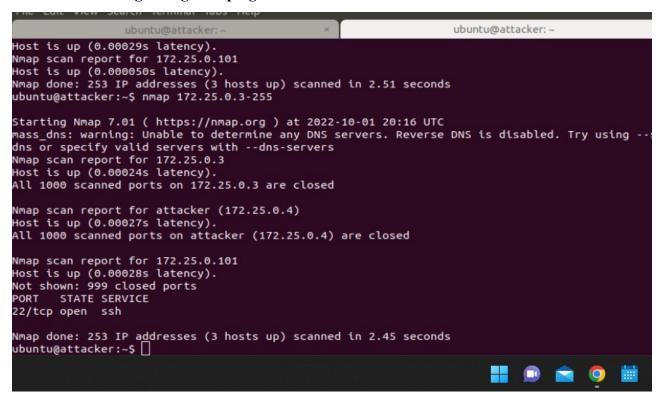
- This is an individual assignment and worth 20 points.
- The due date is Saturday, October 1, midnight.
- Please zoom in on the outputs.
- Use the accompanying output document to report your results.
- Follow the naming convention.
- YOU ARE NOT ALLOWED TO DO THIS DURING THE CLASS.

Homework 3: Attacks on TCP/IP

Task 1. Performing a Ping Sweeping



Task 2. Performing a Port Scanning

File Edit View Search Terminal Tabs Help ubuntu@attacker: ~ ubuntu@attacker: ~ QUITTING! ubuntu@attacker:~\$ sudo nmap -p -0 175.25.0.3:* Error #486: Your port specifications are illegal. Example of proper form: "-100,200-1024,T:30000,U:60000-" QUITTING! ubuntu@attacker:~\$ sudo nmap -sT -p- 175.25.0.3 Starting Nmap 7.01 (https://nmap.org) at 2022-10-01 20:27 UTC setup_target: failed to determine route to 175.25.0.3 $\,$ WARNING: No targets were specified, so 0 hosts scanned. Nmap done: 0 IP addresses (0 hosts up) scanned in 0.04 seconds ubuntu@attacker:~\$ sudo nmap -sT -p- 172.25.0.3 Starting Nmap 7.01 (https://nmap.org) at 2022-10-01 20:27 UTC mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --sy dns or specify valid servers with --dns-servers Nmap scan report for 172.25.0.3 Host is up (0.00018s latency). All 65535 scanned ports on 172.25.0.3 are closed MAC Address: 12:34:56:B0:B1:B3 (Unknown) Nmap done: 1 IP address (1 host up) scanned in 2.34 seconds ubuntu@attacker:~\$

Task 3. Complete Task 1 of the Labtainer tcpip (SYN flooding attack)

```
Max rtt: N/A | Min rtt: N/A | Avg rtt: N/A
TCP connection attempts: 20 | Successful connections: 0 | Failed: 20 (100.00%)
Nping done: 1 IP address pinged in 19.03 seconds
Jbuntu@attacker:-5 nping -c 20 --source-ip 192.168.10.10 172.25.0.3
 tarting Nping 0.7.01 ( https://nmap.org/nping ) at 2022-10-01 20:59 UTC
ibnsock mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #1): Cannot assign requested a
lonsock mksock_bind_dddr(): 85md
dfress (99)
ENT (0.0060s) Starting TCP Handshake > 172.25.0.3:80
ECV (0.0061s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
lbnsock mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #2): Cannot assign requested a
        sock mksock_bing_asor();
ss (99)
(1.0078s) Starting TCP Handshake > 172.25.0.3:80
(1.0078s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
sock mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #3): Cannot assign requested a
  NT (2.0091s) Starting TCP Handshake > 172.25.0.3:80
CV (2.0091s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
bnsock_mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #4): Cannot assign requested a
 sock mksock_bind_dash()
ss (99)
(4.0115s) Starting TCP Handshake > 172.25.0.3:80
(4.0115s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
sock mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #6): Cannot assign requested a
  Lonsock misock_othic_adur(): Bind to 192.106.10.19:0 Patted (100 #0): Caminot assign requested a
fress (99)
NT (S.0127s) Starting TCP Handshake > 172.25.0.3:80
ECV (S.0127s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
bnsock mksock_bind_addr(): Bind to 192.168.10.10:0 failed (10D #7): Cannot assign requested a
            (99)
6.0143s) Starting TCP Handshake > 172.25.0.3:80
6.0143s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
ck mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #8): Cannot assign requested a
        sock mksock_brins_dsset);
s (99)
(7.0154s) Starting TCP Handshake > 172.25.0.3:80
(7.0154s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
sock mksock_bind_addr(): Bind to 192.168.10.10:0 failed (IOD #9): Cannot assign requested a
 ibnsock mksock bind_addr(): Bind to 192.168.10.10:0 failed (IOD #9): Cannot assign requested a
dress (99)
ENT (8.0171s) Starting TCP Handshake > 172.25.0.3:80
ECV (8.0171s) Possible TCP RST received from 172.25.0.3:80 --> Connection refused
lbnsock mksock_bin_addr(): Bind to 192.168.10.10:0 failed (IOD #10): Cannot assign requested
ddress (99)
ENT (9.0189s) Starting TCP Handshake > 172.25.0.3:80
 Q Q T
Apply a display filter ..
                                                                                                                   Destination
                                                                                                                                                                         Protocol Length Info
                  1 0.0000000000 172.25.0.4
                                                                                                                   172.25.0.3
                                                                                                                                                                          TCP
                                                                                                                                                                                    74 35065 → 80 [SYN] Seg=0 Win=29200 Len
```

Task 4. Complete Task 2 of Labtainer tcpip (TCP RST attacks on telnet connections)

```
admingsever:-5 utrishark

admingsever:-5 utrishark

admingsever:-5 utrishark

libble error: falled to open /dev/dri/cardo: Peratssion denied
libble error: falled to load driver:

utrible error: falled error: falled error:

utrible error: falled to load driver:

utrible error: falled error:

utrible error: falled error:
```