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	Section: B	Date: 27/08/2022

Task 1.1 A	Sniff IP packets using Scapy.
Output Screenshot	<p>From Host-A:</p> <pre>root@015dd2950967:/# export PS1="hostA:PES1UG20CS016:Name:AdarshKumar\$&gt;" hostA:PES1UG20CS016:Name:AdarshKumar\$&gt;ping 8.8.8.8 PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data. ^C --- 8.8.8.8 ping statistics --- 12 packets transmitted, 0 received, 100% packet loss, time 11254ms  hostA:PES1UG20CS016:Name:AdarshKumar\$&gt;</pre> <p>Pinging from Host-A to 8.8.8.8 (<a href="http://www.google.com">www.google.com</a>) 12 packets transmitted.</p> <p>On Attacker Terminal:</p> <pre>seed-attacker:PES1UG20CS016:Name:AdarshKumar\$&gt;python3 Task1.1A.py SNIFFING PACKETS... #### Ethernet #### dst      = 02:42:88:a6:c7:6a src      = 02:42:0a:09:00:05 type     = IPv4 #### IP #### version  = 4 ihl      = 5 tos      = 0x0 len      = 84 id       = 45937 flags    = DF frag     = 0 ttl      = 64 proto    = icmp chksum   = 0x6d1a src      = 10.9.0.5 dst      = 8.8.8.8 \options \ #### ICMP #### type     = echo-request code     = 0 chksum   = 0x2ad7 id       = 0x1c seq      = 0x1 #### Raw #### load     = '\xcf\xb1\x08c\x00\x00\x00-\\$t\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&amp;'()*+,-./01234567'</pre> <p><b>Observation:</b>  A packet received which has 4 headers like Ethernet, IP, ICMP, Raw.  ICMP packets received on attacker's terminal after Pinging from host-A IP:10.9.0.5  Type of IP address is IPv4 and checksum of IP header is also calculated as 0x6d1a  ICMP packet checksum is 0x2ad7, Raw packet load is present in some encrypted format.</p>
Task 1.1 B	Capture only the ICMP packet
Output Screenshot	<p>From Host A:</p> <pre>hostA:PES1UG20CS016:Name:AdarshKumar\$&gt;ping 8.8.8.8 PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data. ^C --- 8.8.8.8 ping statistics --- 5 packets transmitted, 0 received, 100% packet loss, time 4084ms  hostA:PES1UG20CS016:Name:AdarshKumar\$&gt;</pre> <p>Pinging from Host-A to 8.8.8.8 (<a href="http://www.google.com">www.google.com</a>) 5 packets transmitted.</p>

## On Attacker Terminal:

```
seed-attacker:PES1UG20CS016:Name:AdarshKumar$>python3 Task1.1B-I
CMP.py
SNIFFING PACKETS...
###[ Ethernet ]###
  dst      = 02:42:88:a6:c7:6a
  src      = 02:42:0a:09:00:05
  type     = IPv4
###[ IP ]###
  version  = 4
  ihl      = 5
  tos      = 0x0
  len      = 84
  id       = 56357
  flags    = DF
  frag     = 0
  ttl      = 64
  proto    = icmp
  chksum   = 0x4466
  src      = 10.9.0.5
  dst      = 8.8.8.8
  \options \
###[ ICMP ]###
  type     = echo-request
  code     = 0
  chksum   = 0x98dc
  id       = 0x1e
  seq      = 0x1
###[ Raw ]###
  load     = '@\xb4\x08c\x00\x00\x00\x00P\x1a\x07\x00\
\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\
\x1c\x1d\x1e\x1f !"#%&\'()*+,-./01234567'
```

## Observation:

A packet received which has 4 headers like Ethernet, IP, ICMP, Raw.  
 Only ICMP packet received on attacker's terminal after pinging from host-A IP:10.9.0.5 by using filter  
 Type of IP address is IPv4 and checksum of IP header is calculated as 0x4466  
 ICMP packet echo-request checksum is 0x98dc, sequence no 1.  
 Raw packet load is present in some encrypted format

