Tuning

Network

Test performance

- Install iperf on client and host machine

```
sudo apt install iperf3 iotop
```

- Open firewall on host

```
ufw allow 5201
```

- Test network from client to host

```
iperf3 -s # on host
iperf3 -c <host> # on client
```

- Test disk access

```
iotop
```

Speedtest

- Remove speedtest-cli if you have previously installed it:

```
sudo apt remove speedtest-cli
```

- Install python-pip on Python v3:

```
sudo apt install python3-pip
```

- Install and run speedtest:

```
sudo pip3 install speedtest_cli
speedtest-cli
```

CPU and IO priorities

- IO priority

```
ionice -c scheduling_class -n priority_nice_value command
ionice -c 3 cp /home/user/largefile /Backups
```

Links

- How to Manage the Priority of I/O Processes in Linux
- ionice
- Make samba run ioniced
- Nice rsync on remote machine
- What is Network Throughput and How to Measure & Monitor it!
- Invoking iperf3

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