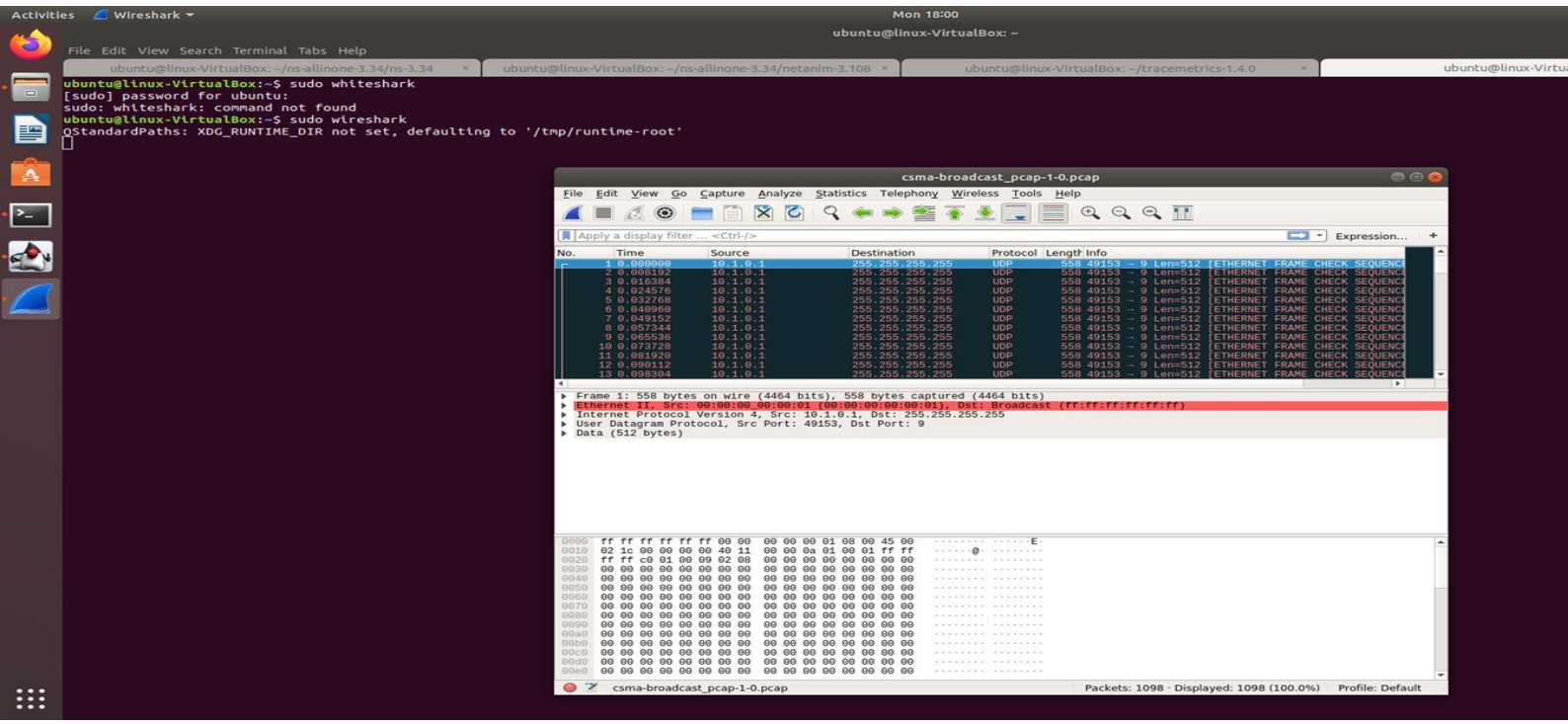

Activities
analyzer-gui-SplashScreen
Mon 17:58
ubuntu@linux-VirtualBox: ~/tracemetrics-1.4.0
File Edit View Search Terminal Tabs Help
ubuntu@linux-VirtualBox: ~/ns-allinone-3.34/ns-3.34
ubuntu@linux-VirtualBox: ~/ns-allinone-3.34/netanim-3.108
ubuntu@linux-VirtualBox: ~/tracemetrics-1.4.0
ubuntu@linux-VirtualBox:~/tracemetrics-1.4.0$ java -jar "tracemetrics.jar"
TCP size: 0
TraceMetrics - a trace analyzer for Network Simulator 3
File Tools Help
Simulation
Nodes
Throughput / Goodput
Little's Result
Streams
Node
Lambda
E[W]
E[N]
E[W] * Lambda
0
219.65029991868138
0.0
0.0
0.0
1
0.0
0.0
0.0
0.0
2
0.0
0.0
0.0
0.0

