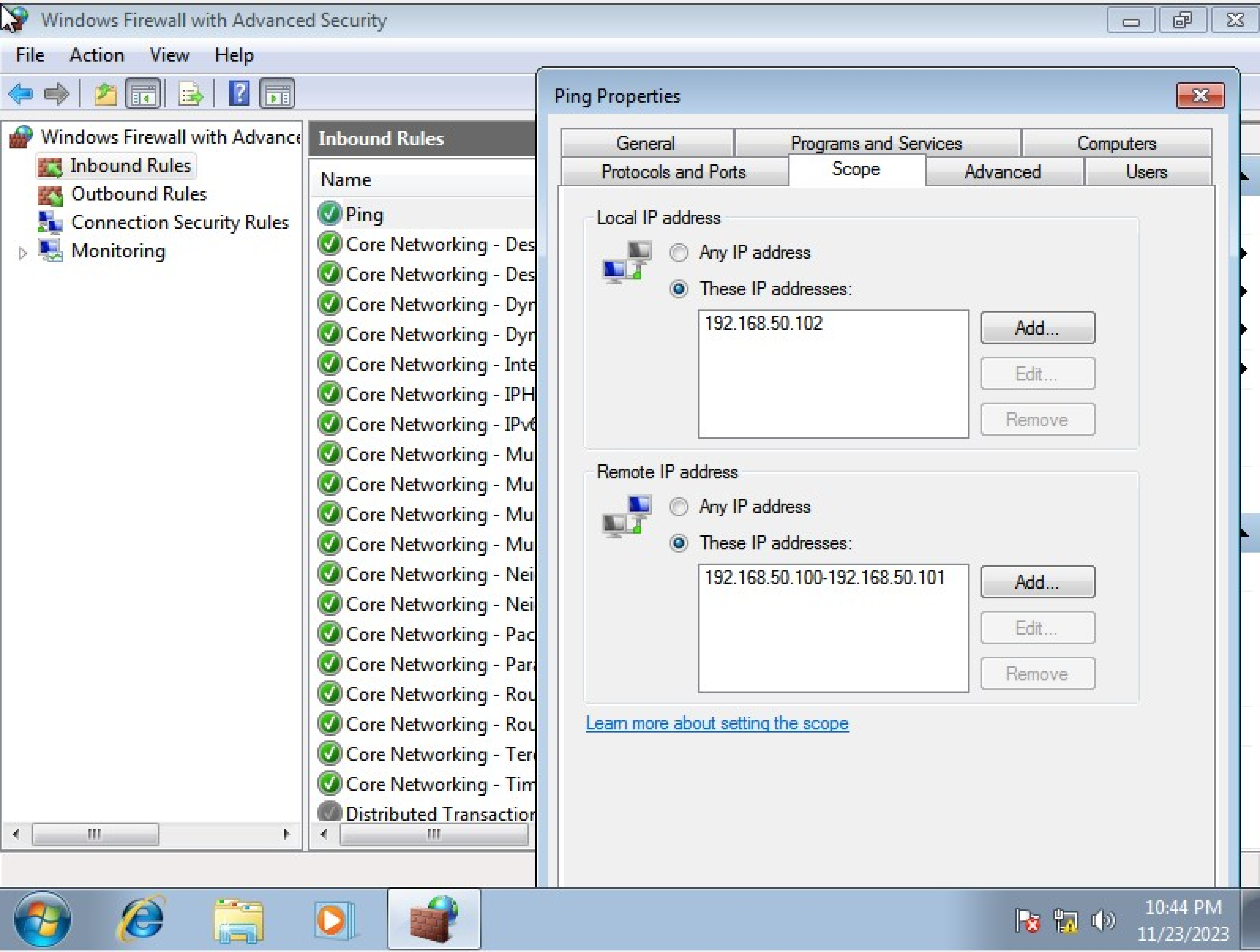


Inbound Rules

Name
- ✓ Ping
- ✓ Core Networking - Des
- ✓ Core Networking - Des
- ✓ Core Networking - Dyr
- ✓ Core Networking - Dyr
- ✓ Core Networking - Inte
- ✓ Core Networking - IPH
- ✓ Core Networking - IPv6
- ✓ Core Networking - Mu
- ✓ Core Networking - Mu
- ✓ Core Networking - Mu
- ✓ Core Networking - Mu
- ✓ Core Networking - Nei
- ✓ Core Networking - Nei
- ✓ Core Networking - Pac
- ✓ Core Networking - Para
- ✓ Core Networking - Rou
- ✓ Core Networking - Rou
- ✓ Core Networking - Ter
- ✓ Core Networking - Tim
- Distributed Transaction

Local IP address

○ Any IP address

● These IP addresses:

192.168.50.102

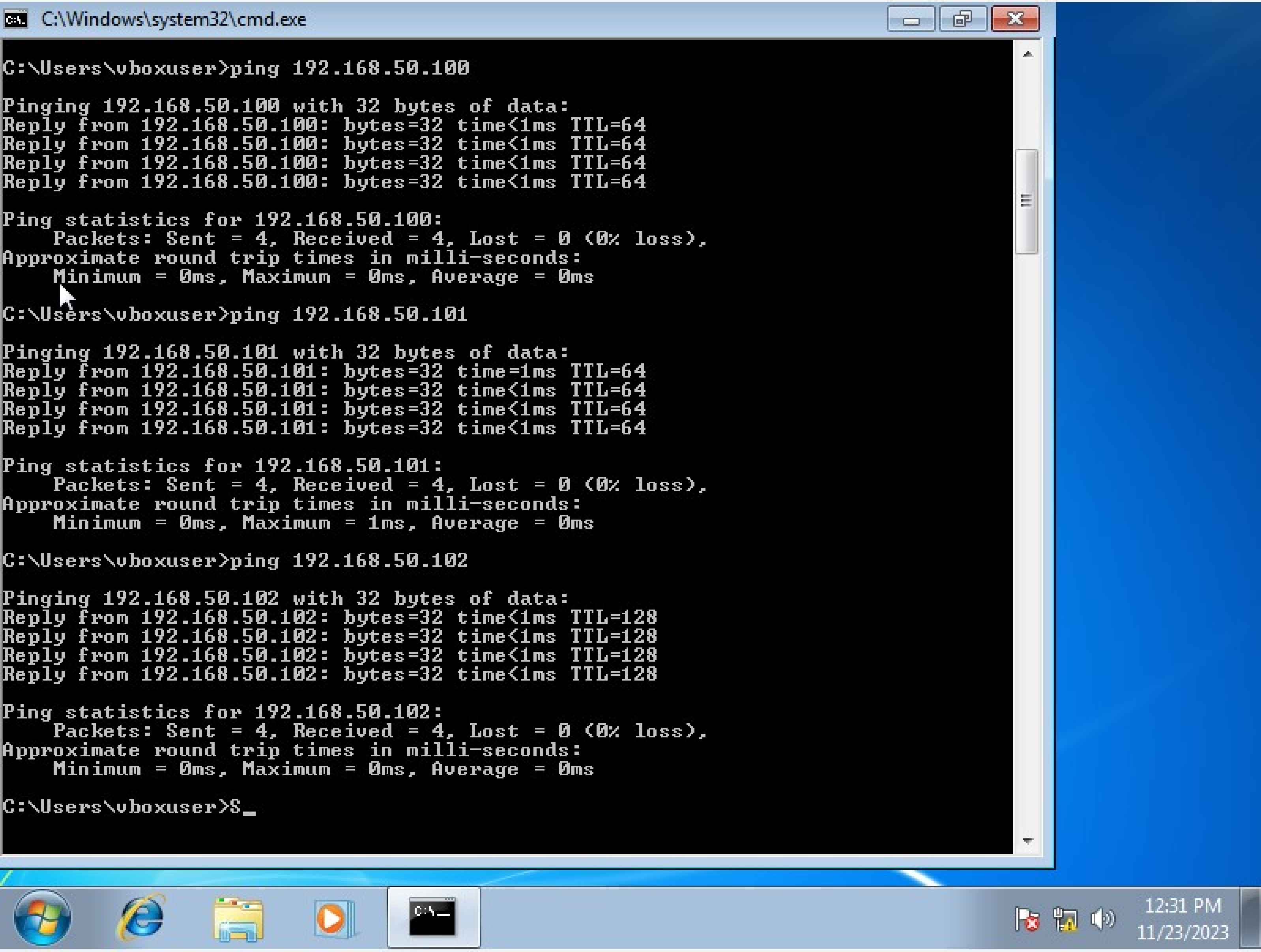
Remote IP address

○ Any IP address

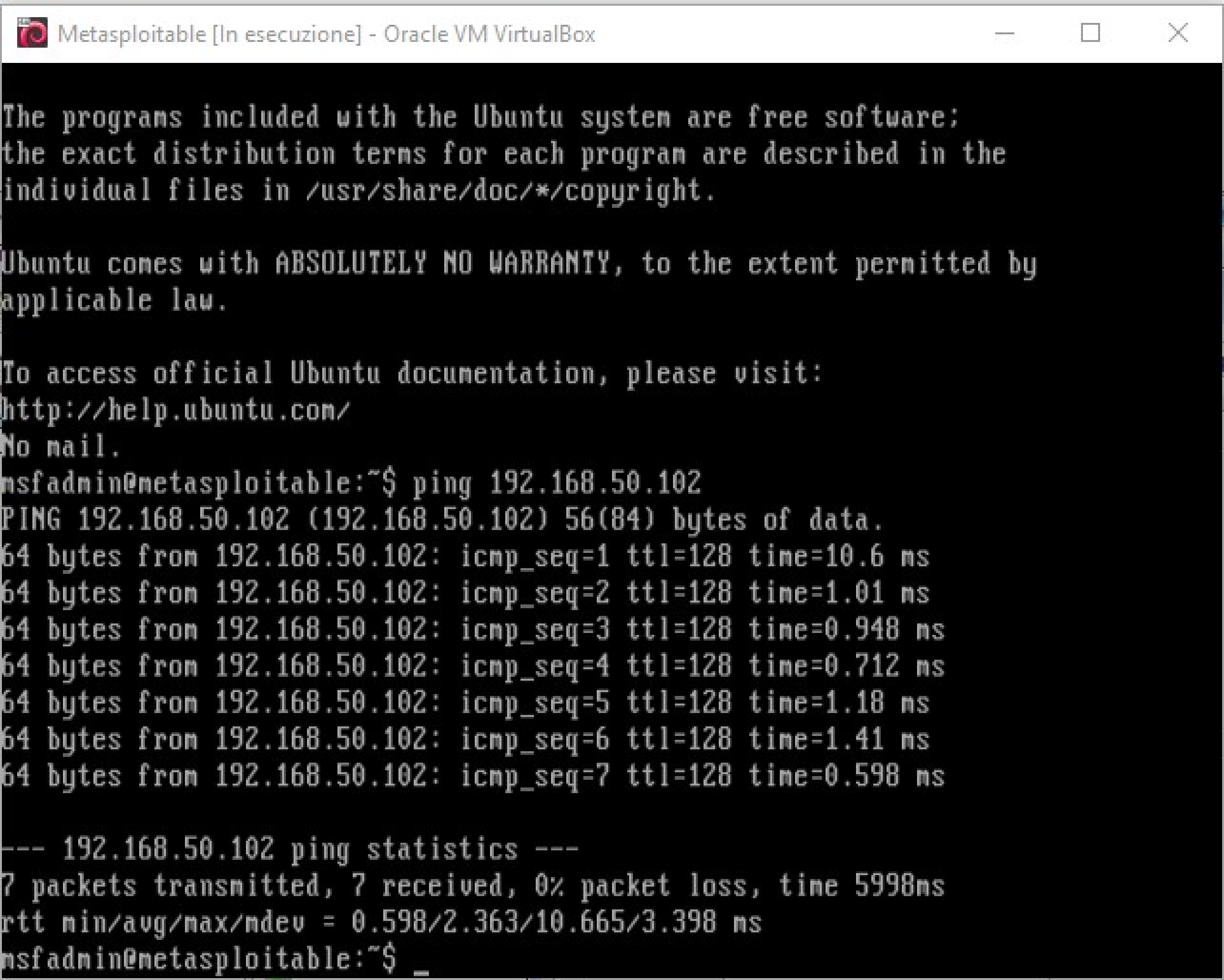
● These IP addresses:

192.168.50.100-192.168.50.101

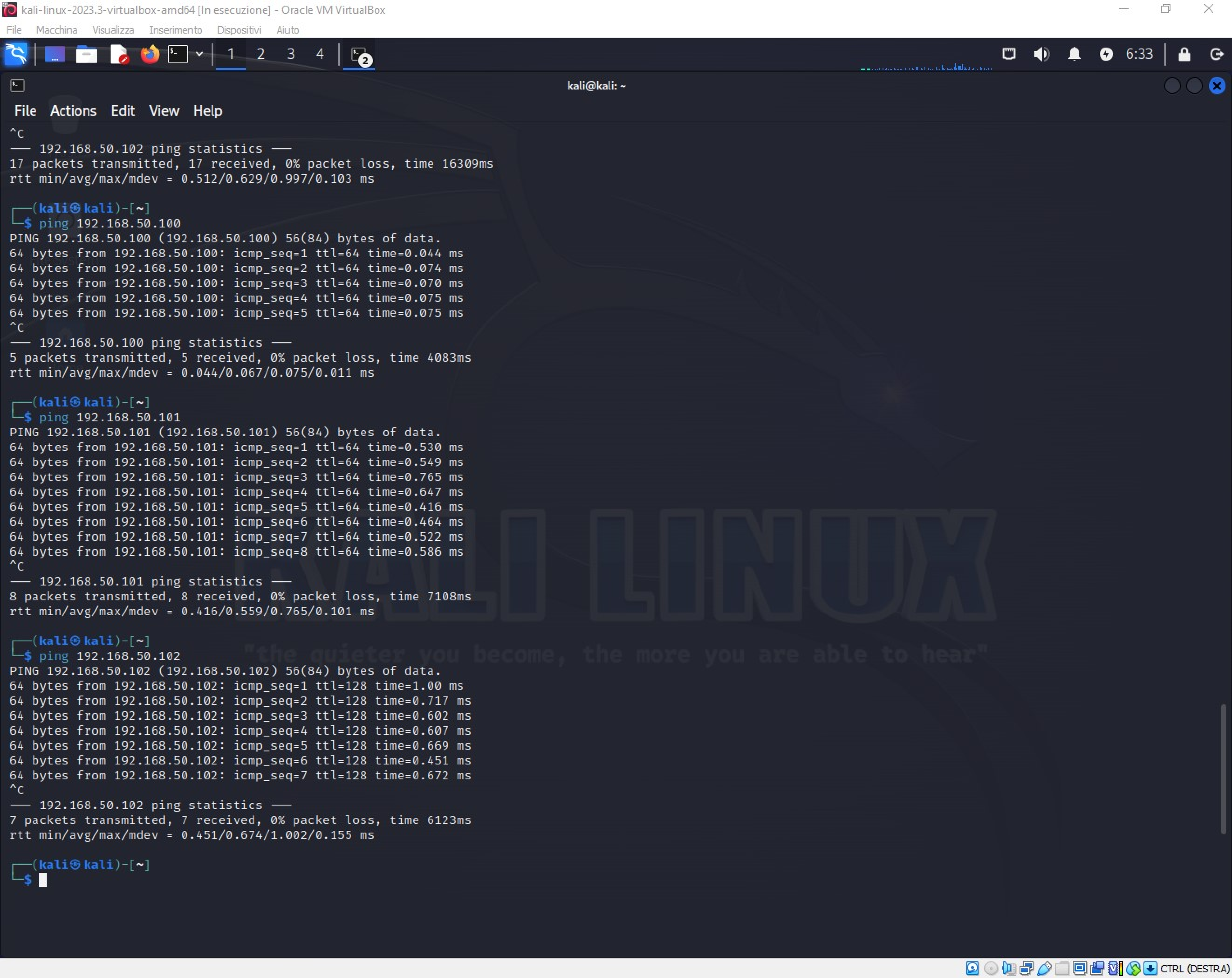
Learn more about setting the scope



```
C:\Users\vboxuser>ping 192.168.50.100

Pinging 192.168.50.100 with 32 bytes of data:
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.50.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\vboxuser>ping 192.168.50.101

Pinging 192.168.50.101 with 32 bytes of data:
Reply from 192.168.50.101: bytes=32 time=1ms TTL=64
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.50.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\vboxuser>ping 192.168.50.102

Pinging 192.168.50.102 with 32 bytes of data:
Reply from 192.168.50.102: bytes=32 time<1ms TTL=128
Reply from 192.168.50.102: bytes=32 time<1ms TTL=128
Reply from 192.168.50.102: bytes=32 time<1ms TTL=128
Reply from 192.168.50.102: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.50.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\vboxuser>S_
```

