

File Actions Edit View Help

(root@kali)-[~]

g nmap -O 192.168.50.101

Starting Nmap 7.94SVN (<https://nmap.org>) at 2024-02-21 15:07 CET

Nmap scan report for 192.168.50.101

Host is up (0.00083s 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: 08:00:27:0E:30:DF (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/> .

Nmap done: 1 IP address (1 host up) scanned in 14.81 seconds

File Actions Edit View Help

(root@kali)-[~]

nmap -sS 192.168.50.101

Starting Nmap 7.94SVN (<https://nmap.org>) at 2024-02-21 15:07 CET

Nmap scan report for 192.168.50.101

Host is up (0.00051s 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: 08:00:27:0E:30:DF (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 13.51 seconds

File Actions Edit View Help

(root@kali)-[~]

nmap -sT 192.168.49.101

Starting Nmap 7.94SVN (<https://nmap.org>) at 2024-02-21 17:20 CET

Nmap scan report for 192.168.49.101

Host is up (0.053s 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
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Nmap done: 1 IP address (1 host up) scanned in 0.86 seconds

File Actions Edit View Help

(root@kali)-[~]

nmap -sV 192.168.49.101

Starting Nmap 7.94SVN (<https://nmap.org>) at 2024-02-21 17:21 CET

Nmap scan report for 192.168.49.101

Host is up (0.068s 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	OpenBSD or Solaris rlogind
514/tcp	open	tcpwrapped	
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

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 13.26 seconds

File Actions Edit View Help

(root@kali)-[~]

nmap -O 192.168.50.102

Starting Nmap 7.94SVN (<https://nmap.org>) at 2024-02-21 17:22 CET

Nmap scan report for 192.168.50.102

Host is up (0.0013s latency).

Not shown: 991 closed tcp ports (reset)

PORT	STATE	SERVICE
135/tcp	open	msrpc
139/tcp	open	netbios-ssn
445/tcp	open	microsoft-ds
49152/tcp	open	unknown
49153/tcp	open	unknown
49154/tcp	open	unknown
49155/tcp	open	unknown
49156/tcp	open	unknown
49157/tcp	open	unknown

MAC Address: 08:00:27:01:04:1C (Oracle VirtualBox virtual NIC)

Device type: general purpose

Running: Microsoft Windows 7|2008|8.1


OS CPE: cpe:/o:microsoft:windows_7::sp1 cpe:/o:microsoft:windows_server_2008::sp1 cpe:/o:microsoft:windows_server_2008:r2 cpe:/o:microsoft:windows_8 cpe:/o:microsoft:windows_8.1

OS details: Microsoft Windows 7 SP0 - 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 2.97 seconds



Febbraio 2024

CYBER SECURITY SPECIALIST

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Jacopo Trovato

Scansione dei servizi con Nmap

La prima scansione è stata effettuata sull'indirizzo IP di **Metasploitable**, ovvero 192.168.49.101.

- OS fingerprint: sono state mostrate 23 porte aperte, l'indirizzo MAC del dispositivo, i dettagli OS e OS CPE;
- Syn Scan: vengono mostrate sempre le 23 porte aperte con l'indirizzo MAC;
- TCP connect: a differenza del Syn Scan non viene mostrato l'indirizzo MAC ma solo le porte aperte;
- Version detection: questa scansione permette di vedere le informazioni sull'host.

Il target seguente è stato Windows 7 sul quale è stata effettuata solo una scansione:

- OS fingerprint: come nella scansione eseguita su Meta vengono mostrate le porte aperte, in questo caso solo 9, viene mostrato il MAC address, il tipo di device, OS CPE e i dettagli OS che in questo caso risultano di Windows.

Spiegazione Windows

La ragione per cui su Windows permette la scansione senza difficoltà è perché non è inserito nessun Firewall, con un Firewall acceso che protegge il programma la scansione non potrà venir effettuata