

Tuning

Swap behavior

- Set swappiness to 10 in `/etc/sysctl.conf` or `/etc/sysctl.d/99-webserver-tuning.conf`:

```
vm.swappiness=10
```

- Save the file, then:

```
sudo sysctl --system  
cat /proc/sys/vm/swappiness
```

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](#)

From:

<https://wiki.condrau.com/> - **Bernard's Wiki**

Permanent link:

<https://wiki.condrau.com/deb13:tuning>

Last update: **2026/08/16 14:10**

