Per **Metaspoitable**:

Possiamo effettuare la scansione <u>OS fingerprint</u> tramite il comando da terminale **sudo nmap -O 192.168.50.101** oppure utilizzando lo script nmap **smb-os-discovery.nse** già installato su Kali Linux presente nella cartella **/usr/share/nmap/scripts**.

```
(kali@ kali)=[~]
$ sudo nmap -0 192.168.50.101
[sudo] password for kali:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 08:30 EST
Nmap scan report for 192.168.50.101
Host is up (0.0013s latency).
Not shown: 977 closed tcp ports (reset)
PORT STATE SERVICE
21/tcp open ftp
22/tcp open ssh
21/tcp
22/tcp
23/tcp
25/tcp
53/tcp
                                          ssh
                        open
                       open
                                          telnet
                                          smtp
domain
                         open
53/tcp open
80/tcp open
111/tcp open
139/tcp open
445/tcp open
512/tcp open
513/tcp open
514/tcp open
1099/tcp open
1524/tcp open
1524/tcp open
2121/tcp open
2121/tcp open
3306/tcp open
5432/tcp open
5900/tcp open
6000/tcp open
6667/tcp open
8009/tcp open
8180/tcp open
                         open
                                          http
rpcbind
                                          netbios-ssn
                                          microsoft-ds
                                         login
shell
                                          rmiregistry
                                          ingreslock
                                          mysql
                                          postgresql
                                        irc
ajp13
8180/tcp open unknown
MAC Address: 08:00:27:1B:C2:1A (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 2.59 seconds
```

```
| (kali@ kali) - [/usr/share/nmap/scripts] | $ sudo nmap 192.168.50.101 --script smb-os-discovery.nse | Starting Nmap 7.945VN ( https://immap.org ) at 2024-02-21 08:38 EST | Nmap scan report for 192.168.50.101 | Nmap scan report for 192.168.50.101 | Not shown: 977 closed tcp ports (reset) | Not shown: 977 closed tcp ports (reset) | PORT | STATE SERVICE | 21/tcp open fttp | 22/tcp open ssh | 23/tcp open telnet | 25/tcp open domain | 25/tcp open methods | 25/tcp open methods | 25/tcp open nethods | 25/t
```

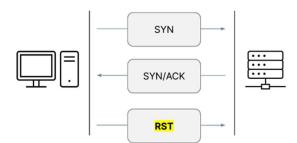
Eseguiamo la <u>SYN scan</u> con **sudo nmap -sS 192.168.50.101** mentre la <u>TCP connect</u> con **sudo nmap -sT 192.168.50.101**.

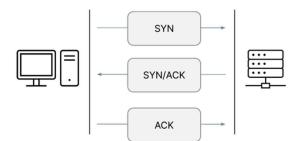
```
(kali⊗kali)-[~]
sudo nmap -sS 192.168.50.101
[sudo] password for kali:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 08:46 EST
Nmap scan report for 192.168.50.101
Host is up (0.00064s latency).
Not shown: 977 closed tcp ports (reset)
         STATE SERVICE
PORT
21/tcp
         open ftp
22/tcp
          open
                ssh
23/tcp
         open telnet
         open smtp
open domain
25/tcp
53/tcp
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: 08:00:27:1B:C2:1A (Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 0.72 seconds
```

```
-(kali⊕kali)-[~]
$\sudo nmap -sT 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 08:50 EST
Nmap scan report for 192.168.50.101
Host is up (0.0016s latency).
Not shown: 977 closed tcp ports (conn-refused)
         STATE SERVICE
PORT
21/tcp
         open ftp
22/tcp
         open ssh
23/tcp
         open telnet
         open smtp
open domain
25/tcp
53/tcp
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: 08:00:27:1B:C2:1A (Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 0.52 seconds
```

Dal punto di vista del risultato non vi è differenza tra la scansione lanciata con -sS e quella lanciata con -sT.

