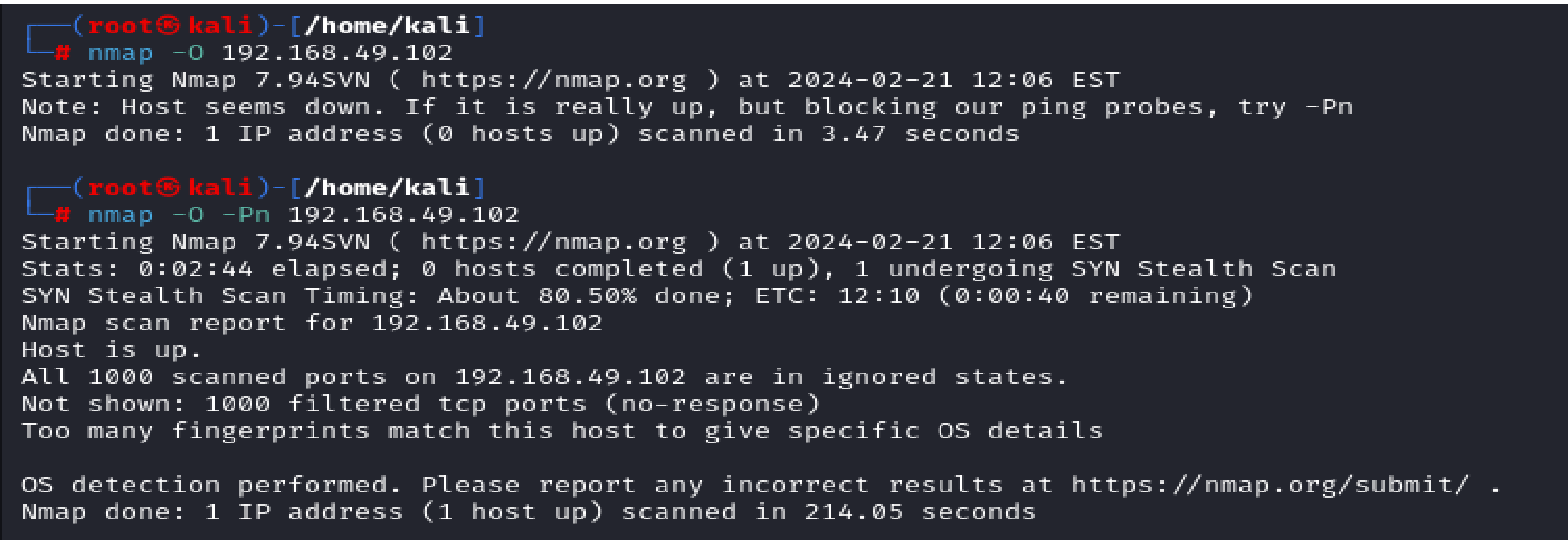
