

```
--- Startup Commands Log
++ ifconfig eth0 192.168.2.10 netmask 255.255.255.0 up
++ route add default gw 192.168.2.1 dev eth0
--- End Startup Commands Log
root@c1:/# ping 192.168.2.20
PING 192.168.2.20 (192.168.2.20) 56(84) bytes of data.
64 bytes from 192.168.2.20: icmp_seq=1 ttl=64 time=0.056 ms
64 bytes from 192.168.2.20: icmp_seq=2 ttl=64 time=0.085 ms
64 bytes from 192.168.2.20: icmp_seq=3 ttl=64 time=0.085 ms
64 bytes from 192.168.2.20: icmp_seq=4 ttl=64 time=0.078 ms
^C
--- 192.168.2.20 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3158ms
rtt min/avg/max/mdev = 0.056/0.076/0.085/0.011 ms
root@c1:/# ping 172.16.2.40
PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.
From 192.168.2.1 icmp_seq=1 Destination Net Unreachable
From 192.168.2.1 icmp_seq=2 Destination Net Unreachable
From 192.168.2.1 icmp_seq=3 Destination Net Unreachable
From 192.168.2.1 icmp_seq=4 Destination Net Unreachable
From 192.168.2.1 icmp_seq=5 Destination Net Unreachable
From 192.168.2.1 icmp_seq=6 Destination Net Unreachable
^C
--- 172.16.2.40 ping statistics ---
6 packets transmitted, 0 received, +6 errors, 100% packet loss, time 5236ms

root@c1:/# ping 172.16.2.40
PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.
From 192.168.2.1 icmp_seq=1 Destination Net Unreachable
From 192.168.2.1 icmp_seq=2 Destination Net Unreachable
From 192.168.2.1 icmp_seq=3 Destination Net Unreachable
From 192.168.2.1 icmp_seq=4 Destination Net Unreachable
^C
--- 172.16.2.40 ping statistics ---
4 packets transmitted, 0 received, +4 errors, 100% packet loss, time 3124ms

root@c1:/# ping 172.16.2.40
```

```
08:36:57.075678 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:36:58.115576 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 75, length 64
08:36:58.115597 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 75, length 64
08:36:58.115608 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:36:59.155628 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 76, length 64
08:36:59.155655 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 76, length 64
08:36:59.155669 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:37:00.195638 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 77, length 64
08:37:00.195668 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 77, length 64
08:37:00.195683 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:37:01.235638 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 78, length 64
08:37:01.235668 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 78, length 64
08:37:01.235682 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:37:02.275671 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 79, length 64
08:37:02.275703 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 79, length 64
08:37:02.275718 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
^C
```

281 packets captured

281 packets received by filter

0 packets dropped by kernel

root@r3:/# route

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.20.2.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
172.16.2.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1

root@r3:/# route add default gw 10.20.2.1

root@r3:/# route

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
default	10.20.2.1	0.0.0.0	UG	0	0	0	eth0
10.20.2.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
172.16.2.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1

root@r3:/#

--- Startup Commands Log

++ ifconfig eth0 192.168.2.30 netmask 255.255.255.0 up

++ route add default gw 192.168.2.1 dev eth0

--- End Startup Commands Log

root@c3:/# ping 172.16.2.40

PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.

