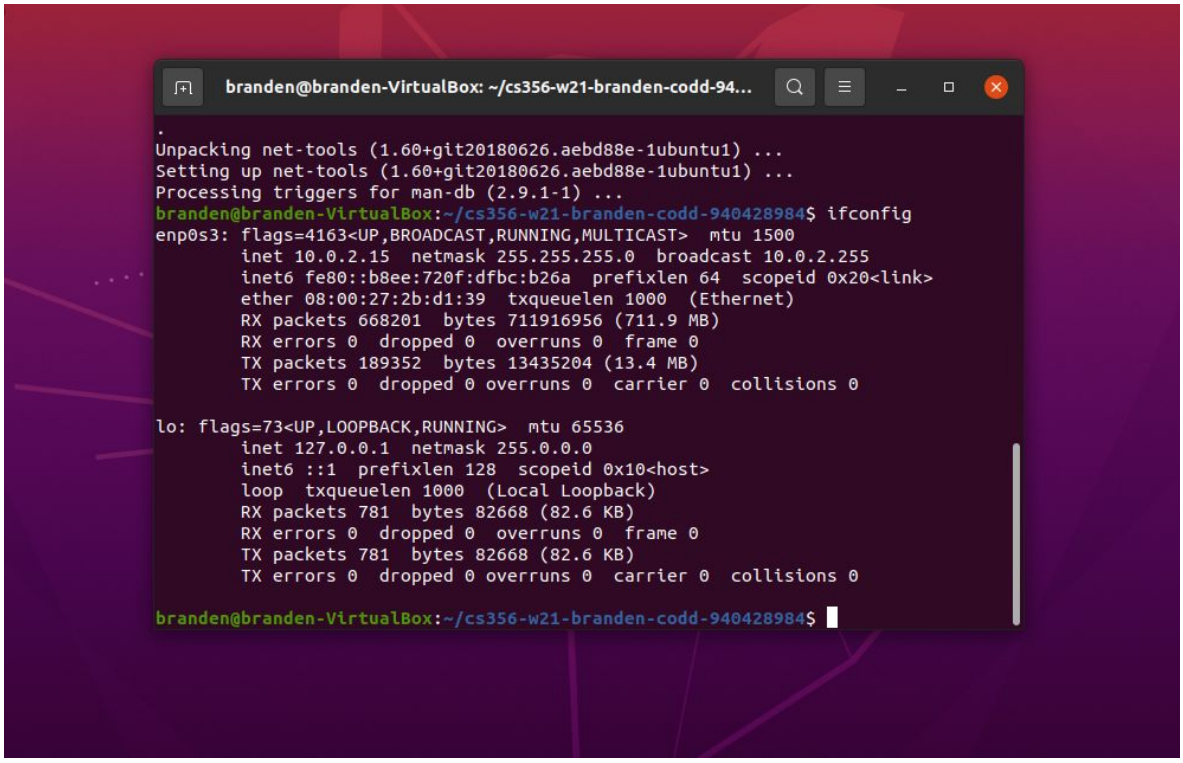
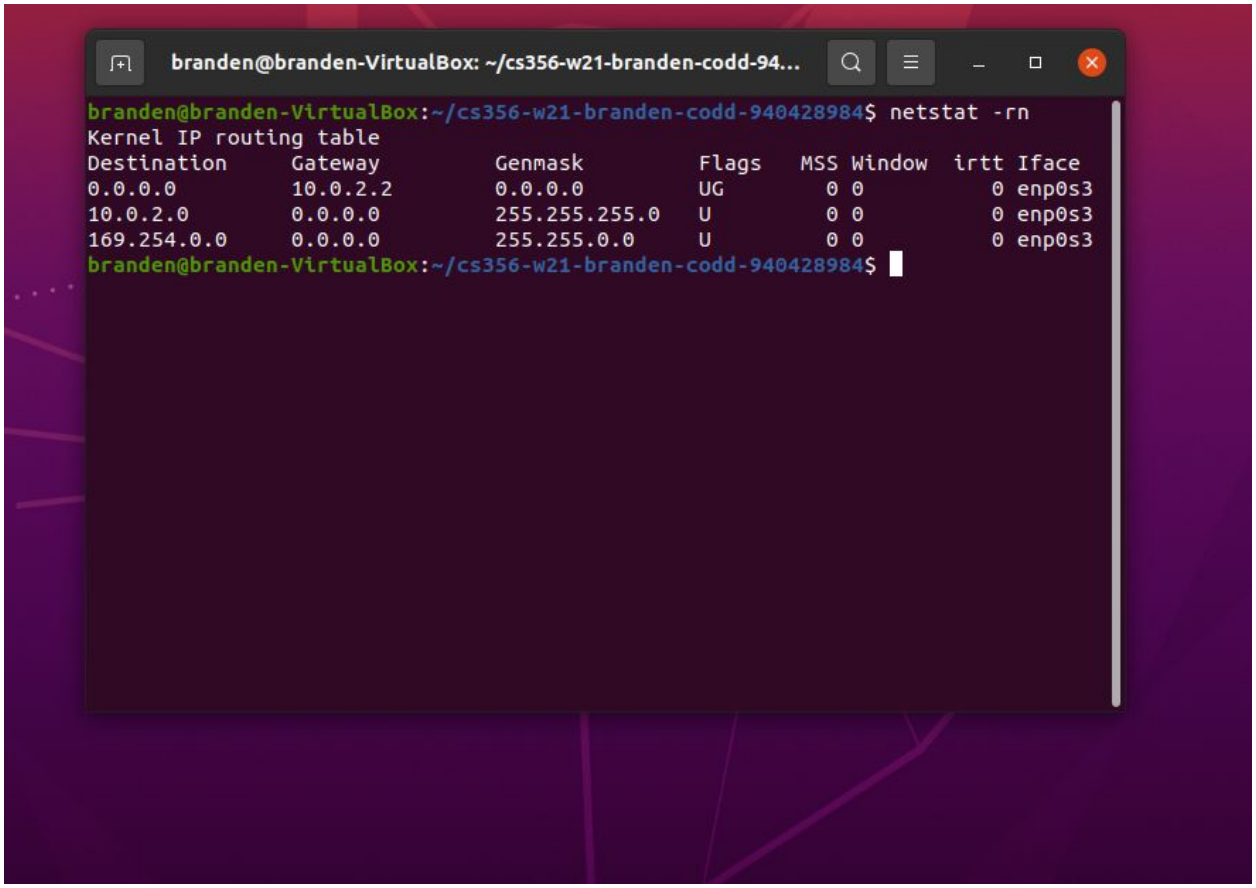
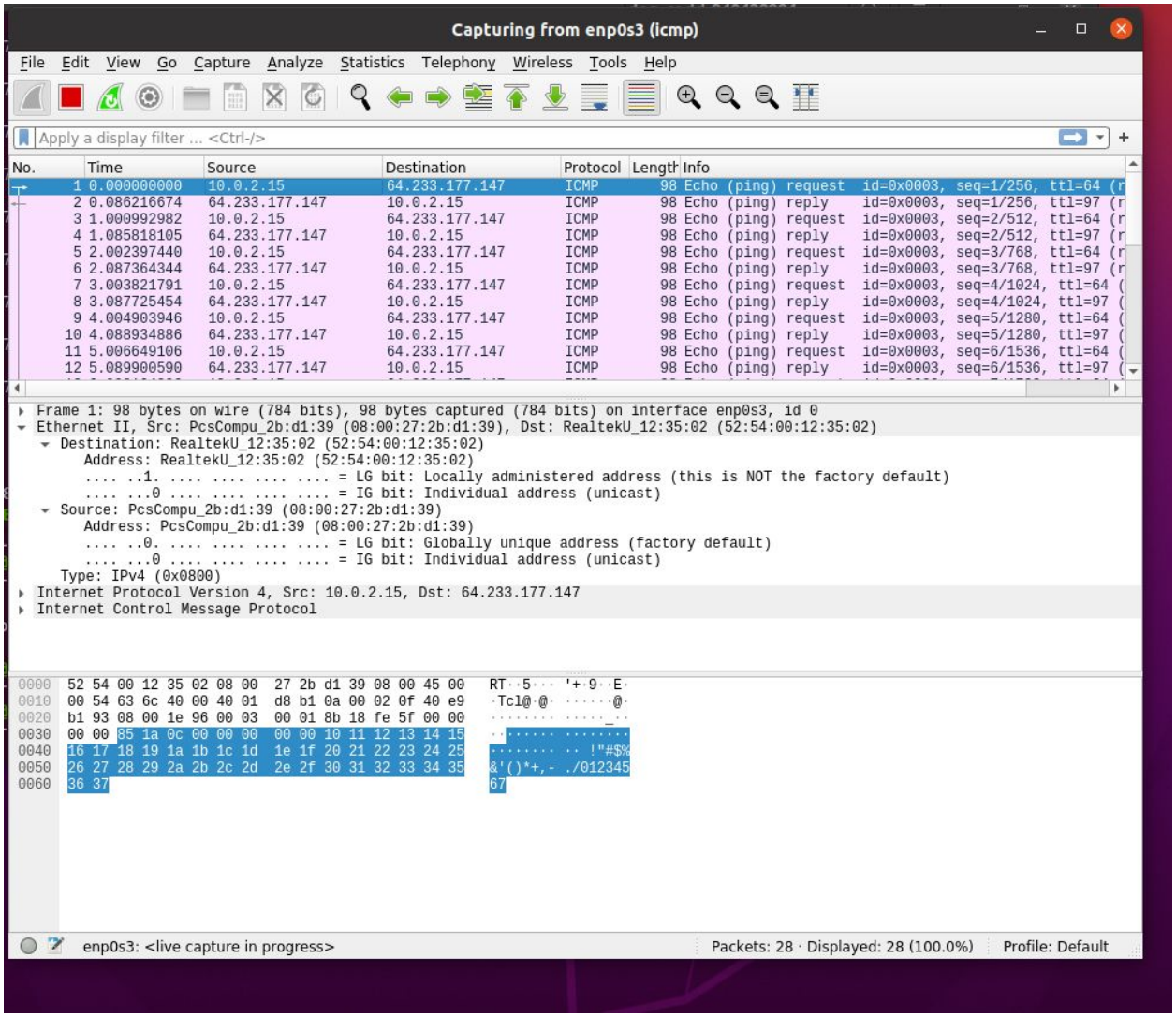
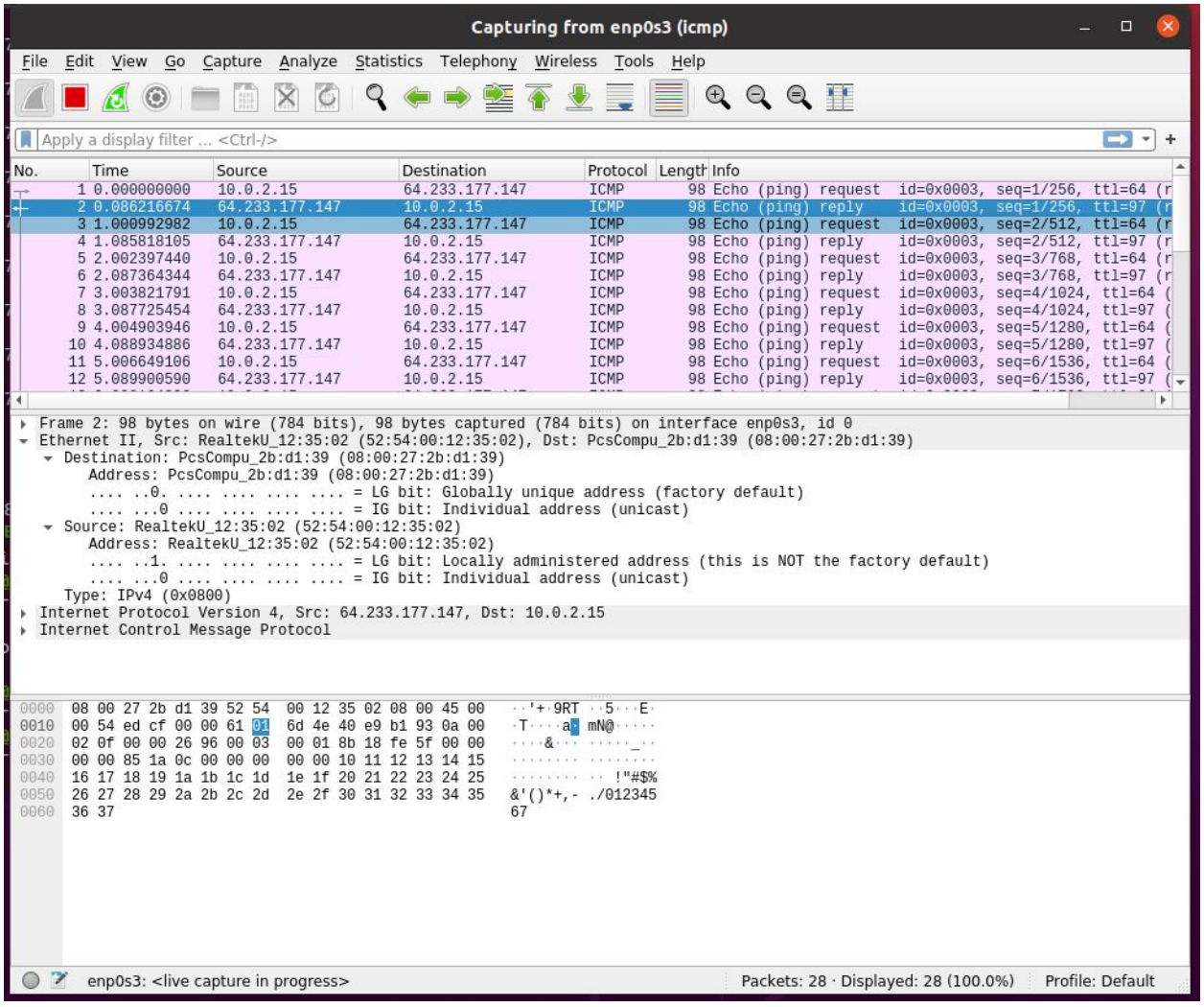
CS356-Lab01:2-Branden-Codd-940428984




branden@branden-VirtualBox: ~/cs356-w21-branden-codd-94...
branden@branden-VirtualBox:~/cs356-w21-branden-codd-940428984$ netstat -rn
Kernel IP routing table
Destination Gateway Genmask Flags MSS Window irtt Iface
0.0.0.0 10.0.2.2 0.0.0.0 UG 0 0 0 enp0s3
10.0.2.0 0.0.0.0 255.255.255.0 U 0 0 0 enp0s3
169.254.0.0 0.0.0.0 255.255.0.0 U 0 0 0 enp0s3
branden@branden-VirtualBox:~/cs356-w21-branden-codd-940428984$

```
branden@branden-VirtualBox:~/cs356-w21-branden-codd-940428984$ ping 10.0.2.2
PING 10.0.2.2 (10.0.2.2) 56(84) bytes of data.
64 bytes from 10.0.2.2: icmp_seq=1 ttl=64 time=0.248 ms
64 bytes from 10.0.2.2: icmp_seq=2 ttl=64 time=0.590 ms
64 bytes from 10.0.2.2: icmp_seq=3 ttl=64 time=0.396 ms
