# Assignment-2

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In this let's explore Metasploit tool in kali Linux OS and scan the own computer and find the vulnerabilities and exploits in it.

## Step-1

• First we have to get the ipv4 address of the system then we are checking and scan the system using nmap command.

Command: map 192.168.0.109

```
| Canture® kali)=[~]
| Samap 192.168.0.109
| Starting Nmap 7.94 ( https://nmap.org ) at 2023-09-26 09:45 IST |
| Nmap scan report for 192.168.0.109 |
| Not shown: 977 closed tcp ports (conn-refused) |
| PORT STATE SERVICE |
| 21/tcp open ftp |
| 22/tcp open ssh |
| 23/tcp open domain |
| 80/tcp open http |
| 111/tcp open rethios-ssn |
| 44.5/tcp open nethios-ssn |
| 44.5/tcp open sell |
| 139/tcp open nethios-ssn |
| 43/tcp open sell |
| 139/tcp open microsoft-ds |
| 512/tcp open sell |
| 139/tcp open microsoft-ds |
| 512/tcp open sell |
| 139/tcp open microsoft-ds |
| 512/tcp open sell |
| 139/tcp open microsoft-ds |
| 512/tcp open microsoft-ds |
| 512/tcp open sell |
| 139/tcp open microsoft-ds |
| 512/tcp open sell |
| 139/tcp open microsoft-ds |
| 512/tcp open mysal |
| 523/tcp open mysal |
| 523/tcp open postgresal |
| 5900/tcp open |
| 5000/tcp open |
| 5000
```

### Step-2

Command: map 192.168.0.109 -sV

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Cinature® kali)-[~]

S mmap 192.168.0.109 -sV

Starting Nmap 7.94 (https://mmap.org ) at 2023-09-26 09:46 IST

Nmap scan report for 192.168.0.109

Not shown: 977 closed tcp ports (conn-refused)

PORT STATE SERVICE VERSION

21/tcp open stp vsftpd 2.3.4

22/tcp open stp vsftpd 2.3.4

22/tcp open stp 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 rpobind 2 (RPC #100000)

113/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)

445/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)

1512/tcp open elogin?

514/tcp open java-rmi GNU Classpath grmiregistry

1524/tcp open java-rmi GNU Classpath grmiregistry

1524/tcp open fitp Profitp 1.3.1

3306/tcp open mysql MySQL 5.0.51a-3ubuntuS

5432/tcp open wsql MySQL 5.0.51a-3ubuntuS

5432/tcp open vsql MySQL 5.0.51a-3ubuntuS

5632/tcp open vsql Wrotocol 3.33

6000/tcp open X11 (access denied)

6667/tcp open ip Apache Jerser (Protocol V1.3)

8188/tcp open http Apache Jerser (Protocol V1.3)

8189/tcp open http Apache Jerser (Protoc
```

- We can see port no 139 and 445 resembles SMB. So we have to explore for exploits in smb.
- Now lets open Metasploit in our kali Linux which is exploit on framework that gives access to on resystem.

## Step-3

Command: sudo msfconsole



# Step-4

Command: grep scanner search smb

• We can enter "search smb" or "grep scanner search smb".

### Step-5

Command: use auxiliary/scanner/smb/smb ms17 010

• In this way we can run a scan on any system. we can gain the access of the system too if it is we find the vulnerabilities in that auxiliary scan.