

Ex No. 9

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SETTING UP NETWORK INTERFACE BY COMMANDS

Aim:- To configure the network interface using command line. Provide static IP for the network card. Provide secondary IP to a host and setup host name by commands.

ABOUT THE EXPERIMENT:

There are different ways to change IP address in Linux:

- Command line tool
- Modify configuration files.
- Use GUI tools.

PROCEDURE:-

1. To view the current IP address of the system use: `ifconfig eth0`.
2. To change IP and network address.
3. `ifconfig eth0 IP_address netmask network_address`

4.

2. `ifconfig eth0 192.168.1.5 netmask 255.255.255.0 up`
3. To add a new internal virtual IP address
`sudo nano /etc/network/interfaces`
and change the contents of the file.
4. Restart the server by entering
`sudo /etc/init.d/networking restart`
5. Type `ifconfig` to view new IP address.
6. To view hostname type `sudo /bin/hostname`
7. To change hostname type `sudo /bin/hostname
new hostname`