```
Session  Actions  Edit  View  Help

┌──(kali㊦kali)-[~]
└─$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group def
ault qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP g
roup default qlen 1000
    link/ether 08:00:27:1f:b7:23 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute eth0
       valid_lft 85807sec preferred_lft 85807sec
    inet6 fd17:625c:f037:2:8778:18e5:9f16:42b6/64 scope global dynamic nopref
ixroute
       valid_lft 86055sec preferred_lft 14055sec
    inet6 fe80::2586:3a34:f38d:2d8d/64 scope link noprefixroute
       valid_lft forever preferred_lft forever

┌──(kali㊦kali)-[~]
└─$ nmap 10.0.2.15-20
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:38 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000030s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 6 IP addresses (1 host up) scanned in 4.36 seconds

┌──(kali㊦kali)-[~]
└─
```

Session Actions Edit View Help

```
┌──(kali㊀kali)-[~]
└─$ nmap
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:38 EDT
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.02 seconds

┌──(kali㊀kali)-[~]
└─$ 10.0.2.15/24
zsh: no such file or directory: 10.0.2.15/24

┌──(kali㊀kali)-[~]
└─$ nmap 10.0.2.15/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:39 EDT
Nmap scan report for 10.0.2.2
Host is up (0.0050s latency).
Not shown: 995 filtered tcp ports (no-response)
PORT       STATE SERVICE
135/tcp    open  msrpc
445/tcp    open  microsoft-ds
1935/tcp   open  rtmp
9080/tcp   open  glrpc
49152/tcp open  unknown
MAC Address: 52:55:0A:00:02:02 (Unknown)

Nmap scan report for 10.0.2.3
Host is up (0.0050s latency).
Not shown: 999 filtered tcp ports (net-unreach)
PORT    STATE SERVICE
53/tcp open  domain
MAC Address: 52:55:0A:00:02:03 (Unknown)
```

```
└─$ nmap 10.0.2.15/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:39 EDT
Nmap scan report for 10.0.2.2
Host is up (0.0050s latency).
Not shown: 995 filtered tcp ports (no-response)
PORT      STATE SERVICE
135/tcp   open  msrpc
445/tcp   open  microsoft-ds
1935/tcp  open  rtmp
9080/tcp  open  glrpc
49152/tcp open  unknown
MAC Address: 52:55:0A:00:02:02 (Unknown)

Nmap scan report for 10.0.2.3
Host is up (0.0050s latency).
Not shown: 999 filtered tcp ports (net-unreach)
PORT    STATE SERVICE
53/tcp open   domain
MAC Address: 52:55:0A:00:02:03 (Unknown)

Nmap scan report for 10.0.2.15
Host is up (0.0000040s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (3 hosts up) scanned in 8.38 seconds

┌──(kali㊉kali)-[~]
└─$ nmap -sV 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:39 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
```

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ nmap -sV 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:39 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Service detection performed. Please report any incorrect results at https://n
map.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 0.41 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -O 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:40 EDT
Nmap scan report for 10.0.2.15
Host is up (0.000044s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
Too many fingerprints match this host to give specific OS details
Network Distance: 0 hops

OS detection performed. Please report any incorrect results at https://nmap.o
rg/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.72 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -A 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 05:41 EDT
Nmap scan report for 10.0.2.15
Host is up (0.000044s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
```

```
┌──(kali㉿kali)-[~]
└─$ nmap --script=vuln 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:03 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000050s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 16.98 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -sn 10.0.2.0/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:08 EDT
Nmap scan report for 10.0.2.2
Host is up (0.00023s latency).
MAC Address: 52:55:0A:00:02:02 (Unknown)
Nmap scan report for 10.0.2.3
Host is up (0.00037s latency).
MAC Address: 52:55:0A:00:02:03 (Unknown)
Nmap scan report for 10.0.2.15
Host is up.
Nmap done: 256 IP addresses (3 hosts up) scanned in 4.61 seconds