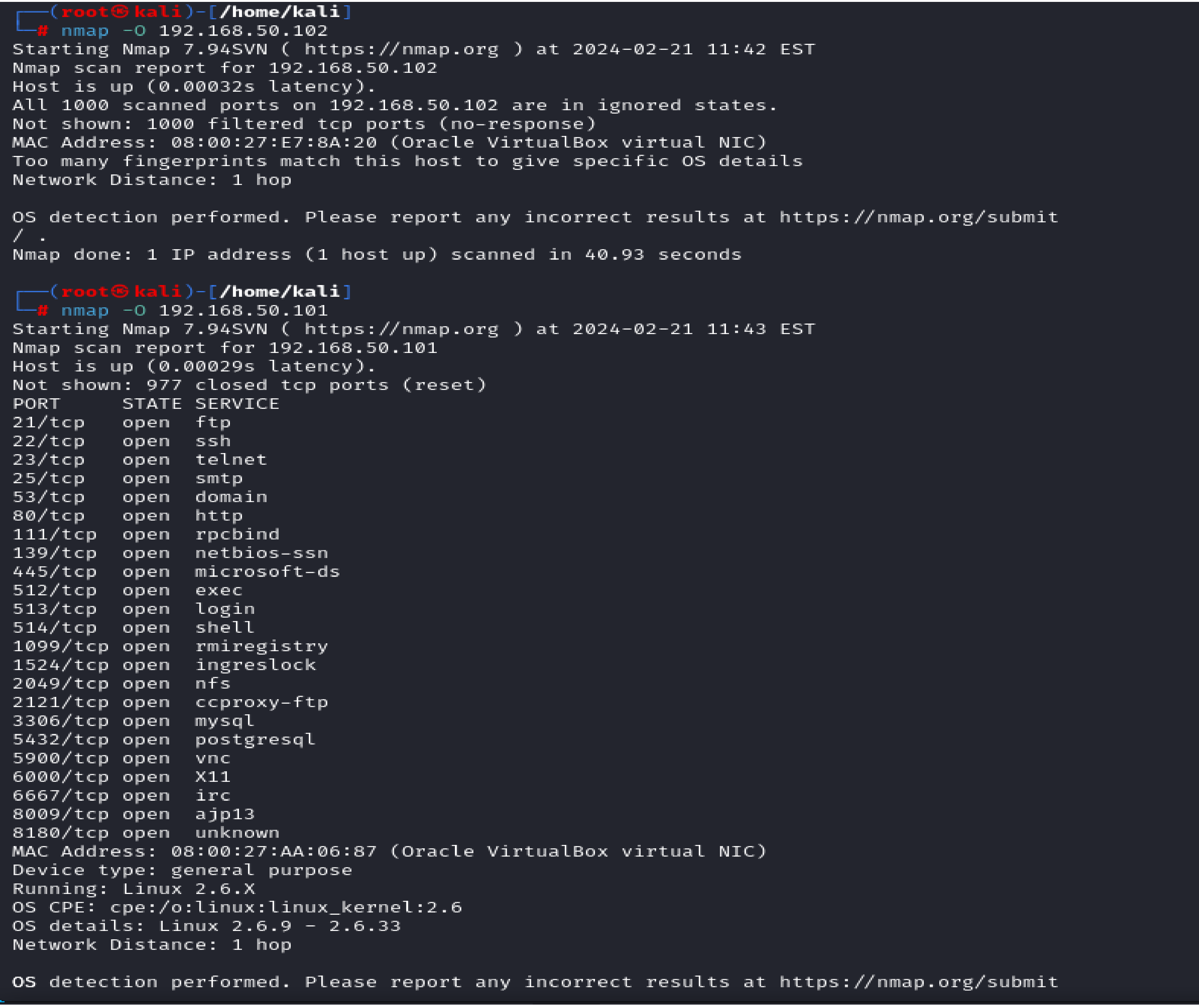
Esercizio S5-L3

