

W11D1 – Pratica

Epic Education Srl

Simulazione fase di raccolta informazioni pt. 2

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Sommario

Sintesi esecutiva	3
Perimetro	3
Panoramica delle vulnerabilità	3
1 Tecniche di scansione con Nmap su reti diverse	4
1.1 Configurazione rete.....	4
1.2 OS fingerprint	6
1.3 Syn scan.....	7
1.4 TCP connect.....	8
1.5 Version detection.....	8
1.6 Report.....	9
2 Tecniche di scansione con Nmap sulla stessa rete	11
2.1 Configurazione rete.....	11
2.2 OS fingerprint	13
2.3 Syn scan.....	14
2.4 TCP connect.....	15
2.5 Version detection	15
3 Differenze.....	16
3.1 OS fingerprint	16
3.2 Syn scan.....	16
3.3 TCP connect.....	16
3.4 Version detection	16

Sintesi esecutiva

Questo documento riassume i risultati delle scansioni condotte sulla macchina *Metasploitable* utilizzando Nmap, eseguite in due diverse configurazioni di rete (due macchine nella stessa rete vs. due macchine su reti separate). L'obiettivo è identificare le porte aperte e i servizi esposti e rilevare le differenze dei risultati tra le due configurazioni di rete.

Tecniche di scansione usate:

- OS fingerprint
- Syn Scan
- TCP connect
- Version detection

Perimetro

Il target prefissato è la macchina Metasploitable

Panoramica delle vulnerabilità

Sono state identificate le seguenti porte aperte con i relativi servizi

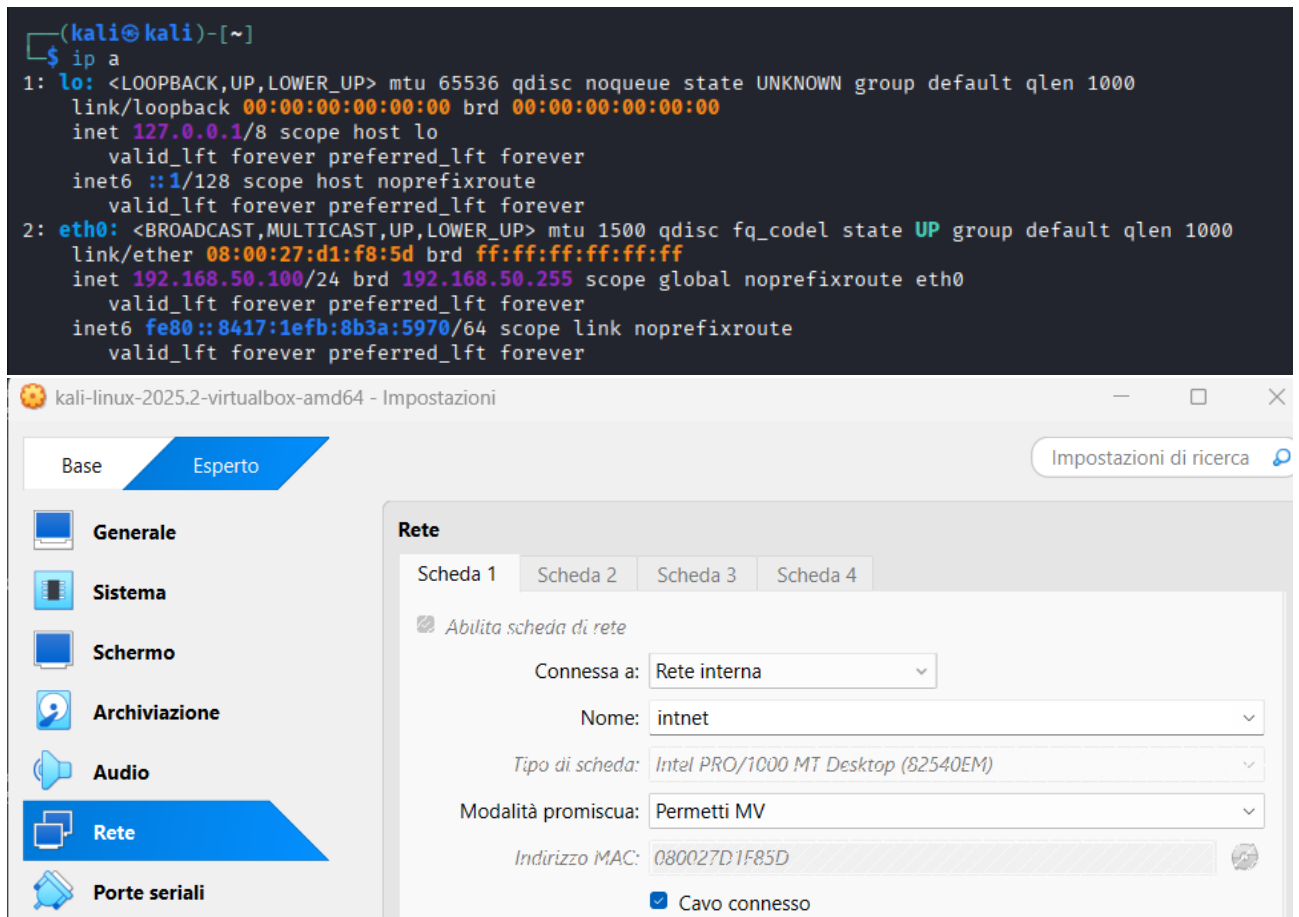
Port		Service
21	tcp	ftp
22	tcp	ssh
23	tcp	telnet
25	tcp	smtp
53	tcp	domain
80	tcp	http
111	tcp	rpcbind
139	tcp	netbios-ssn
445	tcp	netbios-ssn
512	tcp	exec
513	tcp	login
514	tcp	shell
1099	tcp	java-rmi
1524	tcp	bindshell
2049	tcp	nfs
2121	tcp	ccproxy-ftp
3306	tcp	mysql
5432	tcp	postgresql
5900	tcp	vnc
6000	tcp	X11
6667	tcp	irc
8009	tcp	ajp13
8180	tcp	http