┌──(kali㉿kali)-[~]
└─$ nmap 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:10 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
```

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ nmap 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:10 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 0.14 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -p 22,80,443 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:11 EDT
Nmap scan report for 10.0.2.15
Host is up (0.000041s latency).

PORT     STATE   SERVICE
22/tcp   closed  ssh
80/tcp   closed  http
443/tcp  closed  https

Nmap done: 1 IP address (1 host up) scanned in 0.11 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -sV 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:11 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
```

Session Actions Edit View Help

┌──(kali㊉kali)-[~]
└─$ nmap -A 10.0.2.15

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:12 EDT
Nmap scan report for 10.0.2.15
Host is up (0.000049s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
Too many fingerprints match this host to give specific OS details
Network Distance: 0 hops

OS and Service detection performed. Please report any incorrect results at ht
tps://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.95 seconds

┌──(kali㊉kali)-[~]
└─$ nmap -O 10.0.2.15

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:12 EDT
Nmap scan report for 10.0.2.15
Host is up (0.000039s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
Too many fingerprints match this host to give specific OS details
Network Distance: 0 hops

OS detection performed. Please report any incorrect results at https://nmap.o
rg/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.65 seconds

┌──(kali㊉kali)-[~]
└─$ nmap -p- 10.0.2.15

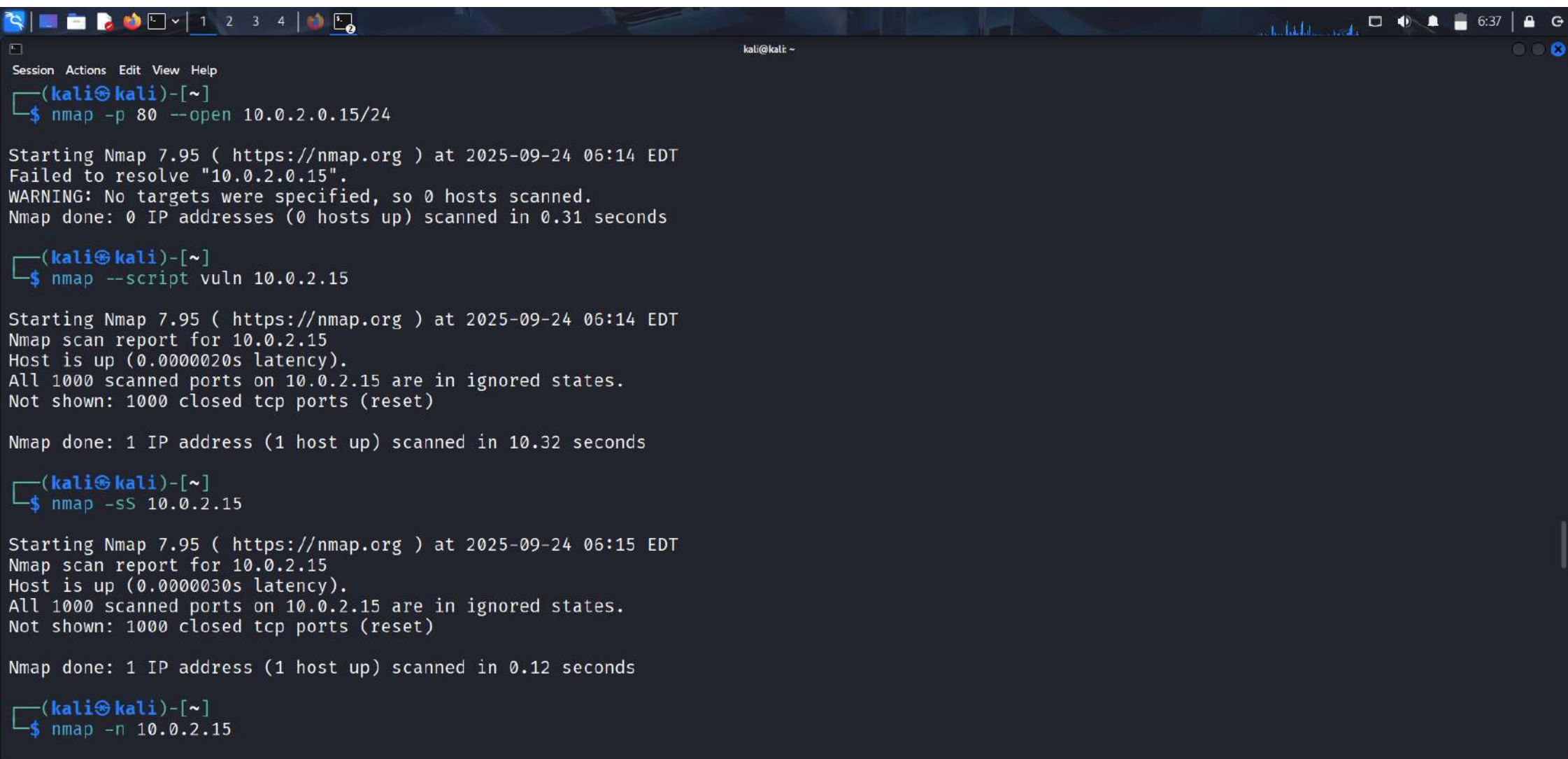Session Actions Edit View Help

┌──(kali㊉kali)-[~]
└─$ nmap -p- 10.0.2.15

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:12 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 65535 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 65535 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 2.98 seconds

┌──(kali㊉kali)-[~]
└─$ nmap -sU 10.0.2.15

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:13 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed udp ports (port-unreach)

Nmap done: 1 IP address (1 host up) scanned in 2.81 seconds

┌──(kali㊉kali)-[~]
└─$ nmap --top-ports 100 10.0.2.15

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:13 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 100 scanned ports on 10.0.2.15 are in ignored states.
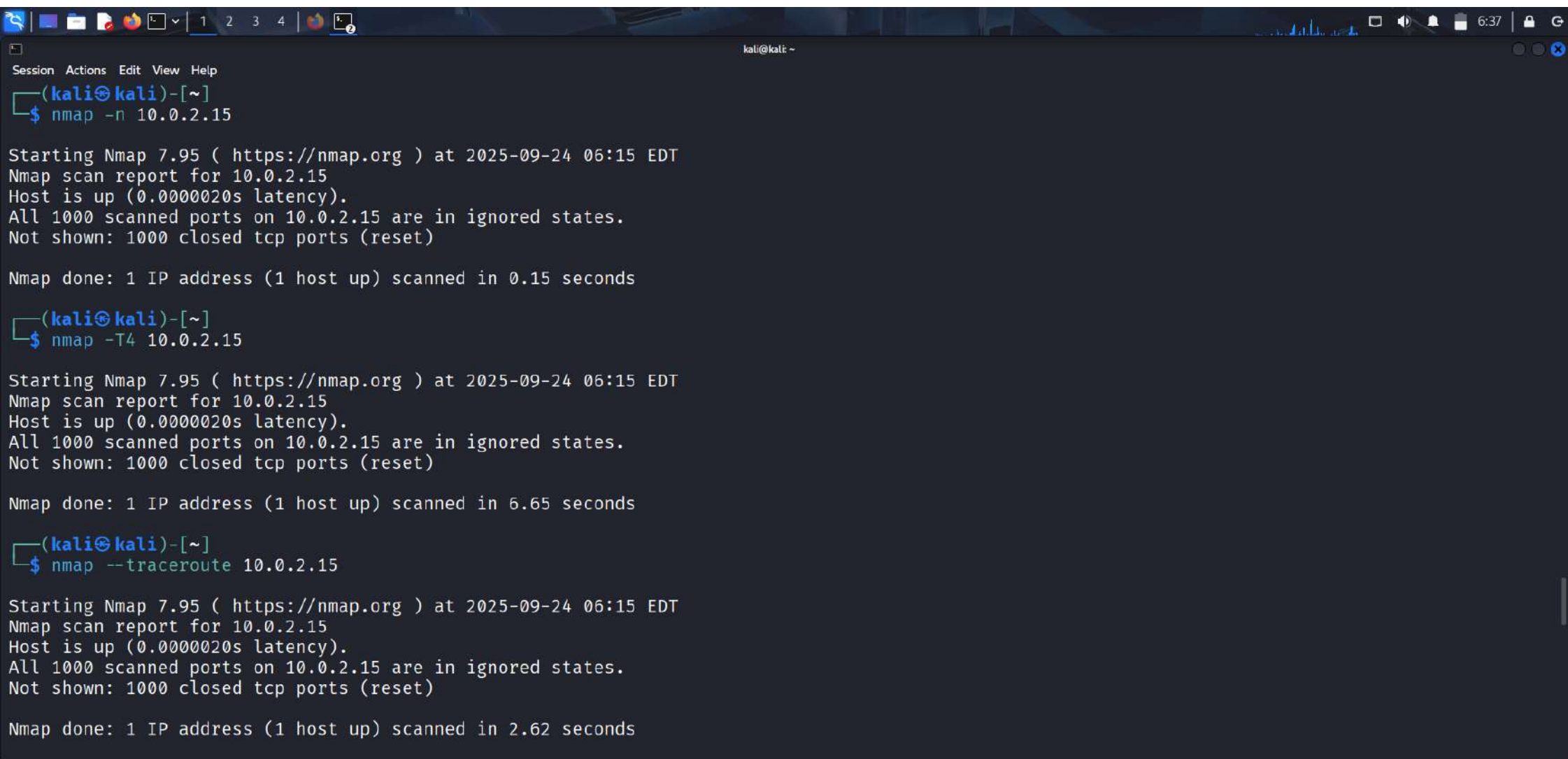Not shown: 100 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 0.12 seconds