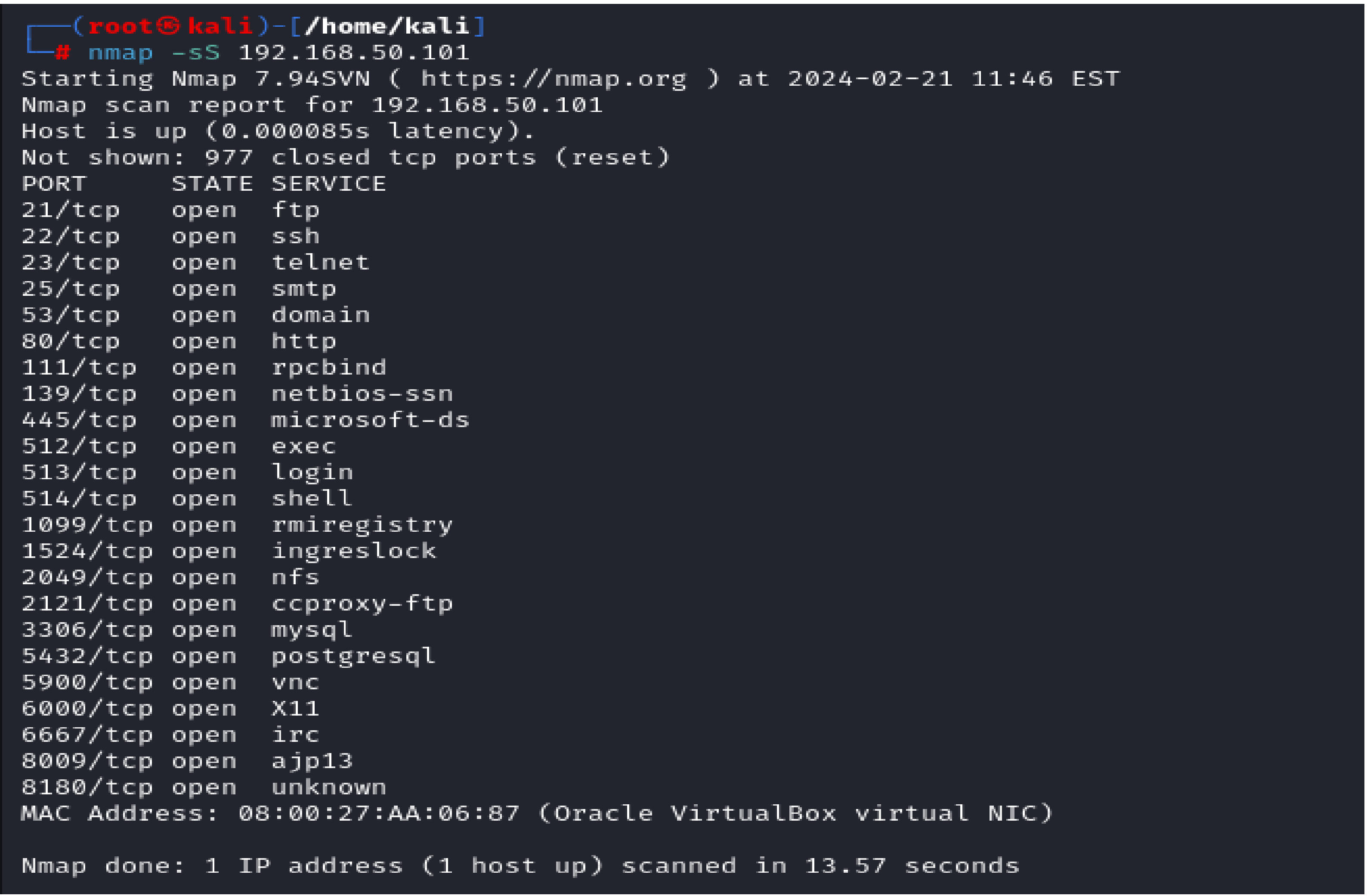


```
┌──(root㉿kali)-[/home/kali]
└─# nmap -O 192.168.49.102
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 12:06 EST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.47 seconds

┌──(root㉿kali)-[/home/kali]
└─# nmap -O -Pn 192.168.49.102
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 12:06 EST
Stats: 0:02:44 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 80.50% done; ETC: 12:10 (0:00:40 remaining)
Nmap scan report for 192.168.49.102
Host is up.
All 1000 scanned ports on 192.168.49.102 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
Too many fingerprints match this host to give specific OS details

OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 214.05 seconds
```