1 Tecniche di scansione con Nmap su reti diverse

1.1 Configurazione rete

Il target e l'attaccante sono su due reti diverse

Kali



Metasploitable

```
msfadmin@metasploitable:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 08:00:27:e4:29:4e brd ff:ff:ff:ff:ff:ff
    inet 192.168.51.101/24 brd 192.168.51.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fee4:294e/64 scope link
        valid_lft forever preferred_lft forever
msfadmin@metasploitable:~$
```



Rete

Scheda 1: Intel PRO/1000 MT Desktop (Rete interna, 'intnet2')

pfSense

Pfsense [In esecuzione] - Oracle VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

Enter an option: ip a

VirtualBox Virtual Machine - Netgate Device ID: b89a44e26dddc234c26c

*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***

WAN (wan)	-> vtnet0	-> v4/DHCP4: 192.168.1.6/24
LAN (lan)	-> vtnet1	-> v4: 192.168.50.1/24
NOKALI (opt1)	-> vtnet2	-> v4: 192.168.51.1/24



Rete

Scheda 1: Rete paravirtualizzata (Scheda con bridge, Realtek RTL8821CE 802.11ac PCIe Adapter)

Scheda 2: Rete paravirtualizzata (Rete interna, 'intnet')

Scheda 3: Rete paravirtualizzata (Rete interna, 'intnet2')

(kali@kali)-[~]

\$ traceroute 192.168.51.101

traceroute to 192.168.51.101 (192.168.51.101), 30 hops max, 60 byte packets

1	pfSense.home.arpa (192.168.50.1)	0.860 ms	0.737 ms	0.676 ms
2	192.168.51.101 (192.168.51.101)	3.252 ms	3.101 ms	3.039 ms

1.2 OS fingerprint

`nmap -O 192.168.51.101`

```
(kali㉿kali)-[~]
$ nmap -O 192.168.51.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-16 16:05 EDT
Nmap scan report for 192.168.51.101
Host is up (0.0028s 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
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 2.10 seconds
```

