

Si andranno a trovare informazioni utili sulla macchina Meta tramite strumenti di Host Scanning.

Nmap -sS esegue una scansione stealth molto veloce, in quanto non conclude il 3 way handshake ma va a fermarsi al primo passaggio, andando ad individuare le porte aperte di quell'Host.

Con -sV si andrà a visualizzare la versione di ogni servizio.

Con -T si indica la velocità con la quale si esegue il servizio.

```
(root@kali)-[/home/kali]
# nmap -sS -sV -T4 192.168.32.102
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-05 16:34 EST
Nmap scan report for 192.168.32.102
Host is up (0.00018s 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  unknown
MAC Address: 08:00:27:4E:32:53 (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 186.03 seconds
```

-sn mostra solo quali host sono attivi nel range che decidiamo, in questo caso si è andato ad indicare l'intera classe di rete.

-PE manda richieste ICMP, come un Ping.

```
(root@kali)-[/home/kali]
# nmap -sn -PE 192.168.32.1/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-05 16:39 EST
Nmap scan report for 192.168.32.102
Host is up (0.0019s latency).
MAC Address: 08:00:27:4E:32:53 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Nmap scan report for 192.168.32.100
Host is up.
Nmap done: 256 IP addresses (2 hosts up) scanned in 29.88 seconds
```

Netdiscover -r visualizza anche lui ogni Ip presente

Currently scanning: Finished! | Screen View: Unique Hosts

Home

1 Captured ARP Req/Rep packets, from 1 hosts. Total size: 60

IP	At MAC Address	Count	Len	MAC Vendor / Hostname
192.168.32.102	08:00:27:4e:32:53	1	60	PCS Systemtechnik GmbH

File System

(root@kali)-[/home/kali]

netdiscover -r 192.168.32.1/24

nmap -A esegue un'analisi molto più completa.

```
(root@kali)-[/home/kali]
# nmap -A 192.168.32.102 -p 1-1024
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-05 16:47 EST
Nmap scan report for 192.168.32.102
Host is up (0.00100s latency).
Not shown: 1012 closed tcp ports (reset)
PORT      STATE SERVICE        VERSION
21/tcp    open  ftp            vsftpd 2.3.4
|_ ftp-syst:
|_ STAT:
|_ FTP server status:
|_   Connected to 192.168.32.100
|_   Logged in as ftp
|_   TYPE: ASCII
|_   No session bandwidth limit
|_   Session timeout in seconds is 300
|_   Control connection is plain text
|_   Data connections will be plain text
|_   vsFTPd 2.3.4 - secure, fast, stable
|_ End of status
|_ ftp-anon: Anonymous FTP login allowed (FTP code 230)
22/tcp    open  ssh            OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
|_ ssh-hostkey:
|_   1024 60:0f:cf:e1:c0:5f:6a:74:d6:90:24:fa:c4:d5:6c:cd (DSA)
|_   2048 56:56:24:0f:21:1d:de:a7:2b:ae:61:b1:24:3d:e8:f3 (RSA)
23/tcp    open  telnet        linux telnetd
25/tcp    open  smtp          Postfix smtpd
|_ smtp-command: metasploitable.localdomain, PIPELINING, SIZE 10240000, VRFY, ETRN, STARTTLS, ENHANCEDSTATUSCODES, 8BITMIME, DSN
53/tcp    open  domain        ISC BIND 9.4.2
|_ dns-nsid:
|_   bind.version: 9.4.2
80/tcp    open  http          Apache httpd 2.2.8 ((Ubuntu) DAV/2)
|_ http-server-header: Apache/2.2.8 (Ubuntu) DAV/2
|_ http-title: Metasploitable2 - Linux
111/tcp   open  rpcbind       2 (RPC #100000)
|_ rpcinfo:
|_   program version port/proto service
|_   100000 2 111/tcp rpcbind
|_   100000 2 111/udp rpcbind
|_   100003 2,3,4 2049/tcp nfs
|_   100003 2,3,4 2049/udp nfs
|_   100005 1,2,3 3779/tcp mountd
|_   100005 1,2,3 56670/udp mountd
|_   100021 1,3,4 41661/udp nlockmgr
|_   100021 1,3,4 52996/tcp nlockmgr
|_   100024 1 41455/tcp status
|_   100024 1 57005/udp status
139/tcp   open  netbios-ssn   Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp   open  netbios-ssn   Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
512/tcp   open  exec          netkit-rsh rexecd
513/tcp   open  login?
514/tcp   open  shell         Netkit rshd
MAC Address: 08:00:27:4E:32:53 (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
Service Info: Host: metasploitable.localdomain; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

Host script results:
|_ smb2-time: Protocol negotiation failed (SMB2)
|_ clock-skew: mean: 2h30m07s, deviation: 3h32m08s, median: 6s
|_ smb-security-mode:
|_   account_used: guest
|_   authentication_level: user
|_   challenge_response: supported
|_   message_signing: disabled (dangerous, but default)
|_ nbstat: NetBIOS name: METASPLOITABLE, NetBIOS user: <unknown>, NetBIOS MAC: <unknown> (unknown)
|_ smb-os-discovery:
|_   OS: Unix (Samba 3.0.20-Debian)
|_   Computer name: metasploitable
|_   NetBIOS computer name:
|_   Domain name: localdomain
|_   FQDN: metasploitable.localdomain
|_   System time: 2025-12-05T16:48:27-05:00

TRACEROUTE
HOP RTT ADDRESS
1 1.00 ms 192.168.32.102

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 88.03 seconds

(root@kali)-[/home/kali]
#
```