- -sS: meno invasivo. Nmap non completa il 3-way-handshake, ma chiude la comunicazione inviando un pacchetto RST (reset). Tuttavia, riesce a recuperare informazioni sullo stato della porta. Utile in quanto genera meno entropia e «rumore» a livello di rete.
- -sT: scan invasivo. Nmap completa il 3-way-handshake, creando così il canale. Recupera info sullo stato della porta, ma crea più «rumore a livello network» ed è dunque una tecnica di scanning più identificabile e che su grosse reti potrebbe creare congestioni di rete.





Tuttavia conoscendo la differenza tra i due metodi analizzo i pacchetti inviati con **wireshark** ed effettivamente si può notare come nel caso della scansione lanciata con -sT venga effettivamente inviato un pacchetto **ACK** che completa la connessione TCP prima di chiuderla, a differenza del metodo –sS in cui alla ricezione del pacchetto **SYN** viene chiusa la connessione con **RST**.

No.	Time	Source	Destination	Protocol Le	ngth Info
	1 0.000000000	PCSSystemtec_21:b1:		ARP	44 Who has 192.168.59.101? Tell 192.168.59.100
	2 0.000401733	PCSSystemtec_1b:c2:		ARP	62 192.168.50.101 is at 08:00:27:1b:c2:1a
	3 0.112956517	192.168.50.100	8.8.8.8	DNS	89 Standard query 0x0436 PTR 101.50.168.192.in-addr.arpa
	4 0.141077682	8.8.8.8	192.168.50.100	DNS	89 Standard query response 0x0436 No such name PTR 101.50.168.192.in-addr.arpa
	5 0.233158469	192.168.50.100	192.168.50.101	TCP	60 57028 - 993 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	6 0.233310009	192.168.50.100	192.168.50.101	TCP	60 57028 - 22 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	7 0.233359033	192.168.50.100	192.168.50.101	TCP	60 57028 - 3389 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	8 0.233410592	192.168.50.100	192.168.50.101	TCP	60 57028 → 80 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	9 0.233453531	192.168.50.100	192.168.50.101	TCP	60 57028 - 111 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	10 0.233502845	192.168.50.100	192.168.50.101	TCP	60 57028 - 135 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	11 0.233558837	192.168.50.100	192.168.50.101	TCP	60 57028 - 8080 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	12 0.233633547	192.168.50.100	192.168.50.101	TCP	60 57028 - 995 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	13 0.233720531	192.168.50.100	192.168.50.101	TCP	60 57028 - 1720 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	14 0.233786271	192.168.50.100	192.168.50.101	TCP	60 57028 - 1723 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
	15 0.234415051	192.168.50.101	192.168.50.100	TCP	62 993 → 57028 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	16 0.234415735	192.168.50.101	192.168.50.100	TCP	62 22 - 57028 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
	17 0.234415896	192.168.50.101	192.168.50.100	TCP	62 3389 - 57028 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	18 0.234508264	192.168.50.100	192.168.50.101	TCP	56 57028 - 22 [RST] Seq=1 Win=0 Len=0
	19 0.234801580	192.168.50.101	192.168.50.100	TCP	62 80 - 57028 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
	20 0.234801748	192.168.50.101	192.168.50.100	TCP	62 111 - 57028 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
	21 0.234801971	192.168.50.101	192.168.50.100	TCP	62 135 - 57028 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	22 0.234802169	192.168.50.101	192.168.50.100	TCP	62 8080 - 57028 [RST. ACK] Seg=1 Ack=1 Win=0 Len=0