1.3 Syn scan

`nmap -sS -v 192.168.51.101`

```
(kali㉿kali)-[~]
$ nmap -sS -v 192.168.51.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-16 16:07 EDT
Initiating Ping Scan at 16:07
Scanning 192.168.51.101 [4 ports]
Completed Ping Scan at 16:07, 0.02s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 16:07
Completed Parallel DNS resolution of 1 host. at 16:07, 0.00s elapsed
Initiating SYN Stealth Scan at 16:07
Scanning 192.168.51.101 [1000 ports]
Discovered open port 23/tcp on 192.168.51.101
Discovered open port 3306/tcp on 192.168.51.101
Discovered open port 139/tcp on 192.168.51.101
Discovered open port 111/tcp on 192.168.51.101
Discovered open port 22/tcp on 192.168.51.101
Discovered open port 21/tcp on 192.168.51.101
Discovered open port 445/tcp on 192.168.51.101
Discovered open port 5900/tcp on 192.168.51.101
Discovered open port 53/tcp on 192.168.51.101
Discovered open port 25/tcp on 192.168.51.101
Discovered open port 80/tcp on 192.168.51.101
Discovered open port 2121/tcp on 192.168.51.101
Discovered open port 5432/tcp on 192.168.51.101
Discovered open port 6667/tcp on 192.168.51.101
Discovered open port 8009/tcp on 192.168.51.101
Discovered open port 6000/tcp on 192.168.51.101
Discovered open port 514/tcp on 192.168.51.101
Discovered open port 1099/tcp on 192.168.51.101
Discovered open port 8180/tcp on 192.168.51.101
Discovered open port 513/tcp on 192.168.51.101
Discovered open port 512/tcp on 192.168.51.101
Discovered open port 2049/tcp on 192.168.51.101
Discovered open port 1524/tcp on 192.168.51.101
Completed SYN Stealth Scan at 16:07, 0.34s elapsed (1000 total ports)
Nmap scan report for 192.168.51.101
Host is up (0.0065s 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

Read data files from: /usr/share/nmap
Nmap done: 1 IP address (1 host up) scanned in 0.43 seconds
Raw packets sent: 1004 (44.152KB) | Rcvd: 1001 (40.120KB)
```

1.4 TCP connect

`nmap -sT 192.168.51.101`

```
(kali㉿kali)-[~]
$ nmap -sT 192.168.51.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-16 16:10 EDT
Nmap scan report for 192.168.51.101
Host is up (0.0029s 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

Nmap done: 1 IP address (1 host up) scanned in 0.49 seconds
```

1.5 Version detection

`nmap -sV 192.168.51.101`

```
(kali㉿kali)-[~]
$ nmap -sV 192.168.51.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-16 16:11 EDT
Nmap scan report for 192.168.51.101
Host is up (0.0019s 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  ccproxy-ftp?
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 173.33 seconds
```


1.6 Report

`nmap -oA versione -sV 192.168.51.101 && xsltproc versione.xml -o versione.html`

IP target: 192.168.51.101

Address

192.168.51.101 (ipv4)

Ports

The 977 ports scanned but not shown below are in state: **closed**

977 ports replied with: **reset**

Port		State (toggle closed [0] filtered [0])	Service	Reason	Product	Version	Extra info
21	tcp	open	ftp	syn-ack	vsftpd	2.3.4	
22	tcp	open	ssh	syn-ack	OpenSSH	4.7p1 Debian 8ubuntu1	protocol 2.0
23	tcp	open	telnet	syn-ack	Linux telnetd		
25	tcp	open	smtp	syn-ack	Postfix smtpd		
53	tcp	open	domain	syn-ack	ISC BIND	9.4.2	
80	tcp	open	http	syn-ack	Apache httpd	2.2.8	(Ubuntu) DAV/2
111	tcp	open	rpcbind	syn-ack		2	RPC #100000
139	tcp	open	netbios-ssn	syn-ack	Samba smbd	3.X - 4.X	workgroup: WORKGROUP
445	tcp	open	netbios-ssn	syn-ack	Samba smbd	3.X - 4.X	workgroup: WORKGROUP
512	tcp	open	exec	syn-ack	netkit-rsh rexecd		
513	tcp	open	login	syn-ack			

