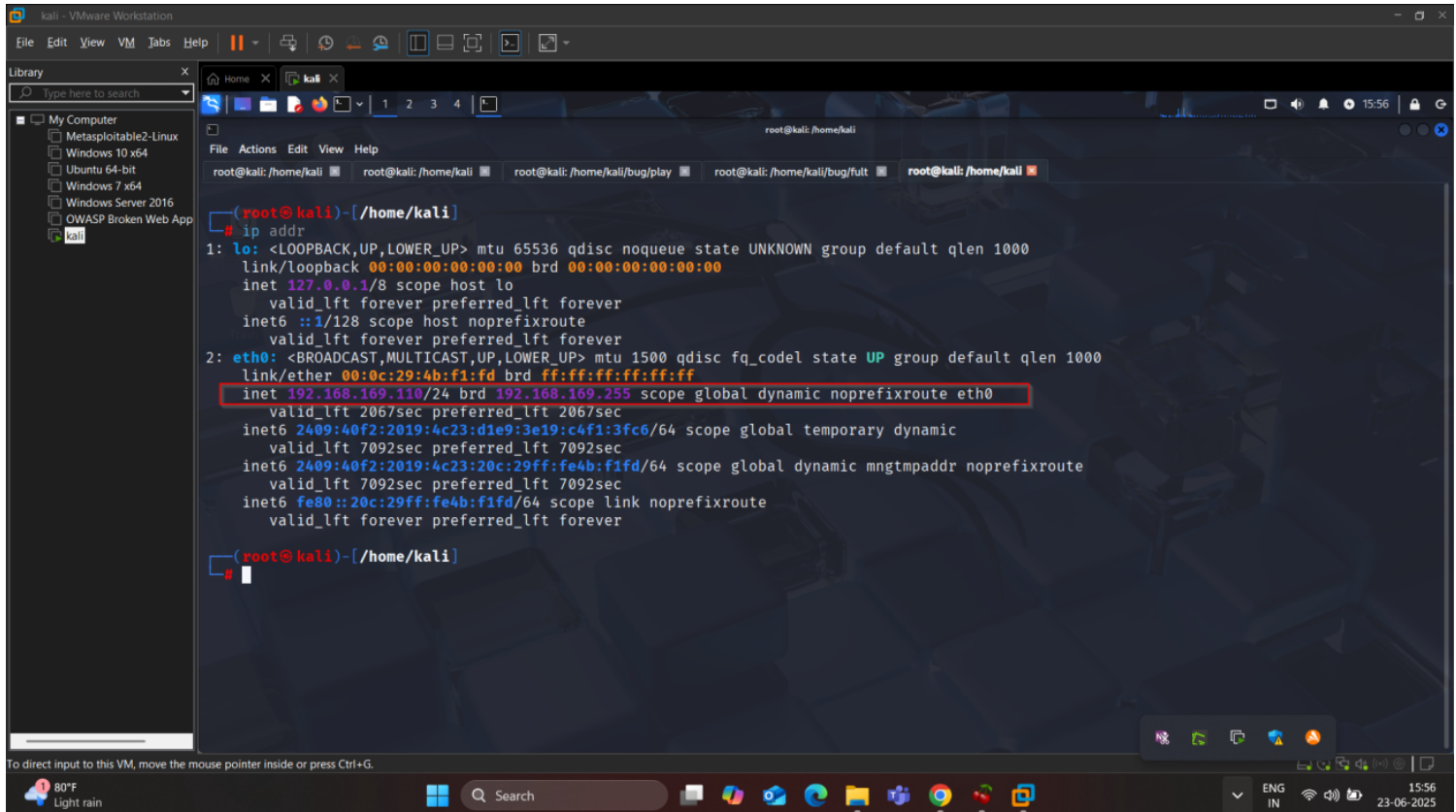


# task1

ip addr to know my network range



```
(root@kali)~[/home/kali]
# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:4b:f1:fd brd ff:ff:ff:ff:ff:ff
    inet 192.168.169.110/24 brd 192.168.169.255 scope global dynamic noprefixroute eth0
        valid_lft 2067sec preferred_lft 2067sec
    inet6 2409:40f2:2019:4c23:d1e9:3e19:c4f1:3fc6/64 scope global temporary dynamic
        valid_lft 7092sec preferred_lft 7092sec
    inet6 2409:40f2:2019:4c23:20c:29ff:fe4b:f1fd/64 scope global dynamic mngtmpaddr noprefixroute
        valid_lft 7092sec preferred_lft 7092sec
    inet6 fe80::20c:29ff:fe4b:f1fd/64 scope link noprefixroute
        valid_lft forever preferred_lft forever

(root@kali)~[/home/kali]
#
```