Q)	Capture any TCP packet that comes from a particular IP and with a destination port number 23
Output Screenshot	<p>From Host A:</p> <p>Connecting with telnet from IP address 10.9.0.1.</p> <p>Got login portal sign in successfully and got connected to successfully.</p> <p>Now terminating the telnet connection.</p>

```

hostA:PES1UG20CS016:Name:AdarshKumar$>telnet 10.9.0.1
Trying 10.9.0.1...
Connected to 10.9.0.1.
Escape character is '^]'.
Ubuntu 20.04.1 LTS
VM login: seed
Password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0-54-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

0 updates can be installed immediately.
0 of these updates are security updates.

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Your Hardware Enablement Stack (HWE) is supported until April 2025.

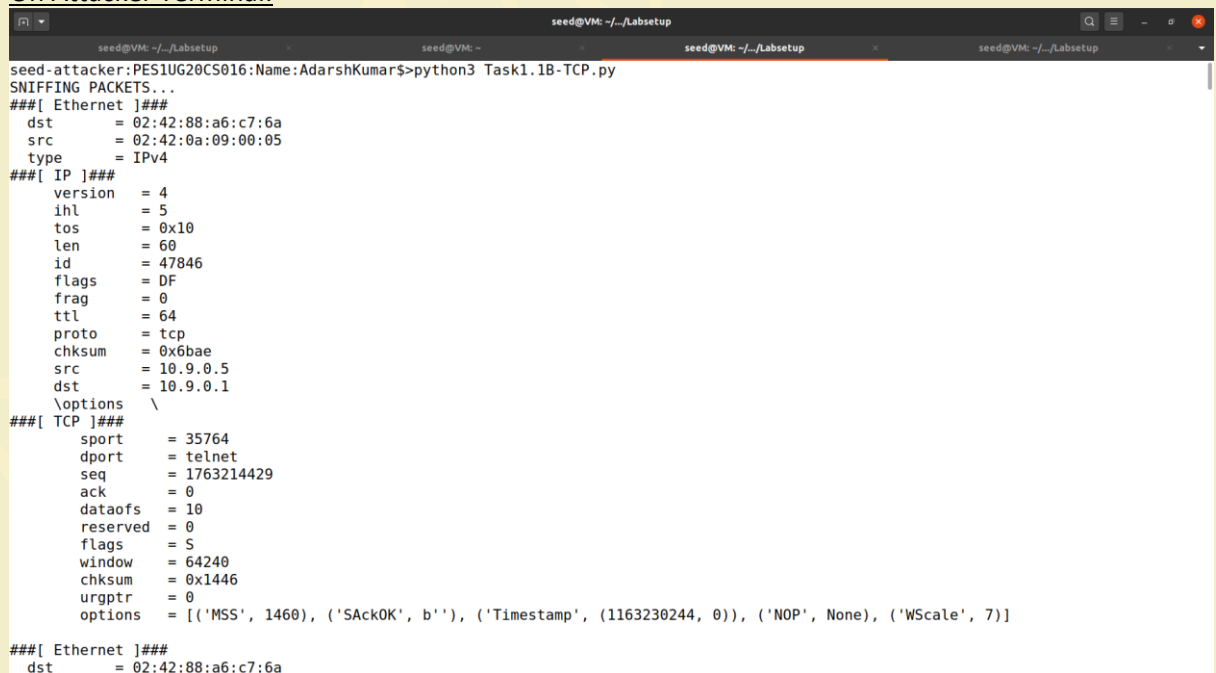
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

[08/26/22]seed@VM:~$

