```
┌──(kali㊂kali)-[~]
└─$ sudo adduser test_user
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 `test_user' to group `users' ...

┌──(kali㊂kali)-[~]
└─$ █
```

```
┌──(kali㊙kali)-[~]
└─$  ssh test_user@192.168.50.100
The authenticity of host '192.168.50.100 (192.168.50.100)' can't be established.
ED25519 key fingerprint is SHA256:fxSnG5buNsHGnSys2fHuv8zD5jIUk9mfdur8to2yizo.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '192.168.50.100' (ED25519) to the list of known hosts.
test_user@192.168.50.100's password:
Linux kali 6.6.9-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.6.9-1kali1 (2024-01-08) x86_64

The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
┌──(test_user㊙kali)-[~]
└─$ █
```

```
┌──(kali㉿kali)-[~]
└─$ hydra -L user.txt -P pass.txt -vV 192.168.50.100 ssh
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak – Please do not use in military or secret service organizati
ons, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-07-04 11:40:24
[WARNING] Many SSH 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, 16 login tries (l:4/p:4), ~1 try per task
[DATA] attacking ssh://192.168.50.100:22/
[VERBOSE] Resolving addresses ... [VERBOSE] resolving done
[INFO] Testing if password authentication is supported by ssh://test_user@192.168.50.100:22
[INFO] Successful, password authentication is supported by ssh://192.168.50.100:22
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "testpass" - 1 of 16 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "password" - 2 of 16 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "guest" - 3 of 16 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "therapper" - 4 of 16 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "admin" - pass "testpass" - 5 of 16 [child 4] (0/0)
[ATTEMPT] target 192.168.50.100 - login "admin" - pass "password" - 6 of 16 [child 5] (0/0)
[ATTEMPT] target 192.168.50.100 - login "admin" - pass "guest" - 7 of 16 [child 6] (0/0)
[ATTEMPT] target 192.168.50.100 - login "admin" - pass "therapper" - 8 of 16 [child 7] (0/0)
[ATTEMPT] target 192.168.50.100 - login "guest" - pass "testpass" - 9 of 16 [child 8] (0/0)
[ATTEMPT] target 192.168.50.100 - login "guest" - pass "password" - 10 of 16 [child 9] (0/0)
[ATTEMPT] target 192.168.50.100 - login "guest" - pass "guest" - 11 of 16 [child 10] (0/0)
[ATTEMPT] target 192.168.50.100 - login "guest" - pass "therapper" - 12 of 16 [child 11] (0/0)
[ATTEMPT] target 192.168.50.100 - login "pippo" - pass "testpass" - 13 of 16 [child 12] (0/0)
[ATTEMPT] target 192.168.50.100 - login "pippo" - pass "password" - 14 of 16 [child 13] (0/0)
[ATTEMPT] target 192.168.50.100 - login "pippo" - pass "guest" - 15 of 16 [child 14] (0/0)
[ATTEMPT] target 192.168.50.100 - login "pippo" - pass "therapper" - 16 of 16 [child 15] (0/0)
[ERROR] could not connect to target port 22: Socket error: Connection reset by peer
[ERROR] ssh protocol error
[VERBOSE] Disabled child 14 because of too many errors
[ERROR] could not connect to target port 22: Socket error: Connection reset by peer
[ERROR] ssh protocol error
[VERBOSE] Disabled child 7 because of too many errors
[22][ssh] host: 192.168.50.100   login: test_user   password: testpass
[REDO-ATTEMPT] target 192.168.50.100 - login "pippo" - pass "guest" - 17 of 18 [child 0] (1/2)
[ERROR] could not connect to target port 22: Socket error: disconnected
[ERROR] ssh protocol error
[VERBOSE] Retrying connection for child 0
[REDO-ATTEMPT] target 192.168.50.100 - login "admin" - pass "therapper" - 17 of 18 [child 0] (2/2)
[STATUS] attack finished for 192.168.50.100 (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 2024-07-04 11:40:30

┌──(kali㉿kali)-[~]
└─$ ▮
```

```
┌──(kali㉿kali)-[~]
└─$ sudo apt-get install vsftpd

[sudo] password for kali:
Reading package lists ... Done
Building dependency tree ... 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 NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 1644 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+b4 [143 kB]
Fetched 143 kB in 1s (278 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 417732 files and directories currently installed.)
Preparing to unpack ... /vsftpd_3.0.3-13+b4_amd64.deb ...
Unpacking vsftpd (3.0.3-13+b4) ...
Setting up vsftpd (3.0.3-13+b4) ...
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 (2.12.1-1) ...
Processing triggers for kali-menu (2023.4.7) ...
```

```
┌──(kali㉿kali)-[~]
└─$ nano user.txt

┌──(kali㉿kali)-[~]
└─$ nano pass.txt

┌──(kali㉿kali)-[~]
└─$ hydra -L user.txt -P pass.txt -t 4 -V 192.168.50.100 ftp
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizatio
ns, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-07-04 10:21:54
[WARNING] Restorefile (you have 10 seconds to abort ... (use option -I to skip waiting)) from a previous session foun
d, to prevent overwriting, ./hydra.restore
[DATA] max 4 tasks per 1 server, overall 4 tasks, 16 login tries (l:4/p:4), ~4 tries per task
[DATA] attacking ftp://192.168.50.100:21/
[ATTEMPT] target 192.168.50.100 - login "ftp_user" - pass "ftp_pass" - 1 of 16 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_user" - pass "ftp_123" - 2 of 16 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_user" - pass "ftp_ciao" - 3 of 16 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_user" - pass "ftp_ad" - 4 of 16 [child 3] (0/0)
[21][ftp] host: 192.168.50.100   login: ftp_user   password: ftp_pass
[ATTEMPT] target 192.168.50.100 - login "ftp_guest" - pass "ftp_pass" - 5 of 16 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_guest" - pass "ftp_123" - 6 of 16 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_guest" - pass "ftp_ciao" - 7 of 16 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_guest" - pass "ftp_ad" - 8 of 16 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_admin" - pass "ftp_pass" - 9 of 16 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_admin" - pass "ftp_123" - 10 of 16 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_admin" - pass "ftp_ciao" - 11 of 16 [child 2] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_admin" - pass "ftp_ad" - 12 of 16 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_login" - pass "ftp_pass" - 13 of 16 [child 0] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_login" - pass "ftp_123" - 14 of 16 [child 3] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_login" - pass "ftp_ciao" - 15 of 16 [child 1] (0/0)
[ATTEMPT] target 192.168.50.100 - login "ftp_login" - pass "ftp_ad" - 16 of 16 [child 2] (0/0)
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-07-04 10:22:18
```

```
┌──(kali㉿kali)-[~]
└─$ sudo service vsftpd start


┌──(kali㉿kali)-[~]
└─$ sudo adduser ftp_user
info: Adding user `ftp_user' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `ftp_user' (1002) ...
info: Adding new user `ftp_user' (1002) with group `ftp_user (1002)' ...
info: Creating home directory `/home/ftp_user' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ftp_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 `ftp_user' to supplemental / extra groups `users' ...
info: Adding user `ftp_user' to group `users' ...
```