nmap scanned sub nets of system ip

kali - VMware Workstation

File Edit View VM Tabs Help

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My Computer

- Metasploitable2-Linux
- Windows 10 x64
- Ubuntu 64-bit
- Windows 7 x64
- Windows Server 2016
- OWASP Broken Web App
- kali

root@kali: /home/kali

```
File Actions Edit View Help
root@kali: /home/kali root@kali: /home/kali root@kali: /home/kali/bug/play root@kali: /home/kali/bug/full root@kali: /home/kali
(root@kali)-[/home/kali]
# nmap -sS 192.168.169.110/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-06-23 15:58 IST
RTTVAR has grown to over 2.3 seconds, decreasing to 2.0
RTTVAR has grown to over 2.3 seconds, decreasing to 2.0
RTTVAR has grown to over 2.3 seconds, decreasing to 2.0
RTTVAR has grown to over 2.3 seconds, decreasing to 2.0
Nmap scan report for 192.168.169.28
Host is up (0.010s latency).
Not shown: 999 closed tcp ports (reset)
PORT      STATE SERVICE
5060/tcp  filtered sip
MAC Address: 9C:28:F7:E4:77:06 (Xiaomi Communications)

Nmap scan report for 192.168.169.49
Host is up (0.0084s latency).
Not shown: 999 closed tcp ports (reset)
PORT      STATE SERVICE
5060/tcp  filtered sip
MAC Address: 10:3F:44:81:43:DA (Xiaomi Communications)

Nmap scan report for 192.168.169.53
Host is up (0.00070s latency).
All 1000 scanned ports on 192.168.169.53 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
MAC Address: F8:A2:D6:BD:93:75 (Liteon Technology)

Nmap scan report for 192.168.169.183
Host is up (0.014s latency).
All 1000 scanned ports on 192.168.169.183 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
MAC Address: 56:85:B4:85:0F:94 (Unknown)

Nmap scan report for 192.168.169.231
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

80°F Light rain

Search

ENG IN 15:59 23-06-2025

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My Computer

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- Windows 10 x64
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- kali

root@kali: /home/kali

```
File Actions Edit View Help
root@kali: /home/kali root@kali: /home/kali root@kali: /home/kali/bug/play root@kali: /home/kali/bug/full root@kali: /home/kali
Nmap scan report for 192.168.169.49
Host is up (0.0084s latency).
Not shown: 999 closed tcp ports (reset)
PORT      STATE SERVICE
5060/tcp  filtered sip
MAC Address: 10:3F:44:81:43:DA (Xiaomi Communications)

Nmap scan report for 192.168.169.53
Host is up (0.00070s latency).
All 1000 scanned ports on 192.168.169.53 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
MAC Address: F8:A2:D6:BD:93:75 (Liteon Technology)

Nmap scan report for 192.168.169.183
Host is up (0.014s latency).
All 1000 scanned ports on 192.168.169.183 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
MAC Address: 56:85:B4:85:0F:94 (Unknown)

Nmap scan report for 192.168.169.231
Host is up (0.0075s latency).
Not shown: 999 closed tcp ports (reset)
PORT      STATE SERVICE
53/tcp    open  domain
MAC Address: 06:59:81:86:30:47 (Unknown)

Nmap scan report for 192.168.169.110
Host is up (0.0000060s latency).
All 1000 scanned ports on 192.168.169.110 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (6 hosts up) scanned in 25.99 seconds