```

## On Attacker Terminal:



```

seed@VM: ~/Labsetup
seed-attacker:PES1UG20CS016:Name:AdarshKumar$>python3 Task1.1B-TCP.py
SNIFFING PACKETS...
###[ Ethernet ]###
  dst      = 02:42:88:a6:c7:6a
  src      = 02:42:0a:09:00:05
  type     = IPv4
###[ IP ]###
  version  = 4
  ihl      = 5
  tos      = 0x10
  len      = 60
  id       = 47846
  flags    = DF
  frag     = 0
  ttl      = 64
  proto    = tcp
  chksum   = 0x6bae
  src      = 10.9.0.5
  dst      = 10.9.0.1
  \options \
###[ TCP ]###
  sport    = 35764
  dport    = telnet
  seq      = 1763214429
  ack      = 0
  dataoffs = 10
  reserved = 0
  flags    = S
  window   = 64240
  chksum   = 0x1446
  urgptr   = 0
  options  = [('MSS', 1460), ('SackOK', b''), ('Timestamp', (1163230244, 0)), ('NOP', None), ('WScale', 7)]

###[ Ethernet ]###
  dst      = 02:42:88:a6:c7:6a

```

## Observation:

When host-A was trying to connect with talent service then TCP packet received.  
 Here packet received which has only 4 headers like Ethernet, IP, TCP.  
 Only TCP packet received on attacker's terminal after establishing connection from host-A IP:10.9.0.5 by using filter.  
 Type of IP address is IPv4 and checksum of IP header is calculated as 0x6bae  
 TCP packet dport is telnet and checksum is 0x1446, ack is 0, **Note here RAW packet is not Present**

Q)	Capture packets that come from or go to a particular subnet
Output Screenshot	<p>From Host A</p> <pre> hostA:PES1UG20CS016:Name:AdarshKumar\$&gt;ping 172.17.0.1 PING 172.17.0.1 (172.17.0.1) 56(84) bytes of data. 64 bytes from 172.17.0.1: icmp_seq=1 ttl=64 time=0.057 ms 64 bytes from 172.17.0.1: icmp_seq=2 ttl=64 time=0.155 ms 64 bytes from 172.17.0.1: icmp_seq=3 ttl=64 time=0.085 ms 64 bytes from 172.17.0.1: icmp_seq=4 ttl=64 time=0.150 ms 64 bytes from 172.17.0.1: icmp_seq=5 ttl=64 time=0.159 ms 64 bytes from 172.17.0.1: icmp_seq=6 ttl=64 time=0.096 ms 64 bytes from 172.17.0.1: icmp_seq=7 ttl=64 time=0.153 ms 64 bytes from 172.17.0.1: icmp_seq=8 ttl=64 time=0.152 ms ^C --- 172.17.0.1 ping statistics --- 8 packets transmitted, 8 received, 0% packet loss, time 7152ms rtt min/avg/max/mdev = 0.057/0.125/0.159/0.037 ms hostA:PES1UG20CS016:Name:AdarshKumar\$&gt; </pre> <p>Pinging from Host-A to IP 172.17.0.1 which is in same subnet, ping successful sending a sequence of ICMP Packet.</p> <p>8 packet successfully transmitted in time 7152ms.</p> <p><u>On Attacker Terminal:</u></p> <pre> seed-attacker:PES1UG20CS016:Name:AdarshKumar\$&gt;python3 Task1.1B-Subnet.py SNIFFING PACKETS... ###[ Ethernet ]###   dst      = 02:42:0a:09:00:05   src      = 02:42:88:a6:c7:6a   type     = IPv4 ###[ IP ]###   version  = 4   ihl      = 5   tos      = 0x0   len      = 84   id       = 3238   flags    =   frag     = 0   ttl      = 64   proto    = icmp   checksum = 0xb7e3   src      = 172.17.0.1   dst      = 10.9.0.5   \options \ ###[ ICMP ]###   type     = echo-reply   code     = 0   checksum = 0x84ad   id       = 0x27   seq      = 0x1 ###[ Raw ]###   load     = 'S\x09\x08c\x00\x00\x00W;\t\x00\x00\x00\x00\x10\x11\x12\x13\x14\x15\x16\x17\x18\x19\x1a\x1b\x1c\x1d\x1e\x1f !"#%&amp;'()*+,-./01234567' </pre> <p><u>Observation:</u></p> <p>A packet received which has 4 headers like Ethernet, IP, ICMP, Raw.</p> <p>Type of IP address is IPv4 and checksum of IP header is calculated as 0xb7e3, in same subnet</p> <p>ICMP packet echo-request checksum is 0x84ad, sequence no 0x1.</p> <p>Raw packet load is present in some encrypted format.</p>
Task 1.2	spoofing ICMP echo request packets
Output Screenshot	<p><u>On Attacker Terminal:</u></p>

```
Seed-attacker:PES2UG20CS016:AdarshKumar$>python3 Task1.2A.py
SENDING SPOOFED ICMP PACKET...
###[ IP ]###
version      = 4
ihl          = None
tos          = 0x0
len          = None
id           = 1
flags        =
frag         = 0
ttl          = 64
proto        = icmp
chksum       = None
src          = 10.9.0.1
dst          = 10.9.0.5
\options     \
###[ ICMP ]###
type         = echo-request
code         = 0
chksum       = None
id           = 0x0
seq          = 0x0
```

