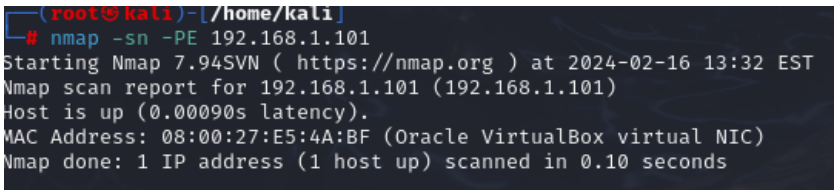
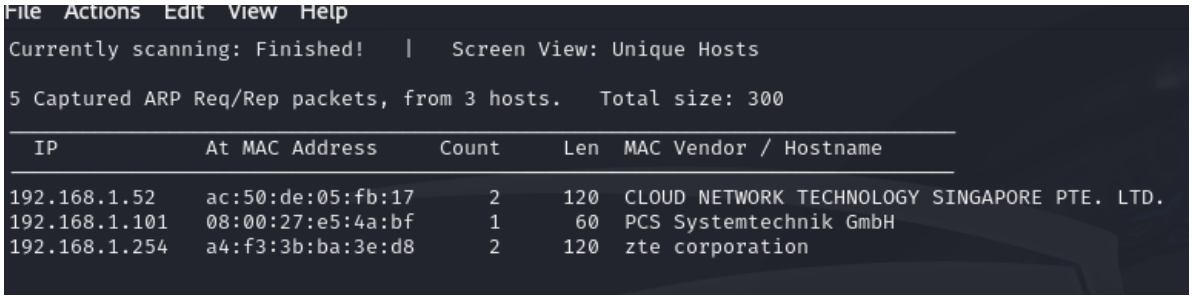
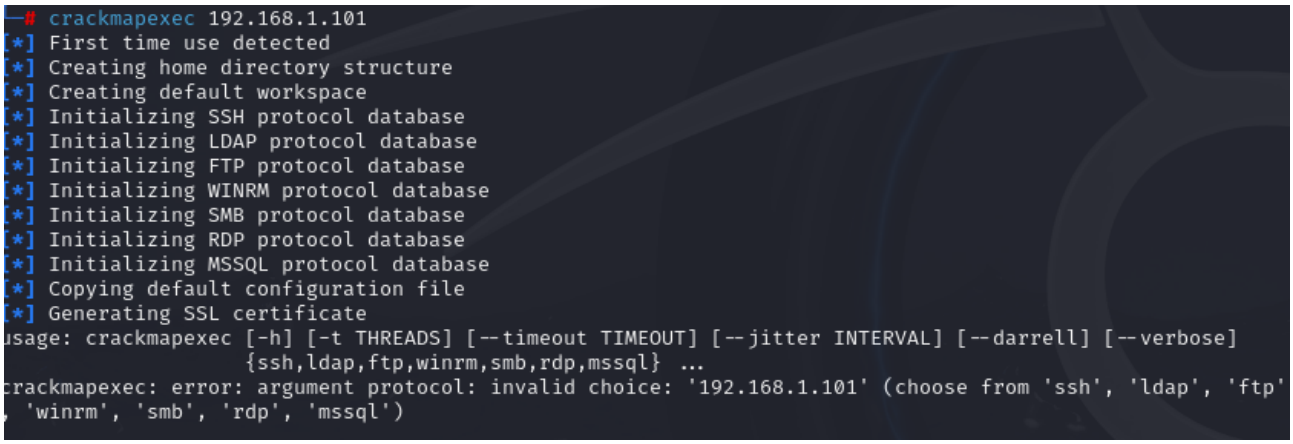
nmap -sn -PE <target>



