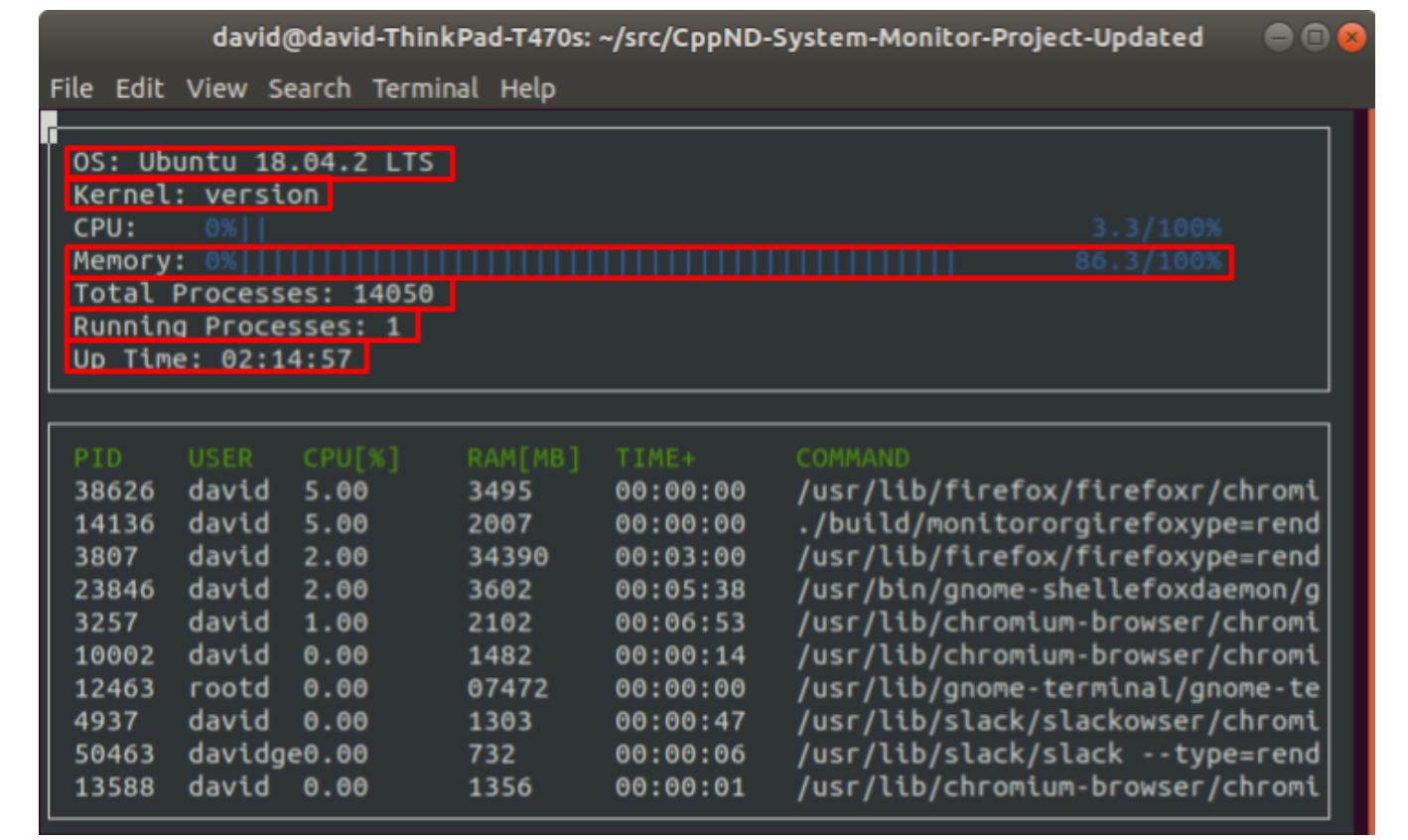


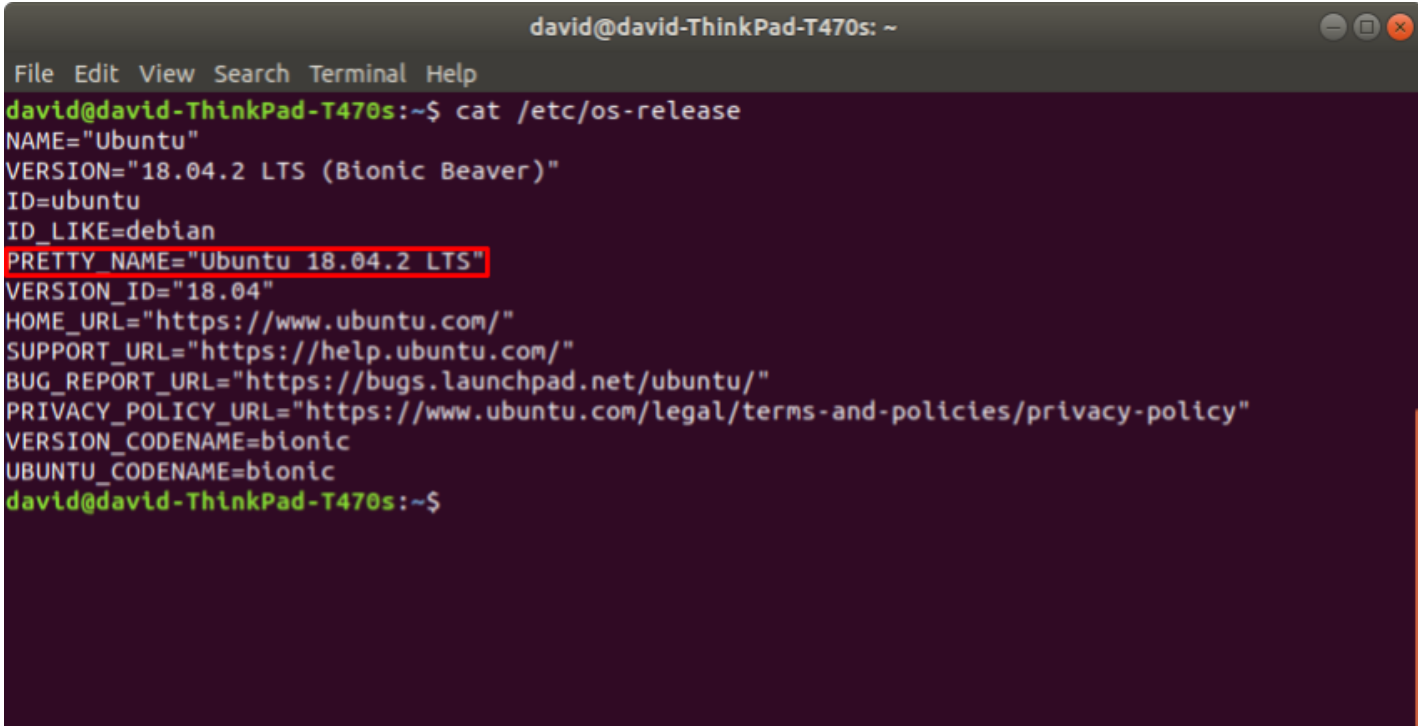
System Data



Linux stores a lot of system data in files within the `/proc` directory. Most of the data that this project requires exists in those files.