## Observation:

Sending a spoofed packet from source=10.9.0.1 to destination=10.9.1.5

Photocall type ICMP, IP address is type is IPv4

NOTE: checksum is None it will be considered as missing checksum but will be allowed and flags field is also empty length of packet is not defined. And tos is 0x0.

## Wireshark:

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help													
Apply a display filter ... <Ctrl-/>													
No.	Time	Source	Destination	Protocol	Length	Info							
1	2022-08-31 03:3...	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.5? Tell 10.9.0.1							
2	2022-08-31 03:3...	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.5? Tell 10.9.0.1							
3	2022-08-31 03:3...	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.5? Tell 10.9.0.1							
4	2022-08-31 03:3...	02:42:0a:09:00:05		ARP	44	10.9.0.5 is at 02:42:0a:09:00:05							
5	2022-08-31 03:3...	02:42:0a:09:00:05		ARP	44	10.9.0.5 is at 02:42:0a:09:00:05							
6	2022-08-31 03:3...	10.9.0.1	10.9.0.5	ICMP	44	Echo (ping) request id=0x0000, seq=0/0, ttl=64 (no response ...							
7	2022-08-31 03:3...	10.9.0.1	10.9.0.5	ICMP	44	Echo (ping) request id=0x0000, seq=0/0, ttl=64 (reply in 8)							
8	2022-08-31 03:3...	10.9.0.5	10.9.0.1	ICMP	44	Echo (ping) reply id=0x0000, seq=0/0, ttl=64 (request in 7)							
9	2022-08-31 03:3...	10.9.0.5	10.9.0.1	ICMP	44	Echo (ping) reply id=0x0000, seq=0/0, ttl=64							
10	2022-08-31 03:3...	02:42:0a:09:00:05		ARP	44	Who has 10.9.0.1? Tell 10.9.0.5							
11	2022-08-31 03:3...	02:42:0a:09:00:05		ARP	44	Who has 10.9.0.1? Tell 10.9.0.5							
12	2022-08-31 03:3...	02:42:5f:56:72:c2		ARP	44	10.9.0.1 is at 02:42:5f:56:72:c2							
13	2022-08-31 03:3...	02:42:5f:56:72:c2		ARP	44	10.9.0.1 is at 02:42:5f:56:72:c2							
▶ Frame 7: 44 bytes on wire (352 bits), 44 bytes captured (352 bits) on interface any, id 0 ▶ Linux cooked capture ▶ Internet Protocol Version 4, Src: 10.9.0.1, Dst: 10.9.0.5 ▶ Internet Control Message Protocol													
0000 00 04 00 01 00 06 02 42 5f 56 72 c2 00 00 08 00 .....B_Vr..... 0010 45 00 00 1c 00 01 00 00 40 01 66 c9 0a 09 00 01 E.....@_f..... 0020 0a 09 00 05 08 00 f7 ff 00 00 00 00 .....@_f.....													