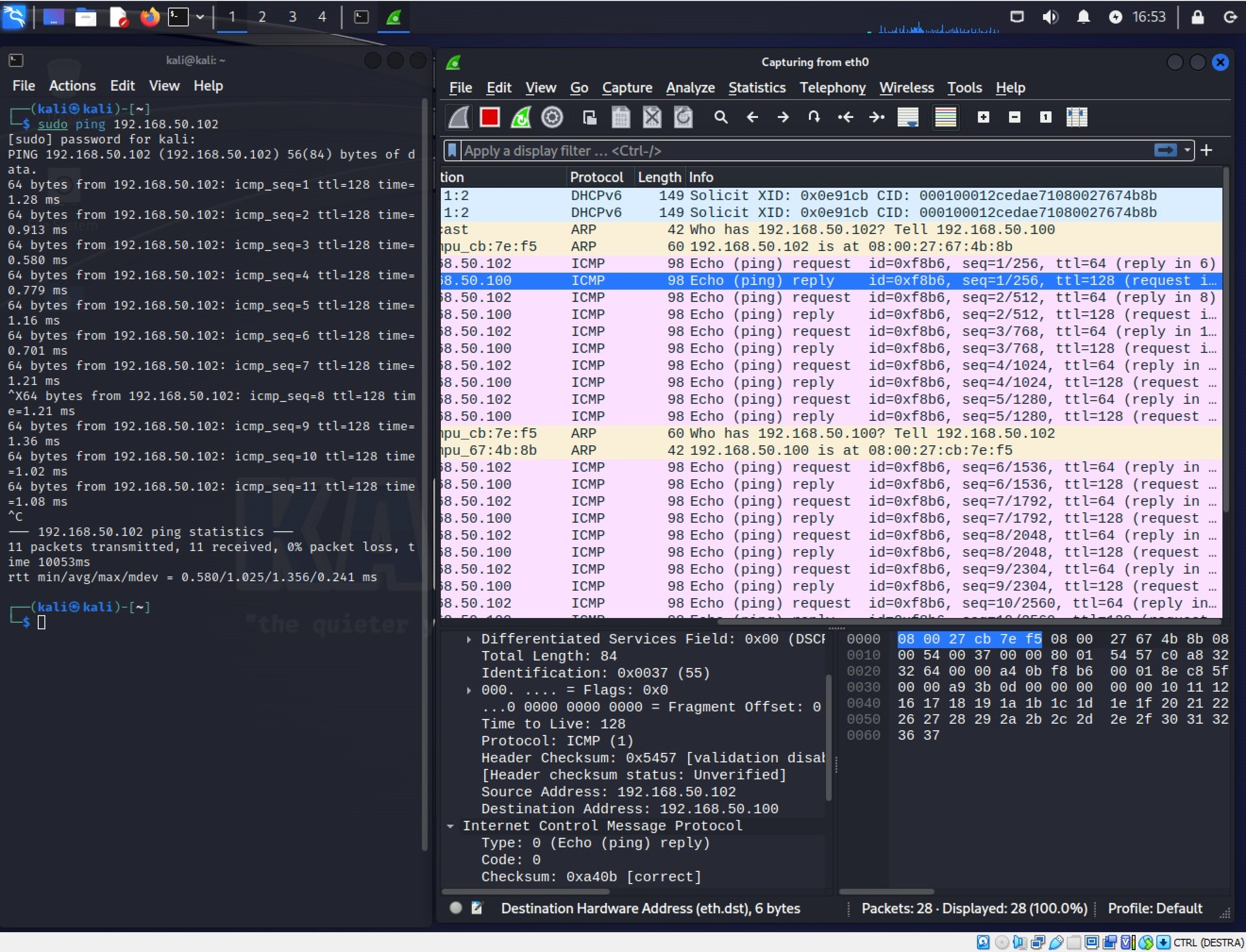


```
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

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

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:~$ ping 192.168.50.102
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.
64 bytes from 192.168.50.102: icmp_seq=1 ttl=128 time=10.6 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=1.01 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.948 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.712 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=1.18 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=1.41 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.598 ms

--- 192.168.50.102 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 5998ms
rtt min/avg/max/mdev = 0.598/2.363/10.665/3.398 ms
msfadmin@metasploitable:~$ _
```



kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
1 2 3 4
6:33
kali@kali: ~
File Actions Edit View Help
CTRL (DESTRA)

```
^C
─── 192.168.50.102 ping statistics ───
17 packets transmitted, 17 received, 0% packet loss, time 16309ms
rtt min/avg/max/mdev = 0.512/0.629/0.997/0.103 ms

┌──(kali㉿kali)-[~]
└─$ ping 192.168.50.100
PING 192.168.50.100 (192.168.50.100) 56(84) bytes of data.
64 bytes from 192.168.50.100: icmp_seq=1 ttl=64 time=0.044 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.074 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.070 ms
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.075 ms
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.075 ms
^C
─── 192.168.50.100 ping statistics ───
5 packets transmitted, 5 received, 0% packet loss, time 4083ms
rtt min/avg/max/mdev = 0.044/0.067/0.075/0.011 ms

┌──(kali㉿kali)-[~]
└─$ ping 192.168.50.101
PING 192.168.50.101 (192.168.50.101) 56(84) bytes of data.
64 bytes from 192.168.50.101: icmp_seq=1 ttl=64 time=0.530 ms
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=0.549 ms
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=0.765 ms
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=0.647 ms
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=0.416 ms
64 bytes from 192.168.50.101: icmp_seq=6 ttl=64 time=0.464 ms
64 bytes from 192.168.50.101: icmp_seq=7 ttl=64 time=0.522 ms
64 bytes from 192.168.50.101: icmp_seq=8 ttl=64 time=0.586 ms
^C
─── 192.168.50.101 ping statistics ───
8 packets transmitted, 8 received, 0% packet loss, time 7108ms
rtt min/avg/max/mdev = 0.416/0.559/0.765/0.101 ms

┌──(kali㉿kali)-[~]
└─$ ping 192.168.50.102
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.
64 bytes from 192.168.50.102: icmp_seq=1 ttl=128 time=1.00 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.717 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.602 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.607 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.669 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.451 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.672 ms
^C
─── 192.168.50.102 ping statistics ───
7 packets transmitted, 7 received, 0% packet loss, time 6123ms
rtt min/avg/max/mdev = 0.451/0.674/1.002/0.155 ms

┌──(kali㉿kali)-[~]
└─$ 
```


1 2 3 4
16:53
kali@kali: ~
File Actions Edit View Help
Capturing from eth0
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter … <Ctrl-/>
CTRL (DESTRA)

```
┌──(kali㉿kali)-[~]
└─$ sudo ping 192.168.50.102
[sudo] password for kali:
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of d
ata.
64 bytes from 192.168.50.102: icmp_seq=1 ttl=128 time=
1.28 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=
0.913 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=
0.580 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=
0.779 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=
1.16 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=
0.701 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=
1.21 ms
^X64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 tim
e=1.21 ms
64 bytes from 192.168.50.102: icmp_seq=9 ttl=128 time=
1.36 ms
64 bytes from 192.168.50.102: icmp_seq=10 ttl=128 time
=1.02 ms
64 bytes from 192.168.50.102: icmp_seq=11 ttl=128 time
=1.08 ms
^C
── 192.168.50.102 ping statistics ──
11 packets transmitted, 11 received, 0% packet loss, t
ime 10053ms
rtt min/avg/max/mdev = 0.580/1.025/1.356/0.241 ms

┌──(kali㉿kali)-[~]
└─$ 
```

```
tion          Protocol Length Info
1:2           DHCPv6     149 Solicit XID: 0x0e91cb CID: 000100012cedae7108002767 4b8b
1:2           DHCPv6     149 Solicit XID: 0x0e91cb CID: 000100012cedae7108002767 4b8b
ast           ARP         42 Who has 192.168.50.102? Tell 192.168.50.100
npu_cb:7e:f5  ARP         60 192.168.50.102 is at 08:00:27:67:4b:8b
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=1/256, ttl=64 (reply in 6)
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=1/256, ttl=128 (request i…
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=2/512, ttl=64 (reply in 8)
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=2/512, ttl=128 (request i…
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=3/768, ttl=64 (reply in 1…
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=3/768, ttl=128 (request i…
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=4/1024, ttl=64 (reply in …
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=4/1024, ttl=128 (request …
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=5/1280, ttl=64 (reply in …
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=5/1280, ttl=128 (request …
npu_cb:7e:f5  ARP         60 Who has 192.168.50.100? Tell 192.168.50.102
npu_67:4b:8b  ARP         42 192.168.50.100 is at 08:00:27:cb:7e:f5
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=6/1536, ttl=64 (reply in …
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=6/1536, ttl=128 (request …
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=7/1792, ttl=64 (reply in …
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=7/1792, ttl=128 (request …
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=8/2048, ttl=64 (reply in …
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=8/2048, ttl=128 (request …
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=9/2304, ttl=64 (reply in …
8.50.100      ICMP        98 Echo (ping) reply    id=0xf8b6, seq=9/2304, ttl=128 (request …
8.50.102      ICMP        98 Echo (ping) request  id=0xf8b6, seq=10/2560, ttl=64 (reply in…
```