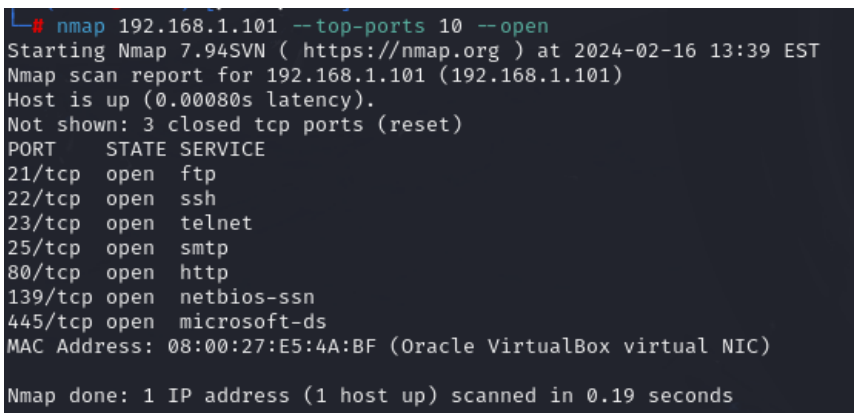
netdiscover -r <target>



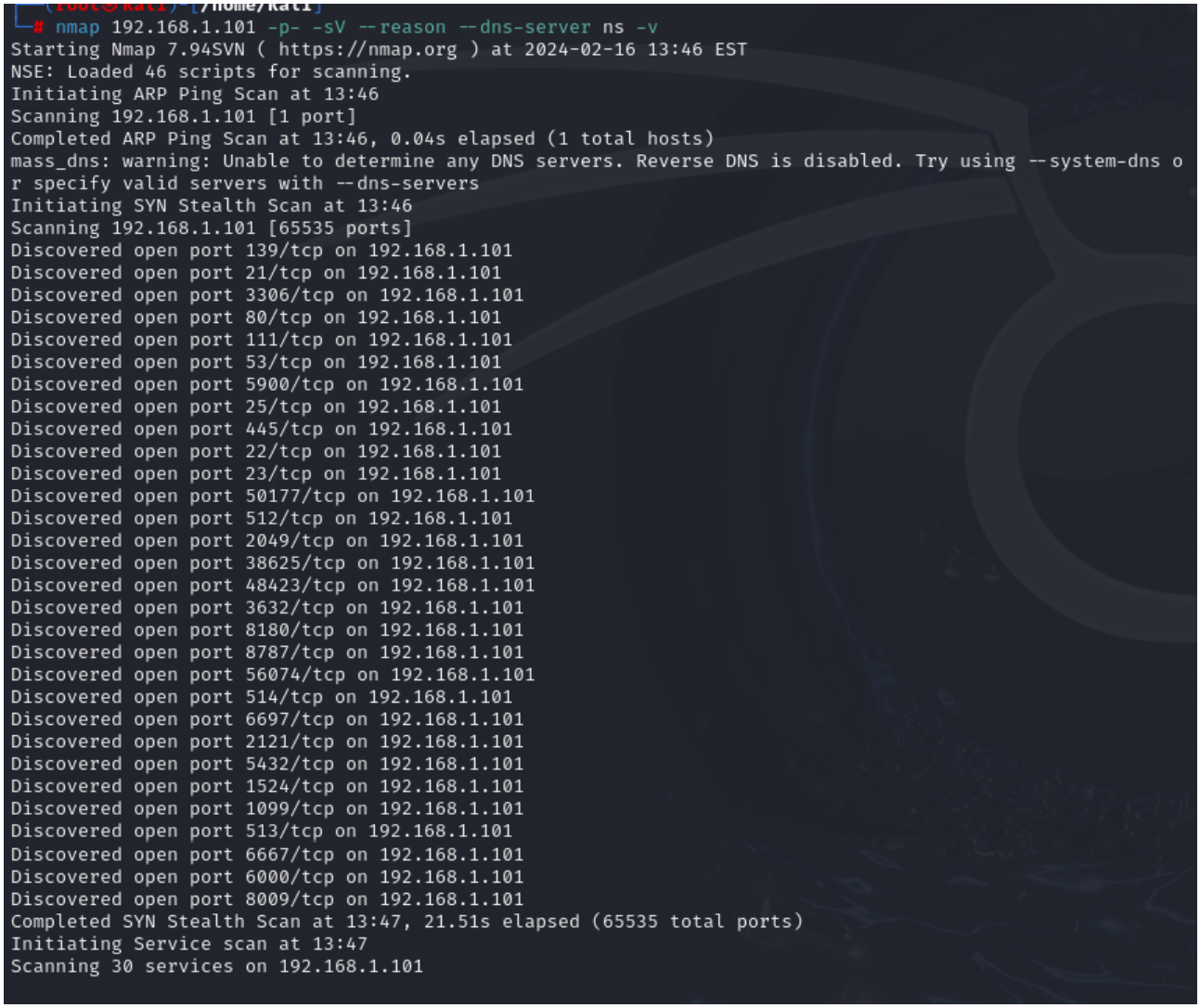
crackmapexec <target>



nmap <target> --top-ports 10 --open



nmap <target> -p- -sV –reason –dns-server ns

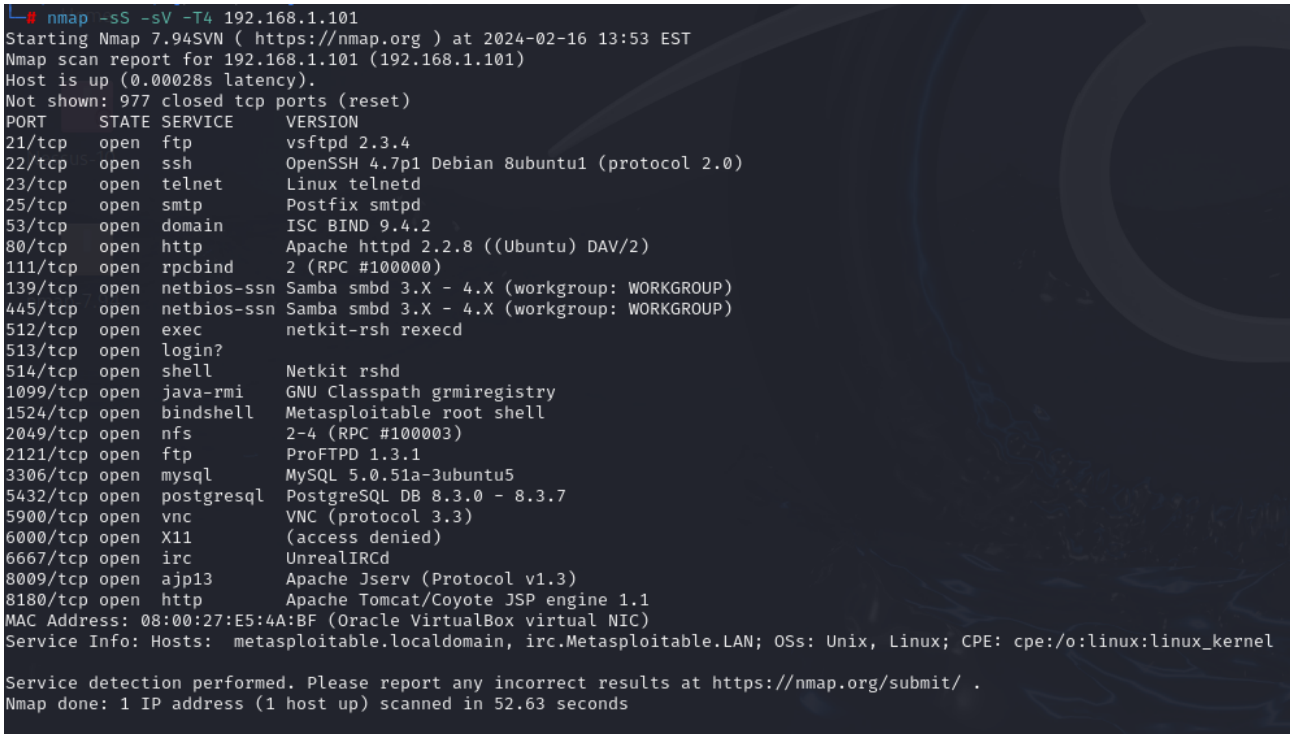


us -mT -Iv <target>:a -r 3000 -R 3 && us -mU -Iv <target>:a -r 3000 -R 3

```
└─# us -mT -Iv 192.168.1.101:a -r 3000 -R 3 && us -mU -Iv 192.168.1.101:a -r 3000 -R 3
adding 192.168.1.101/32 mode `TCPscan' ports `a' pps 3000
using interface(s) eth0
scaning 1.00e+00 total hosts with 1.97e+05 total packets, should take a little longer than 1 Minutes, 12 S
econds
TCP open 192.168.1.101:1099  ttl 64
TCP open 192.168.1.101:2121  ttl 64
TCP open 192.168.1.101:2049  ttl 64
TCP open 192.168.1.101:512  ttl 64
TCP open 192.168.1.101:6697  ttl 64
TCP open 192.168.1.101:513  ttl 64
TCP open 192.168.1.101:23  ttl 64
