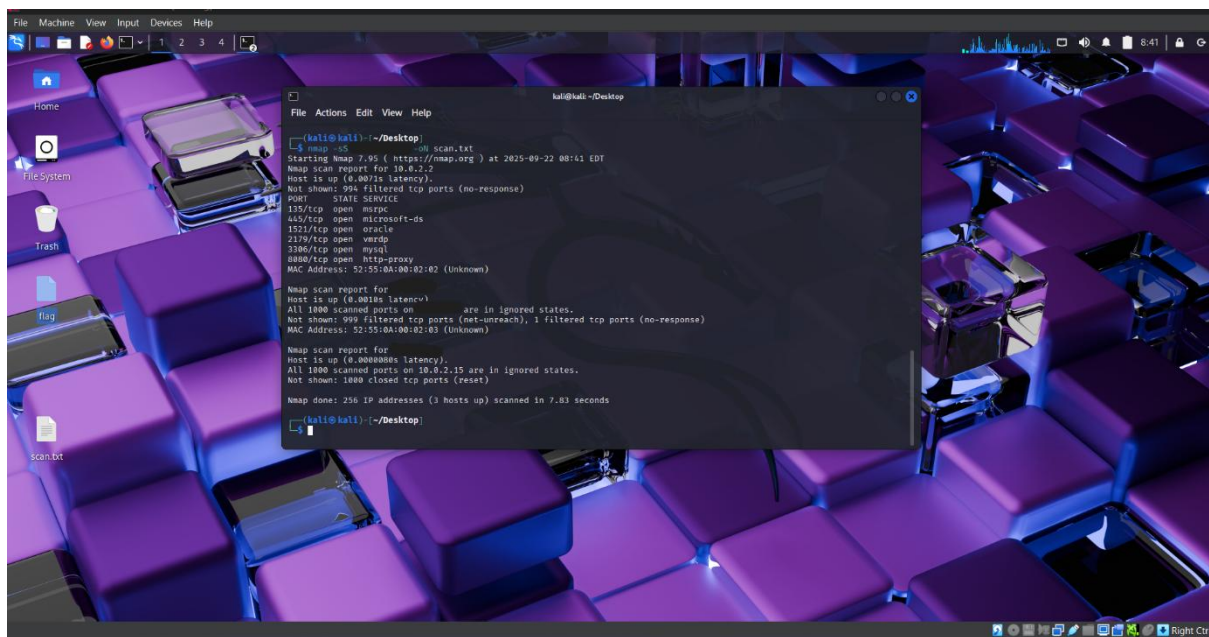
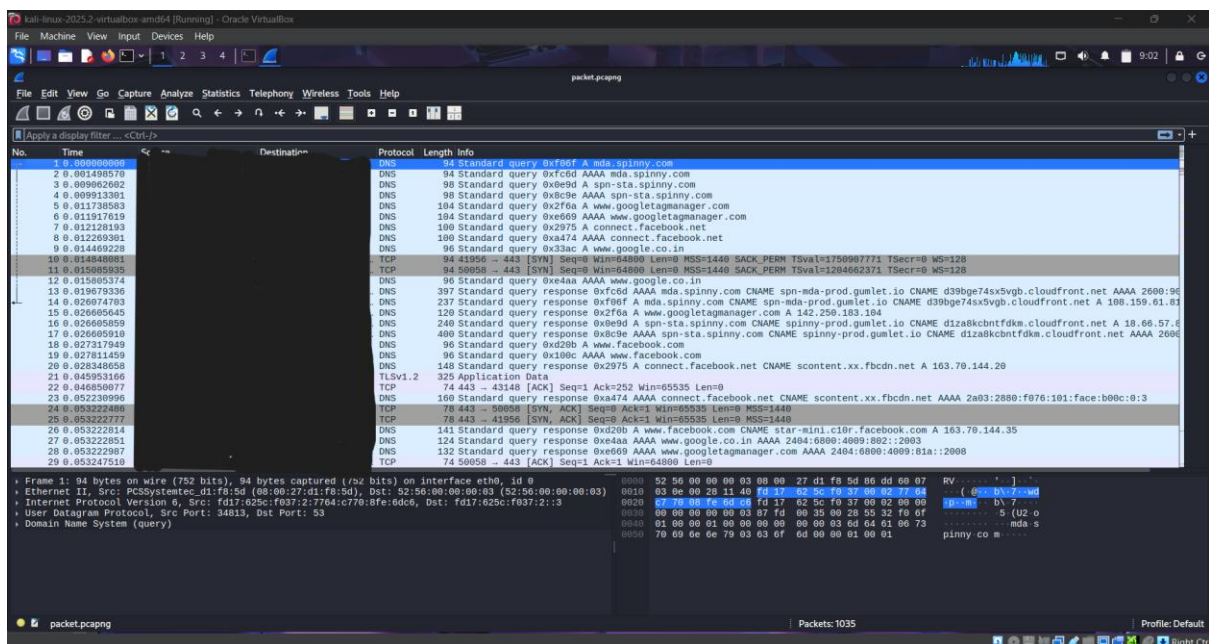