Operating System

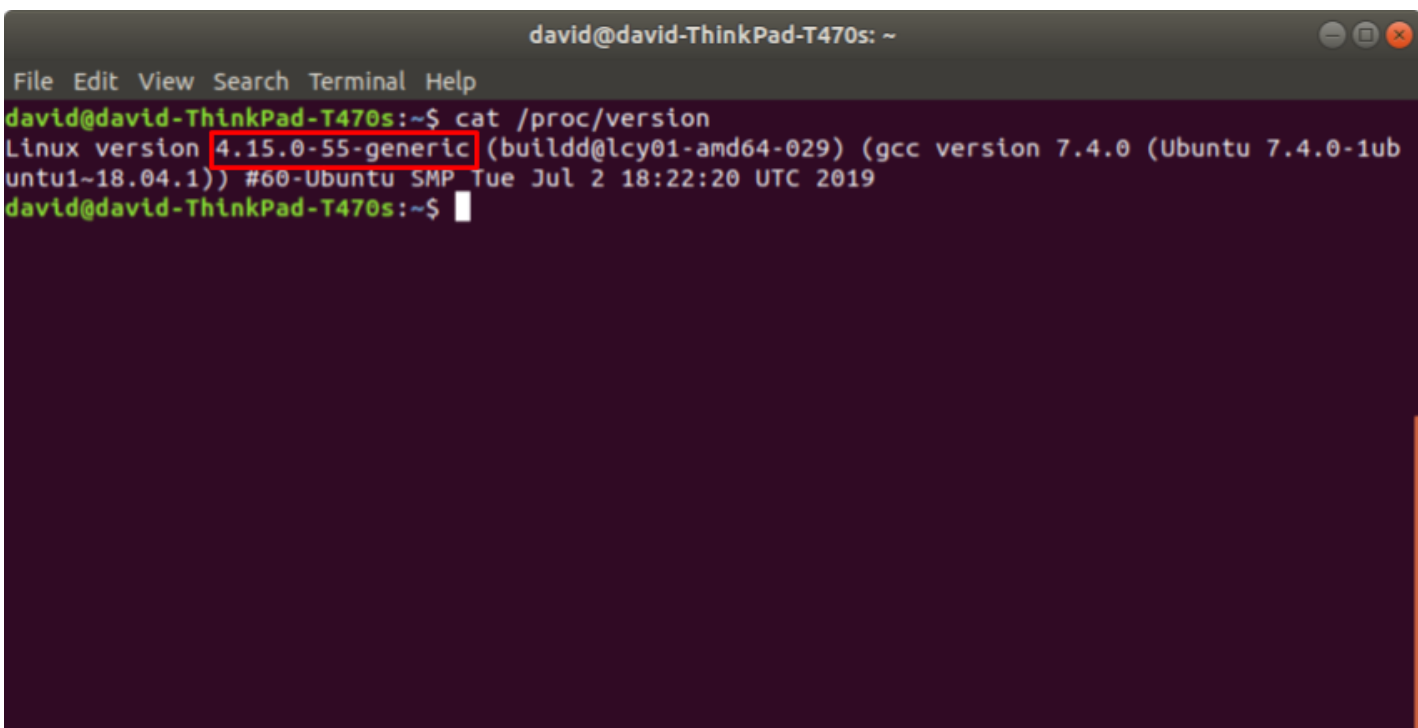
Information about the operating system exists outside of the `/proc` directory, in the `/etc/os-release` file.



There are several strings from which to choose here, but the most obvious is the value specified by "PRETTY\_NAME".