TCP open 192.168.1.101:22  ttl 64
TCP open 192.168.1.101:1524  ttl 64
TCP open 192.168.1.101:50177  ttl 64
TCP open 192.168.1.101:445  ttl 64
TCP open 192.168.1.101:514  ttl 64
TCP open 192.168.1.101:3306  ttl 64
TCP open 192.168.1.101:21  ttl 64
TCP open 192.168.1.101:139  ttl 64
TCP open 192.168.1.101:80  ttl 64
TCP open 192.168.1.101:8009  ttl 64
TCP open 192.168.1.101:5432  ttl 64
TCP open 192.168.1.101:6667  ttl 64
TCP open 192.168.1.101:25  ttl 64
TCP open 192.168.1.101:5900  ttl 64
TCP open 192.168.1.101:8787  ttl 64
TCP open 192.168.1.101:6000  ttl 64
TCP open 192.168.1.101:56074  ttl 64
TCP open 192.168.1.101:8180  ttl 64
TCP open 192.168.1.101:38625  ttl 64
TCP open 192.168.1.101:3632  ttl 64
TCP open 192.168.1.101:48423  ttl 64
TCP open 192.168.1.101:53  ttl 64
TCP open 192.168.1.101:111  ttl 64
sender statistics 2163.2 pps with 196608 packets sent total
```

