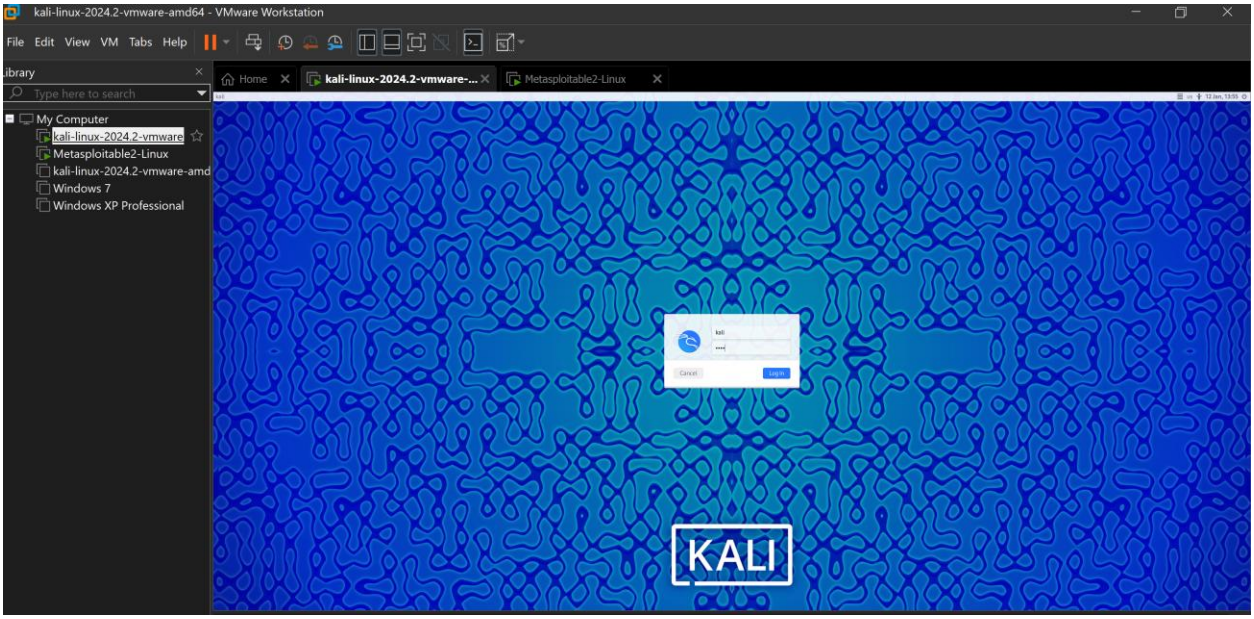
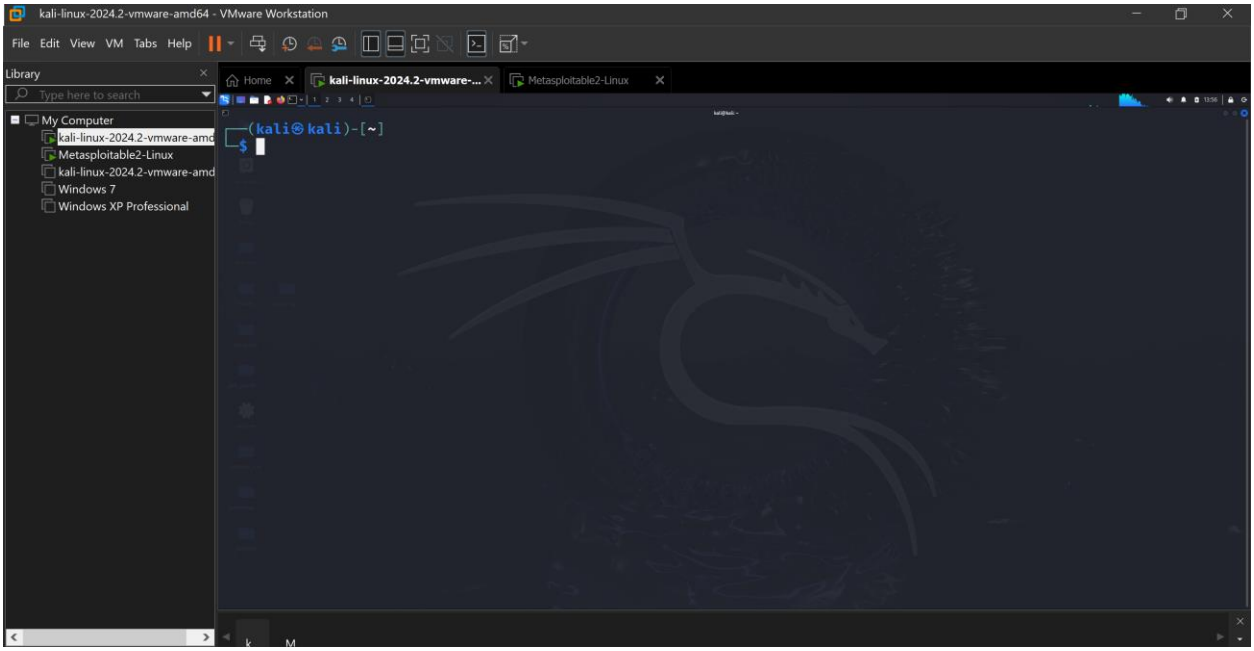