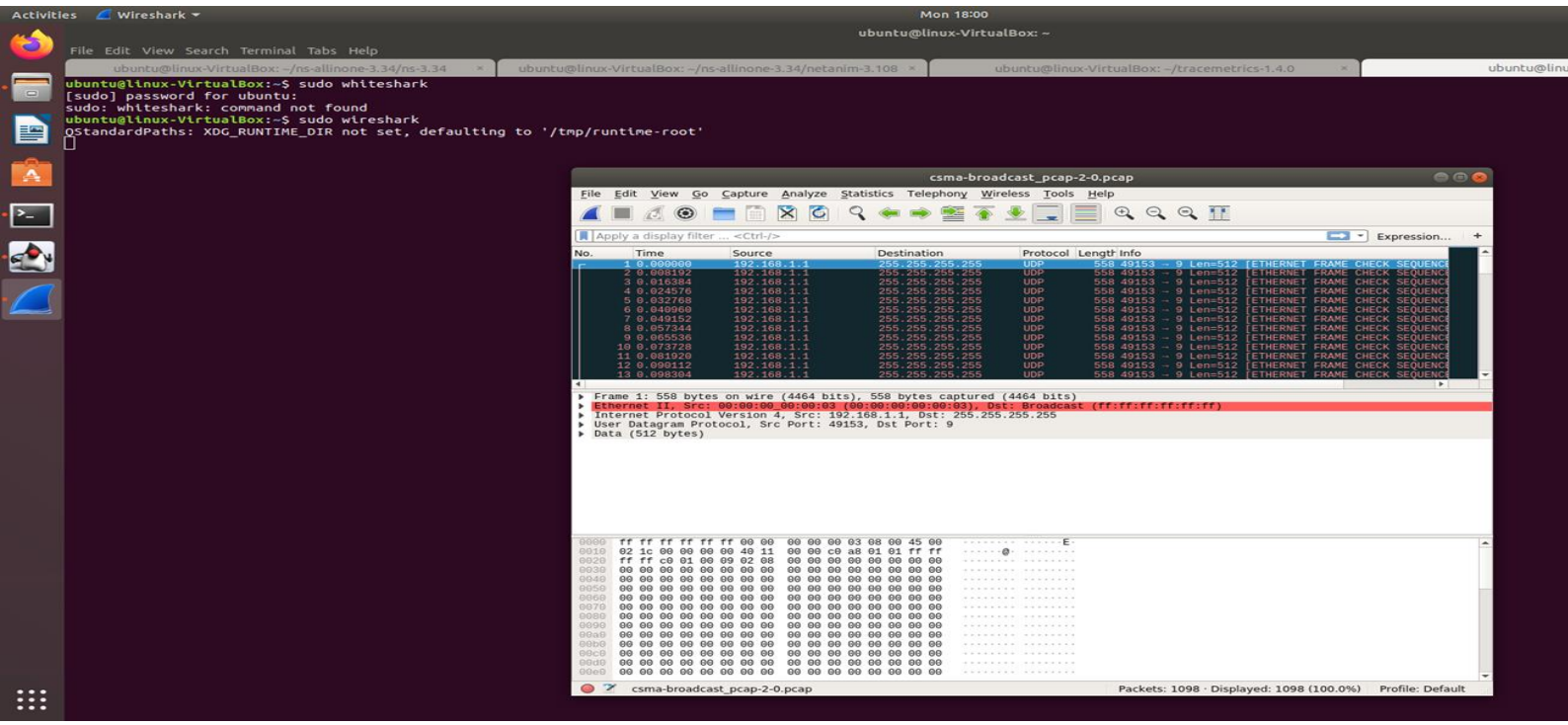


WireShark OutPut:




Activities
Wireshark
Mon 18:00
ubuntu@linux-VirtualBox: ~
File Edit View Search Terminal Tabs Help
ubuntu@linux-VirtualBox:~$ sudo whiteshark
[sudo] password for ubuntu:
sudo: whiteshark: command not found
ubuntu@linux-VirtualBox:~$ sudo wireshark
QStandardPaths: XDG_RUNTIME_DIR not set, defaulting to '/tmp/runtime-root'
csma-broadcast_pcap-0-1.pcap
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
No. Time Source Destination Protocol Length Info
1 0.000000 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
2 0.008192 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
3 0.016384 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
4 0.024576 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
5 0.032768 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
6 0.040960 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
7 0.049152 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
8 0.057344 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
9 0.065536 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
10 0.073728 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
11 0.081920 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
12 0.090112 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
13 0.098304 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
Frame 1: 558 bytes on wire (4464 bits), 558 bytes captured (4464 bits)
Ethernet II, Src: 00:00:00:00:00:01 (00:00:00:00:00:01), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 255.255.255.255
User Datagram Protocol, Src Port: 49153, Dst Port: 9
Data (512 bytes)
csma-broadcast_pcap-0-1.pcap
Packets: 1098 · Displayed: 1098 (100.0%)
Profile: Default


Activities
Wireshark
Mon 18:00
ubuntu@linux-VirtualBox: ~
File Edit View Search Terminal Tabs Help
ubuntu@linux-VirtualBox:~$ sudo whiteshark
[sudo] password for ubuntu:
sudo: whiteshark: command not found
ubuntu@linux-VirtualBox:~$ sudo wireshark
QStandardPaths: XDG_RUNTIME_DIR not set, defaulting to '/tmp/runtime-root'
csma-broadcast_pcap-1-0.pcap
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
No. Time Source Destination Protocol Length Info
1 0.000000 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
2 0.008192 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
3 0.016384 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
4 0.024576 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
5 0.032768 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
6 0.040960 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
7 0.049152 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
8 0.057344 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
9 0.065536 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
10 0.073728 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
11 0.081920 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
12 0.090112 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
13 0.098304 10.1.0.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
Frame 1: 558 bytes on wire (4464 bits), 558 bytes captured (4464 bits)
Ethernet II, Src: 00:00:00:00:00:01 (00:00:00:00:00:01), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 10.1.0.1, Dst: 255.255.255.255
User Datagram Protocol, Src Port: 49153, Dst Port: 9
Data (512 bytes)
csma-broadcast_pcap-1-0.pcap
Packets: 1098 · Displayed: 1098 (100.0%)
Profile: Default


Activities
Wireshark
Mon 18:00
ubuntu@linux-VirtualBox: ~
File Edit View Search Terminal Tabs Help
ubuntu@linux-VirtualBox:~$ sudo whiteshark
[sudo] password for ubuntu:
sudo: whiteshark: command not found
ubuntu@linux-VirtualBox:~$ sudo wireshark
QStandardPaths: XDG_RUNTIME_DIR not set, defaulting to '/tmp/runtime-root'
csma-broadcast_pcap-2-0.pcap
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
No. Time Source Destination Protocol Length Info
1 0.000000 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
2 0.008192 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
3 0.016384 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
4 0.024576 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
5 0.032768 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
6 0.040960 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
7 0.049152 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
8 0.057344 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
9 0.065536 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
10 0.073728 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
11 0.081920 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
12 0.090112 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
13 0.098304 192.168.1.1 255.255.255.255 UDP 558 49153 → 9 Len=512 [ETHERNET FRAME CHECK SEQUENCE
Frame 1: 558 bytes on wire (4464 bits), 558 bytes captured (4464 bits)
Ethernet II, Src: 00:00:00_00:00:03 (00:00:00:00:00:03), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 255.255.255.255
User Datagram Protocol, Src Port: 49153, Dst Port: 9
Data (512 bytes)
0000 ff ff ff ff ff ff 00 00 00 00 00 03 08 00 45 00 ..... E.
0010 02 1c 00 00 00 00 40 11 00 00 c0 a8 01 01 ff ff ..... @. .....
0020 ff ff c0 01 00 09 02 08 00 00 00 00 00 00 00 00 ....
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
0040 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
0050 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
0060 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
0070 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
0080 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
0090 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
00a0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
00b0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
00c0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
00d0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
00e0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
csma-broadcast_pcap-2-0.pcap
Packets: 1098 · Displayed: 1098 (100.0%)
Profile: Default