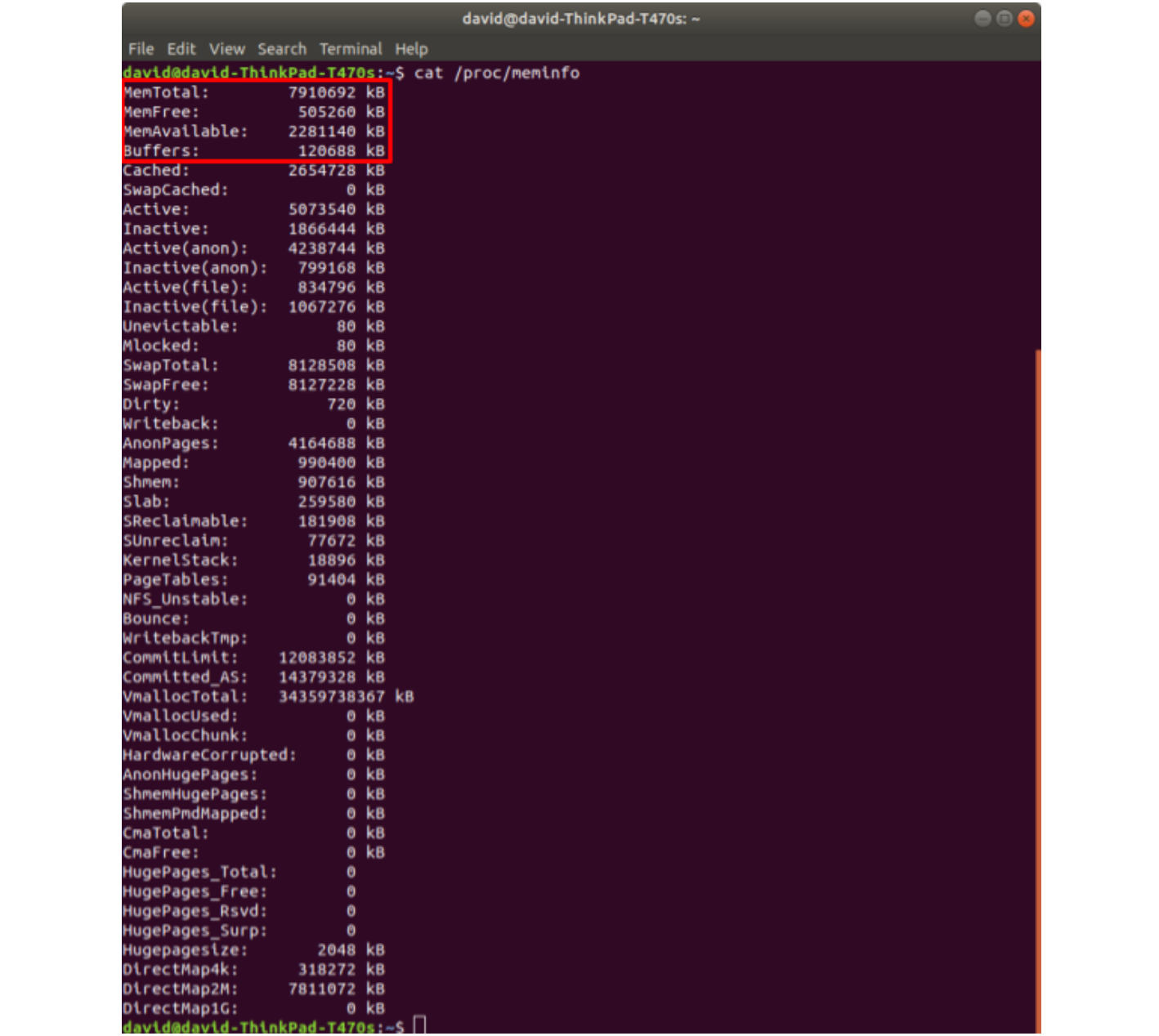
Kernel

Information about the kernel exists `/proc/version` file.



Memory Utilization

Information about memory utilization exists in the `/proc/meminfo` file.