64 bytes from 172.16.2.40: icmp_seq=1 ttl=61 time=0.074 ms

64 bytes from 172.16.2.40: icmp_seq=2 ttl=61 time=0.143 ms

64 bytes from 172.16.2.40: icmp_seq=3 ttl=61 time=0.146 ms

^C

--- 172.16.2.40 ping statistics ---

3 packets transmitted, 3 received, 0% packet loss, time 2099ms

rtt min/avg/max/mdev = 0.074/0.121/0.146/0.033 ms

root@c3:/#

```
08:38:56.658413 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 189, length 64
08:38:56.658427 IP 10.20.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:38:57.698302 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 190, length 64
08:38:57.698350 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 190, length 64
08:38:57.698364 IP 10.20.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:38:58.738452 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 191, length 64
08:38:58.738499 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 191, length 64
08:38:58.738514 IP 10.20.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:38:59.778376 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 192, length 64
08:38:59.778423 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 192, length 64
08:38:59.778437 IP 10.20.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
08:39:00.818296 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 193, length 64
08:39:00.818343 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 9, seq 193, length 64
08:39:00.818358 IP 10.20.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92
^C
```

```
23 packets captured
23 packets received by filter
0 packets dropped by kernel
```

```
root@r2:/# tcpdump -i eth1
```

```
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
```

```
listening on eth1, link-type EN10MB (Ethernet), snapshot length 262144 bytes
```

```
08:39:33.058538 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 224, length 64
08:39:34.098366 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 225, length 64
08:39:35.138535 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 226, length 64
08:39:36.188529 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 227, length 64
08:39:37.218552 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 228, length 64
08:39:38.258543 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 229, length 64
```

```
^C
6 packets captured
6 packets received by filter
0 packets dropped by kernel
```

```
root@r2:/# route add -net 192.168.2.0/24 gw 10.10.2.1
```

```
root@r2:/#
```

```

--- Startup Commands Log
++ ifconfig eth0 10.20.2.1 netmask 255.255.255.0
++ ifconfig eth1 10.10.2.2 netmask 255.255.255.0
--- End Startup Commands Log
root@r2:/# tcpdump -i eth1
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on eth1, link-type EN10MB (Ethernet), snapshot length 262144 bytes
^C
0 packets captured
0 packets received by filter
0 packets dropped by kernel
root@r2:/# tcpdump -i eth0
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
^C
0 packets captured
0 packets received by filter
0 packets dropped by kernel
root@r2:/# tcpdump -i eth0
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
^C
0 packets captured
0 packets received by filter
0 packets dropped by kernel
root@r2:/# route add -net 172.16.2.0/24 gw 10.20.2.2
root@r2:/# route
Kernel IP routing table

```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.2.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1
10.20.2.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
172.16.2.0	10.20.2.2	255.255.255.0	UG	0	0	0	eth0

```

root@r2:/# tcpdump -i eth0
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
^C
0 packets captured

```


--- Startup Commands Log

++ ifconfig eth0 10.20.2.2 netmask 255.255.255.0

++ ifconfig eth1 172.16.2.1 netmask 255.255.255.0

--- End Startup Commands Log

root@r3:/# tcpdump -i eth0

tcpdump: verbose output suppressed, use -v[v]... for full protocol decode

listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes

^C

0 packets captured

0 packets received by filter

0 packets dropped by kernel

root@r3:/# tcpdump -i eth1

tcpdump: verbose output suppressed, use -v[v]... for full protocol decode

listening on eth1, link-type EN10MB (Ethernet), snapshot length 262144 bytes

08:35:22.620420 ARP, Request who-has 172.16.2.40 tell 172.16.2.1, length 28

08:35:22.620427 ARP, Reply 172.16.2.40 is-at 3a:c8:6f:56:e6:ec (oui Unknown), length 28

08:35:22.620428 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 1, length 64

08:35:22.620438 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 8, seq 1, length 64

08:35:22.620444 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92

08:35:23.635829 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 2, length 64

08:35:23.635856 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 8, seq 2, length 64

08:35:23.635870 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92

08:35:24.675771 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 3, length 64

08:35:24.675797 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 8, seq 3, length 64

08:35:24.675811 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92

08:35:25.715855 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 4, length 64

08:35:25.715882 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 8, seq 4, length 64

08:35:25.715895 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92

08:35:26.755779 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 5, length 64

08:35:26.755805 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 8, seq 5, length 64

08:35:26.755819 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92

08:35:27.635680 ARP, Request who-has 172.16.2.1 tell 172.16.2.40, length 28

08:35:27.635701 ARP, Reply 172.16.2.1 is-at ae:e8:ac:92:14:a8 (oui Unknown), length 28

08:35:27.795769 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 6, length 64

08:35:27.795796 IP 172.16.2.40 > 192.168.2.10: ICMP echo reply, id 8, seq 6, length 64

08:35:27.795811 IP 172.16.2.1 > 172.16.2.40: ICMP net 192.168.2.10 unreachable, length 92

08:35:28.835784 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 7, length 64

```

--- Startup Commands Log
++ ifconfig eth0 192.168.2.1 netmask 255.255.255.0
++ ifconfig eth1 10.10.2.1 netmask 255.255.255.0
--- End Startup Commands Log
root@r1:/# route add default gw 10.10.2.2
Usage: route [-nNvee] [-FC] [<AF>]          List kernel routing tables
        route [-v] [-FC] {add|del|flush} ... Modify routing table for AF.

        route {-h|--help} [<AF>]           Detailed usage syntax for specified AF.
        route {-V|--version}              Display version/author and exit.

        -v, --verbose                      be verbose
        -n, --numeric                      don't resolve names
        -e, --extend                      display other/more information
        -F, --fib                          display Forwarding Information Base (default)
        -C, --cache                       display routing cache instead of FIB

<AF>=Use -4, -6, '-A <af>' or '--<af>'; default: inet
List of possible address families (which support routing):
  inet (DARPA Internet) inet6 (IPv6) ax25 (AMPR AX.25)
  netrom (AMPR NET/ROM) rose (AMPR ROSE) ipx (Novell IPX)
  ddp (Appletalk DDP) x25 (CCITT X.25)