No.	Time	Source	Destination	Protocol	Length Info
	61 0.279544395	192.168.50.100	192.168.50.101	TCP	76 42080 - 143 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830497 TSecr=0 WS=128
	62 0.279647724	192.168.50.100	192.168.50.101	TCP	76 48506 - 139 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830497 TSecr=0 WS=128
	63 0.279939116	192.168.50.100	192.168.50.101	TCP	76 53088 - 135 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830497 TSecr=0 WS=128
	64 0.280052601	192.168.50.100	192.168.50.101	TCP	76 46784 - 445 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830497 TSecr=0 WS=128
	65 0.280689040	192.168.50.101	192.168.50.100	TCP	62 143 - 42000 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	66 0.281019636	192.168.50.101	192.168.50.100	TCP	76 139 - 48506 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=739572 TSecr=1561830497 WS=128
	67 0.281020078	192.168.50.101	192.168.50.100	TCP	62 135 - 53088 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	68 0.281020240	192.168.50.101	192.168.50.100	TCP	76 445 - 46784 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=739572 TSecr=1561830497 WS=128
	69 0.281066256	192.168.50.100	192.168.50.101	TCP	68 48506 → 139 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=1561830498 TSecr=739572
	70 0.281131747	192.168.50.100	192.168.50.101	TCP	68 46784 - 445 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=1561830499 TSecr=739572
	71 0.281220581	192.168.50.100	192.168.50.101	TCP	76 57490 - 587 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=1561830499 TSecr=0 WS=128
	72 0.281548752	192.168.50.100	192.168.50.101	TCP	76 54646 - 256 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830499 TSecr=0 WS=128
	73 0.281664720	192.168.50.100	192.168.50.101	TCP	76 39278 - 199 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=1561830499 TSecr=0 WS=128
4	74 0.281885287	192.168.50.100	192.168.50.101	TCP	76 59172 - 10025 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830499 TSecr=0 WS=128
	75 0.282178822	192.168.50.101	192.168.50.100	TCP	62 587 → 57490 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	76 0.282179239	192.168.50.101	192.168.50.100	TCP	62 256 - 54646 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	77 0.282179428	192.168.50.101	192.168.50.100	TCP	62 199 - 39278 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
	78 0.282380029	192.168.50.100	192.168.50.101	TCP	76 42708 - 7741 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1561830500 TSecr=0 WS=128
	79 0.282884655	192.168.50.100	192.168.50.101	TCP	68 44182 - 111 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=1561830500 TSecr=739572
	80 0.283020029	192.168.50.100	192.168.50.101	TCP	68 43968 - 21 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=1561830500 TSecr=739572

Il <u>version detection</u> dei servizi in ascolto lo otteniamo con **sudo nmap -sV 192.168.50.101**; -sV è a tutti gli effetti una scansione TCP connect con l'aggiunta di specifici test grazie ai quali oltre al servizio recuperiamo anche la versione e i relativi dettagli.

```
-(kali⊕kali)-[~]
sudo nmap -sV 192.168.50.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 09:11 EST
Nmap scan report for 192.168.50.101
Host is up (0.00025s latency).
Not shown: 977 closed tcp ports (reset)
        STATE SERVICE
PORT
                         VERSION
                          vsftpd 2.3.4
21/tcp
        open ftp
22/tcp open ssh
                          OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
                        Linux telnetd
23/tcp open telnet
25/tcp open smtp
                          Postfix smtpd
53/tcp open domain
                        ISC BIND 9.4.2
                        Apache httpd 2.2.8 ((Ubuntu) DAV/2)
80/tcp
        open http
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)
                          netkit-rsh rexecd
512/tcp open exec
513/tcp open login?
514/tcp open shell
                          Netkit rshd
                          GNU Classpath grmiregistry
1099/tcp open
              java-rmi
              bindshell
1524/tcp open
                          Metasploitable root shell
2049/tcp open nfs
                          2-4 (RPC #100003)
                          ProFTPD 1.3.1
2121/tcp open ftp
                          MySQL 5.0.51a-3ubuntu5
3306/tcp open mysql
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)
                          UnrealIRCd
6667/tcp open
8009/tcp open ajp13
                          Apache Jserv (Protocol v1.3)
                          Apache Tomcat/Coyote JSP engine 1.1
8180/tcp open http
MAC Address: 08:00:27:1B:C2:1A (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 53.77 seconds
```

In particolare possiamo notare utilizzando wireshark che vengono scambiati dei messaggi contenenti **dati** una volta stabilita la connessione TCP per determinare la versione dei servizi che rispondono.