64 bytes from 10.0.2.2: icmp_seq=4 ttl=64 time=0.173 ms
64 bytes from 10.0.2.2: icmp_seq=5 ttl=64 time=0.413 ms
64 bytes from 10.0.2.2: icmp_seq=6 ttl=64 time=0.570 ms
64 bytes from 10.0.2.2: icmp_seq=7 ttl=64 time=0.528 ms
64 bytes from 10.0.2.2: icmp_seq=8 ttl=64 time=0.712 ms
64 bytes from 10.0.2.2: icmp_seq=9 ttl=64 time=0.439 ms
64 bytes from 10.0.2.2: icmp_seq=10 ttl=64 time=0.410 ms
64 bytes from 10.0.2.2: icmp_seq=11 ttl=64 time=0.421 ms
64 bytes from 10.0.2.2: icmp_seq=12 ttl=64 time=0.625 ms
64 bytes from 10.0.2.2: icmp_seq=13 ttl=64 time=0.577 ms
64 bytes from 10.0.2.2: icmp_seq=14 ttl=64 time=0.599 ms
64 bytes from 10.0.2.2: icmp_seq=15 ttl=64 time=0.204 ms
64 bytes from 10.0.2.2: icmp_seq=16 ttl=64 time=0.645 ms
64 bytes from 10.0.2.2: icmp_seq=17 ttl=64 time=0.573 ms
64 bytes from 10.0.2.2: icmp_seq=18 ttl=64 time=0.176 ms