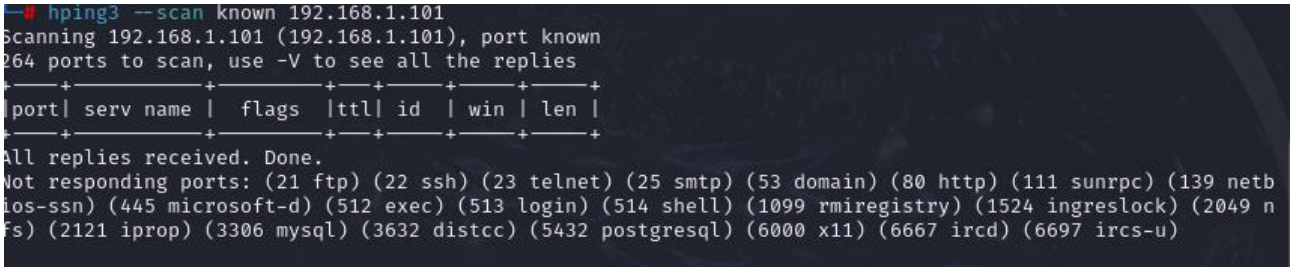
```
listener statistics 196608 packets recieved 0 packets droped and 0 interface drops
TCP open                   ftp[   21]         from 192.168.1.101  ttl 64
TCP open                   ssh[   22]         from 192.168.1.101  ttl 64
TCP open                telnet[   23]         from 192.168.1.101  ttl 64
TCP open                  smtp[   25]         from 192.168.1.101  ttl 64
TCP open                domain[   53]         from 192.168.1.101  ttl 64
TCP open                  http[   80]         from 192.168.1.101  ttl 64
TCP open                sunrpc[  111]         from 192.168.1.101  ttl 64
TCP open          netbios-ssn[  139]         from 192.168.1.101  ttl 64
TCP open           microsoft-ds[  445]         from 192.168.1.101  ttl 64
TCP open                  exec[  512]         from 192.168.1.101  ttl 64
TCP open                 login[  513]         from 192.168.1.101  ttl 64
TCP open                 shell[  514]         from 192.168.1.101  ttl 64
TCP open           rmiregistry[ 1099]         from 192.168.1.101  ttl 64
TCP open            ingreslock[ 1524]         from 192.168.1.101  ttl 64
TCP open                 shilp[ 2049]         from 192.168.1.101  ttl 64
TCP open          scientia-ssdb[ 2121]         from 192.168.1.101  ttl 64
TCP open                 mysql[ 3306]         from 192.168.1.101  ttl 64
TCP open                distcc[ 3632]         from 192.168.1.101  ttl 64
TCP open            postgresql[ 5432]         from 192.168.1.101  ttl 64
TCP open                winvnc[ 5900]         from 192.168.1.101  ttl 64
TCP open                   x11[ 6000]         from 192.168.1.101  ttl 64
TCP open                   irc[ 6667]         from 192.168.1.101  ttl 64
TCP open               unknown[ 6697]         from 192.168.1.101  ttl 64
TCP open               unknown[ 8009]         from 192.168.1.101  ttl 64
TCP open               unknown[ 8180]         from 192.168.1.101  ttl 64
TCP open               msgsrvr[ 8787]         from 192.168.1.101  ttl 64
TCP open               unknown[38625]         from 192.168.1.101  ttl 64
TCP open               unknown[48423]         from 192.168.1.101  ttl 64
TCP open               unknown[50177]         from 192.168.1.101  ttl 64
TCP open               unknown[56074]         from 192.168.1.101  ttl 64
adding 192.168.1.101/32 mode `UDPscan' ports `a' pps 3000
using interface(s) eth0
scaning 1.00e+00 total hosts with 1.97e+05 total packets, should take a little longer than 1 Minutes, 12 S
econds
UDP open 192.168.1.101:53  ttl 64
UDP open 192.168.1.101:137  ttl 64
UDP open 192.168.1.101:2049  ttl 64
UDP open 192.168.1.101:111  ttl 64
UDP open 192.168.1.101:46053  ttl 64
UDP open 192.168.1.101:35531  ttl 64
sender statistics 2714.4 pps with 196635 packets sent total
listener statistics 21 packets recieved 0 packets droped and 0 interface drops
UDP open                domain[   53]         from 192.168.1.101  ttl 64
UDP open                sunrpc[  111]         from 192.168.1.101  ttl 64
UDP open             netbios-ns[  137]         from 192.168.1.101  ttl 64
UDP open                  shilp[ 2049]         from 192.168.1.101  ttl 64
UDP open               unknown[35531]         from 192.168.1.101  ttl 64
UDP open               unknown[46053]         from 192.168.1.101  ttl 64
```