For ICMP Echo request from 10.9.0.1 we got an ICMP Echo reply from 10.9.0.5

Q.)	spoofing ICMP echo request packets arbitrary source IP address
Output Screenshot	On Attacker Terminal:

```
Seed-attacker:PES2UG20CS016:AdarshKumar$>python3 Task1.2B.py
SENDING SPOOFED ICMP PACKET...
###[ IP ]###
version      = 4
ihl          = None
tos          = 0x0
len          = None
id           = 1
flags        = 
frag         = 0
ttl          = 64
proto        = icmp
chksum       = None
src          = 10.9.0.11
dst          = 10.9.0.99
\options     \
###[ ICMP ]###
type         = echo-request
code         = 0
chksum       = None
id           = 0x0
seq          = 0x0

Seed-attacker:PES2UG20CS016:AdarshKumar$>
```

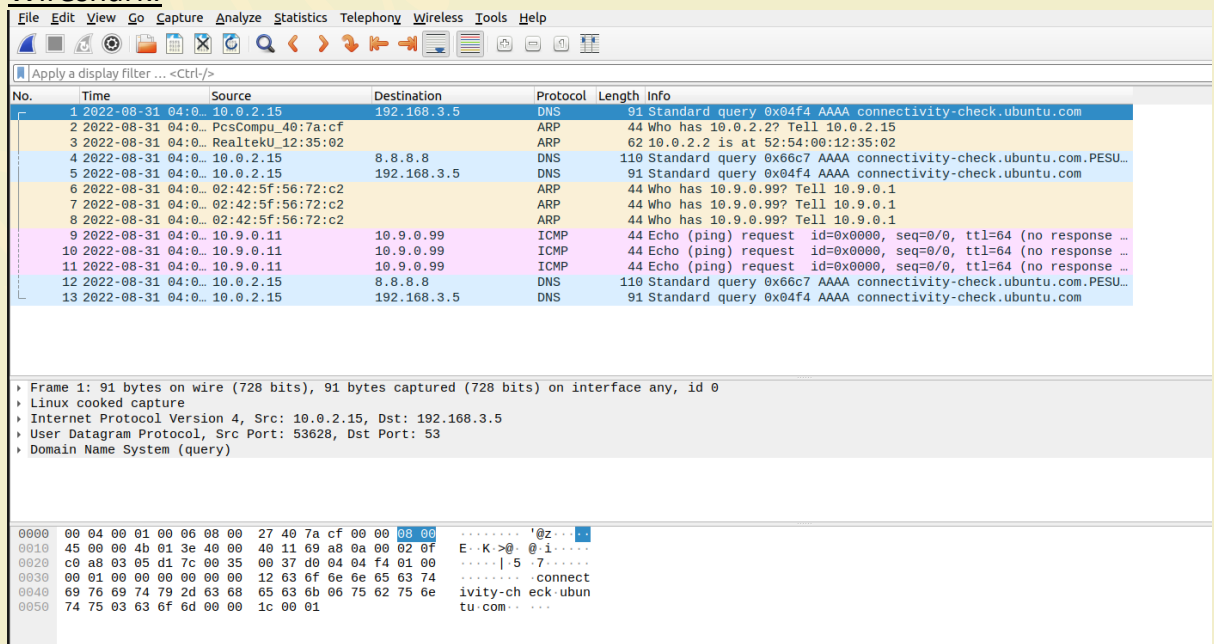
## Observation:

Similar to above here we are spoofing to arbitrator IP address as you can see that in ICMP header code, checksum, id, sequence everything is 0.

We send only IP, ICMP header part rest all is set to default value by scapy module.

ttl value is 64 so packet was not able to reach to destination and IP version is IPv4, flags are not set

## Wireshark:



Wireshark packet capture showing DNS queries and ICMP echo requests. The packet list shows 13 packets. The packet details pane shows the selected packet (No. 1) as a Standard query (0x04f4) from 10.0.2.15 to 192.168.3.5. The packet bytes pane shows the raw data of the packet.

