EXPERIMENT 2

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CS S4 Roll No : 59

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AIM

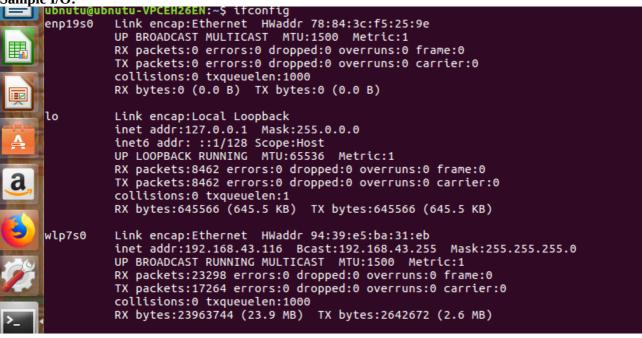
Set up the complete network interface by configuring services such as gateway, DNS, IP tables etc. using ifconfig

NETWORK CONFIGURATION & IFCONFIG:

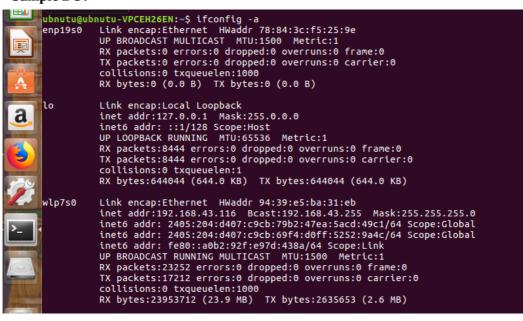
Command 1:

Purpose: View All Network Setting

Sample I/O:



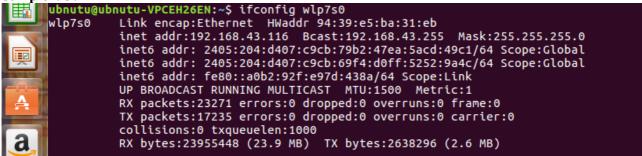
Command 2 : Purpose:Display Information of All Network Interfaces Sample I/O:



Command 3:

Purpose:View Network Settings of Specific Interface

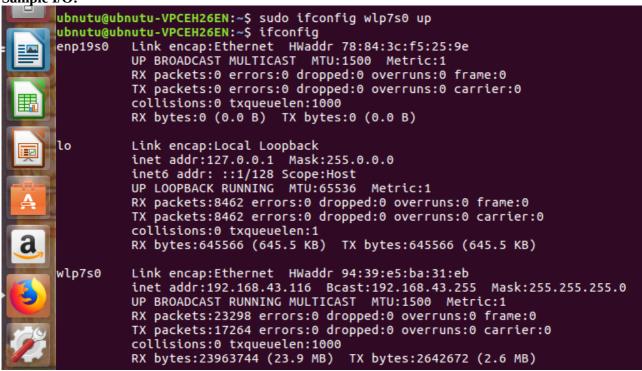
Sample I/O:



Command 4:

Purpose: How to Enable an Network Interface

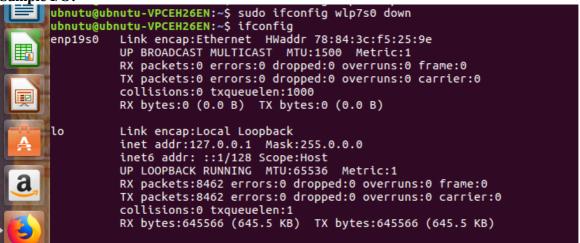
Sample I/O:



Command 5:

Purpose: How to Disable an Network Interface

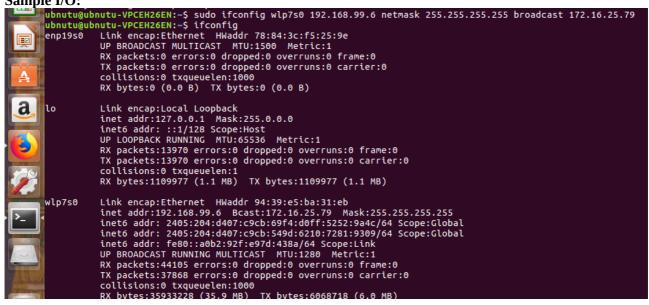
Sample I/O:



Command 6:

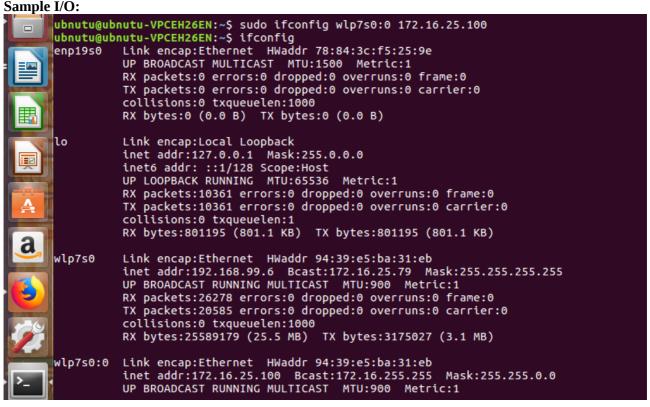
Purpose: How to Assign a IP, Netmask and Broadcast to Network Interface

Sample I/O:



Command 7:

Purpose: How to Add New Alias to Network Interface

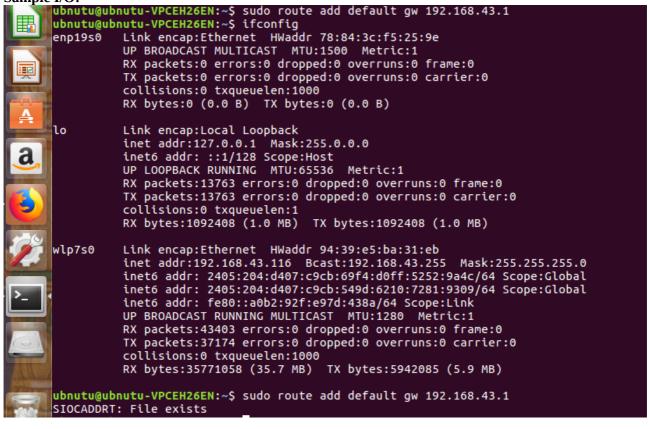


GATEWAY CONFIGURATION:

Command 8:

Purpose:To setup and show gateway configuration

Sample I/O:



DNS CONFIGURATION:

Command 9:

Purpose:To configure DNS

Sample I/O:

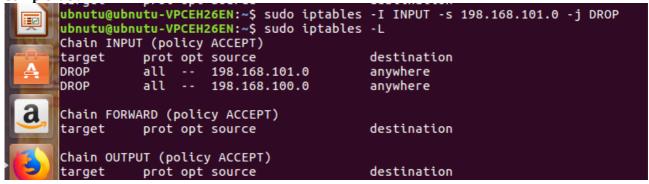
```
ubnutu@ubnutu-VPCEH26EN:~$ sudo echo "nameserver 192.168.43.1" >> /etc/resolv.conf bash: /etc/resolv.conf: Permission denied ubnutu@ubnutu-VPCEH26EN:~$ nano /etc/resolv.conf ubnutu@ubnutu-VPCEH26EN:~$ cat /etc/resolv.conf # Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8) # DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN nameserver 127.0.1.1 ubnutu@ubnutu-VPCEH26EN:~$
```

IP TABLES:

Command 10:

Purpose:To create & show iptables

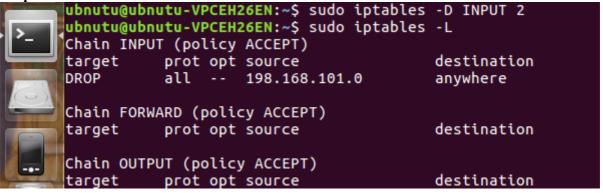
Sample I/O:



Command 11:

Purpose:To delete & show iptables

Sample I/O:



Command 12:

Purpose:To list iptable

Sample I/O:



Conclusion:

Setting up the complete network interface by configuring services such as gateway, DNS, IP tables etc. using ifconfig is done and results obtained using Ubuntu 16.04.