nmap -sS -sV -T4 <target>



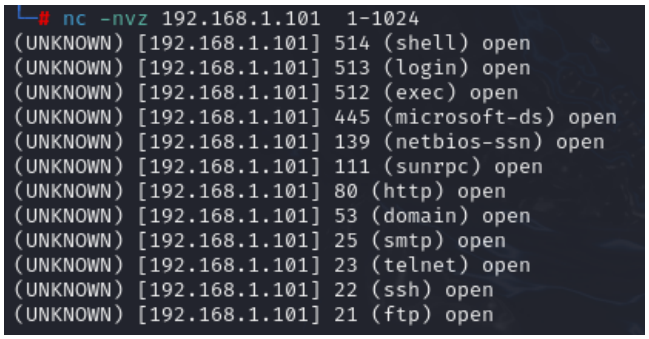
```
└─# nmap -sS -sV -T4 192.168.1.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-16 13:53 EST
Nmap scan report for 192.168.1.101 (192.168.1.101)
Host is up (0.00028s latency).
Not shown: 977 closed tcp ports (reset)
PORT     STATE SERVICE     VERSION
21/tcp   open  ftp         vsftpd 2.3.4
22/tcp   open  ssh         OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
23/tcp   open  telnet      Linux telnetd
25/tcp   open  smtp        Postfix smtpd
53/tcp   open  domain      ISC BIND 9.4.2
80/tcp   open  http        Apache httpd 2.2.8 ((Ubuntu) DAV/2)
111/tcp  open  rpcbind     2 (RPC #100000)
139/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
512/tcp  open  exec        netkit-rsh rexecd
513/tcp  open  login?
514/tcp  open  shell       Netkit rshd
1099/tcp open  java-rmi    GNU Classpath grmiregistry
1524/tcp open  bindshell   Metasploitable root shell
2049/tcp open  nfs         2-4 (RPC #100003)
2121/tcp open  ftp         ProFTPD 1.3.1
3306/tcp open  mysql       MySQL 5.0.51a-3ubuntu5
5432/tcp open  postgresql  PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open  vnc         VNC (protocol 3.3)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
8009/tcp open  ajp13       Apache Jserv (Protocol v1.3)
8180/tcp open  http        Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:E5:4A:BF (Oracle VirtualBox virtual NIC)
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 52.63 seconds
```

hping3 –scan known <target>



```
└─# hping3 --scan known 192.168.1.101
Scanning 192.168.1.101 (192.168.1.101), port known
264 ports to scan, use -V to see all the replies
+----+------------+---------+---+-----+-----+-----+
|port| serv name  |  flags  |ttl| id  | win | len |
+----+------------+---------+---+-----+-----+-----+
All replies received. Done.
Not responding ports: (21 ftp) (22 ssh) (23 telnet) (25 smtp) (53 domain) (80 http) (111 sunrpc) (139 netb
ios-ssn) (445 microsoft-d) (512 exec) (513 login) (514 shell) (1099 rmiregistry) (1524 ingreslock) (2049 n
fs) (2121 iprop) (3306 mysql) (3632 distcc) (5432 postgresql) (6000 x11) (6667 ircd) (6697 ircs-u)
```