64 bytes from 10.0.2.2: icmp_seq=19 ttl=64 time=0.458 ms
64 bytes from 10.0.2.2: icmp_seq=20 ttl=64 time=0.143 ms
64 bytes from 10.0.2.2: icmp_seq=21 ttl=64 time=0.200 ms
64 bytes from 10.0.2.2: icmp_seq=22 ttl=64 time=0.195 ms
64 bytes from 10.0.2.2: icmp_seq=23 ttl=64 time=0.306 ms
64 bytes from 10.0.2.2: icmp_seq=24 ttl=64 time=0.222 ms
64 bytes from 10.0.2.2: icmp_seq=25 ttl=64 time=0.576 ms
64 bytes from 10.0.2.2: icmp_seq=26 ttl=64 time=0.472 ms
64 bytes from 10.0.2.2: icmp_seq=27 ttl=64 time=0.588 ms
64 bytes from 10.0.2.2: icmp_seq=28 ttl=64 time=0.185 ms
64 bytes from 10.0.2.2: icmp_seq=29 ttl=64 time=0.177 ms
64 bytes from 10.0.2.2: icmp_seq=30 ttl=64 time=0.157 ms
64 bytes from 10.0.2.2: icmp_seq=31 ttl=64 time=0.116 ms
64 bytes from 10.0.2.2: icmp_seq=32 ttl=64 time=0.581 ms
^C
--- 10.0.2.2 ping statistics ---
32 packets transmitted, 32 received, 0% packet loss, time 31439ms