No.	Time	Source	Destination	Protocol	Length	Info
1	2022-08-31 04:0...	10.0.2.15	192.168.3.5	DNS	91	Standard query 0x04f4 AAAA connectivity-check.ubuntu.com
2	2022-08-31 04:0...	PcsCompu_40:7a:cf		ARP	44	Who has 10.0.2.2? Tell 10.0.2.15
3	2022-08-31 04:0...	RealtekU_12:35:02		ARP	62	10.0.2.2 is at 52:54:00:12:35:02
4	2022-08-31 04:0...	10.0.2.15	8.8.8.8	DNS	110	Standard query 0x66c7 AAAA connectivity-check.ubuntu.com.PESU...
5	2022-08-31 04:0...	10.0.2.15	192.168.3.5	DNS	91	Standard query 0x04f4 AAAA connectivity-check.ubuntu.com
6	2022-08-31 04:0...	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.99? Tell 10.9.0.1
7	2022-08-31 04:0...	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.99? Tell 10.9.0.1
8	2022-08-31 04:0...	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.99? Tell 10.9.0.1
9	2022-08-31 04:0...	10.9.0.11	10.9.0.99	ICMP	44	Echo (ping) request id=0x0000, seq=0/0, ttl=64 (no response ...
10	2022-08-31 04:0...	10.9.0.11	10.9.0.99	ICMP	44	Echo (ping) request id=0x0000, seq=0/0, ttl=64 (no response ...
11	2022-08-31 04:0...	10.9.0.11	10.9.0.99	ICMP	44	Echo (ping) request id=0x0000, seq=0/0, ttl=64 (no response ...
12	2022-08-31 04:0...	10.0.2.15	8.8.8.8	DNS	110	Standard query 0x66c7 AAAA connectivity-check.ubuntu.com.PESU...
13	2022-08-31 04:0...	10.0.2.15	192.168.3.5	DNS	91	Standard query 0x04f4 AAAA connectivity-check.ubuntu.com

Frame 1: 91 bytes on wire (728 bits), 91 bytes captured (728 bits) on interface any, id 0

- Linux cooked capture
- Internet Protocol Version 4, Src: 10.0.2.15, Dst: 192.168.3.5
- User Datagram Protocol, Src Port: 53628, Dst Port: 53
- Domain Name System (query)

0000 00 04 00 01 00 06 08 00 27 40 7a cf 00 00 08 00 ..... '@z...  
0010 45 00 00 4b 01 3e 40 00 40 11 69 a8 0a 00 02 0f E..K>@. @.i....  
0020 c0 a8 03 05 d1 7c 00 35 00 37 d0 04 04 f4 01 00 ....|.5.7.....  
0030 00 01 00 00 00 00 00 00 12 63 6f 6e 6e 65 63 74 .....connect  
0040 69 76 69 74 79 2d 63 68 65 63 6b 06 75 62 75 6e ivity-check:ubun  
0050 74 75 03 63 6f 6d 00 00 1c 00 01 .....tu.com:...

As you can that see sending packet to arbitrary address is we are unable to receive Echo reply packet. While we tried to send ICMP packet 3 times but no reply was found.



