

Networking

- View IP addresses:

```
ip addr show
```

- Test connectivity:

```
ping [domain|IP]
```

- View DNS configurations:

```
cat /etc/resolv.conf
```

- Query A record for a host (get IP address for a domain):

```
dig [domain]
```

- Query A record with a known DNS server:

```
dig @[DNS server IP] [domain]
```

- Map/view host names to IPs:

```
sudo vim /etc/hosts
```

```
cat /etc/hosts
```

- View routing table:

```
ip route show
```

- View network devices:

```
ifconfig
```

- View network devices with more info, cleaner presentation:

```
nmcli
```

- Print network connections:

```
netstat
```

- Print TCP and UDP connections:

```
netstat | grep -E "t?c?u?d?p"
```

- Dump socket statistics

```
ss
```

- View ports and programs listening on them:

```
cat /etc/services
```