Rapport operativsystem lab2

Homeassignment 3:

4GB

1 GB

Homeassignment 4:

Under swpd, buff, cache, si, so, bi, bo,

Under %CPU and TIME+

Task 1:

test1.c

Memory usage 4GB

Memory usage was the same as the prediction from home assignment 3.

Cpu utilization 100%

CPU bound

test2.c

Memory usage 1GB

ca 5 million blocks

Cpu utilization ca 70%

I/O bound

Task 2:

The first script ”run1” executes, sequentially, task1 three times, then task2 two times. The second script ”run2” tries to execute task1 three times while executing task2 two times at the same time.

run1:

1 min 27,265 sekunder

The CPU utilization was around 100% during the runtime of task1. During task2 the CPU utilization was around 60%.

run2:

14,805 sekunder

The CPU utilization was around 100% during run2.

run2 executed faster.

run2 utilized the system best, because the system utilized the resources that otherwise would have been unused like in run1.