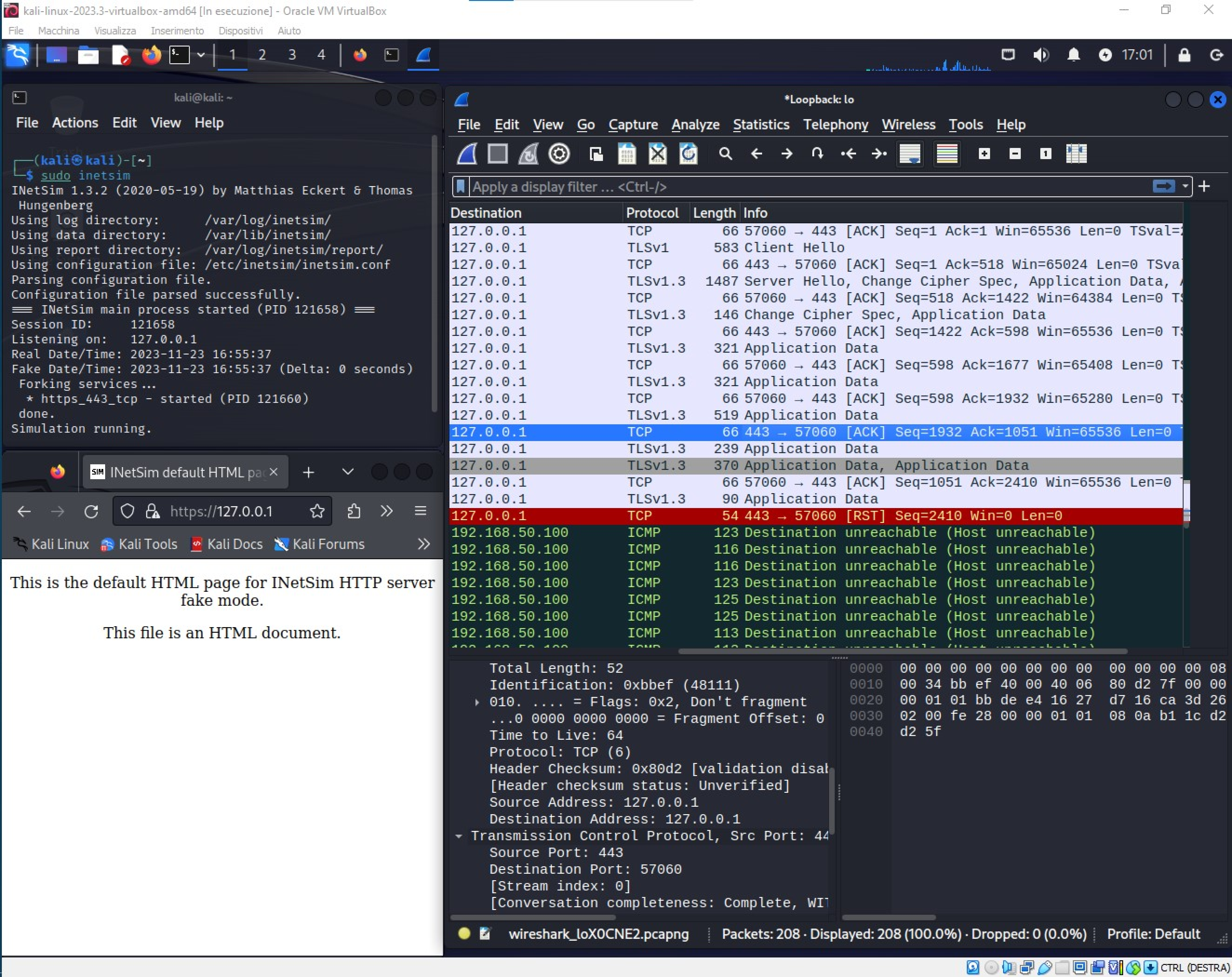
```
  › Differentiated Services Field: 0x00 (DSCF
    Total Length: 84
    Identification: 0x0037 (55)
  › 000. .... = Flags: 0x0
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: ICMP (1)
    Header Checksum: 0x5457 [validation disat
    [Header checksum status: Unverified]
    Source Address: 192.168.50.102
    Destination Address: 192.168.50.100
⌄ Internet Control Message Protocol
    Type: 0 (Echo (ping) reply)
    Code: 0
    Checksum: 0xa40b [correct]
```

```
0000  08 00 27 cb 7e f5 08 00  27 67 4b 8b 08
0010  00 54 00 37 00 00 80 01  54 57 c0 a8 32
0020  32 64 00 00 a4 0b f8 b6  00 01 8e c8 5f
0030  00 00 a9 3b 0d 00 00 00  00 00 10 11 12
0040  16 17 18 19 1a 1b 1c 1d  1e 1f 20 21 22
0050  26 27 28 29 2a 2b 2c 2d  2e 2f 30 31 32
0060  36 37
```

Destination Hardware Address (eth.dst), 6 bytes

Packets: 28 · Displayed: 28 (100.0%)