No. Time	Source	Destination	Protocol	Length Info
2752 45.444935839	192.168.50.101	192.168.50.100	TCP	68 111 → 634 [FIN, ACK] Seq=29 Ack=46 Win=5888 Len=0 TSval=827071 TSecr=1562704954
2753 45.445009448	192.168.50.100	192.168.50.101	TCP	68 634 → 111 [ACK] Seq=46 Ack=30 Win=64256 Len=0 TSval=1562704956 TSecr=827071
2754 45.445402346	192.168.50.101	192.168.50.100	TCP	68 111 → 960 [FIN, ACK] Seq=29 Ack=46 Win=5888 Len=0 TSval=827071 TSecr=1562704954
2755 45.445402740	192.168.50.101	192.168.50.100	TCP	68 111 → 987 [FIN, ACK] Seq=29 Ack=46 Win=5888 Len=0 TSval=827071 TSecr=1562704954
2756 45.445402902	192.168.50.101	192.168.50.100	TCP	68 111 → 801 [FIN, ACK] Seq=37 Ack=46 Win=5888 Len=0 TSval=827071 TSecr=1562704954
2757 45.445443509	192.168.50.100	192.168.50.101	TCP	68 960 → 111 [ACK] Seq=46 Ack=30 Win=64256 Len=0 TSval=1562704956 TSecr=827071
2758 45.445502468	192.168.50.100	192.168.50.101	TCP	68 987 → 111 [ACK] Seq=46 Ack=30 Win=64256 Len=0 TSval=1562704956 TSecr=827071
2759 45.445543413	192.168.50.100	192.168.50.101	TCP	68 801 → 111 [ACK] Seq=46 Ack=38 Win=64256 Len=0 TSval=1562704956 TSecr=827071
2760 45.491628082	192.168.50.101	192.168.50.100	TCP	665 80 - 57740 [PSH, ACK] Seq=1 Ack=41 Win=5888 Len=597 TSval=827076 TSecr=1562704955 [TCP segment of a reassembled PDU]
2761 45.491628925	192.168.50.101	192.168.50.100	TCP	492 80 - 57740 [PSH, ACK] Seq=598 Ack=41 Win=5888 Len=424 TSval=827076 TSecr=1562704955 [TCP segment of a reassembled PDU]
2762 45.491629092	192.168.50.101	192.168.50.100	TCP	141 80 - 57740 [PSH, ACK] Seq=1022 Ack=41 Win=5888 Len=73 TSval=827076 TSecr=1562704955 [TCP segment of a reassembled PDU]
2763 45.491696967	192.168.50.100	192.168.50.101	TCP	68 57740 - 80 [ACK] Seq=41 Ack=598 Win=64128 Len=0 TSval=1562705002 TSecr=827076
2764 45.491903108	192.168.50.100	192.168.50.101	TCP	68 57740 → 80 [ACK] Seq=41 Ack=1022 Win=64128 Len=0 TSval=1562705003 TSecr=027076
2765 45.491961661	192.168.50.100	192.168.50.101	TCP	68 57740 → 80 [ACK] Seq=41 Ack=1095 Win=64128 Len=0 TSval=1562705003 TSecr=027076
2766 45.498632904	192.168.50.101	192.168.50.100	HTTP	73 HTTP/1.1 200 OK (text/html)
2767 45.498676638	192.168.50.100	192.168.50.101	TCP	68 57740 → 80 [ACK] Seq=41 Ack=1100 Win=64128 Len=0 TSval=1562705009 TSecr=027076
2768 45.548926863	192.168.50.100	192.168.50.101	TCP	68 57740 - 80 [RST, ACK] Seq=41 Ack=1100 Win=64128 Len=0 TSval=1562705060 TSecr=827076
2769 47.281970357	192.168.50.101	192.168.50.100	TCP	4412 8180 - 41362 [ACK] Seq=1 Ack=20 Win=5888 Len=4344 TSval=827255 TSecr=1562703785 [TCP segment of a reassembled PDU]
2770 47.282033882	192.168.50.100	192.168.50.101	TCP	56 41362 - 8180 [RST] Seq=20 Win=0 Len=0
2771 52.336390527	192.168.50.100	192.168.50.101	TCP	68 46594 - 8180 [FIN, ACK] Seq=19 Ack=1 Win=64256 Len=0 TSval=1562711847 TSecr=827059
2772 52.336792478	192.168.50.100	192.168.50.101	TCP	76 50136 - 8180 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSVal=1562711847 TSecr=0 WS=128
2773 52 337360/67	192 168 50 101	192 168 50 100	TCP	76 8180 - 50136 [CVN] ACK] Senze Arkzi Winz6792 Lenze MSSZ1/60 SACK DEDM TSValz827761 TSenz=15607118/7 WSZ108