```

```

root@r1:/# route
Kernel IP routing table
Destination      Gateway          Genmask          Flags Metric Ref    Use Iface
10.10.2.0        0.0.0.0          255.255.255.0    U        0      0        0 eth1
192.168.2.0      0.0.0.0          255.255.255.0    U        0      0        0 eth0
root@r1:/# route add default gw 10.10.2.2
root@r1:/# route
Kernel IP routing table
Destination      Gateway          Genmask          Flags Metric Ref    Use Iface
default          10.10.2.2        0.0.0.0          UG        0      0        0 eth1
10.10.2.0        0.0.0.0          255.255.255.0    U        0      0        0 eth1
192.168.2.0      0.0.0.0          255.255.255.0    U        0      0        0 eth0
root@r1:/#

```

--- Startup Commands Log

++ ifconfig eth0 172.16.2.40 netmask 255.255.255.0 up

++ route add default gw 172.16.2.1 dev eth0

--- End Startup Commands Log

root@c4:/# ping 192.168.2.10

PING 192.168.2.10 (192.168.2.10) 56(84) bytes of data.

64 bytes from 192.168.2.10: icmp_seq=1 ttl=61 time=0.081 ms

64 bytes from 192.168.2.10: icmp_seq=2 ttl=61 time=0.147 ms

64 bytes from 192.168.2.10: icmp_seq=3 ttl=61 time=0.147 ms

^C

--- 192.168.2.10 ping statistics ---

3 packets transmitted, 3 received, 0% packet loss, time 2044ms

rtt min/avg/max/mdev = 0.081/0.125/0.147/0.031 ms

root@c4:/#


```
08:35:26.755737 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 5, length 64
08:35:27.635686 ARP, Request who-has 192.168.2.1 tell 192.168.2.10, length 28
08:35:27.635717 ARP, Reply 192.168.2.1 is-at 92:19:87:b8:c1:e0 (oui Unknown), length 28
08:35:27.795727 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 6, length 64
08:35:28.835743 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 7, length 64
08:35:29.875807 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 8, length 64
08:35:30.915724 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 8, seq 9, length 64
08:35:41.188139 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 1, length 64
08:35:42.195741 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 2, length 64
08:35:43.235648 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 3, length 64
08:35:44.275569 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 4, length 64
08:35:45.325807 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 5, length 64
08:35:46.365865 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 6, length 64
08:35:47.395988 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 7, length 64
08:35:48.435732 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 8, length 64
08:35:49.475690 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 9, seq 9, length 64
```

^C

42 packets captured

42 packets received by filter

0 packets dropped by kernel

root@c2:/# ^C

root@c2:/# ping 172.16.2.40

PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.

64 bytes from 172.16.2.40: icmp_seq=1 ttl=61 time=0.111 ms

64 bytes from 172.16.2.40: icmp_seq=2 ttl=61 time=0.154 ms

64 bytes from 172.16.2.40: icmp_seq=3 ttl=61 time=0.144 ms

64 bytes from 172.16.2.40: icmp_seq=4 ttl=61 time=0.145 ms

64 bytes from 172.16.2.40: icmp_seq=5 ttl=61 time=0.147 ms

^C

--- 172.16.2.40 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4156ms

rtt min/avg/max/mdev = 0.111/0.140/0.154/0.015 ms

root@c2:/#

Directory: C:\Users\ADMIN\lab3

de	LastWriteTime		Length	Name
----	-----	-----	-----	----
-----	12-10-2023	14:35		c1
-----	12-10-2023	14:35		c2
-----	12-10-2023	14:35		c3
-----	12-10-2023	14:35		c4
-----	12-10-2023	14:35		r1
-----	12-10-2023	14:35		r2
-----	12-10-2023	14:36		r3
-----	12-10-2023	14:54		shared
-----	12-10-2023	14:52	94	c1.startup
-----	12-10-2023	14:53	94	c2.startup
-----	12-10-2023	14:53	94	c3.startup
-----	12-10-2023	14:52	92	c4.startup
-----	12-10-2023	14:38	88	lab.conf
-----	12-10-2023	14:44	94	r1.startup
-----	12-10-2023	14:49	92	r2.startup
-----	12-10-2023	14:50	93	r3.startup

```
C:\Users\ADMIN\lab3> kathara lstart
INFO - ===== Starting Network Scenario =====
Deploying collision domains...|#####| 4/4
CRITICAL - (MachineAlreadyExistsError) Device with name `c2` already exists.
C:\Users\ADMIN\lab3> kathara lclean
INFO - ===== Stopping Network Scenario =====
Deleting devices...|#####| 7/7
Deleting collision domains...|#####| 4/4
C:\Users\ADMIN\lab3> kathara lstart
INFO - ===== Starting Network Scenario =====
Deploying collision domains...|#####| 4/4
Deploying devices...|#####| 7/7
C:\Users\ADMIN\lab3>
```

``` --- Startup Commands Log ```