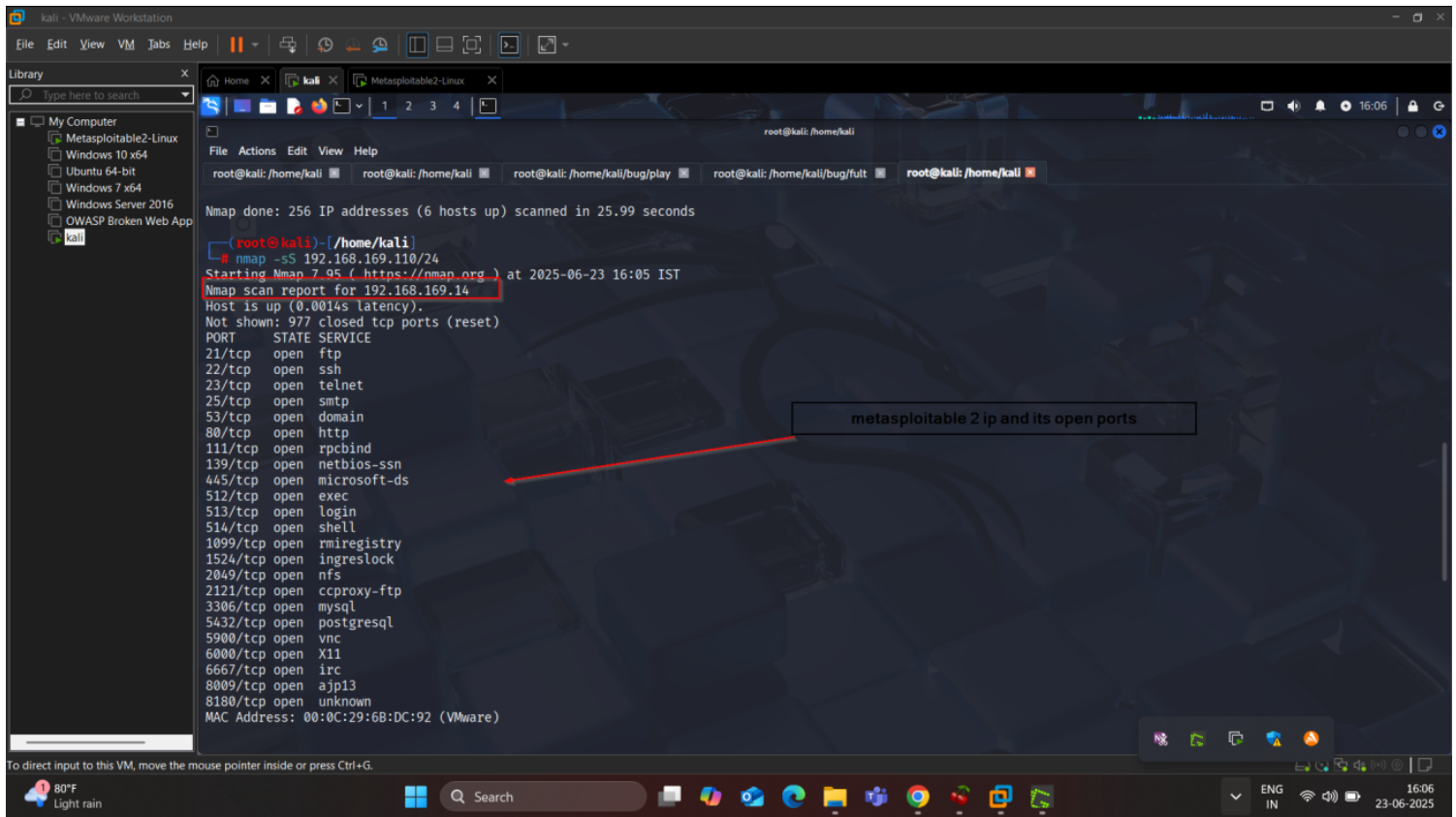
(root@kali)-[/home/kali]
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