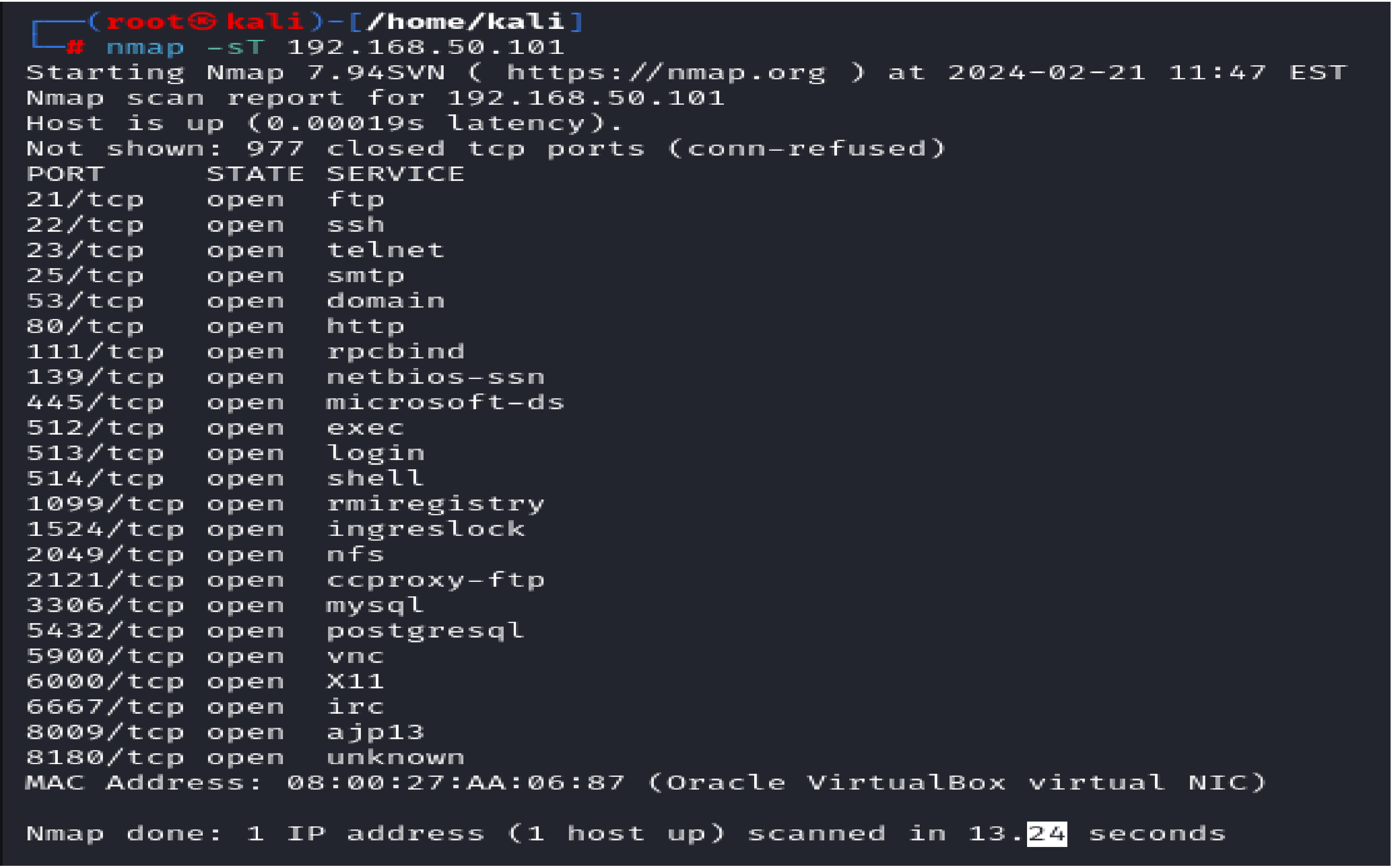


```
┌──(root㉿kali)-[/home/kali]
└─# nmap -O 192.168.50.102
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 11:42 EST
Nmap scan report for 192.168.50.102
Host is up (0.00032s latency).
All 1000 scanned ports on 192.168.50.102 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
MAC Address: 08:00:27:E7:8A:20 (Oracle VirtualBox virtual NIC)
Too many fingerprints match this host to give specific OS details
Network Distance: 1 hop

OS detection performed. Please report any incorrect results at https://nmap.org/submit
/ .
Nmap done: 1 IP address (1 host up) scanned in 40.93 seconds

┌──(root㉿kali)-[/home/kali]
└─# nmap -O 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 11:43 EST
Nmap scan report for 192.168.50.101
Host is up (0.00029s 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:AA:06:87 (Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.9 - 2.6.33
Network Distance: 1 hop

OS detection performed. Please report any incorrect results at https://nmap.org/submit
```