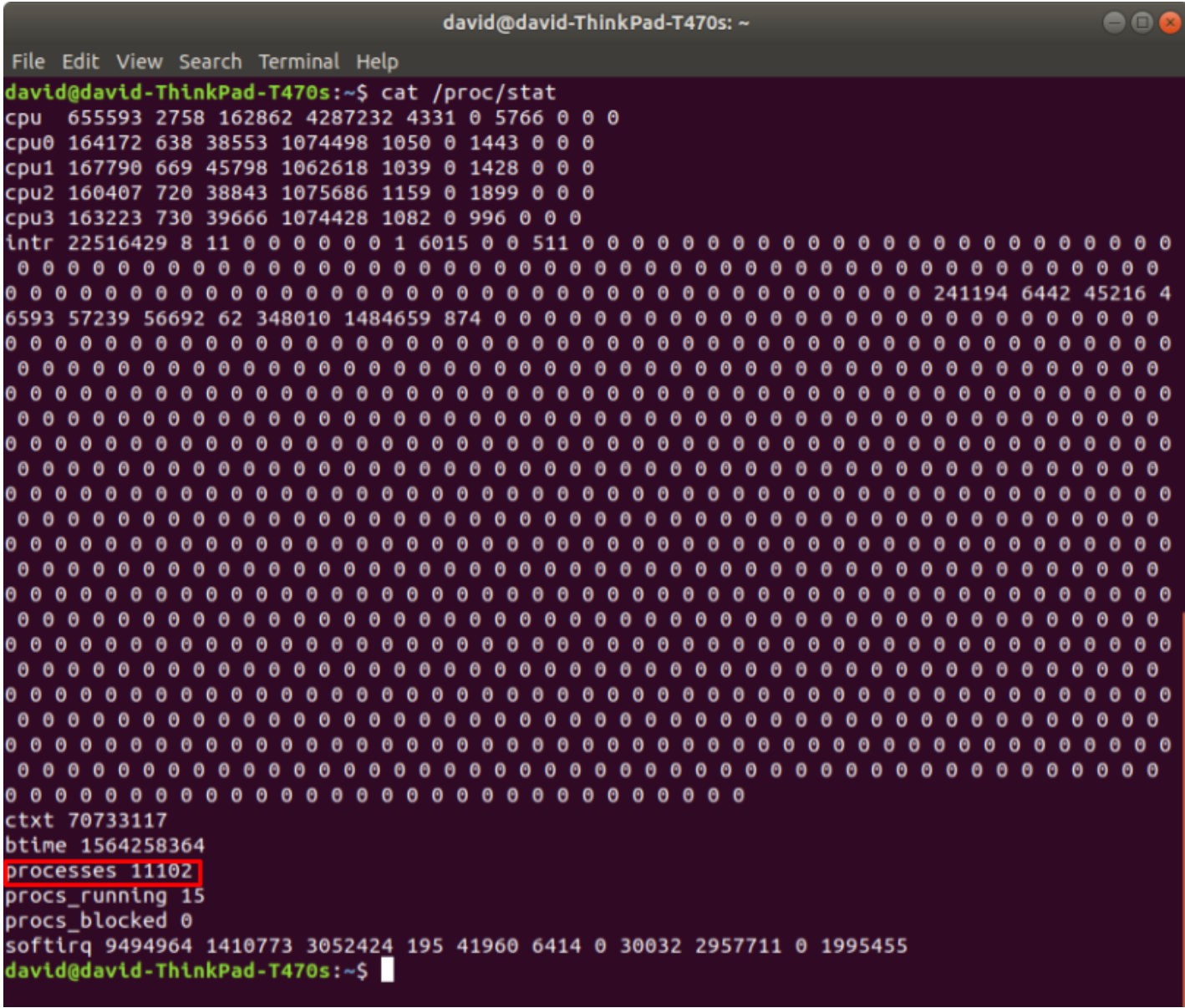
There are a **variety of ways** to use this data to calculate memory utilization.

Hisham H. Muhammad, the author of [htop](#), wrote a [Stack Overflow answer](#) about how htop calculates memory utilization from the data in `/proc/meminfo`.

Use the formula that makes the most sense to you!

