

The important Linux networking commands are

1. ifconfig

This command gives the configuration of all interfaces in the system. It can be run with an interface name to get the details of the interface.

```
ifconfig wlan0
```

```
Link encap:Ethernet HWaddr b8:03:05:ad:6b:23
inet addr:192.168.43.15 Bcast:192.168.43.255 Mask:255.255.255.0
inet6 addr: 2405:204:d206:d3b1:ba03:5ff:fead:6b23/64 Scope:Global
inet6 addr: fe80::ba03:5ff:fead:6b23/64 Scope:Link
inet6 addr: 2405:204:d206:d3b1:21ee:5665:de59:bd4e/64 Scope:Global
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:827087 errors:0 dropped:0 overruns:0 frame:0
TX packets:433391 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:1117797710 (1.1 GB) TX bytes:53252386 (53.2 MB)
```

This gives the IP address, subnet mask, and broadcast address of the wireless LAN adapter. Also tells that it can support multicasting.

If eth0 is given as the parameter, the command gives the details of the Ethernet adapter.

2. netstat

This command gives network status information.

```
Netstat -i
```

| Iface | MTU | Met | RX-OK | RX-ERR | RX-DRP | RX-OVR | TX-OK | TX-ERR | TX-DRP | TX-OVR | Flg |
|-------|-------|-----|--------|--------|--------|--------|--------|--------|--------|--------|------|
| eth0 | 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | BMU |
| lo | 65536 | 0 | 12166 | 0 | 0 | 0 | 12166 | 0 | 0 | 0 | LRU |
| wlan0 | 1500 | 0 | 827946 | 0 | 0 | 0 | 434246 | 0 | 0 | 0 | BMRU |

As shown above, the command with -i flag provides information on the interfaces. lo stands for loopback interface.