ESERCIZIO PRATICO S5/L3

Traccia:

Tecniche di scansione con Nmap Si richiede allo studente di effettuare le seguenti scansioni sul target Metasploitable:

- · OS fingerprint.
- Syn Scan.
- TCP connect trovate differenze tra i risultati della scansioni TCP connect e SYN?
- Version detection.

E la seguente sul target Windows 7:

· OS fingerprint.

A valle delle scansioni è prevista la produzione di un report contenente le seguenti info (dove disponibili):

- IP
- Sistema Operativo.
- Porte Aperte.
- · Servizi in ascolto con versione.

Identificazione indirizzo IP di Metasploitable:

OS fingerprint - Metasploitable 192.168.40.200

```
(kali@ kali)-[~]

Sudo map -0 192.168.40.200

[Sudo] password for kali:
Starting Nnap 7.945VN ( https://nmap.org ) at 2024-05-08 09:12 EDT

Nmap scan report for 192.168.40.200

Host is up (0.00041s latency).
Not shown: 977 closed tcp ports (reset)

PORT STATE SERVICE
21/tcp open ftp
22/tcp open ssh
23/tcp open domain
80/tcp open domain
80/tcp open mtp
53/tcp open netbios-ssn
445/tcp open mtcosoft-ds
512/tcp open mtcosoft-ds
512/tcp open shell
139/tcp open miregistry
1524/tcp open miregistry
1524/tcp open miregistry
1524/tcp open mysql
32049/tcp open mysql
3306/tcp open mysql
5432/tcp open mysql
5667/tcp open jr
8000/tcp open X11
6667/tcp open ir
8000/tcp open xli
6667/tcp open ir
8009/tcp open ir
8009/tcp open unknown
MAC Address: 08:00:27:58:C0:F9 (Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
CPE: cpe:/o:linux:linux_kernel:2.6
CS 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/. Nmap done: 1 IP address (1 host up) scanned in 14.71 seconds
```

SYN scan – Metasploitable 192.168.40.200

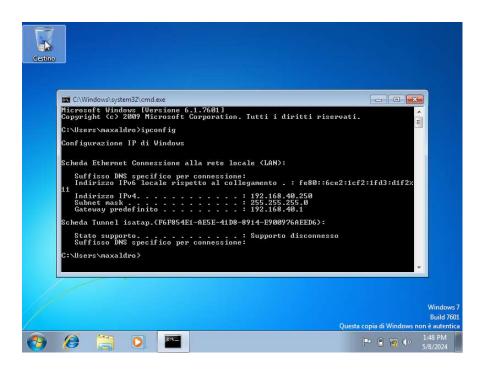
```
(kali@ kali)-[~]

$ sudo nmap -ss 192.168.40.200
Starting Nmap 7.94SVN (https://nmap.org ) at 2024-05-08 09:14 EDT
Nmap scan report for 192.168.40.200
Host is up (0.00027s latency).
Not shown: 977 closed tcp ports (reset)
PORT STATE SERVICE
21/tcp open ftp
22/tcp open ssh
23/tcp open smtp
53/tcp open domain
80/tcp open domain
80/tcp open http
111/tcp open rpcbind
139/tcp open netbios-ssn
445/tcp open microsoft-ds
512/tcp open login
514/tcp open login
514/tcp open ingreslock
2049/tcp open miregistry
1524/tcp open ingreslock
2049/tcp open fs
2121/tcp open ccproxy-ftp
3306/tcp open postgresql
5000/tcp open ync
6000/tcp open irc
8000/tcp open irc
8009/tcp open irc
8009/tcp open irc
8009/tcp open unknown
MAC Address: 08:00:27:58:C0:F9 (Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 13.25 seconds
```

TCP connect - Metasploitable 192.168.40.200

Version detection – Metasploitable 192.168.40.200

Identificazione indirizzo IP di Windows7:



OS fingerprint – Windows 7

```
[sudo] password for kall:

[sudo] password for kall:

Starting Namp 7.945VM (https://mmap.org ) at 2024-05-08 09:39 EDT

Nmap Scan report for 192.168.40.250

Not shown: 991 closed tcp ports (reset)

PORT STATE SERVICE

133/tcp open msrpc

133/tcp open msrpc

133/tcp open microsoft-ds

445/tcp open microsoft-ds

445/tcp open unknown

49153/tcp open unknown

MAC Address: 08:08:72:A8:79:780 (Oracle VirtualBox virtual NIC)

Device type; general purpose

Running: Microsoft Windows 71200818.1

OS CEE: cper/o:microsoft Windows 7200818.2: cpe:/o:microsoft:windows_8:cpe:/o:microsoft:windows_8 cpe:/o:microsoft:windows_8 cpe:/o:microsoft:windows_8.1

OS details: Microsoft Windows 75 POP - SP1, Windows Server 2008 SP1, Windows Server 2008 R2, Windows 8, or Windows 8.1 Update 1

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 16.66 seconds
```