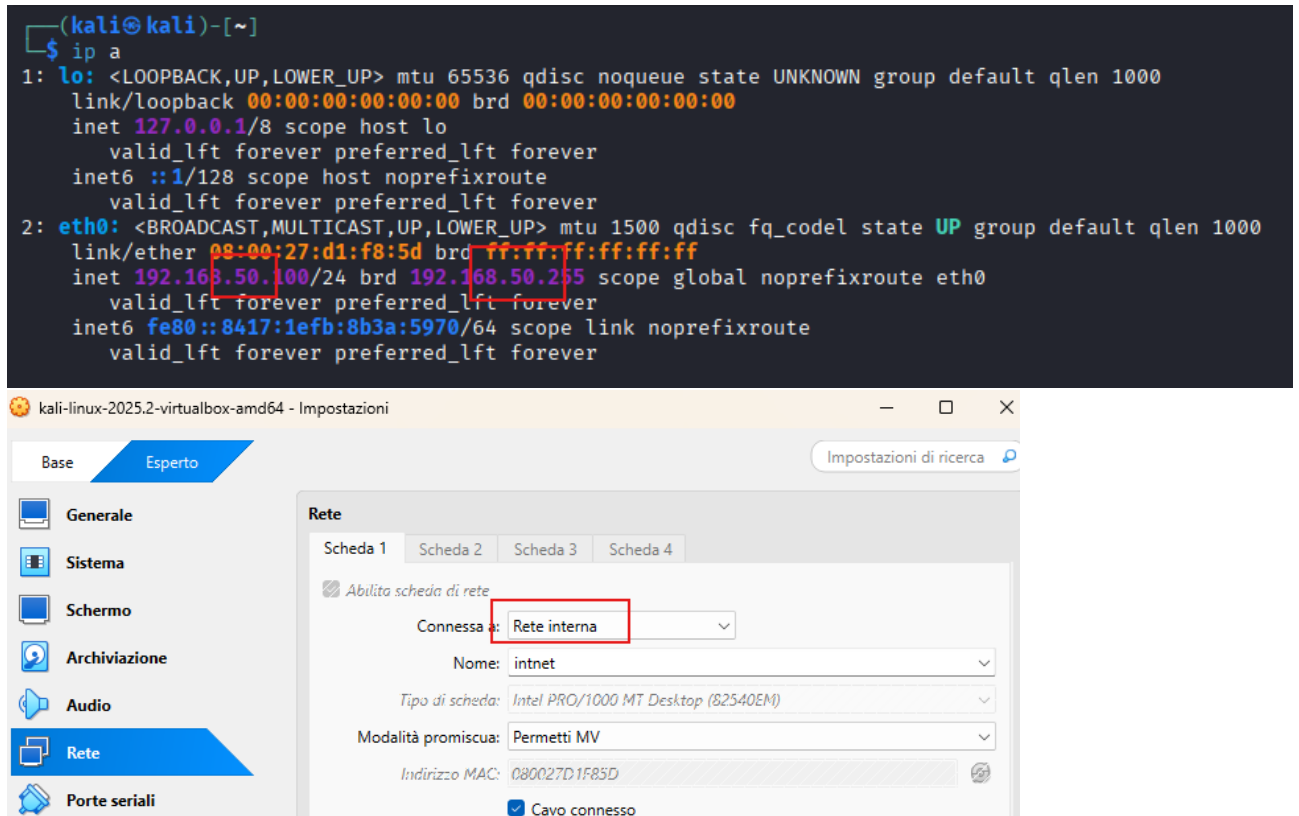
514	tcp	open	shell	syn-ack	Netkit rshd		
1099	tcp	open	java-rmi	syn-ack	GNU Classpath grmiregistry		
1524	tcp	open	bindshell	syn-ack	Metasploitable root shell		
2049	tcp	open	nfs	syn-ack		2-4	RPC #100003
2121	tcp	open	ccproxy- ftp	syn-ack			
3306	tcp	open	mysql	syn-ack	MySQL	5.0.51a- 3ubuntu5	
5432	tcp	open	postgresql	syn-ack	PostgreSQL DB	8.3.0 - 8.3.7	
5900	tcp	open	vnc	syn-ack	VNC		protocol 3.3
6000	tcp	open	X11	syn-ack			access denied
6667	tcp	open	irc	syn-ack	UnrealIRCd		
8009	tcp	open	ajp13	syn-ack	Apache Jserv		Protocol v1.3
8180	tcp	open	http	syn-ack	Apache Tomcat/Coyote JSP engine	1.1	