rtt min/avg/max/mdev = 0.116/0.396/0.712/0.184 ms
```


Capturing from enp0s3 (icmp)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
1 0.000000000 10.0.2.15 64.233.177.147 ICMP 98 Echo (ping) request id=0x0003, seq=1/256, ttl=64 (r
2 0.086216674 64.233.177.147 10.0.2.15 ICMP 98 Echo (ping) reply id=0x0003, seq=1/256, ttl=97 (r
3 1.000992982 10.0.2.15 64.233.177.147 ICMP 98 Echo (ping) request id=0x0003, seq=2/512, ttl=64 (r
4 1.085818105 64.233.177.147 10.0.2.15 ICMP 98 Echo (ping) reply id=0x0003, seq=2/512, ttl=97 (r
5 2.002397440 10.0.2.15 64.233.177.147 ICMP 98 Echo (ping) request id=0x0003, seq=3/768, ttl=64 (r
6 2.087364344 64.233.177.147 10.0.2.15 ICMP 98 Echo (ping) reply id=0x0003, seq=3/768, ttl=97 (r
7 3.003821791 10.0.2.15 64.233.177.147 ICMP 98 Echo (ping) request id=0x0003, seq=4/1024, ttl=64 (
8 3.087725454 64.233.177.147 10.0.2.15 ICMP 98 Echo (ping) reply id=0x0003, seq=4/1024, ttl=97 (