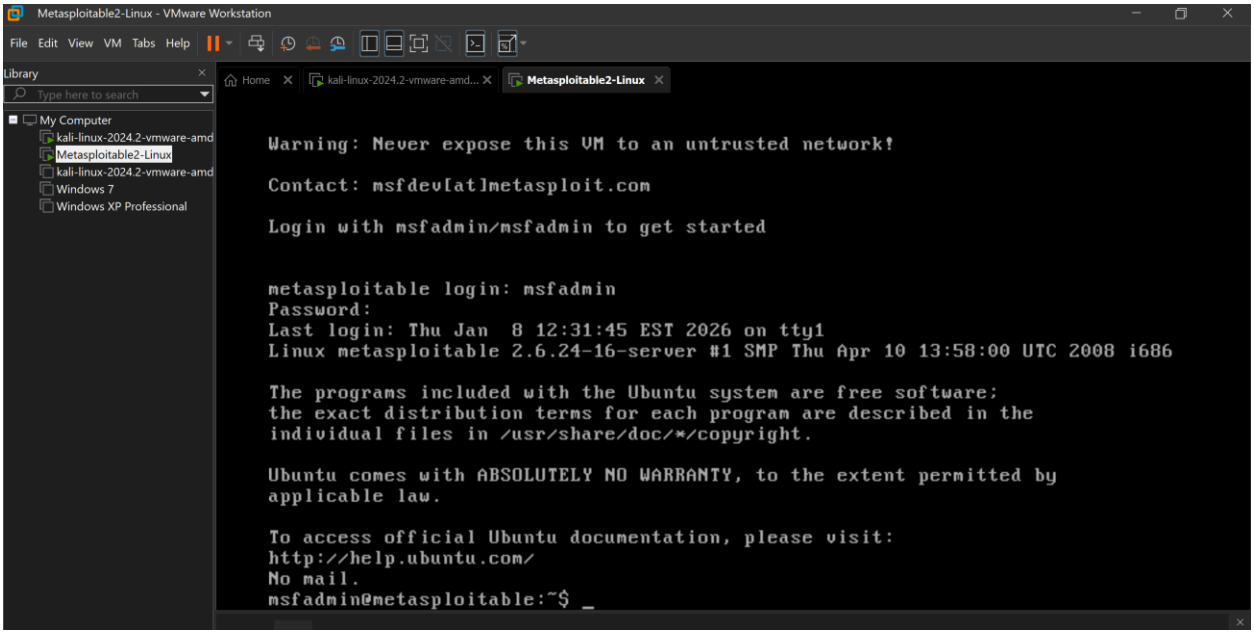
Vulnerability Assessment Lab

