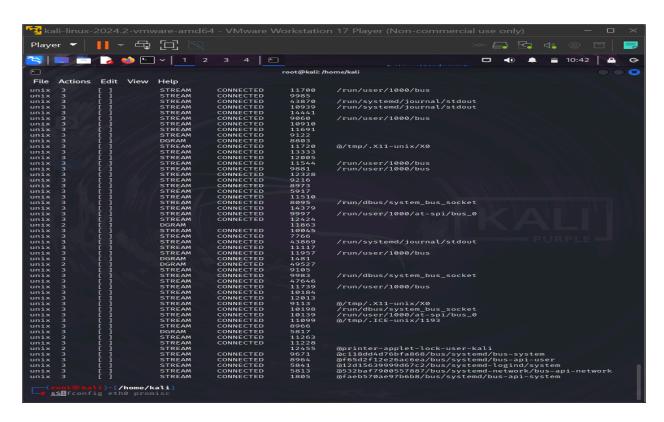
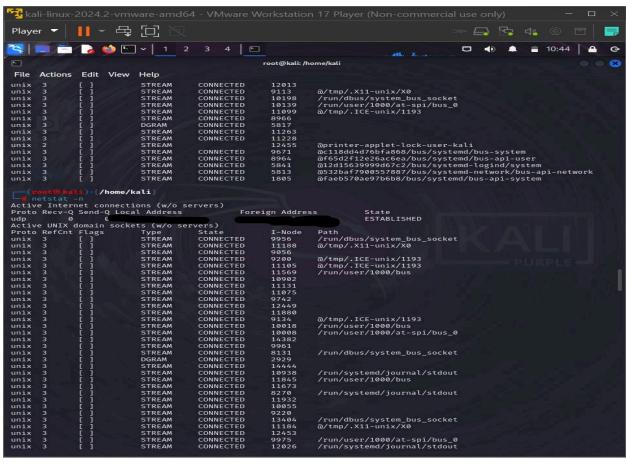
USING NETSTAT COMMAND TO VIEW NETWORKING INFORMATION

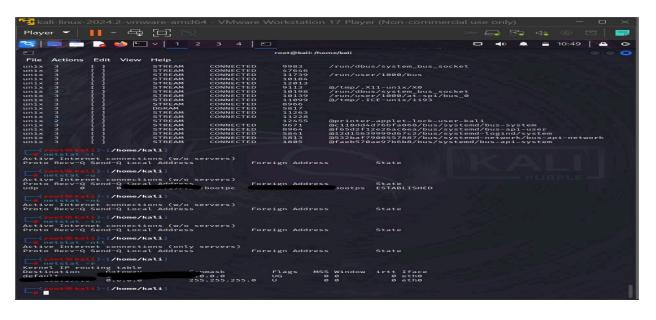
Tools: NETSTAT on KALI

NETSTAT (Network Statistics) is a command-line tool used to display network connections, routing tables, interface statistics, masquerade connections, and multicast memberships. It's typically used for troubleshooting network issues and monitoring the network activity on a system.

Input from netstat:









```
Ip: Forwarding: 2
38 total packets received
0 forwarded addresses
0 forwarded addresses
0 forwarded addresses
0 forwarded addresses
10 fo
```

Here we would be using netstat to print network connection, routing tables, interface statistics, masquerade connections and multicast membership.

First of all, we have to be the ROOT user, we would go on and type SUDO SU in the terminal. Then we would begin by viewing the help information screen by executing the following command **netstat -h** We will then view all active connections by typing the following: **netstat.** We can use netstat to display both local and foreign addresses in numeric IP form using the "-n" parameter. **Netstat -n.** If we want to view only TCP connections, we need to add the "-t" parameter. **netstat -t**

Similarly, if we want to view only UDP connections, we need to add the "-u" parameter. netstat -u. We can also combine and operate multiple parameters in a single command as follows: **netstat -nt**

netstat allows us to view only connections which are listening. We can do this by typing this command: **netstat -ntl** "0.0.0.0" in the local address column indicates all IP addresses that are listening. "0.0.0.0:*" in the foreign address column indicates everyone and all ports in the IP space. In the last lines, it shows that we are in a state of listening for each connection. We can view the kernel routing table by using the following command: **netstat -r**

Kindly note that netstat -r and route -e produce the same result.

We can make netstat show us the process IDs and where they belong by using the following command: netstat -tunp This command shows only TCP and UDP traffic with their associated process IDs. Displays IP addresses and port numbers as numbers. We get more details if the last command is used with the -e parameter; netstat -tunpe

We can also display high level statistics by using the following command: **netstat -s**