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ nmap -p 80 --open 10.0.2.0.15/24

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:14 EDT
Failed to resolve "10.0.2.0.15".
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.31 seconds

┌──(kali㉿kali)-[~]
└─$ nmap --script vuln 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:14 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 10.32 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -sS 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:15 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000030s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 0.12 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -n 10.0.2.15
```

```
┌──(kali㉿kali)-[~]
└─$ nmap -n 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:15 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 0.15 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -T4 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:15 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 6.65 seconds

┌──(kali㉿kali)-[~]
└─$ nmap --traceroute 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:15 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 2.62 seconds
```

Session Actions Edit View Help

┌──(kali㉿kali)-[~]
└─$ nmap 10.0.2.15 10.0.2.1 10.0.2.2

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:16 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap scan report for 10.0.2.2
Host is up (0.0017s latency).
Not shown: 995 filtered tcp ports (no-response)
PORT   STATE SERVICE
135/tcp   open msrpc
445/tcp   open microsoft-ds
1935/tcp   open rtmp
9080/tcp   open glrpc
49152/tcp open unknown
MAC Address: 52:55:0A:00:02:02 (Unknown)
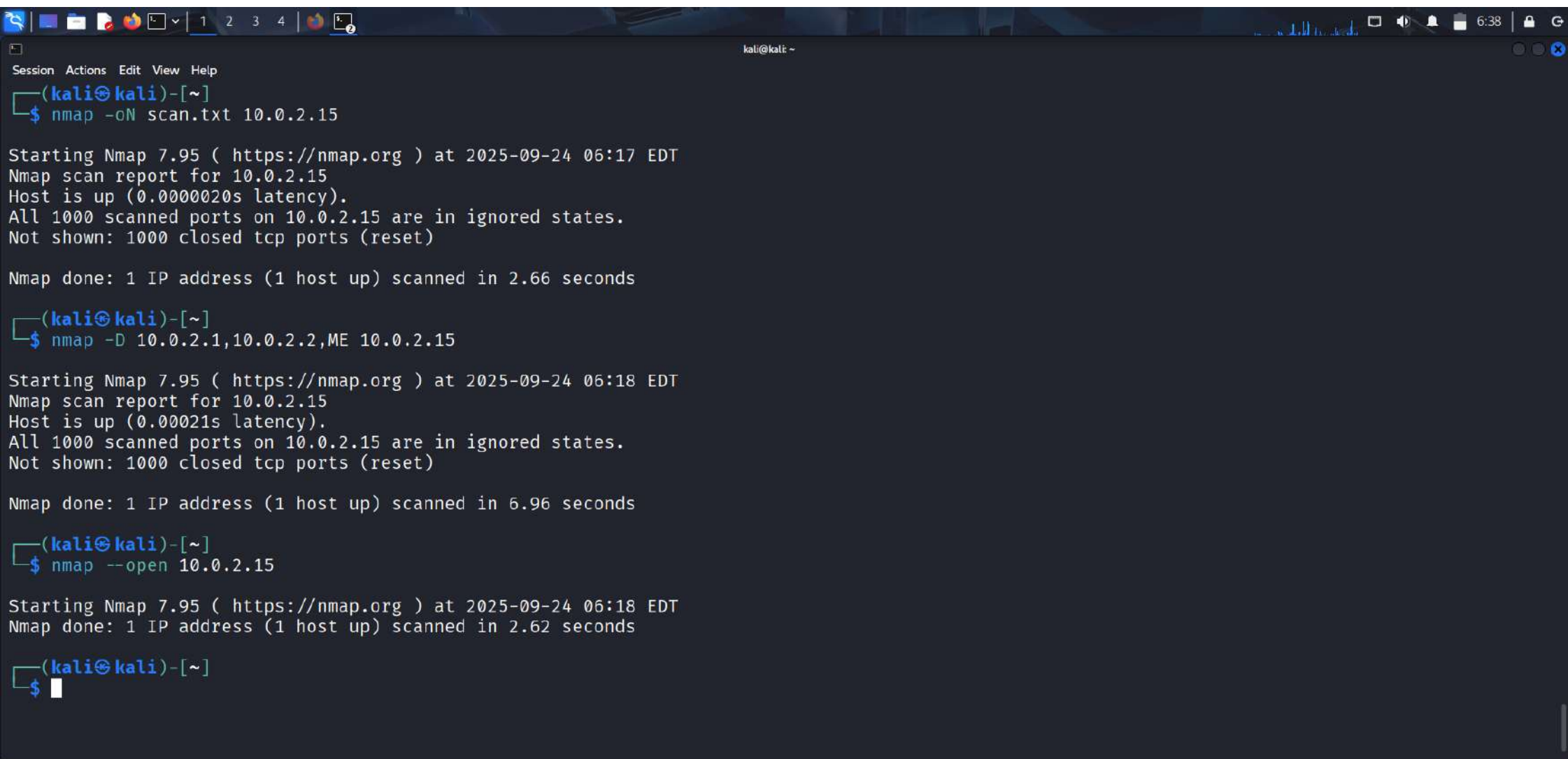
Nmap done: 3 IP addresses (2 hosts up) scanned in 10.63 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -oA myscan 10.0.2.15

Starting Nmap 7.95 (https://nmap.org) at 2025-09-24 06:16 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000040s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 2.64 seconds

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ nmap -oN scan.txt 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:17 EDT
Nmap scan report for 10.0.2.15
Host is up (0.0000020s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 2.66 seconds

┌──(kali㉿kali)-[~]
└─$ nmap -D 10.0.2.1,10.0.2.2,ME 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:18 EDT
Nmap scan report for 10.0.2.15
Host is up (0.00021s latency).
All 1000 scanned ports on 10.0.2.15 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 6.96 seconds

┌──(kali㉿kali)-[~]
└─$ nmap --open 10.0.2.15

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-24 06:18 EDT
Nmap done: 1 IP address (1 host up) scanned in 2.62 seconds

┌──(kali㉿kali)-[~]
└─$ 
```