Open Kali Linux





Open Metasploitable2

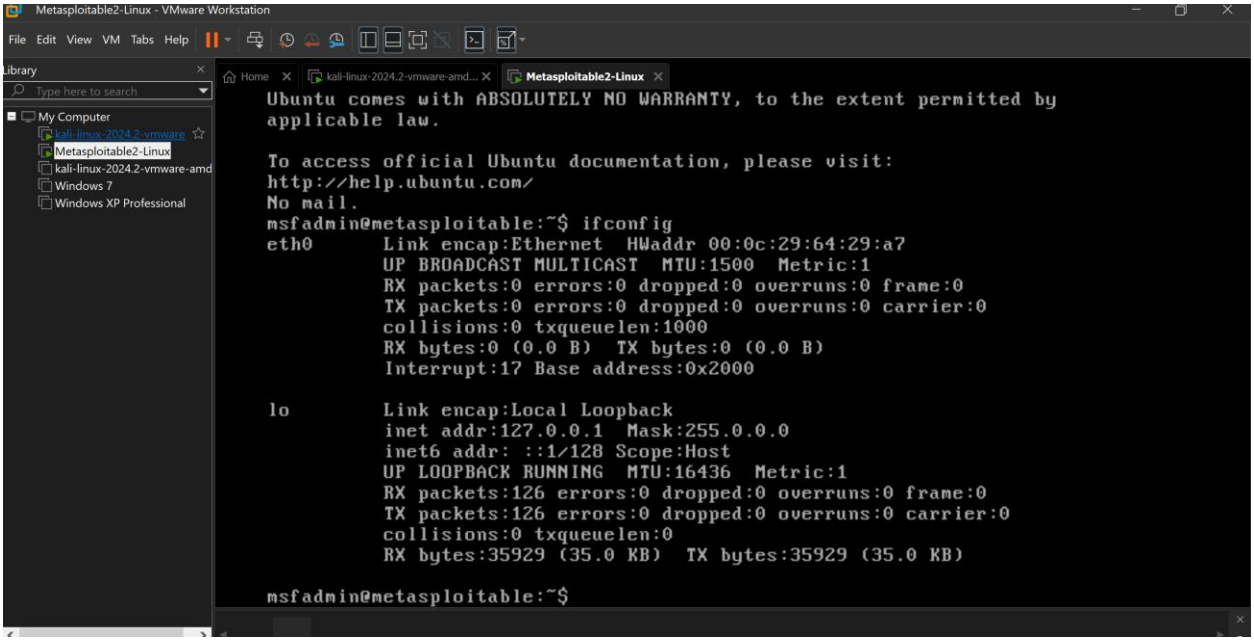


For Checking IP Address

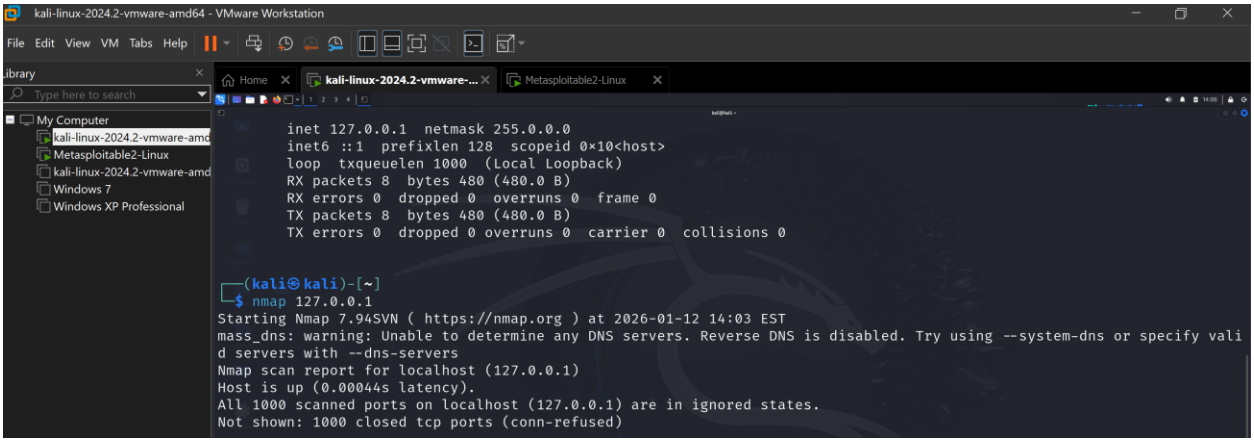
Ifconfig

Kali Linux Result

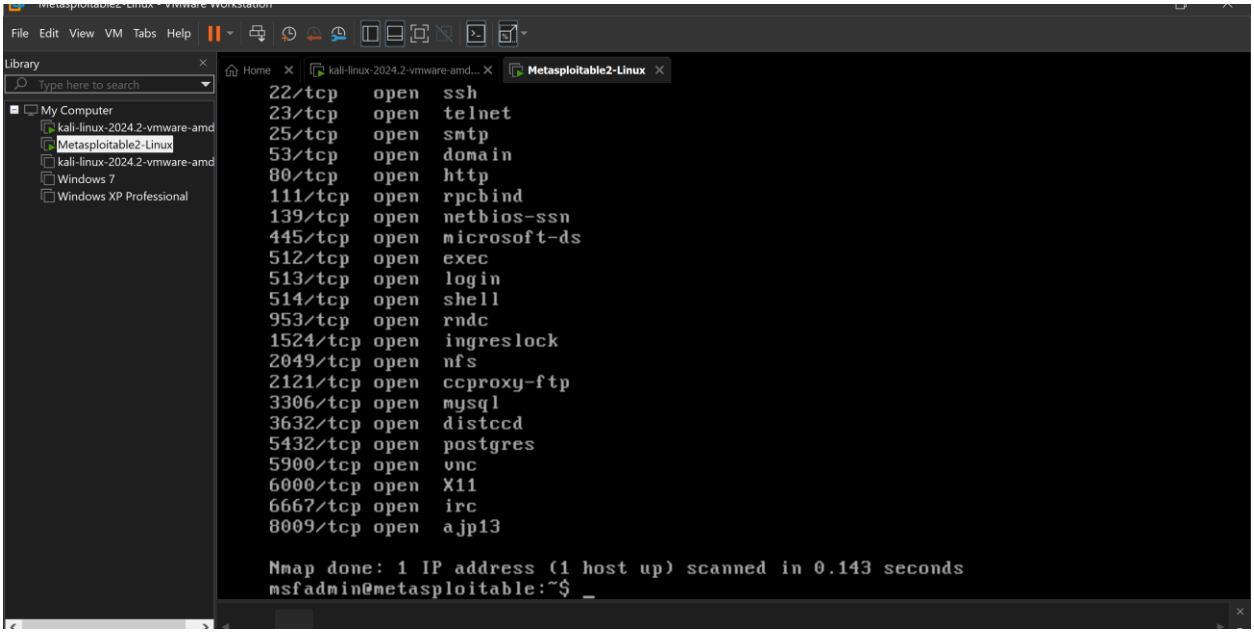
Metasploitable2 Result



Nmap Scan Result



Metasploitable2 Result



Detailed Nmap Scan

- -sV → Service version detection
- -sC → Default scripts
- -A → Aggressive scan (OS + traceroute)

```
┌──(kali㉿kali)-[~]
└─$ nmap -sV -sC -A 192.168.56.101

Starting Nmap 7.94SVN ( https://nmap.org ) at 2026-01-12 14:14 EST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 0.59 seconds
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```
Nmap done: 1 IP address (1 host up) scanned in 0.143 seconds
msfadmin@metasploitable:~$ nmap -sV -sC -A 127.0.0.1

Starting Nmap 4.53 ( http://insecure.org ) at 2026-01-12 14:15 EST
Stats: 0:01:02 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 91.30% done; ETC: 14:16 (0:00:05 remaining)
Stats: 0:01:04 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 91.30% done; ETC: 14:16 (0:00:06 remaining)
Stats: 0:01:09 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 95.65% done; ETC: 14:16 (0:00:03 remaining)
Stats: 0:01:14 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 95.65% done; ETC: 14:16 (0:00:03 remaining)

[1]+  Stopped                 nmap -sV -sC -A 127.0.0.1
msfadmin@metasploitable:~$
```

Save Nmap Results