

4 Useful Tools to Monitor CPU and GPU Temperature in Ubuntu

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```
tecmint
CPU [|||||] 24.4% CPU / 24.4% nice: 0.0% ctx_sw: 4K MEM - 60.1% active: 3.98G SWAP - 0
MEM [|||||] 60.3% user: 20.8% irq: 0.0% inter: 2114 total: 7.69G inactive: 2.03G total: 3
SWAP [ ] 0.0% system: 3.3% iowait: 10.6% sw_int: 1731 used: 4.62G buffers: 237M used: 3
idle: 65.0% steal: 0.0% free: 3.07G cached: 2.61G free: 3

NETWORK Rx/s Tx/s TASKS 286 (1214 thr), 2 run, 231 slp, 53 oth sorted automatically by cpu_percent, flat view
enp1s0 0b 0b
lo 1Kb 1Kb Systemd 5 Services loaded: 224 active: 223 activating: 1
ppp0 7Kb 6Kb
wlp2s0 11Kb 11Kb

DefaultGateway 6ms

DISK I/O R/s W/s
sda1 0 0 4.4 2.4 812M 191M 5427 aaronk 0 S 0:15.88 0 /opt/google/chrome/chrome
sda10 0 0 3.1 3.9 1.26G 308M 4958 aaronk 0 S 1:02.53 0 /opt/google/chrome/chrome
sda2 0 0 2.6 1.0 589M 75.6M 1201 root 0 S 1:08.16 0 /usr/lib/xorg/Xorg -core :0 -seat seat0 -auth /var/r
sda3 4.92M 0 2.3 3.9 1.07G 306M 2707 aaronk 0 S 2:36.52 0 /opt/google/chrome/chrome
sda4 0 0 2.1 1.7 3.04G 134M 2193 aaronk 0 S 0:12.45 0 aaronk --pid=2187
sda5 0 0 1.6 2.6 851M 203M 5230 aaronk 0 S 0:11.71 0 /opt/google/chrome/chrome
sda6 0 0 0.8 0.4 585M 34.9M 4453 aaronk 0 S 0:06.72 0 /usr/lib/gnome-terminal/gnome-terminal-server
sda7 0 0 0.5 0.2 92.7M 16.0M 357 root -1 S 0:02.91 0 /lib/systemd/systemd-journald
sda8 0 0 0.5 0.1 263M 5.75M 1013 root 0 D 0:18.25 0 /usr/sbin/iio-sensor-proxy
sda9 0 0 0.5 2.1 843M 167M 2783 aaronk 0 S 0:15.47 0 Mailspring default
sda10 0 0 0.5 2.2 780M 169M 4249 aaronk 0 S 0:09.60 0 /opt/google/chrome/chrome
sdb1 0 0 0.5 1.1 690M 87.2M 5195 aaronk 0 S 0:00.34 0 /opt/google/chrome/chrome

SENSORS
acpitz 1 43C 0.3 0.0 0 0 160 root 0 ? 0:01.41 0 kworker/u8:2
acpitz 2 0C 0.3 0.0 0 0 307 root -20 ? 0:00.42 0 kworker/0:1H
acpitz 3 39C 0.3 0.1 49.1M 4.40M 1950 aaronk 0 S 0:05.00 0 /usr/bin/dbus-daemon --config-file=/usr/share/default
acpitz 4 38C 0.3 0.3 447M 22.6M 2023 aaronk 0 S 0:00.52 0 /usr/lib/x86_64-linux-gnu/cinnamon-settings-daemon/c
acpitz 5 24C 0.3 1.4 719M 111M 5300 aaronk 0 S 0:02.57 0 /opt/google/Chrome/chrome
acpitz 6 127C 0.0 0.1 221M 9.35M 1 root 0 S 0:12.76 0 /sbin/init splash
pch_skylake 1 40C 0.0 0.0 0 0 2 root 0 S 0:00.00 0 kthreadd
Package id 0 43C 0.0 0.0 0 0 4 root -20 ? 0:00.00 0 kworker/0:0H
Core 0 40C 0.0 0.0 0 0 6 root -20 ? 0:00.00 0 mm_percpu_wq
Core 1 41C

2020-01-14 06:34:01 No warning or critical alert detected
```

The CPU or GPU temperature depends entirely on the usage of running programs or applications. Sensitive computer components such as CPUs have a finite lifespan and running them at a temperature that exceeds a certain limit (or at higher temperatures generally) can shorten it. Besides, it can also cause thermal throttling especially when the fan is not providing adequate cooling.

[2]

Source URL: <http://www.tuxmachines.org/node/132930>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/38>

[2] <https://www.tecmint.com/monitor-cpu-and-gpu-temperature-in-ubuntu/>