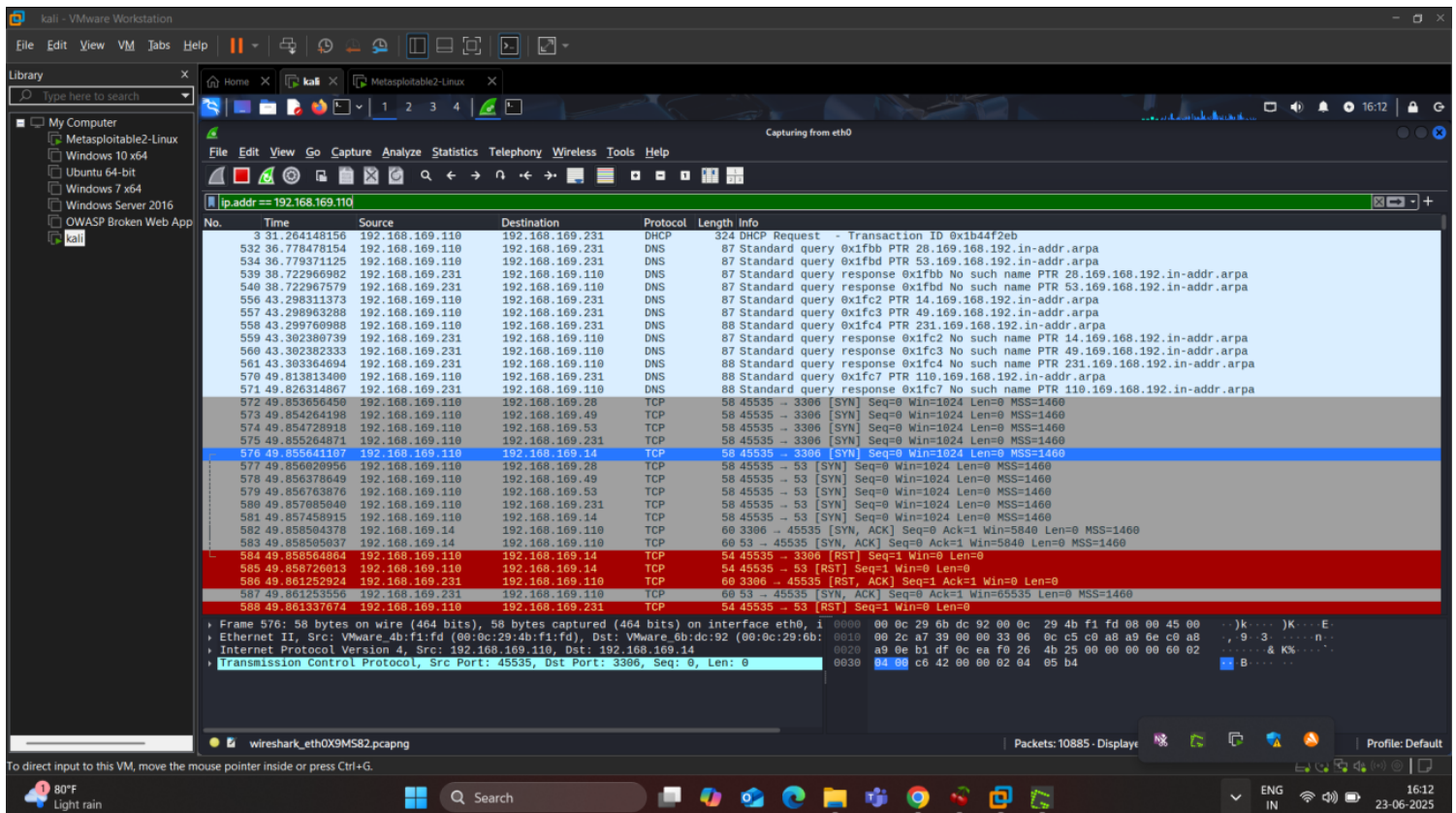
80°F Light rain

Search

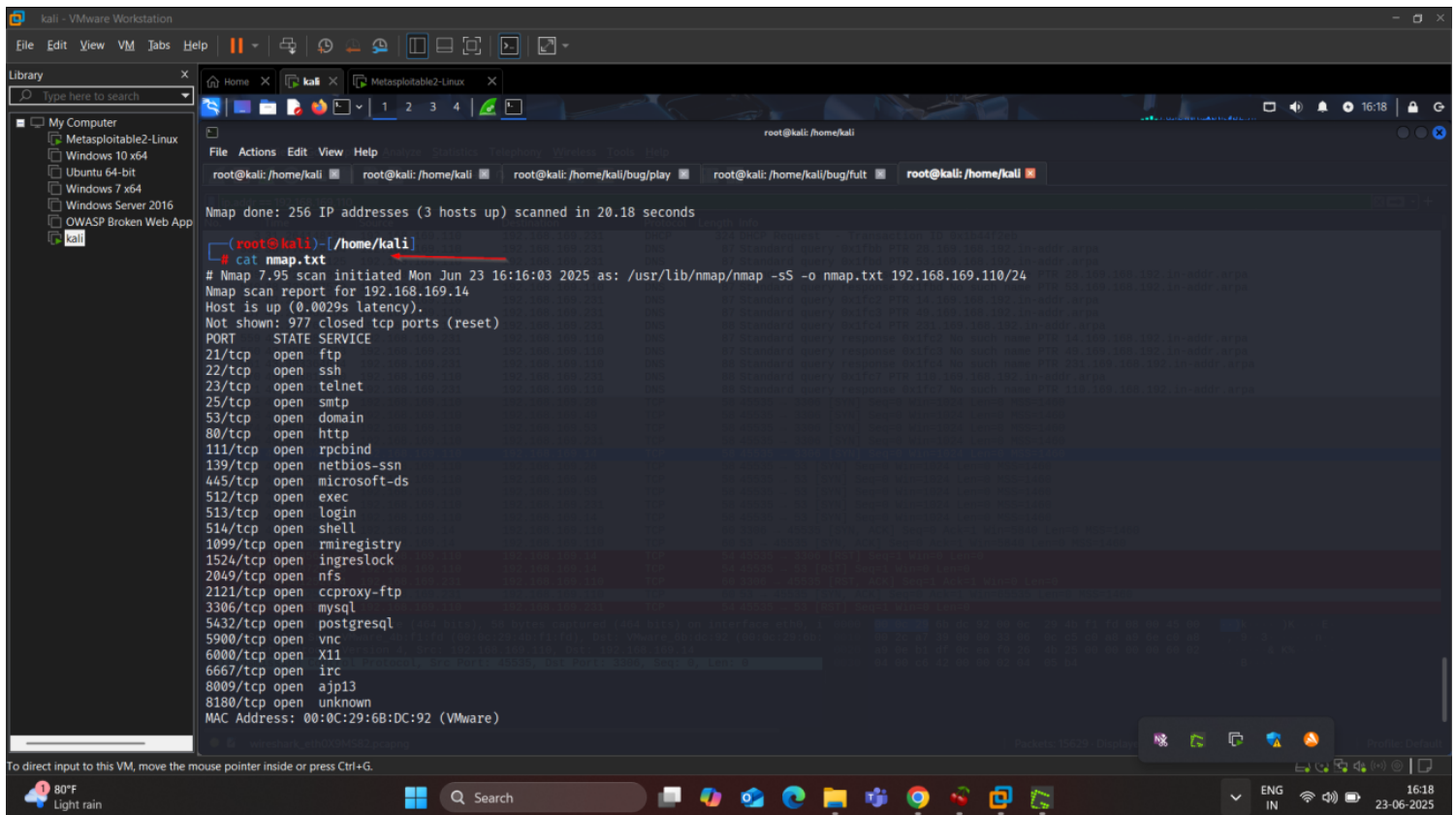