9 4.004903946 10.0.2.15 64.233.177.147 ICMP 98 Echo (ping) request id=0x0003, seq=5/1280, ttl=64 (
10 4.088934886 64.233.177.147 10.0.2.15 ICMP 98 Echo (ping) reply id=0x0003, seq=5/1280, ttl=97 (
11 5.006649106 10.0.2.15 64.233.177.147 ICMP 98 Echo (ping) request id=0x0003, seq=6/1536, ttl=64 (
12 5.089900590 64.233.177.147 10.0.2.15 ICMP 98 Echo (ping) reply id=0x0003, seq=6/1536, ttl=97 (
Frame 1: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) on interface enp0s3, id 0
Ethernet II, Src: PcsCompu_2b:d1:39 (08:00:27:2b:d1:39), Dst: RealtekU_12:35:02 (52:54:00:12:35:02)
Destination: RealtekU_12:35:02 (52:54:00:12:35:02)
Address: RealtekU_12:35:02 (52:54:00:12:35:02)
.... ..1. .... = LG bit: Locally administered address (this is NOT the factory default)
....0 .... = IG bit: Individual address (unicast)
Source: PcsCompu_2b:d1:39 (08:00:27:2b:d1:39)
Address: PcsCompu_2b:d1:39 (08:00:27:2b:d1:39)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.0.2.15, Dst: 64.233.177.147
Internet Control Message Protocol
0000 52 54 00 12 35 02 08 00 27 2b d1 39 08 00 45 00
0010 00 54 63 6c 40 00 40 01 d8 b1 0a 00 02 0f 40 e9
0020 b1 93 08 00 1e 96 00 03 00 01 8b 18 fe 5f 00 00
0030 00 00 85 1a 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
enp0s3: <live capture in progress>
Packets: 28 · Displayed: 28 (100.0%)
Profile: Default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Frame 2: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) on interface enp0s3, id 0
Ethernet II, Src: RealtekU_12:35:02 (52:54:00:12:35:02), Dst: PcsCompu_2b:d1:39 (08:00:27:2b:d1:39)
Destination: PcsCompu_2b:d1:39 (08:00:27:2b:d1:39)
Address: PcsCompu_2b:d1:39 (08:00:27:2b:d1:39)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Source: RealtekU_12:35:02 (52:54:00:12:35:02)