Profile: Default



kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
1 2 3 4
17:01
kali@kali: ~
File Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ sudo inetsim
INetSim 1.3.2 (2020-05-19) by Matthias Eckert & Thomas
 Hungenberg
Using log directory:      /var/log/inetsim/
Using data directory:     /var/lib/inetsim/
Using report directory:   /var/log/inetsim/report/
Using configuration file: /etc/inetsim/inetsim.conf
Parsing configuration file.
Configuration file parsed successfully.
═══ INetSim main process started (PID 121658) ═══
Session ID:     121658
Listening on:   127.0.0.1
Real Date/Time: 2023-11-23 16:55:37
Fake Date/Time: 2023-11-23 16:55:37 (Delta: 0 seconds)
 Forking services ...
  * https_443_tcp - started (PID 121660)
 done.
Simulation running.
```

This is the default HTML page for INetSim HTTP server fake mode.

This file is an HTML document.

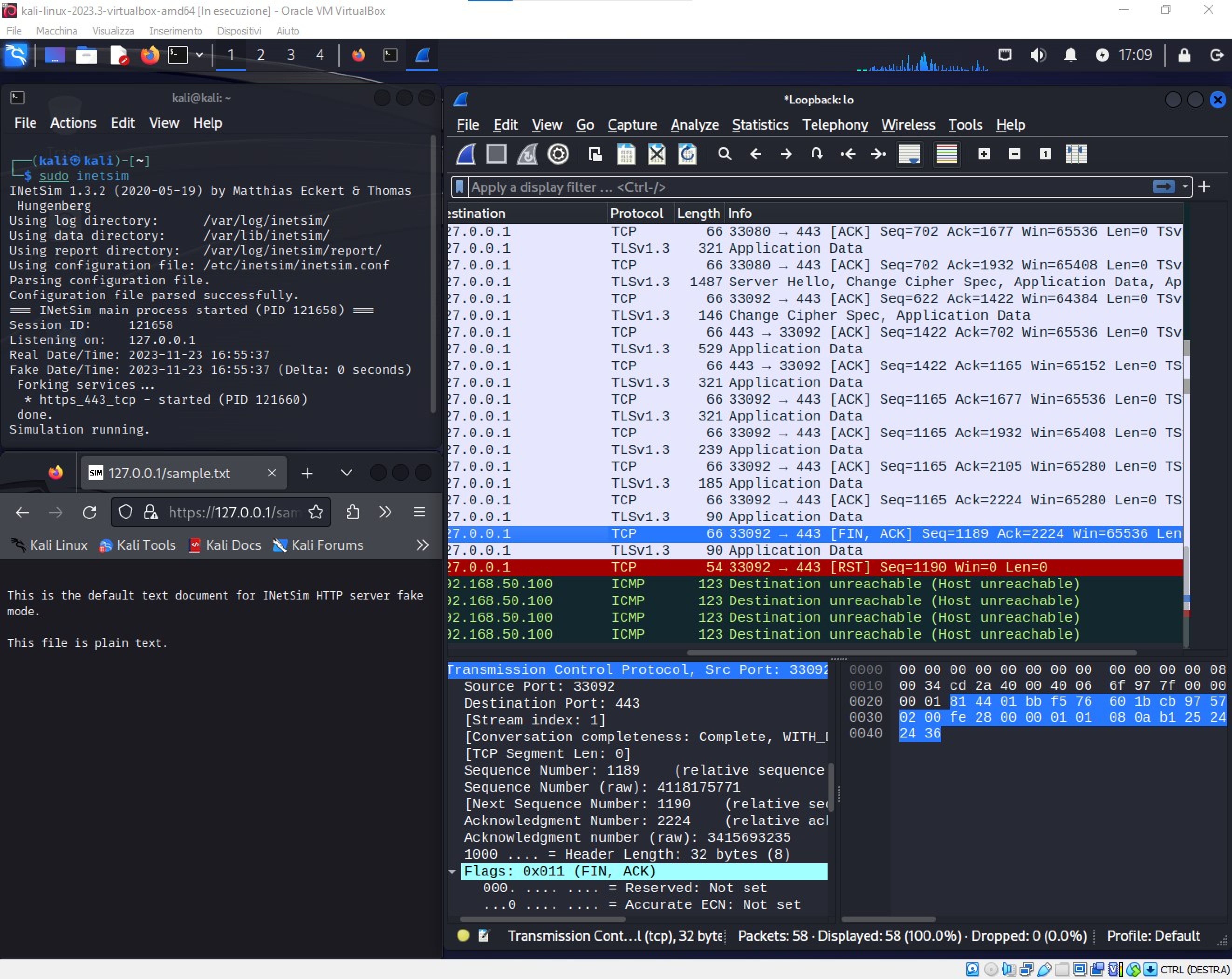
*Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter … <Ctrl-/>

```
Destination      Protocol  Length Info
127.0.0.1        TCP           66 57060 → 443 [ACK] Seq=1 Ack=1 Win=65536 Len=0 TSval=
127.0.0.1        TLSv1        583 Client Hello
127.0.0.1        TCP           66 443 → 57060 [ACK] Seq=1 Ack=518 Win=65024 Len=0 TSva
127.0.0.1        TLSv1.3     1487 Server Hello, Change Cipher Spec, Application Data, 
127.0.0.1        TCP           66 57060 → 443 [ACK] Seq=518 Ack=1422 Win=64384 Len=0 T
127.0.0.1        TLSv1.3      146 Change Cipher Spec, Application Data
127.0.0.1        TCP           66 443 → 57060 [ACK] Seq=1422 Ack=598 Win=65536 Len=0 T
127.0.0.1        TLSv1.3      321 Application Data
127.0.0.1        TCP           66 57060 → 443 [ACK] Seq=598 Ack=1677 Win=65408 Len=0 T
127.0.0.1        TLSv1.3      321 Application Data
127.0.0.1        TCP           66 57060 → 443 [ACK] Seq=598 Ack=1932 Win=65280 Len=0 T
127.0.0.1        TLSv1.3      519 Application Data
127.0.0.1        TCP           66 443 → 57060 [ACK] Seq=1932 Ack=1051 Win=65536 Len=0 
127.0.0.1        TLSv1.3      239 Application Data
127.0.0.1        TLSv1.3      370 Application Data, Application Data
127.0.0.1        TCP           66 57060 → 443 [ACK] Seq=1051 Ack=2410 Win=65536 Len=0 
127.0.0.1        TLSv1.3       90 Application Data
127.0.0.1        TCP           54 443 → 57060 [RST] Seq=2410 Win=0 Len=0
192.168.50.100   ICMP         123 Destination unreachable (Host unreachable)
192.168.50.100   ICMP         116 Destination unreachable (Host unreachable)
192.168.50.100   ICMP         116 Destination unreachable (Host unreachable)
192.168.50.100   ICMP         123 Destination unreachable (Host unreachable)
192.168.50.100   ICMP         125 Destination unreachable (Host unreachable)
192.168.50.100   ICMP         125 Destination unreachable (Host unreachable)
192.168.50.100   ICMP         113 Destination unreachable (Host unreachable)
```

```
    Total Length: 52
    Identification: 0xbbef (48111)
  › 010. .... = Flags: 0x2, Don't fragment
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 64
    Protocol: TCP (6)
    Header Checksum: 0x80d2 [validation disab
    [Header checksum status: Unverified]
    Source Address: 127.0.0.1
    Destination Address: 127.0.0.1
⌄ Transmission Control Protocol, Src Port: 44
    Source Port: 443
    Destination Port: 57060
    [Stream index: 0]
    [Conversation completeness: Complete, WIT
```