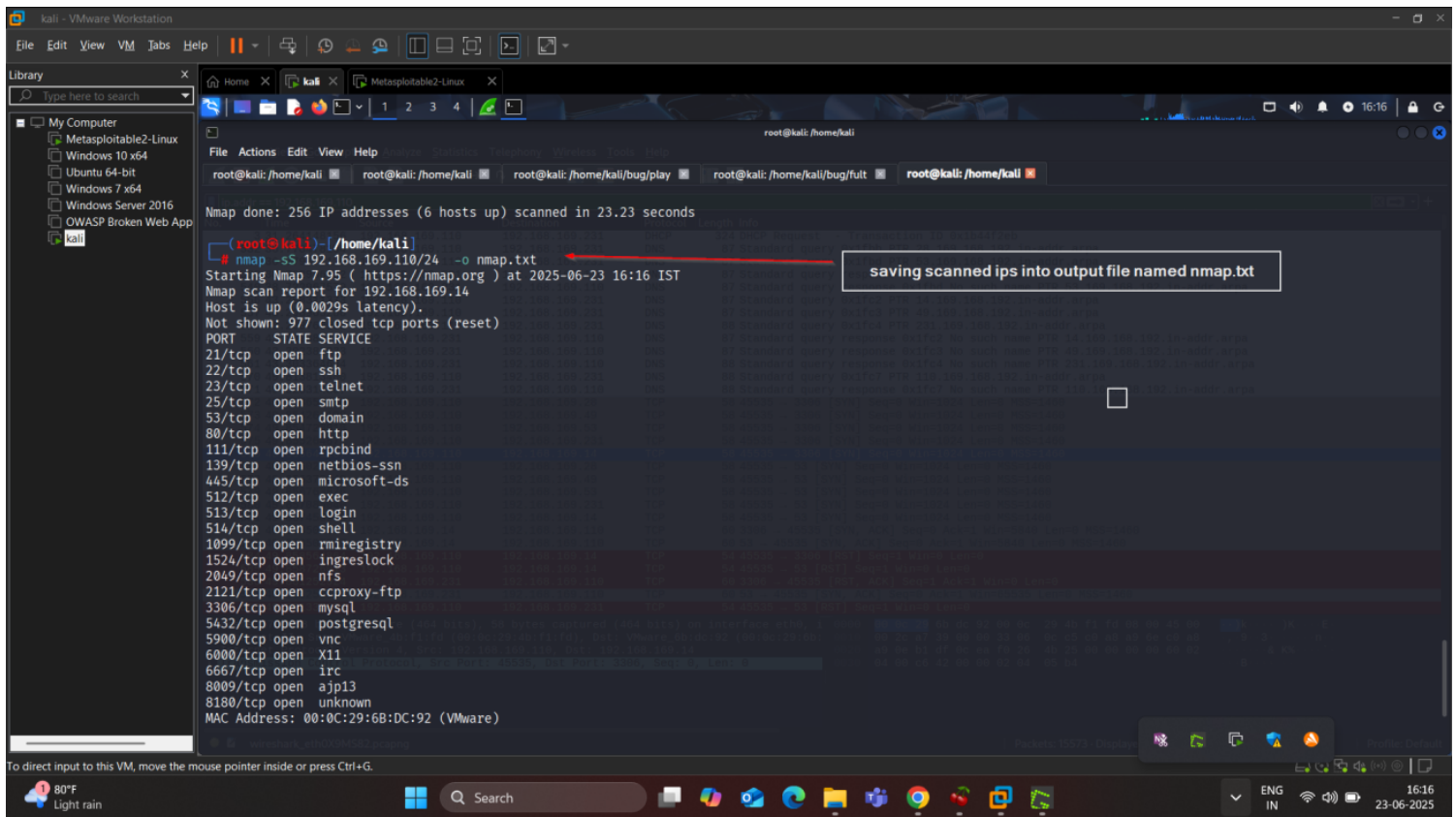
ENG IN 16:02 23-06-2025