2 Tecniche di scansione con Nmap sulla stessa rete

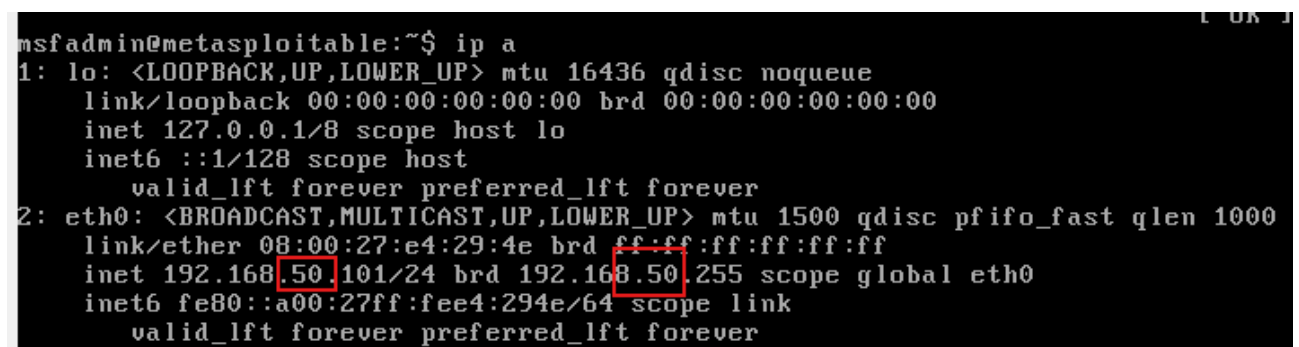
2.1 Configurazione rete

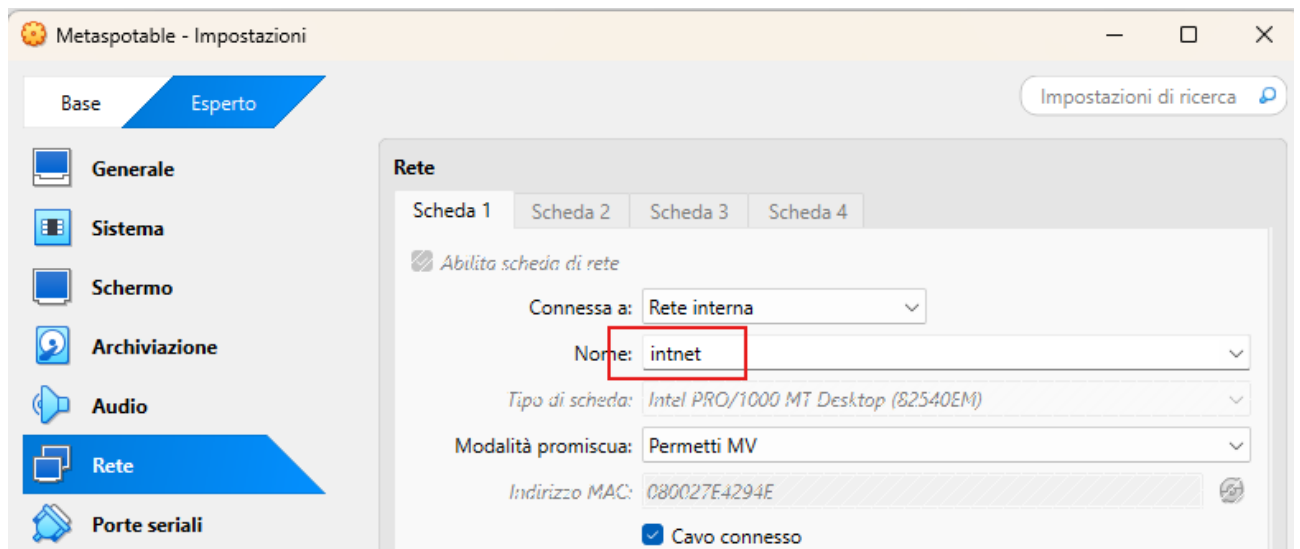
Il target e l'attaccante sono sulla stessa rete