nc -nvz <target> 1-1024



```
└─# nc -nvz 192.168.1.101  1-1024
(UNKNOWN) [192.168.1.101] 514 (shell) open
(UNKNOWN) [192.168.1.101] 513 (login) open
(UNKNOWN) [192.168.1.101] 512 (exec) open
(UNKNOWN) [192.168.1.101] 445 (microsoft-ds) open
(UNKNOWN) [192.168.1.101] 139 (netbios-ssn) open
(UNKNOWN) [192.168.1.101] 111 (sunrpc) open
(UNKNOWN) [192.168.1.101] 80 (http) open
(UNKNOWN) [192.168.1.101] 53 (domain) open
(UNKNOWN) [192.168.1.101] 25 (smtp) open
(UNKNOWN) [192.168.1.101] 23 (telnet) open
(UNKNOWN) [192.168.1.101] 22 (ssh) open
(UNKNOWN) [192.168.1.101] 21 (ftp) open
```

nc -nv <target> 22

```
┌──(root㉿kali)-[~]
└─# nc -nv 192.168.1.101 22
(UNKNOWN) [192.168.1.101] 22 (ssh) open
SSH-2.0-OpenSSH_4.7p1 Debian-8ubuntu1
^C
```

nmap -sV <target>

```
┌──(root㉿kali)-[~]
└─# nmap -sV 192.168.1.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-16 13:59 EST
Nmap scan report for 192.168.1.101 (192.168.1.101)
Host is up (0.0011s latency).
Not shown: 977 closed tcp ports (reset)
PORT     STATE SERVICE     VERSION
21/tcp   open  ftp         vsftpd 2.3.4
22/tcp   open  ssh         OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
23/tcp   open  telnet      Linux telnetd
25/tcp   open  smtp        Postfix smtpd
53/tcp   open  domain      ISC BIND 9.4.2
80/tcp   open  http        Apache httpd 2.2.8 ((Ubuntu) DAV/2)
111/tcp  open  rpcbind     2 (RPC #100000)
139/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
512/tcp  open  exec        netkit-rsh rexecd
513/tcp  open  login?
514/tcp  open  shell       Netkit rshd
1099/tcp open  java-rmi    GNU Classpath grmiregistry
1524/tcp open  bindshell   Metasploitable root shell
2049/tcp open  nfs         2-4 (RPC #100003)
2121/tcp open  ftp         ProFTPD 1.3.1
3306/tcp open  mysql       MySQL 5.0.51a-3ubuntu5
5432/tcp open  postgresql  PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open  vnc         VNC (protocol 3.3)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
8009/tcp open  ajp13       Apache Jserv (Protocol v1.3)
8180/tcp open  http        Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:E5:4A:BF (Oracle VirtualBox virtual NIC)
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:li
nux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 52.60 seconds
```

nmap -f –mtu=512 <target>

```
└─# nmap -f --mtu=512 192.168.1.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-16 14:02 EST
Nmap scan report for 192.168.1.101 (192.168.1.101)
Host is up (0.00052s latency).
Not shown: 977 closed tcp ports (reset)
PORT     STATE SERVICE
21/tcp   open  ftp
22/tcp   open  ssh
23/tcp   open  telnet
25/tcp   open  smtp
53/tcp   open  domain
80/tcp   open  http
111/tcp  open  rpcbind
139/tcp  open  netbios-ssn
445/tcp  open  microsoft-ds
512/tcp  open  exec
513/tcp  open  login
514/tcp  open  shell
1099/tcp open  rmiregistry
1524/tcp open  ingreslock
2049/tcp open  nfs
2121/tcp open  ccproxy-ftp
3306/tcp open  mysql
5432/tcp open  postgresql
5900/tcp open  vnc
6000/tcp open  X11
6667/tcp open  irc
8009/tcp open  ajp13
8180/tcp open  unknown
MAC Address: 08:00:27:E5:4A:BF (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 0.28 seconds
```

masscan <network> -p80 –banners –source-ip <target>

```
└─# masscan 192.168.1.0  -p80 --banners --source-ip 192.168.1.101
[+] resolving router 192.168.1.254 with ARP (may take some time)...
[-] FAIL: ARP timed-out resolving MAC address for router eth0: "0.0.0.0"
    [hint] try "--router ip 192.0.2.1" to specify different router
    [hint] try "--router-mac 66-55-44-33-22-11" instead to bypass ARP
    [hint] try "--interface eth0" to change interface
```