## wireshark network packet capture







<b>Port</b>	<b>Service</b>	<b>Potential Risks / Vulnerabilities</b>
21/tcp	FTP	- Unencrypted credentials- Anonymous login- Vulnerable to brute force
22/tcp	SSH	- Weak passwords- Outdated versions (remote code execution)- Credential reuse
23/tcp	Telnet	- Plaintext login (very insecure)- Often replaced with SSH
25/tcp	SMTP	- Open relay (used for spam)- Command injection if misconfigured
53/tcp	DNS	- DNS amplification attacks- Zone transfer (info disclosure)

<b>Port</b>	<b>Service</b>	<b>Potential Risks / Vulnerabilities</b>
80/tcp	HTTP	- Web vulnerabilities (XSS, SQLi, LFI)- Banner leaks, outdated software
111/tcp	rpcbind	- Info leakage- Used with NFS — can lead to file exposure
139/tcp	NetBIOS	- Sensitive file shares- Null sessions- Info disclosure
445/tcp	SMB (Microsoft-DS)	- EternalBlue (MS17-010)- Unauthenticated file access- RCE vulnerabilities
512-514/tcp	r* services (exec, login, shell)	- Legacy, insecure- Trust-based auth (rhosts)- Often exploited in privilege escalation

<b>Port</b>	<b>Service</b>	<b>Potential Risks / Vulnerabilities</b>
1099/tcp	RMI Registry	- Remote code execution if exposed- Often exploited via Java deserialization
1524/tcp	Ingreslock	- Backdoor often left by attackers- Should not be open
2049/tcp	NFS	- File access over network- Misconfigurations can lead to full file system access
2121/tcp	ccproxy-ftp	- Same risks as FTP- May allow anonymous access
3306/tcp	MySQL	- SQL injection- Weak DB credentials- DB exposed over internet
5432/tcp	PostgreSQL	- Same as above — weak credentials or SQLi if accessible

<b>Port</b>	<b>Service</b>	<b>Potential Risks / Vulnerabilities</b>
5900/tcp	VNC	- Unencrypted screen sharing- Default/weak passwords- Exposed desktop sessions
6000/tcp	X11	- Input/output hijacking- Can read GUI keystrokes remotely
6667/tcp	IRC	- Botnet C2 channel- DDoS coordination- Sensitive chat leaks
8009/tcp	AJP13 (Apache JServ)	- GhostCat vulnerability (CVE-2020-1938)- File disclosure / RCE
8180/tcp	Unknown	- Often used for web admin panels (Tomcat, etc.)- Check for web apps or consoles



