Sono riportati i risultati di OS Fingerprinting effettuato da Kali a Meta con il programma Nmap comando: sudo nmpap -O(ip meta)

```
<u>$ sudo nmap -0 192.168.49.101</u>
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 14:48 CET
Nmap scan report for 192.168.49.101
Host is up (0.00081s latency).
Not shown: 977 closed tcp ports (reset)
PORT STATE SERVICE
21/tcp open ftp
22/tcp open ssh
23/tcp
        open telnet
        open smtp
open domain
25/tcp
53/tcp
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
6000/tcp open X11
6667/tcp open irc
8009/tcp open ajp13
8180/tcp open unknown
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.15 - 2.6.26 (likely embedded)
Network Distance: 2 hops
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 2.04 seconds
```

Sono riportati attraverso il comando nmap -sS i risultati di SYN effettuato da kali a meta con il programma nmap.

```
-(davide⊕kali)-[~]
 -$ <u>sudo</u> nmap -sS 192.168.49.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 14:52 CET
Stats: 0:00:00 elapsed; 0 hosts completed (0 up), 1 undergoing Ping Scan
Ping Scan Timing: About 100.00% done; ETC: 14:52 (0:00:00 remaining)
Imap scan report for 192.168.49.101
Host is up (0.0010s latency).
lot shown: 977 closed tcp ports (reset)
PORT
         STATE SERVICE
21/tcp
         open ftp
22/tcp
         open ssh
         open telnet
23/tcp
25/tcp
         open smtp
3/tcp
         open
               domain
         open http
80/tcp
11/tcp open rpcbind
.39/tcp open netbios-ssn
45/tcp open microsoft-ds
12/tcp open
               exec
13/tcp
               login
        open
514/tcp open shell
1099/tcp open rmiregistry
l524/tcp open ingreslock
2049/tcp open nfs
121/tcp open
               ccproxy-ftp
306/tcp open mysql
6432/tcp open postgresql
900/tcp open vnc
5000/tcp open X11
667/tcp open irc
3009/tcp open
               ajp13
3180/tcp open unknown
Amap done: 1 IP address (1 host up) scanned in 0.31 seconds
```

E' il risultato del TCP Connect scann da kali verso meta con il comando sudo nmap-sT(ip_meta).

La differenza tra i due scann: SYN scann è meno invasivo, una volta ricevuto il pacchetto chiude la comunicazione inviando un pacchetto RST(reset).

sT invece è un metodo di scansione piu' invasivo, completa tutti i passaggi del 3-way-handshake stabilendo un canale.

```
-(davide⊕kali)-[~]
<u>sudo</u> nmap -sT 192.168.49.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 14:53 CET
Nmap scan report for 192.168.49.101
Host is up (0.0012s latency).
Not shown: 977 closed tcp ports (conn-refused)
        STATE SERVICE
PORT
21/tcp open ftp
22/tcp open ssh
23/tcp open telnet
         open smtp
open domain
25/tcp
53/tcp
        open http
80/tcp
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
Nmap done: 1 IP address (1 host up) scanned in 0.22 seconds
```

Con il comando sV vengono riportati tutti i risultati di Version Detection.

In questo caso su winodws 7 siamo andati a disabilitare i firewall, nmap non riceve risposta ai tentativi di SYN.

Dopo aver disabilitato il firewall con il comando -O andiamo a scansionare il firgerprint restituendo i risultati in basso visibili.

```
| Clavide Nai) -[-]
| Sudo map -0 192.168.50.102
| Sudo password for davide:
| Starting Namp 7.945WN (https://nmap.org ) at 2024-02-21 15:42 CET
| Starting Namp 7.945WN (https://nmap.org ) at 2024-02-21 15:42 CET
| Starting Namp 7.945WN (https://nmap.org ) at 2024-02-21 15:42 CET
| Starting Namp 7.945WN (https://nmap.org/submit/ .
| Not shown: 987 closed tcp ports (reset)
| PORT STATE SERVICE
| 133/tcp open metrosoft-ds
| 133/tcp open microsoft-ds
| 54/tcp open microsoft-ds
| 54/tcp open microsoft-ds
| 54/tcp open widapi
| 102/43/tcp open wiknown
| 49153/tcp open wiknown
| 49153/tcp open wiknown
| 49153/tcp open unknown
| 49153/tcp open u
```

```
(davide kali)-[~]
sudo nmap -sS 192.168.50.102
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 15:45 CET
Nmap scan report for 192.168.50.102
Host is up (0.00020s latency).
Not shown: 987 closed tcp ports (reset)
PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
554/tcp open rtsp
2869/tcp open icslap
5357/tcp open wsdapi
10243/tcp open unknown
49152/tcp open unknown
49153/tcp open unknown
49154/tcp open unknown
49155/tcp open unknown
49158/tcp open unknown
49175/tcp open unknown
MAC Address: 08:00:27:FE:D6:92 (Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 1.55 seconds
```