## Task 1.3:

## Traceroute

### Output

### Screenshot

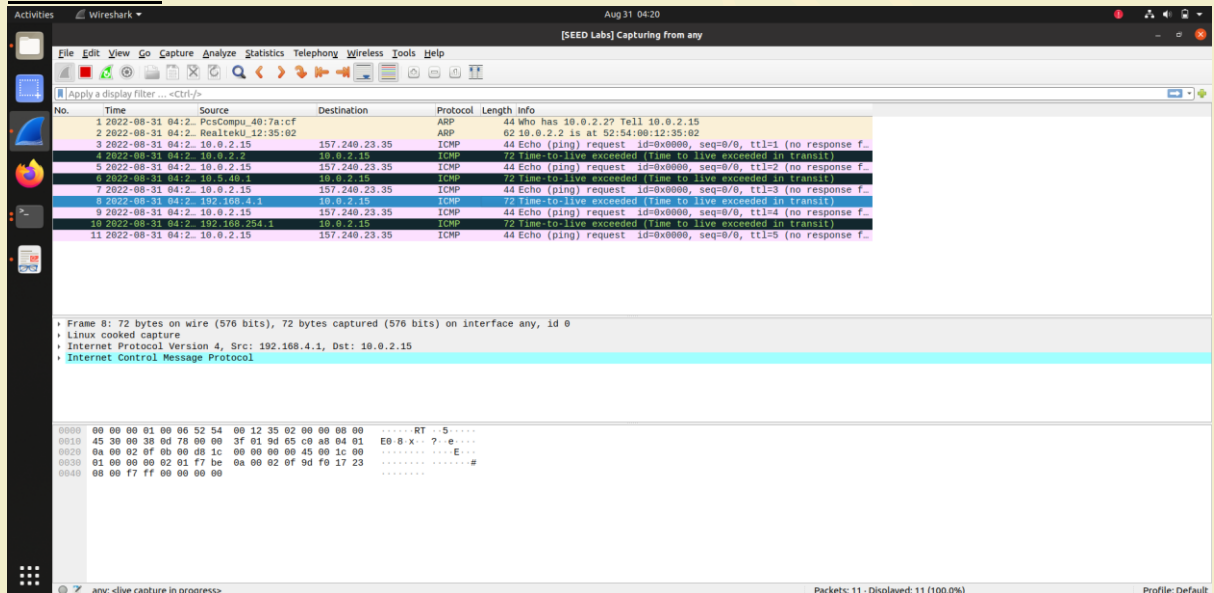
### On Attacker Terminal

```
seed@VM: ~/.../volumes
Seed-attacker:PES2UG20CS016:AdarshKumar$>python3 Task1.3.py 157.240.23.35
Traceroute 157.240.23.35
1 hops away: 10.0.2.2
2 hops away: 10.5.40.1
3 hops away: 192.168.4.1
4 hops away: 192.168.254.1
Seed-attacker:PES2UG20CS016:AdarshKumar$>
```

### Observation:

As you can see that when we try to trace the packet of IP 157.240.23.35 it went to 4 hops and then connection closed, possible cause might be that IP doesn't exist.

### Wireshark:



When we try to ping the destination of packet length 72 bytes time to live was exceeded that indicates that IP is currently not reachable.

## Task 1.4

## Sniffing and-then Spoofing

### Output

### Screenshot

### From Host A:

```
HostA:PES2UG20CS016:AdarshKumar/$>ls
bin boot dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys tmp usr var
HostA:PES2UG20CS016:AdarshKumar/$>ping 1.2.3.4
PING 1.2.3.4 (1.2.3.4) 56(84) bytes of data:
64 bytes from 1.2.3.4: icmp_seq=1 ttl=64 time=58.5 ms
64 bytes from 1.2.3.4: icmp_seq=2 ttl=64 time=25.4 ms
64 bytes from 1.2.3.4: icmp_seq=3 ttl=64 time=18.5 ms
64 bytes from 1.2.3.4: icmp_seq=4 ttl=64 time=16.5 ms
64 bytes from 1.2.3.4: icmp_seq=5 ttl=64 time=15.5 ms
64 bytes from 1.2.3.4: icmp_seq=6 ttl=64 time=19.6 ms
64 bytes from 1.2.3.4: icmp_seq=7 ttl=64 time=13.3 ms
64 bytes from 1.2.3.4: icmp_seq=8 ttl=64 time=23.3 ms
64 bytes from 1.2.3.4: icmp_seq=9 ttl=64 time=24.3 ms
64 bytes from 1.2.3.4: icmp_seq=10 ttl=64 time=16.5 ms
^C
--- 1.2.3.4 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9020ms
rtt min/avg/max/mdev = 13.326/23.155/58.509/12.381 ms
HostA:PES2UG20CS016:AdarshKumar/$>
```

Host-A trying to ping a non-existing IP address 1.2.3.4 and still getting response message. 10 packets transmitted and 10 packet received.