Address: RealtekU_12:35:02 (52:54:00:12:35:02)
.... ..1. .... = LG bit: Locally administered address (this is NOT the factory default)
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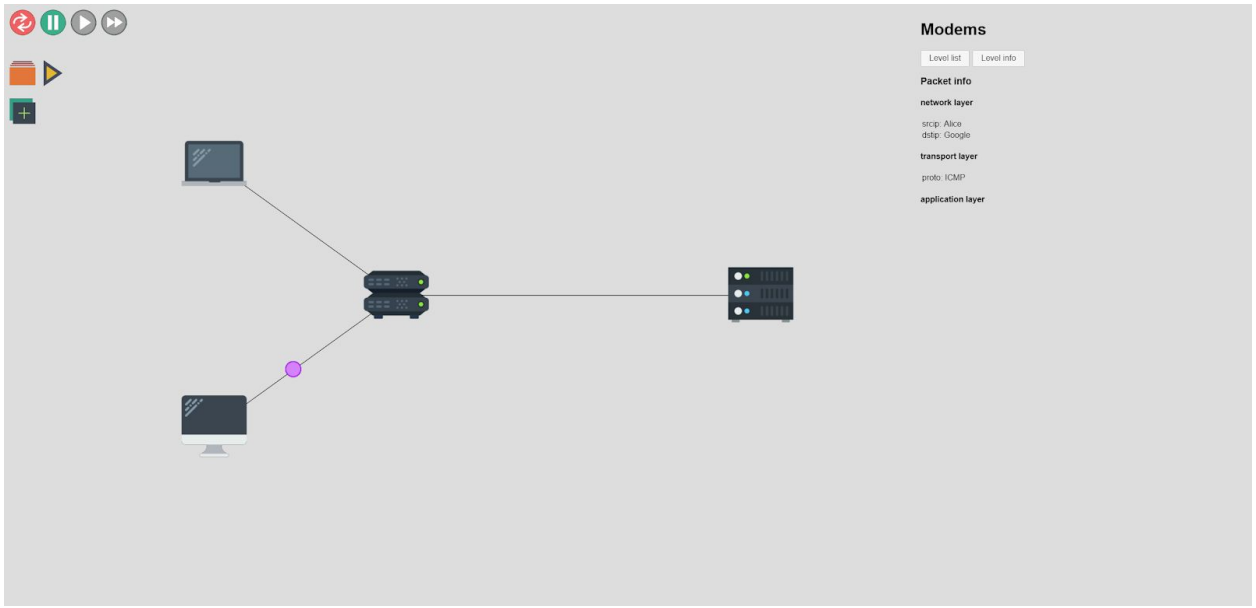
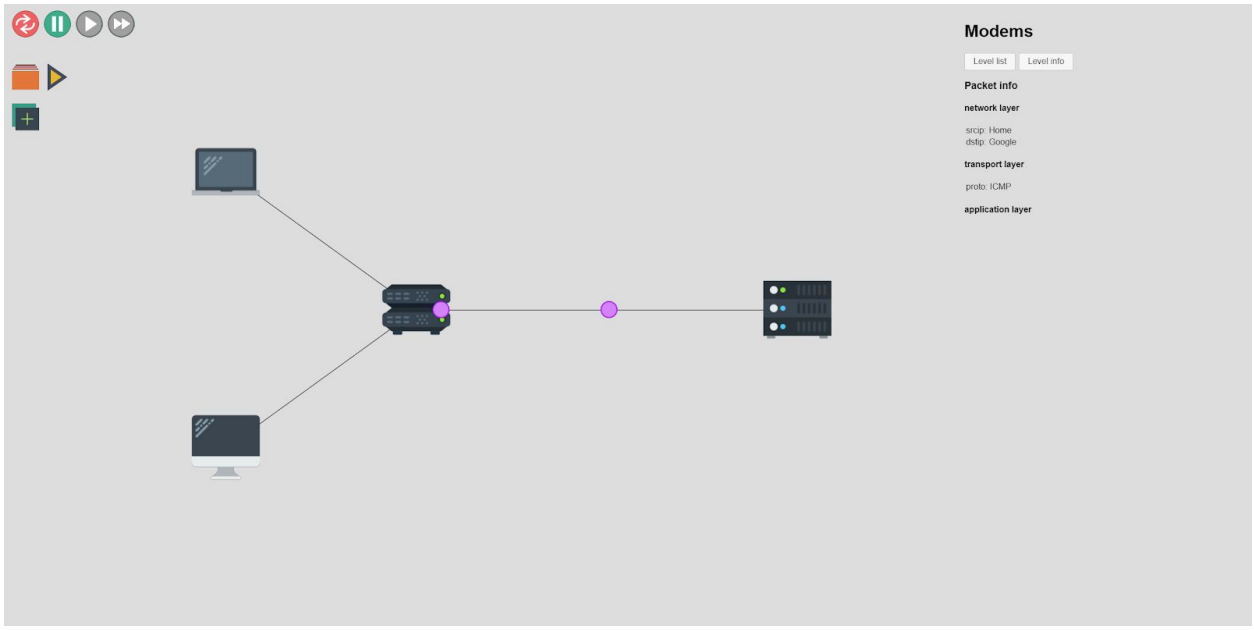
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 64.233.177.147, Dst: 10.0.2.15
Internet Control Message Protocol
0000 08 00 27 2b d1 39 52 54 00 12 35 02 08 00 45 00
0010 00 54 ed cf 00 00 61 01 6d 4e 40 e9 b1 93 0a 00
0020 02 0f 00 00 26 96 00 03 00 01 8b 18 fe 5f 00 00
0030 00 00 85 1a 0c 00 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
enp0s3: <live capture in progress>
Packets: 28 · Displayed: 28 (100.0%)
Profile: Default


Modems
Level list
Level info
Packet info
network layer
srcip: Alice
dstip: Google
transport layer
proto: ICMP
application layer


Modems
Level list
Level info