Esercizio S5-L3

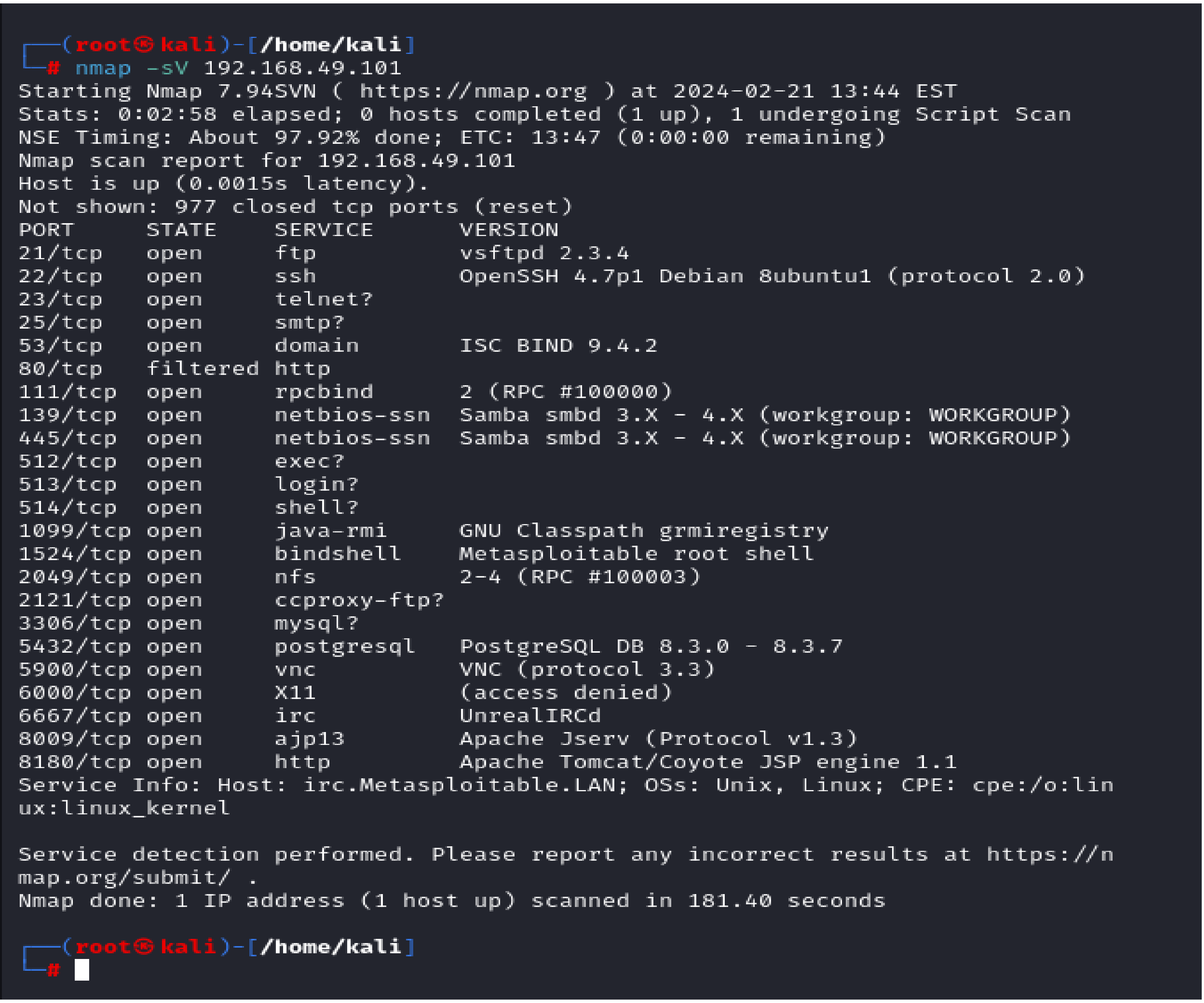


```
┌──(root㉿kali)-[/home/kali]
└─# nmap -sS 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 11:46 EST
Nmap scan report for 192.168.50.101
Host is up (0.000085s latency).
Not shown: 977 closed tcp ports (reset)
PORT     STATE SERVICE
21/tcp   open  ftp
22/tcp   open  ssh
23/tcp   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:AA:06:87 (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 13.57 seconds
```



```
┌──(root㉿kali)-[/home/kali]
└─# nmap -sT 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 11:47 EST
Nmap scan report for 192.168.50.101
Host is up (0.00019s latency).
Not shown: 977 closed tcp ports (conn-refused)
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:AA:06:87 (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 13.24 seconds
```

Esercizio S5-L3



```
┌──(root㉿kali)-[/home/kali]
└─# nmap -sV 192.168.49.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 13:44 EST
Stats: 0:02:58 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 97.92% done; ETC: 13:47 (0:00:00 remaining)
Nmap scan report for 192.168.49.101
Host is up (0.0015s 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?
25/tcp   open     smtp?
53/tcp   open     domain       ISC BIND 9.4.2
80/tcp   filtered http
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?
513/tcp  open     login?
514/tcp  open     shell?
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     ccproxy-ftp?
3306/tcp open     mysql?
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
Service Info: Host: irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:lin
ux:linux_kernel

Service detection performed. Please report any incorrect results at https://n
map.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 181.40 seconds

┌──(root㉿kali)-[/home/kali]
└─# █
```

Esercizio S5-L3

IP:

- Windows: 192.168.50.102 – 192.168.49.102
- Kali Linux: 192.168.50.100
- Metasploitable: 192.168.50.101 – 192.168.49.101

OS:

- Windows: Non riuscito (Sia con firewall disattivati e sia con firewall attivati)
- Metasploitable: 2.6.9 – 2.6.33

Open ports:

- Metasploitable: Elencate nella figuara sopra (Nota: Con il firewall attivo la porta 80 – HTTP risulta filtrata)

Services and version:

- Presenti nell'ultimo screen acquisito

Conclusioni:

Notiamo che Windows 7 non viene riconosciuto con l'OS Fingerprint poichè trova troppe "impronte" simili che va a confrontare nel suo database, per risolvere questo problema si potrebbero utilizzare degli switch, come ad esempio "—osscan-limit" oppure "—osscan-guess".