```
0000  00 00 00 00 00 00 00 00  00 00 00 00 08
0010  00 34 bb ef 40 00 40 06  80 d2 7f 00 00
0020  00 01 01 bb de e4 16 27  d7 16 ca 3d 26
0030  02 00 fe 28 00 00 01 01  08 0a b1 1c d2
0040  d2 5f
```

wireshark_loXOCNE2.pcapng | Packets: 208 · Displayed: 208 (100.0%) · Dropped: 0 (0.0%) | Profile: Default


kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
1 2 3 4
17:09
kali@kali: ~
File Actions Edit View Help
*Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter … <Ctrl-/>
127.0.0.1/sample.txt
https://127.0.0.1/sam
Kali Linux Kali Tools Kali Docs Kali Forums
CTRL (DESTRA)

```
┌──(kali㉿kali)-[~]
└─$ sudo inetsim
INetSim 1.3.2 (2020-05-19) by Matthias Eckert & Thomas
 Hungenberg
Using log directory:      /var/log/inetsim/
Using data directory:     /var/lib/inetsim/
Using report directory:   /var/log/inetsim/report/
Using configuration file: /etc/inetsim/inetsim.conf
Parsing configuration file.
Configuration file parsed successfully.
═══ INetSim main process started (PID 121658) ═══
Session ID:     121658
Listening on:   127.0.0.1
Real Date/Time: 2023-11-23 16:55:37
Fake Date/Time: 2023-11-23 16:55:37 (Delta: 0 seconds)
 Forking services ...
  * https_443_tcp - started (PID 121660)
 done.
Simulation running.
```

```
This is the default text document for INetSim HTTP server fake
mode.

This file is plain text.
```

```
estination        Protocol  Length Info
27.0.0.1          TCP           66 33080 → 443 [ACK] Seq=702 Ack=1677 Win=65536 Len=0 TSv
27.0.0.1          TLSv1.3      321 Application Data
27.0.0.1          TCP           66 33080 → 443 [ACK] Seq=702 Ack=1932 Win=65408 Len=0 TSv
27.0.0.1          TLSv1.3     1487 Server Hello, Change Cipher Spec, Application Data, Ap
27.0.0.1          TCP           66 33092 → 443 [ACK] Seq=622 Ack=1422 Win=64384 Len=0 TSv
27.0.0.1          TLSv1.3      146 Change Cipher Spec, Application Data
27.0.0.1          TCP           66 443 → 33092 [ACK] Seq=1422 Ack=702 Win=65536 Len=0 TSv
27.0.0.1          TLSv1.3      529 Application Data
27.0.0.1          TCP           66 443 → 33092 [ACK] Seq=1422 Ack=1165 Win=65152 Len=0 TS
27.0.0.1          TLSv1.3      321 Application Data
27.0.0.1          TCP           66 33092 → 443 [ACK] Seq=1165 Ack=1677 Win=65536 Len=0 TS
27.0.0.1          TLSv1.3      321 Application Data
27.0.0.1          TCP           66 33092 → 443 [ACK] Seq=1165 Ack=1932 Win=65408 Len=0 TS
27.0.0.1          TLSv1.3      239 Application Data
27.0.0.1          TCP           66 33092 → 443 [ACK] Seq=1165 Ack=2105 Win=65280 Len=0 TS
27.0.0.1          TLSv1.3      185 Application Data
27.0.0.1          TCP           66 33092 → 443 [ACK] Seq=1165 Ack=2224 Win=65280 Len=0 TS
27.0.0.1          TLSv1.3       90 Application Data
27.0.0.1          TCP           66 33092 → 443 [FIN, ACK] Seq=1189 Ack=2224 Win=65536 Len
27.0.0.1          TLSv1.3       90 Application Data
27.0.0.1          TCP           54 33092 → 443 [RST] Seq=1190 Win=0 Len=0
92.168.50.100     ICMP         123 Destination unreachable (Host unreachable)
92.168.50.100     ICMP         123 Destination unreachable (Host unreachable)
92.168.50.100     ICMP         123 Destination unreachable (Host unreachable)
92.168.50.100     ICMP         123 Destination unreachable (Host unreachable)
```

```
Transmission Control Protocol, Src Port: 33092
  Source Port: 33092
  Destination Port: 443
  [Stream index: 1]
  [Conversation completeness: Complete, WITH_I
  [TCP Segment Len: 0]
  Sequence Number: 1189    (relative sequence
  Sequence Number (raw): 4118175771
  [Next Sequence Number: 1190    (relative se
  Acknowledgment Number: 2224    (relative ack
  Acknowledgment number (raw): 3415693235
  1000 .... = Header Length: 32 bytes (8)
▾ Flags: 0x011 (FIN, ACK)
    000. .... .... = Reserved: Not set
    ...0 .... .... = Accurate ECN: Not set
```

```
0000  00 00 00 00 00 00 00 00  00 00 00 00 08
0010  00 34 cd 2a 40 00 40 06  6f 97 7f 00 00
0020  00 01 81 44 01 bb f5 76  60 1b cb 97 57
0030  02 00 fe 28 00 00 01 01  08 0a b1 25 24
0040  24 36
```

```
Transmission Cont…l (tcp), 32 byte   Packets: 58 · Displayed: 58 (100.0%) · Dropped: 0 (0.0%)   Profile: Default
```