Task 1 Scan Your Local Network for Open Ports - Screenshots

1. Attacker machine: Ip

```
(kali@ kali)-[~]
$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

RX packets 0 bytes 0 (0.0 B)
   RX errors 0 dropped 0 overruns 0 frame 0
   TX packets 0 bytes 0 (0.0 B)
   TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
   inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

2. TCP SYN scan

```
-(kali⊕kali)-[~]
 _$ nmap -sS 10.0.2.0/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-22 13:24 EDT
Nmap scan report for 10.0.2.4
Host is up (0.0010s latency).
Not shown: 977 closed tcp ports (reset)
PORT STATE SERVICE
21/tcp open ftp
22/tcp open ssh
23/tcp open telnet
25/tcp open smtp
53/tcp open domain
80/tcp open http
111/tcp open rpcbind
139/tcp open netbios-ssn
445/tcp open microsoft-ds
512/tcp open exec
513/tcp open login
514/tcp open shell
1099/tcp open rmiregistry
1524/tcp open ingreslock
2049/tcp open nfs
2121/tcp open ccproxy-ftp
3306/tcp open mysql
5432/tcp open postgresql
5900/tcp open vnc
6000/tcp open X11
6667/tcp open irc
8009/tcp open ajp13
8180/tcp open unknown
Nmap done: 256 IP addresses (3 hosts up) scanned in 28.45 seconds
```

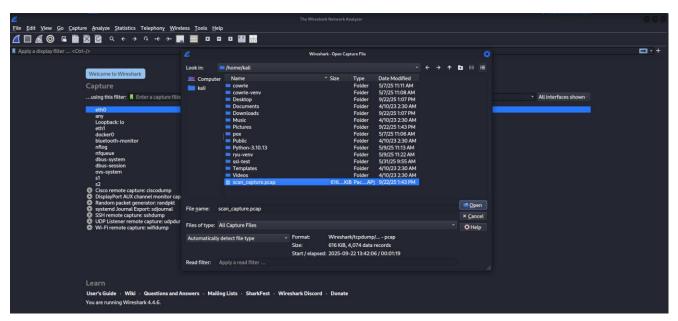
3. tcpdump packet_capture.pcap

```
(kali* kali)-[~]
$ sudo tcpdump -i eth0 -w scan_capture.pcap

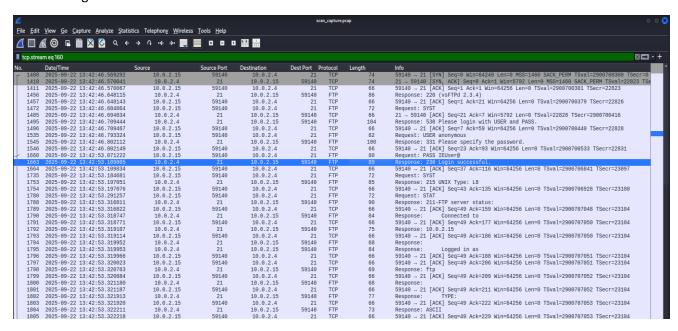
[sudo] password for kali:
tcpdump: listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
^C4074 packets captured
4076 packets received by filter
0 packets dropped by kernel

(kali* kali)-[~]
```

4. Analysis with Wireshark



5. Info: Login successful



6. TCP stream showcases

