Report Scansioni NMAP

Con questo Screenshot si mostra l'indirizzo IP (192.168.159.136) della macchina *Metasploitable*.

In questo caso si mostra l'indirizzo IP (192.168.159.118) della macchina *Windows 7*.

OS Fingerprinting Metasploitable

```
kali@kali2023: ~
File Actions Edit View Help
___(kali⊕ kali2023)-[~]

$\frac{\sudo}{\sudo} \text{ nmap } -0 \text{ 192.168.159.136}
[sudo] password for kali:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-03-27 09:47 CET
Nmap scan report for 192.168.159.136
Host is up (0.0016s latency).
Not shown: 978 closed tcp ports (reset)
PORT
         STATE SERVICE
21/tcp
         open ftp
22/tcp
         open
                ssh
23/tcp
         open
                telnet
25/tcp
80/tcp
         open
                smtp
         open
                http
111/tcp open
                rpcbind
139/tcp open
                netbios-ssn
445/tcp
512/tcp
         open
                microsoft-ds
         open
                exec
513/tcp
        open
                login
514/tcp open
                shell
1099/tcp open
                rmiregistry
1524/tcp open
                ingreslock
2049/tcp open
2121/tcp open
                ccproxy-ftp
3306/tcp open
                mysql
5432/tcp open
                postgresql
5900/tcp open
6000/tcp open
6667/tcp open
8009/tcp open
                ajp13
8180/tcp open unknown
MAC Address: 32:21:3B:19:83:6C (Unknown)
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 1.53 seconds
```

Qui si è eseguito l'OS Fingerprinting su IP di Metasploitable.
Possiamo notare quali porte risultano aperte, tra le quali:
23(telnet);80(http) che possono risultare vulnerabili.
Questa scan ci mostra anche i dettagli del Sistema Operativo di
Metasploitable: Linux.

SYN scan Metasploitable

```
kali@kali2023: ~
File Actions Edit View Help
   -(kali⊕kali2023)-[~]
$ sudo nmap -sS 192.168.159.136
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-03-27 09:48 CET
Nmap scan report for 192.168.159.136
Host is up (0.00071s latency).
Not shown: 978 closed tcp ports (reset)
         STATE SERVICE
PORT
         open ftp
21/tcp
22/tcp
23/tcp
         open
               telnet
         open
25/tcp
         open
               smtp
         open
80/tcp
               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
               ingreslock
1524/tcp open
2049/tcp open
               nfs
2121/tcp open
               ccproxy-ftp
3306/tcp open
               mysql
               postgresql
5432/tcp open
5900/tcp open
6000/tcp open
               X11
6667/tcp open irc
8009/tcp open ajp13
8180/tcp open
               unknown
MAC Address: 32:21:3B:19:83:6C (Unknown)
Nmap done: 1 IP address (1 host up) scanned in 0.19 seconds
___(kali⊕ kali2023)-[~]
__$ ∏
```

Questa è la scan SYN che mostra, come la precedente scan, le porte aperte che si confermano le stesse.

Scansione '-sT' Metasploitable

```
kali@kali2023: ~
File Actions Edit View Help
___(kali⊕kali2023)-[~]

$ sudo nmap -sT 192.168.159.136
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-03-27 09:48 CET
Nmap scan report for 192.168.159.136
Host is up (0.0012s latency).
Not shown: 978 closed tcp ports (conn-refused)
PORT
         STATE SERVICE
         open ftp
open ssh
21/tcp
22/tcp
23/tcp
         open telnet
25/tcp
         open smtp
80/tcp
         open
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
2049/tcp open
                ingreslock
                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: 32:21:3B:19:83:6C (Unknown)
Nmap done: 1 IP address (1 host up) scanned in 0.16 seconds
___(kali⊛kali2023)-[~]
_$ <mark>|</mark>
```

Questa scan eseguita con -sT è in genere più invasiva rispetto alla precedente ma conferma comunque le stesse porte aperte.

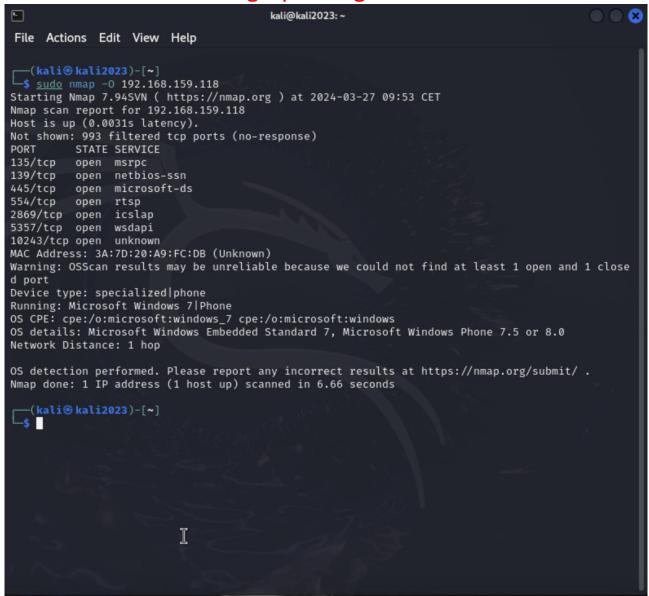
Version detection Metasploitable

```
kali@kali2023: ~
File Actions Edit View Help
(kali@kali2023)-[~]

$ sudo nmap -sV 192.168.159.136
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-03-27 09:48 CET
Nmap scan report for 192.168.159.136
Host is up (0.00068s latency).
Not shown: 978 closed tcp ports (reset)
PORT
         STATE SERVICE
                            VERSION
21/tcp
         open ftp
                            vsftpd 2.3.4
22/tcp
                            OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
         open
               ssh
23/tcp
               telnet
                            Linux telnetd
         open
                            Postfix smtpd
25/tcp
         open
               smtp
                            Apache httpd 2.2.8 ((Ubuntu) DAV/2)
80/tcp
         open
               http
111/tcp
               rpcbind
                           2 (RPC #100000)
        open
139/tcp
               netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
        open
               netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp
        open
512/tcp
        open
               exec
                            netkit-rsh rexecd
513/tcp
                            OpenBSD or Solaris rlogind
        open
               login
514/tcp open
               tcpwrapped
1099/tcp open
               java-rmi
                            GNU Classpath grmiregistry
1524/tcp open
               bindshell
                            Metasploitable root shell
2049/tcp open
                            2-4 (RPC #100003)
               nfs
2121/tcp open
               ftp
                            ProFTPD 1.3.1
3306/tcp open
                            MySQL 5.0.51a-3ubuntu5
               mysql
5432/tcp open
               postgresql PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open
                            VNC (protocol 3.3)
               vnc
6000/tcp open
                            (access denied)
               X11
6667/tcp open irc
                            UnrealIRCd
8009/tcp open ajp13
8180/tcp open http
                            Apache Jserv (Protocol v1.3)
Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 32:21:3B:19:83:6C (Unknown)
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 12.31 seconds
  -(kali⊛kali2023)-[~]
                                                          I
L$
```

La version detection di nmap ci fornisce i servizi e le versioni dei software in ascolto sulle porte che risultano aperte.

OS Fingerprinting Windows



Questa è la scan su OS Fingerprinting sulla macchina Windows 7.

Rispetto alla scansione effettuata su Metasploitable possiamo notare come le porte aperte siano di meno.

Questo fattore può essere dovuto dal fatto che sul sistema windows siano presenti Firewall che bloccano le porte e non permette di vederle una volta effettuata la scansione.