### On Attacker Terminal:

```
Attacker: PES2UG20CS016: AdarshKumar/$>python3 Task1.4.py
original packet.....
source IP : 10.9.0.5
Destination IP : 1.2.3.4
spoofed packet.....
Source IP: 1.2.3.4
Destination IP: 10.9.0.5
original packet.....
source IP : 10.9.0.5
Destination IP : 1.2.3.4
spoofed packet.....
Source IP: 1.2.3.4
Destination IP: 10.9.0.5
original packet.....
source IP : 10.9.0.5
Destination IP : 1.2.3.4
spoofed packet.....
Source IP: 1.2.3.4
Destination IP: 10.9.0.5
original packet.....
source IP : 10.9.0.5
Destination IP : 1.2.3.4
spoofed packet.....
Source IP: 1.2.3.4
Destination IP: 10.9.0.5
original packet.....
source IP : 10.9.0.5
Destination IP : 1.2.3.4
spoofed packet.....
Source IP: 1.2.3.4
Destination IP: 10.9.0.5
original packet.....
```

Observation:

When the Host-A try to ping some imaginary IP address our program sniff that packet and create an Echo-reply packet with the source address of that imaginary IP address and send back to host-A.

## Wireshark:

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

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

No.	Time	Source	Destination	Protocol	Length	Info
1	2022-08-31 05:31:10.9.0.0.5	10.9.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=1/256, ttl=64 (no response...)
2	2022-08-31 05:31:10.9.0.0.5	10.9.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=1/256, ttl=64 (reply in 9)
3	2022-08-31 05:31:10.0.0.2.15	10.0.0.2.15	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=1/256, ttl=63 (no response...)
4	2022-08-31 05:31:02:42:5f:56:72:c2	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.5? Tell 10.9.0.1
5	2022-08-31 05:31:02:42:5f:56:72:c2	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.5? Tell 10.9.0.1
6	2022-08-31 05:31:02:42:5f:56:72:c2	02:42:5f:56:72:c2		ARP	44	Who has 10.9.0.5? Tell 10.9.0.1
7	2022-08-31 05:31:02:42:0a:09:00:05	02:42:0a:09:00:05		ARP	44	10.9.0.5 is at 02:42:0a:09:00:05
8	2022-08-31 05:31:02:42:0a:09:00:05	02:42:0a:09:00:05		ARP	44	10.9.0.5 is at 02:42:0a:09:00:05
9	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=1/256, ttl=64 (request in...)
10	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=1/256, ttl=64
11	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=2/512, ttl=64 (no response...)
12	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=2/512, ttl=64 (reply in 1)
13	2022-08-31 05:31:10.0.0.2.15	10.0.0.2.15	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=2/512, ttl=63 (no response...)
14	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=2/512, ttl=64 (request in...)
15	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=2/512, ttl=64
16	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=3/768, ttl=64 (no response...)
17	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=3/768, ttl=64 (reply in 1)
18	2022-08-31 05:31:10.0.0.2.15	10.0.0.2.15	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=3/768, ttl=63 (no response...)
19	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=3/768, ttl=64 (request in...)
20	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=3/768, ttl=64
21	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=4/1024, ttl=64 (no response...)
22	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=4/1024, ttl=64 (reply in ...)
23	2022-08-31 05:31:10.0.0.2.15	10.0.0.2.15	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=4/1024, ttl=63 (no response...)
24	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=4/1024, ttl=64 (request i...)
25	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=4/1024, ttl=64
26	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=5/1280, ttl=64 (no response...)
27	2022-08-31 05:31:10.9.0.0.5	10.9.0.0.5	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=5/1280, ttl=64 (reply in ...)
28	2022-08-31 05:31:10.0.0.2.15	10.0.0.2.15	1.2.3.4	ICMP	100	Echo (ping) request id=0x0026, seq=5/1280, ttl=63 (no response...)
29	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=5/1280, ttl=64 (request i...)
30	2022-08-31 05:31:1.2.3.4	1.2.3.4	10.9.0.5	ICMP	100	Echo (ping) reply id=0x0026, seq=5/1280, ttl=64

Frame 12: 100 bytes on wire (800 bits), 100 bytes captured (800 bits) on interface any, id 0

- Linux cooked capture
- Internet Protocol Version 4, Src: 10.9.0.5, Dst: 1.2.3.4
- Internet Control Message Protocol

```

0000  00 00 00 01 
```

ICMP Echo request message was sent by the Source 10.9.0.5 to destination 1.2.3.4 even the destination doesn't exist but we can see that ICMP ECHO reply message is send from 1.2.3.4 to host-A which is clearly a spoofed packet.

THANKING YOU