- **This is the screenshot of the network scanning using nmap in kali machine.**



This is the screenshot of scanning the packet of the local network and there packets.



Some most common ports like as follow:-

- **135/tcp (msrpc - Microsoft Remote Procedure Call)**
Port 135 is used in Windows environments for Microsoft RPC services. It allows programs on one computer to communicate and execute functions on another, mainly supporting remote management and services like Active Directory and Windows Management Instrumentation (WMI).
- **445/tcp (microsoft-ds)**
This port is used for Microsoft Directory Services and Server Message Block (SMB). It handles file sharing, printer sharing, and network resource access primarily on Windows networks.

- **1521/tcp (oracle)**
Port 1521 is the default port for Oracle Database listeners. It enables clients to connect to an Oracle database for querying and managing data.
- **2179/tcp (vmrpd)**
This port is used by VMware Remote Desktop Protocol, allowing remote access to virtual machines hosted on VMware infrastructure.
- **3306/tcp (mysql)**
Port 3306 is the default port for MySQL databases. It is used by client applications to connect and interact with MySQL database servers.
- **8080/tcp (http-proxy)**
Port 8080 is commonly used as an alternative HTTP port, often for web proxies or web servers running HTTP services that do not use the default port 80.

These ports facilitate important services such as remote management, file sharing, database access, and web traffic handling in typical networked environments.

And this are the some potential security risk form this open ports :-

- **135/tcp (msrpc)**
This port enables remote procedure calls on Windows but is often targeted for remote code execution or privilege escalation attacks if vulnerabilities exist. Attackers exploit it to control systems remotely.
- **445/tcp (microsoft-ds)**
Used for file sharing in Windows, this port is highly vulnerable to exploits like EternalBlue, which was used in the massive WannaCry ransomware attack. It can allow attackers to spread malware or gain unauthorized access.
- **1521/tcp (oracle)**
This port is the Oracle database listener, and if misconfigured or unpatched, attackers can exploit it to access or corrupt database information remotely.
- **2179/tcp (vmrpd)**
VMware Remote Desktop Protocol port can be targeted for unauthorized remote access, allowing attackers to control virtual machines if weak authentication or vulnerabilities exist.
- **3306/tcp (mysql)**
Default port for MySQL databases, often targeted for SQL injection, brute force attacks, or unauthorized data access, especially if default passwords or poor configurations are used.
- **8080/tcp (http-proxy)**
Typically used by web proxies or alternative web servers, this port can be exploited via web-based attacks such as cross-site scripting, SQL injection, or denial of service if the web service is vulnerable.

Open ports increase the attack surface of a network and must be monitored, secured with firewalls, and regularly updated to close known vulnerabilities