Kali



Metasploitable





Prova che le due macchine comunicano e percorso dei pacchetti

```
(kali㉿kali)-[~]
$ ping 192.168.50.101
PING 192.168.50.101 (192.168.50.101) 56(84) bytes of data:
64 bytes from 192.168.50.101: icmp_seq=1 ttl=64 time=1.41 ms
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=1.16 ms
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=1.87 ms
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=1.85 ms
^C
— 192.168.50.101 ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3008ms
rtt min/avg/max/mdev = 1.160/1.572/1.873/0.301 ms

(kali㉿kali)-[~]
$ traceroute 192.168.50.101
traceroute to 192.168.50.101 (192.168.50.101), 30 hops max, 60 byte packets
1 192.168.50.101 (192.168.50.101) 1.878 ms 1.748 ms 1.610 ms
```

2.2 OS fingerprint

`nmap -O 192.168.50.101`

```
(kali@kali)-[~]
$ nmap -O 192.168.50.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-17 08:22 EDT
Nmap scan report for 192.168.50.101
Host is up (0.0015s 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:E4:29:4E (PCS Systemtechnik/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 14.83 seconds
```

2.3 Syn scan

`nmap -sS -v 192.168.50.101`

```
(kali㉿kali)-[~]
└─$ nmap -sS -v 192.168.50.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-17 08:23 EDT
Initiating ARP Ping Scan at 08:23
Scanning 192.168.50.101 [1 port]
Completed ARP Ping Scan at 08:23, 0.05s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 08:23
Completed Parallel DNS resolution of 1 host. at 08:24, 13.01s elapsed
Initiating SYN Stealth Scan at 08:24
Scanning 192.168.50.101 [1000 ports]
Discovered open port 445/tcp on 192.168.50.101
Discovered open port 21/tcp on 192.168.50.101
Discovered open port 111/tcp on 192.168.50.101
Discovered open port 23/tcp on 192.168.50.101
Discovered open port 25/tcp on 192.168.50.101
Discovered open port 22/tcp on 192.168.50.101
Discovered open port 139/tcp on 192.168.50.101
Discovered open port 53/tcp on 192.168.50.101
Discovered open port 5900/tcp on 192.168.50.101
Discovered open port 80/tcp on 192.168.50.101
Discovered open port 3306/tcp on 192.168.50.101
Discovered open port 6667/tcp on 192.168.50.101
Discovered open port 2049/tcp on 192.168.50.101
Discovered open port 6000/tcp on 192.168.50.101
Discovered open port 1099/tcp on 192.168.50.101
Discovered open port 1524/tcp on 192.168.50.101
Discovered open port 513/tcp on 192.168.50.101
Discovered open port 8180/tcp on 192.168.50.101
Discovered open port 2121/tcp on 192.168.50.101
Discovered open port 512/tcp on 192.168.50.101
Discovered open port 514/tcp on 192.168.50.101
Discovered open port 8009/tcp on 192.168.50.101
Discovered open port 5432/tcp on 192.168.50.101
Completed SYN Stealth Scan at 08:24, 0.50s elapsed (1000 total ports)
Nmap scan report for 192.168.50.101
Host is up (0.00046s 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:E4:29:4E (PCS Systemtechnik/Oracle VirtualBox virtual NIC)

Read data files from: /usr/share/nmap
Nmap done: 1 IP address (1 host up) scanned in 13.67 seconds
Raw packets sent: 1001 (44.028KB) | Rcvd: 1001 (40.120KB)
```