Per Windows 7:

Dobbiamo lanciare i comandi nmap con target windows 7 con il flag **-Pn** sempre presente; infatti il **firewall** di windows di default blocca i ping da altre macchine e con il flag evitiamo che essi vengano mandati.

```
-(kali⊕kali)-[~]
 -$ <u>sudo</u> nmap -Pn -0 192.168.50.102
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 10:28 EST
Nmap scan report for 192.168.50.102
Host is up (0.00058s latency).
Not shown: 993 filtered tcp ports (no-response)
PORT
         STATE SERVICE
135/tcp
        open msrpc
139/tcp
         open netbios-ssn
445/tcp
               microsoft-ds
         open
554/tcp
         open
               rtsp
2869/tcp open
               icslap
5357/tcp
         open
               wsdapi
10243/tcp open unknown
MAC Address: 08:00:27:1E:09:8F (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 6.99 seconds
```

Notiamo che nmap ci indica che i risultati della scansione sono inaffidabili, probabilmente proprio a causa del sopracitato firewall che ostacola il recupero di informazioni da parte del programma.

Una possibile soluzione al problema è quella di provare ad effettuare l'OS fingerprint su windows 7 utilizzando un protocollo diverso, non ostacolato dal firewall. Utilizziamo quindi lo script nmap smb-os-discovery.nse già installato su Kali Linux presente nella cartella /usr/share/nmap/scripts che è basato sul protocollo **SMB (Server Message Block)**, usato soprattutto dai sistemi microsoft windows, principalmente per condividere file, stampanti, porte seriali e comunicazioni di varia natura tra diversi nodi di una rete; esso include anche un meccanismo di comunicazione tra processi autenticata.

Osserviamo che tale script fornisce dettagli decisamente più accurati e veritieri sul sistema operativo target in questo caso.

```
-(kali@kali)-[/usr/share/nmap/scripts]
$ sudo nmap 192.168.50.102 -- script smb-os-discovery.nse
[sudo] password for kali:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-21 10:33 EST
Nmap scan report for 192.168.50.102
Host is up (0.00060s latency).
Not shown: 993 filtered tcp ports (no-response)
         STATE SERVICE
PORT
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
554/tcp open rtsp
2869/tcp open icslap
5357/tcp open wsdapi
10243/tcp open unknown
MAC Address: 08:00:27:1E:09:8F (Oracle VirtualBox virtual NIC)
Host script results:
| smb-os-discovery:
    OS: Windows 7 Professional 7601 Service Pack 1 (Windows 7 Professional 6.1)
    OS CPE: cpe:/o:microsoft:windows_7::sp1:professional
    Computer name: Desktop-PC
    NetBIOS computer name: DESKTOP-PC\x00
    Workgroup: WORKGROUP\x00
|_ System time: 2024-02-21T16:33:41+01:00
Nmap done: 1 IP address (1 host up) scanned in 11.88 seconds
```