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network layer
srcip: Home
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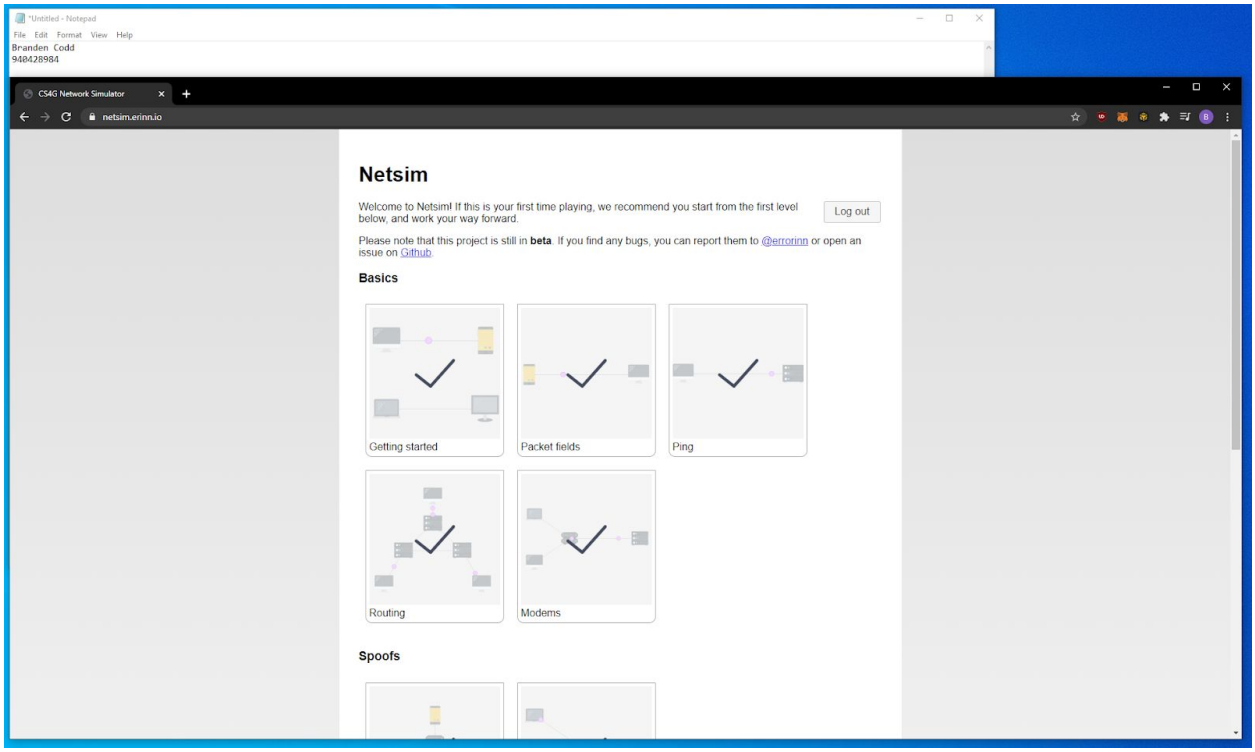
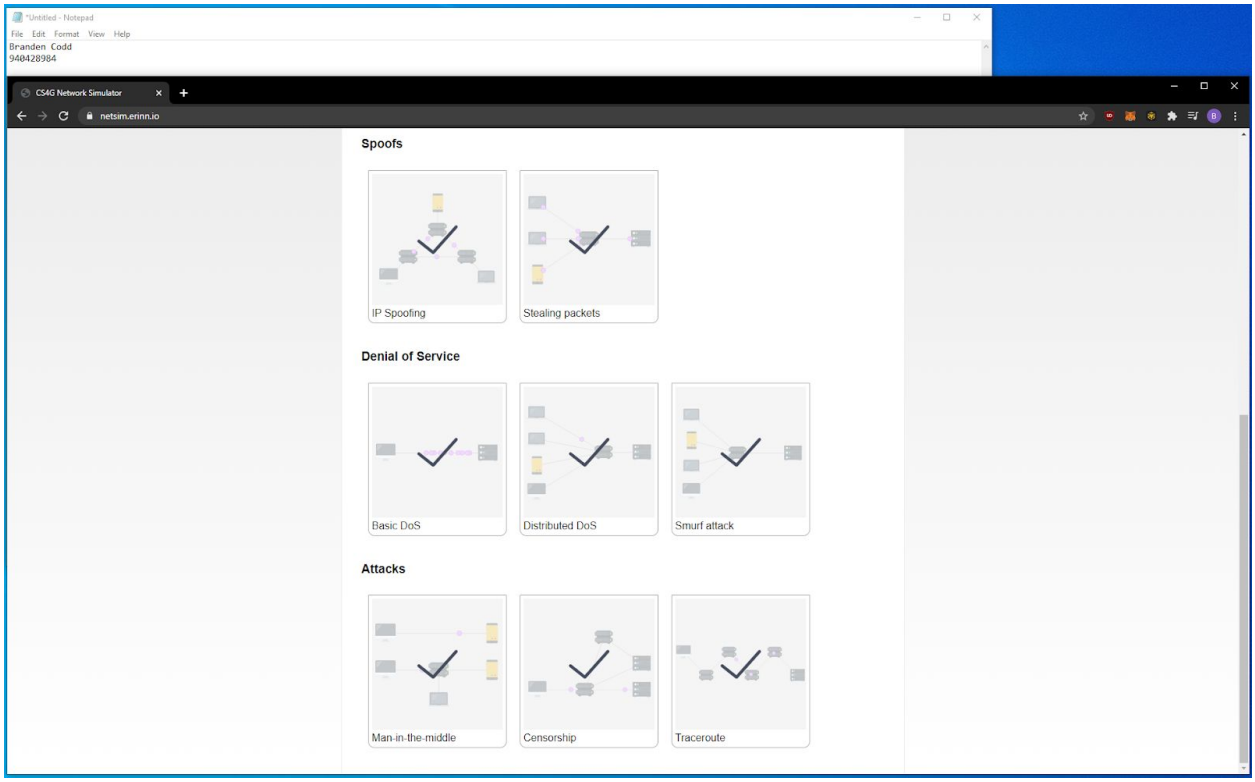

*Untitled - Notepad
File Edit Format View Help
Branden Codd
940428984
CS4G Network Simulator
netsim.erinn.io
Netsim
Welcome to Netsim! If this is your first time playing, we recommend you start from the first level below, and work your way forward.
Log out
Please note that this project is still in beta. If you find any bugs, you can report them to @errorinn or open an issue on Github.
Basics
Getting started
Packet fields
Ping
Routing
Modems
Spoofs


*Untitled - Notepad
File Edit Format View Help
Branden Codd
9404289984
CS4G Network Simulator
netsim.erinn.io
Spoofs
IP Spoofing
Stealing packets
Denial of Service
Basic DoS
Distributed DoS
Smurf attack
Attacks
Man-in-the-middle
Censorship
Traceroute