2.4 TCP connect

`nmap -sT 192.168.50.101`

```
(kali㉿kali)-[~]
$ nmap -sT 192.168.50.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-17 08:25 EDT
Nmap scan report for 192.168.50.101
Host is up (0.0055s 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:E4:29:4E (PCS Systemtechnik/Oracle VirtualBox virtual NIC)

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

2.5 Version detection

`nmap -sV 192.168.50.101`

```
(kali㉿kali)-[~]
$ nmap -sV 192.168.50.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-17 08:26 EDT
Nmap scan report for 192.168.50.101
Host is up (0.0010s 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:E4:29:4E (PCS Systemtechnik/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 66.26 seconds
```

3 Differenze

3.1 OS fingerprint

Confrontando i due test le porte rilevate sono rimaste le stesse, ma nella configurazione con rete singola è stato rilevato il MAC Address, è cambiato il numero di hops che il pacchetto ha dovuto attraversare e il tempo impiegato.

2 RETI	1 RETE
<pre>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 2.10 seconds</pre>	<pre>8180/tcp open unknown MAC Address: 08:00:27:E4:29:4E (PCS Systemtechnik/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 14.83 seconds</pre>

3.2 Syn scan

Confrontando i due test le porte rilevate sono rimaste le stesse, ma nella configurazione con rete singola è stato rilevato il MAC Address, è cambiato il numero di pacchetti inviati e il tempo impiegato.

2 RETI	1 RETE
<pre>6667/tcp open ajp13 8180/tcp open unknown Read data files from: /usr/share/nmap Nmap done: 1 IP address (1 host up) scanned in 0.43 seconds Raw packets sent: 1004 (44.152KB) Rcvd: 1001 (40.120KB)</pre>	<pre>MAC Address: 08:00:27:E4:29:4E (PCS Systemtechnik/Oracle VirtualBox virtual NIC) Read data files from: /usr/share/nmap Nmap done: 1 IP address (1 host up) scanned in 13.67 seconds Raw packets sent: 1001 (44.028KB) Rcvd: 1001 (40.120KB)</pre>

3.3 TCP connect

Confrontando i due test le porte rilevate sono rimaste le stesse, ma nella configurazione con rete singola è stato rilevato il MAC Address, è cambiato il tempo impiegato.

2 RETI	1 RETE
<pre>Nmap done: 1 IP address (1 host up) scanned in 0.49 seconds</pre>	<pre>MAC Address: 08:00:27:E4:29:4E (PCS Systemtechnik/Oracle VirtualBox virtual NIC) Nmap done: 1 IP address (1 host up) scanned in 13.24 seconds</pre>

3.4 Version detection

Confrontando i due test le porte rilevate sono rimaste le stesse, ma nella configurazione con rete singola è stato rilevato il MAC Address, è cambiato il tempo impiegato.

2 RETI	1 RETE
<pre>6667/tcp open irc UnrealIRCd 8009/tcp open ajp13 Apache/2.4.6 (Ubuntu) 8180/tcp open http Apache/2.4.6 (Ubuntu) Service Info: Hosts: metasploit.localdomain, irc.metasploit.localdomain; OS: 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 17.33 seconds</pre>	<pre>6667/tcp open irc UnrealIRCd 8009/tcp open ajp13 Apache/2.4.6 (Ubuntu) 8180/tcp open http Apache/2.4.6 (Ubuntu) Service Info: Hosts: metasploit.localdomain, irc.metasploit.localdomain; OS: 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 60.26 seconds</pre>