Macchina Kali

ip: 192.168.50.100

Macchina Metasploitable

lp: 192.168.50.101

Porte aperte:

21, 22, 23, 25, 53, 80, 111, 139, 445, 512, 513, 514, 1099, 1524, 2049, 2121, 3306, 5432, 5900, 6000, 6667, 8009, 8180

Macchina Windows 7

lp: 192.168.50.102

Porte aperte:

135, 139, 445, 5357, 49152-49156

In allegato lascio gli screenshot delle varie scansioni:

Scansioni a meta: Slide

- 1. Os fingerprint
- 2. Syn Scan
- 3. TCP connect
- 4. Version detection

La differenza tra syn e TCP è che la prima è di tipo Reset quindi si ferma al SYN-ACK mandando poi un reset per non lasciare tracce, la seconda è conn-refused perché il Three-Way-Handshake non va a buon fine per via delle regole dei firewall

Scansioni a windows 7: Slide

- 1. Os fingerprint
- 2. Apertura TCP/UDP nelle regole firewall in entrata
- 3. Apertura TCP/UDP nelle regole firewall in uscita

```
—(<mark>root@kali</mark>)-[/home/kali]
 -# nmap -0 192.168.50.101 --script smb-os-discovery
Starting Nmap 7.94SVN ( https://nmap.org ) at 2023-12-20 05:00 EST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.50.101
Host is up (0.00022s 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: 08:00:27:9C:2F:0A (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
Host script results:
| smb-os-discovery:
  OS: Unix (Samba 3.0.20-Debian)
  Computer name: metasploitable
   NetBIOS computer name:
   Domain name: localdomain
   FQDN: metasploitable.localdomain
System time: 2023-12-20T05:00:49-05:00
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.73 seconds
```

```
[root⊕kali]-[/home/kali]
 -# nmap -sS 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2023-12-20 04:41 EST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.50.101
Host is up (0.00020s latency).
Not shown: 977 closed tcp ports (reset)
        STATE SERVICE
PORT
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: 08:00:27:9C:2F:0A (Oracle VirtualBox virtual NIC)
```

Nmap done: 1 IP address (1 host up) scanned in 0.25 seconds

```
-(root®kali)-[/home/kali]
map -sT 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2023-12-20 04:41 EST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.50.101
Host is up (0.00037s 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: 08:00:27:9C:2F:0A (Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 0.20 seconds
```

```
-(root@kali)-[/home/kali]
map -sV 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2023-12-20 04:42 EST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.50.101
Host is up (0.00021s latency).
Not shown: 977 closed tcp ports (reset)
PORT
        STATE SERVICE
                          VERSION
21/tcp open ftp
                          vsftpd 2.3.4
                          OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
22/tcp
        open ssh
23/tcp
                          Linux telnetd
        open telnet
                          Postfix smtpd
25/tcp
        open smtp
        open domain
                          ISC BIND 9.4.2
53/tcp
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
                          GNU Classpath grmiregistry
1099/tcp open java-rmi
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
                          MvSQL 5.0.51a-3ubuntu5
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open vnc
                          VNC (protocol 3.3)
                          (access denied)
6000/tcp open X11
6667/tcp open irc
                          UnrealIRCd
                          Apache Jserv (Protocol v1.3)
8009/tcp open ajp13
                          Apache Tomcat/Coyote JSP engine 1.1
8180/tcp open http
MAC Address: 08:00:27:9C:2F:0A (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 52.91 seconds
```

```
-(root®kali)-[/home/kali]
map -0 192.168.50.102
Starting Nmap 7.94SVN ( https://nmap.org ) at 2023-12-20 04:51 EST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.50.102
Host is up (0.00028s latency).
Not shown: 991 filtered tcp ports (no-response)
PORT
         STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
5357/tcp open wsdapi
49152/tcp open unknown
49153/tcp open unknown
49154/tcp open unknown
49155/tcp open unknown
49156/tcp open unknown
MAC Address: 08:00:27:F0:B5:88 (Oracle VirtualBox virtual NIC)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: specialized|phone
Running: Microsoft Windows 7|Phone
OS CPE: cpe:/o:microsoft:windows_7 cpe:/o:microsoft:windows
OS details: Microsoft Windows Embedded Standard 7, Microsoft Windows Phone 7.5 or 8.0
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 7.33 seconds
```



