

```
samate@samate-T450: ~  
top - 14:06:45 up 5:44, 1 user, load average: 1,16, 1,71, 2,17  
Tasks: 252 total, 1 running, 251 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 20,2 us, 5,5 sy, 0,0 ni, 74,3 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st  
MiB Mem : 15883,5 total, 6719,6 free, 4767,6 used, 4396,3 buff/cache  
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 9671,3 avail Mem  


| PID   | USER     | PR  | NI  | VIRT    | RES    | SHR    | S | %CPU | %MEM | TIME+    | COMMAND  |
|-------|----------|-----|-----|---------|--------|--------|---|------|------|----------|----------|
| 7449  | samate   | 20  | 0   | 16,9g   | 272448 | 125848 | S | 38,2 | 1,7  | 31:40.71 | Discord  |
| 10385 | samate   | 20  | 0   | 3048720 | 185068 | 118268 | S | 21,6 | 1,1  | 1:23.85  | teams    |
| 1314  | samate   | 9   | -11 | 5051840 | 22820  | 18068  | S | 17,6 | 0,1  | 21:06.27 | pulseau+ |
| 10327 | samate   | 20  | 0   | 2587564 | 613528 | 140900 | S | 12,3 | 3,8  | 1:13.00  | teams    |
| 1553  | samate   | 20  | 0   | 4331068 | 353644 | 108340 | S | 3,0  | 2,2  | 33:35.38 | gnome-s+ |
| 6348  | samate   | 20  | 0   | 5265044 | 491736 | 124636 | S | 2,3  | 3,0  | 40:09.94 | zoom     |
| 10239 | samate   | 20  | 0   | 1135332 | 117224 | 83512  | S | 1,7  | 0,7  | 0:33.58  | teams    |
| 1405  | samate   | 20  | 0   | 994764  | 114904 | 57056  | S | 1,0  | 0,7  | 14:58.48 | Xorg     |
| 3348  | samate   | 20  | 0   | 5275668 | 818760 | 254908 | S | 1,0  | 5,0  | 67:11.83 | firefox  |
| 368   | root     | -51 | 0   | 0       | 0      | 0      | S | 0,7  | 0,0  | 1:42.59  | irq/48+  |
| 5907  | samate   | 20  | 0   | 3185628 | 550908 | 159136 | S | 0,7  | 3,4  | 3:56.06  | Web Con+ |
| 10778 | samate   | 20  | 0   | 3086608 | 210856 | 167268 | S | 0,7  | 1,3  | 0:02.81  | wpsoffi+ |
| 670   | message+ | 20  | 0   | 10812   | 6756   | 4152   | S | 0,3  | 0,0  | 0:21.33  | dbus-da+ |
| 672   | root     | 20  | 0   | 422600  | 20412  | 17236  | S | 0,3  | 0,1  | 0:20.32  | Network+ |
| 3435  | samate   | 20  | 0   | 3239068 | 411428 | 161452 | S | 0,3  | 2,5  | 47:38.58 | Web Con+ |
| 6548  | samate   | 20  | 0   | 2465252 | 149412 | 106748 | S | 0,3  | 0,9  | 1:36.34  | Web Con+ |
| 9492  | root     | 20  | 0   | 0       | 0      | 0      | I | 0,3  | 0,0  | 0:07.26  | kworker+ |


```

```
samate@samate-T450: ~  
10239 samate 20 0 1133756 117224 83512 S 1,0 0,7 0:35.34 teams  
1574 samate 20 0 325408 11380 6928 S 0,7 0,1 0:00.65 ibus-da+  
7369 samate 20 0 4762348 148112 98580 S 0,7 0,9 1:11.69 Discord  
368 root -51 0 0 0 0 S 0,3 0,0 1:43.19 irq/48+  
670 message+ 20 0 10812 6756 4152 S 0,3 0,0 0:21.64 dbus-da+  
672 root 20 0 422600 20412 17236 S 0,3 0,1 0:20.55 Network+  
1579 samate 20 0 283784 27988 17740 S 0,3 0,2 0:01.88 ibus-ex+  
^Xsamate@samate-T450:~$ vmstat  
procs -----memory----- --swap-- -----io----- -system-- -----cpu-----  
r b swpd free buff cache si so bi bo in cs us sy id wa st  
0 0 0 7284596 113200 4364232 0 0 25 85 308 125 24 7 69 0  
0  
samate@samate-T450:~$ w  
14:10:14 up 5:47, 1 user, load average: 1,29, 1,59, 2,02  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
samate :0 :0 08:22 ?xdm? 6:05m 0.00s /usr/libexec/gd  
samate@samate-T450:~$ w samate  
14:10:39 up 5:48, 1 user, load average: 1,17, 1,54, 1,99  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
samate :0 :0 08:22 ?xdm? 6:06m 0.00s /usr/libexec/gd  
samate@samate-T450:~$ w xyz  