```
++ ifconfig eth0 192.168.2.20 netmask 255.255.255.0 up
```

```
++ route add default gw 192.168.2.1 dev eth0
```

``` --- End Startup Commands Log ```

```
root@c2:/# tcpdump -i eth0
```

```
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
```

```
listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
```

```
08:27:54.277023 IP6 fe80::3c2e:79ff:feb8:c8ff > ff02::2: ICMP6, router solicitation, length 16
```

```
08:27:58.452176 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 4, seq 1, length 64
```

```
08:27:58.452190 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:27:59.477048 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 4, seq 2, length 64
```

```
08:27:59.477098 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:28:00.516976 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 4, seq 3, length 64
```

```
08:28:00.517026 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:28:01.557051 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 4, seq 4, length 64
```

```
08:28:01.557103 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:28:02.597053 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 4, seq 5, length 64
```

```
08:28:02.597104 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:28:03.477021 ARP, Request who-has 192.168.2.10 tell 192.168.2.1, length 28
```

```
08:28:03.477024 ARP, Request who-has 192.168.2.1 tell 192.168.2.10, length 28
```

```
08:28:03.477046 ARP, Reply 192.168.2.10 is-at ea:bf:01:b6:85:a3 (oui Unknown), length 28
```

```
08:28:03.477050 ARP, Reply 192.168.2.1 is-at 92:19:87:b8:c1:e0 (oui Unknown), length 28
```

```
08:28:03.637060 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 4, seq 6, length 64
```

```
08:28:03.637111 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
^C
```

```
17 packets captured
```

```
17 packets received by filter
```

```
0 packets dropped by kernel
```

```
root@c2:/# tcpdump -i eth0
```

```
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
```

```
listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
```

```
08:32:41.419209 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 7, seq 1, length 64
```

```
08:32:41.419223 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:32:42.435739 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 7, seq 2, length 64
```

```
08:32:42.435765 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

```
08:32:43.475711 IP 192.168.2.10 > 172.16.2.40: ICMP echo request, id 7, seq 3, length 64
```

```
08:32:43.475731 IP 192.168.2.1 > 192.168.2.10: ICMP net 172.16.2.40 unreachable, length 92
```

l: / # pi

72.16.2

72.16.2

```
root@c1:/# ping 172.16.2.40
PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.
From 192.168.2.1 icmp_seq=1 Destination Net Unreachable
From 192.168.2.1 icmp_seq=2 Destination Net Unreachable
From 192.168.2.1 icmp_seq=3 Destination Net Unreachable
From 192.168.2.1 icmp_seq=4 Destination Net Unreachable
From 192.168.2.1 icmp_seq=5 Destination Net Unreachable
From 192.168.2.1 icmp_seq=6 Destination Net Unreachable
From 192.168.2.1 icmp_seq=7 Destination Net Unreachable
From 192.168.2.1 icmp_seq=8 Destination Net Unreachable
From 192.168.2.1 icmp_seq=9 Destination Net Unreachable
^C
--- 172.16.2.40 ping statistics ---
9 packets transmitted, 0 received, 100% packet loss, time 8297ms
```

```
root@c1:/# ping 172.16.2.40
PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.
^C
--- 172.16.2.40 ping statistics ---
9 packets transmitted, 0 received, 100% packet loss, time 8295ms
```

```
root@c1:/# ping 172.16.2.40
PING 172.16.2.40 (172.16.2.40) 56(84) bytes of data.
64 bytes from 172.16.2.40: icmp_seq=334 ttl=61 time=0.147 ms
64 bytes from 172.16.2.40: icmp_seq=335 ttl=61 time=0.142 ms
64 bytes from 172.16.2.40: icmp_seq=336 ttl=61 time=0.050 ms
64 bytes from 172.16.2.40: icmp_seq=337 ttl=61 time=0.140 ms
64 bytes from 172.16.2.40: icmp_seq=338 ttl=61 time=0.144 ms
64 bytes from 172.16.2.40: icmp_seq=339 ttl=61 time=0.072 ms
64 bytes from 172.16.2.40: icmp_seq=340 ttl=61 time=0.052 ms
^C
--- 172.16.2.40 ping statistics ---
340 packets transmitted, 7 received, 97.9412% packet loss, time 352509msrtt min/avg/max/mdev = 0.050/0.106/0.147/0.042 ms
root@c1:/#
```