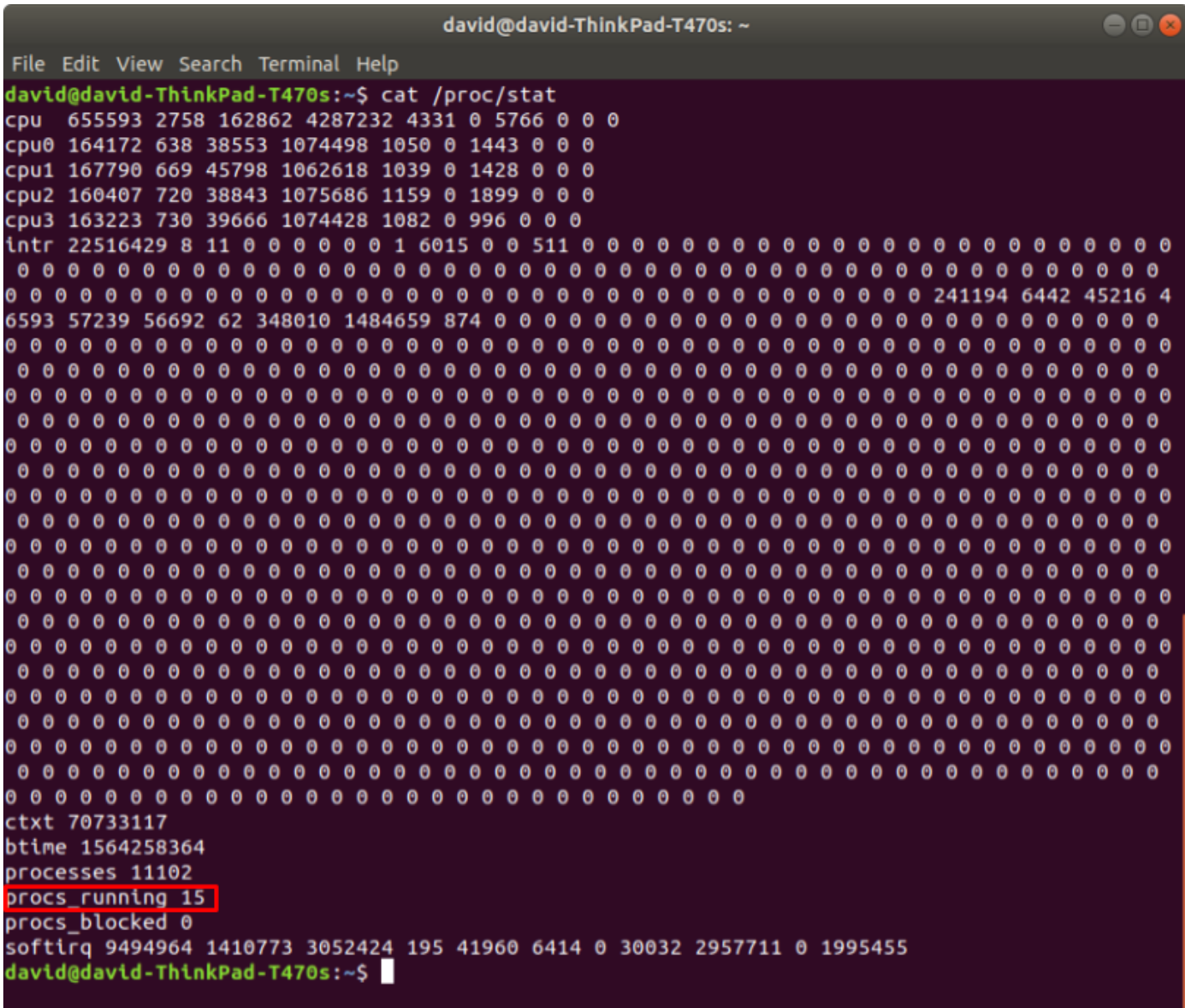
Total Processes

Information about the total number of processes on the system exists in the `/proc/meminfo` file.



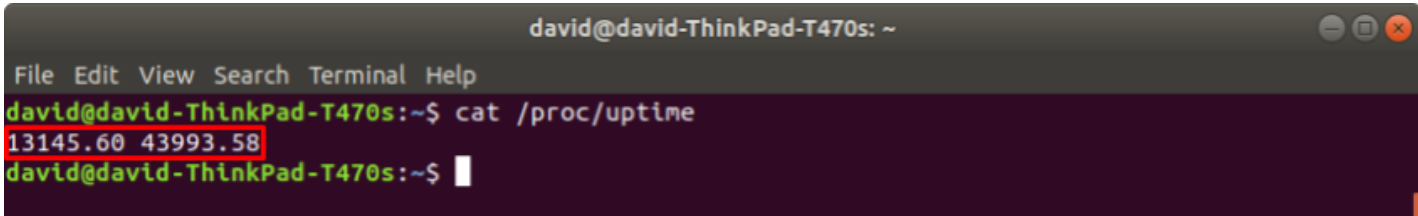
Running Processes

Information about the number of processes on the system that are currently running exists in the `/proc/meminfo` file.



Up Time

Information about system up time exists in the `/proc/uptime` file.



This file contains two numbers (values in seconds): the uptime of the system (including time spent in suspend) and the amount of time spent in the idle process.

From the [man](#) page for `proc`