```
┌──(kali@kali)-[~]
└─$ nmap 192.168.64.0/24
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-05-26 21:37 IST
Nmap scan report for 192.168.64.1
Host is up (0.00038s latency).
Not shown: 997 closed tcp ports (reset)
PORT     STATE SERVICE
53/tcp   open  domain
5000/tcp open  upnp
7000/tcp open  afs3-fileserver
MAC Address: 12:BD:3A:28:35:64 (Unknown)

Nmap scan report for 192.168.64.2
Host is up (0.0000030s latency).
All 1000 scanned ports on 192.168.64.2 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (2 hosts up) scanned in 9.20 seconds
```
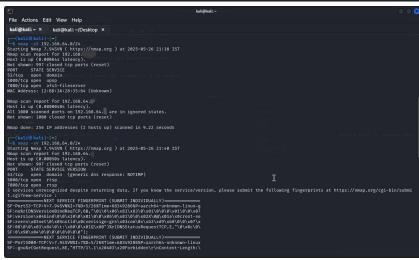
```
File  Actions  Edit  View  Help
kali@kali: ~ ×      kali@kali: ~/Desktop ×
┌──(kali@kali)-[~]
└─$ nmap -sS 192.168.64.0/24
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-05-26 21:38 IST
Nmap scan report for 192.168.
Host is up (0.00064s latency).
Not shown: 997 closed tcp ports (reset)
PORT     STATE SERVICE
53/tcp   open  domain
5000/tcp open  upnp
7000/tcp open  afs3-fileserver
MAC Address: 12:BD:3A:28:35:64 (Unknown)

Nmap scan report for 192.168.64.
Host is up (0.0000040s latency).
All 1000 scanned ports on 192.168.64. are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (2 hosts up) scanned in 9.22 seconds

┌──(kali@kali)-[~]
└─$ nmap -sV 192.168.64.0/24
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-05-26 21:40 IST
Nmap scan report for 192.168.64.
Host is up (0.00050s latency).
Not shown: 997 closed tcp ports (reset)
PORT     STATE SERVICE VERSION
53/tcp   open  domain  (generic dns response: NOTIMP)
5000/tcp open  rtsp
7000/tcp open  rtsp
3 services unrecognized despite returning data. If you know the service/version, please submit the following fingerprints at https://nmap.org/cgi-bin/submit.cgi?new-service :
======NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)======
SF-Port53-TCP:V=7.94SVN%I=7%D=5/26%Time=68349286%P=aarch64-unknown-linux-g
SF:nu%r(DNSVersionBindReqTCP,6B,"\0i\0\x06\x81\x83\0\x01\0\0\0\x01\0\0\x07
SF:version\x04bind\0\0\x10\0\x01\0\x06\0\x01\0\0\x02X\0Q\x81a\x0croot-se
SF:rvers\x03net\0\x05nstld\x0cverisign-grs\x03com\0\x3\x3\xd9\xb8\0\x07\x
SF:08\0\0\x03\x84\0\t:\x80\0\x01Q\x80")%r(DNSStatusRequestTCP,E,"\0\x0c\0\
SF:0\x90\x04\0\0\0\0\0\0\0\0");
======NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)======
SF-Port5000-TCP:V=7.94SVN%I=7%D=5/26%Time=68349286%P=aarch64-unknown-linux
SF:-gnu%r(GetRequest,8E,"HTTP/1\.1\x20403\x20Forbidden\r\nContent-Length:\
```

```
┌──(kali@kali)-[~]
└─$ nmap -O 192.168.
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-05-26 22:03 IST
Nmap scan report for 192.168.
Host is up (0.000047s latency).
All 1000 scanned ports on 192.168.    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.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.63 seconds
```

```
*eth0
File  Edit  View  Go  Capture  Analyze  Statistics  Telephony  Wireless  Tools  Help

tcp.flags.syn==1 and tcp.flags.ack==0
No.    Time            Source          Destination      Protocol  Length  Info
   48  48.305926118  192.168.64.2    34.107.221.82    TCP       74 51278 → 80 [SYN] Seq=
```

```
Capturing from eth0
File  Edit  View  Go  Capture  Analyze  Statistics  Telephony  Wireless  Tools  Help

tcp.port==80
No.    Time            Source           Destination       Protocol  Length  Info
    1  0.000000000   192.168.64.2     142.250.196.163   TCP       66 45108 → 80 [FIN, ACK] Seq=1 Ack=1 Win=502 Len=0 TSval=3404021
    2  0.043615094   142.250.196.163  192.168.64.2      TCP       66 80 → 45108 [FIN, ACK] Seq=1 Ack=2 Win=1050 Len=0 TSval=136358
    3  0.043644552   192.168.64.2     142.250.196.163   TCP       66 45108 → 80 [ACK] Seq=2 Ack=2 Win=502 Len=0 TSval=3404022012 T
    9  4.256029539   192.168.64.2     142.250.196.163   TCP       66 45096 → 80 [ACK] Seq=1 Ack=1 Win=546 Len=0 TSval=3404026225 T
   10  4.295560283   142.250.196.163  192.168.64.2      TCP       66 [TCP ACKed unseen segment] 80 → 45096 [ACK] Seq=1 Ack=2 Win=1
   13  14.515750790  192.168.64.2     142.250.196.163   TCP       66 [TCP Dup ACK 9#1] 45096 → 80 [ACK] Seq=1 Ack=1 Win=546 Len=0
   14  14.565047002  142.250.196.163  192.168.64.2      TCP       66 [TCP Dup ACK 10#1] 80 → 45096 [ACK] Seq=1 Ack=2 Win=1050 Len=0
   19  24.753906295  192.168.64.2     142.250.196.163   TCP       66 [TCP Dup ACK 9#2] 45096 → 80 [ACK] Seq=1 Ack=1 Win=546 Len=0
   20  24.786937217  142.250.196.163  192.168.64.2      TCP       66 [TCP Dup ACK 10#2] 80 → 45096 [ACK] Seq=1 Ack=2 Win=1050 Len=
   23  34.992021506  192.168.64.2     142.250.196.163   TCP       66 [TCP Dup ACK 9#3] 45096 → 80 [ACK] Seq=1 Ack=1 Win=546 Len=0
   24  35.027270670  142.250.196.163  192.168.64.2      TCP       66 [TCP Dup ACK 10#3] 80 → 45096 [ACK] Seq=1 Ack=2 Win=1050 Len=

▶ Frame 1: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) (  0000  12 bd 3a 28 35 64 ce 06  10 c5 6e b0 08 00 45 00
▶ Ethernet II, Src: ce:06:10:c5:6e:b0 (ce:06:10:c5:6e:b0), Dst: 12:bd:  0010  00 34 47 df 40 00 40 06  9e 9c c0 a8 40 02 8e fa
▶ Internet Protocol Version 4, Src: 192.168.64.2, Dst: 142.250.196.163  0020  c4 a3 b0 34 00 50 71 12  da 4c da 52 80 05 80 11
▶ Transmission Control Protocol, Src Port: 45108, Dst Port: 80, Seq:    0030  01 f6 cf 63 00 00 01 01  08 0a ca e5 40 d1 51 46
                                                                        0040  9d e0
```