14:10:50 up 5:48, 1 user, load average: 1,60, 1,62, 2,02  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
samate@samate-T450:~$
```

```
samate@samate-T450: ~  
procs -----memory----- --swap-- -----io----- -system-- -----cpu-----  
r b swpd free buff cache si so bi bo in cs us sy id wa st  
0 0 0 7284596 113200 4364232 0 0 25 85 308 125 24 7 69 0  
0  
samate@samate-T450:~$ w  
14:10:14 up 5:47, 1 user, load average: 1,29, 1,59, 2,02  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
samate :0 :0 08:22 ?xdm? 6:05m 0.00s /usr/libexec/gd  
samate@samate-T450:~$ w samate  
14:10:39 up 5:48, 1 user, load average: 1,17, 1,54, 1,99  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
samate :0 :0 08:22 ?xdm? 6:06m 0.00s /usr/libexec/gd  
samate@samate-T450:~$ w xyz  
14:10:50 up 5:48, 1 user, load average: 1,60, 1,62, 2,02  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
samate@samate-T450:~$ who  
samate :0 2021-02-25 08:22 (:0)  
samate@samate-T450:~$ whoami  
samate  
samate@samate-T450:~$ uname  
Linux  
samate@samate-T450:~$ uptime  
14:13:49 up 5:51, 1 user, load average: 1,74, 1,77, 2,01  
samate@samate-T450:~$
```

Gondolom itt az  
“uptime”-ra  
gondolt tanárúr

```
samate@samate-T450: ~  
$ ps  
  PID TTY          TIME CMD  
 11290 pts/0    00:00:00 bash  
 11789 pts/0    00:00:00 ps  
samate@samate-T450:~$ ps -A  
  PID TTY          TIME CMD  
    1 ?           00:00:02 systemd  
    2 ?           00:00:00 kthreadd  
    3 ?           00:00:00 rcu_gp  
    4 ?           00:00:00 rcu_par_gp  
    6 ?           00:00:00 kworker/0:0H-kblockd  
    9 ?           00:00:00 mm_percpu_wq  
   10 ?           00:00:00 ksoftirqd/0  
   11 ?           00:00:27 rcu_sched  
   12 ?           00:00:00 migration/0  
   13 ?           00:00:00 idle_inject/0  
   14 ?           00:00:00 cpuhp/0  
   15 ?           00:00:00 cpuhp/1  
   16 ?           00:00:00 idle_inject/1  
   17 ?           00:00:00 migration/1  
   18 ?           00:00:00 ksoftirqd/1  
   20 ?           00:00:00 kworker/1:0H-kblockd  
   21 ?           00:00:00 cpuhp/2  
   22 ?           00:00:00 idle_inject/2  
   23 ?           00:00:00 migration/2  
   24 ?           00:00:01 ksoftirqd/2  
   26 ?           00:00:00 kworker/2:0H-kblockd  
   27 ?           00:00:00 cpuhp/3  
   28 ?           00:00:00 idle_inject/3  
   29 ?           00:00:00 migration/3  
   30 ?           00:00:01 ksoftirqd/3  
   32 ?           00:00:00 kworker/3:0H-kblockd  
   33 ?           00:00:00 kdevtmpfs  
   34 ?           00:00:00 netns  
   35 ?           00:00:00 rcu_tasks_kthre  
   36 ?           00:00:00 rcu_tasks_rude_  
   37 ?           00:00:00 rcu_tasks_trace
```

```
samate@samate-T450: ~  
0 S 1000 1679 1307 0 80 0 - 173360 do_pol ? 00:00:00 gsd-  
0 S 1000 1680 1307 0 80 0 - 65165 do_pol ? 00:00:00 gsd-  
0 S 1000 1683 1307 0 80 0 - 117151 do_pol ? 00:00:00 gsd-  
0 S 1000 1684 1307 0 80 0 - 61790 do_pol ? 00:00:00 gsd-  
0 S 1000 1688 1307 0 80 0 - 119088 do_pol ? 00:00:05 gsd-  
0 S 1000 1695 1307 0 80 0 - 100145 do_pol ? 00:00:00 gsd-  
0 S 1000 1699 1307 0 80 0 - 82937 do_pol ? 00:00:00 gsd-  
0 S 1000 1705 1307 0 80 0 - 87949 do_pol ? 00:00:00 gsd-  
0 S 1000 1708 1307 0 80 0 - 88295 do_pol ? 00:00:00 gsd-  
0 S 1000 1717 1534 0 80 0 - 58013 do_pol ? 00:00:00 gsd-  
0 S 1000 1742 1534 0 80 0 - 162772 do_pol ? 00:00:00 evol  
4 S 1000 1787 1307 0 80 0 - 304705 do_pol ? 00:00:07 snap  
0 S 1000 1799 1307 0 80 0 - 88770 do_pol ? 00:00:00 gsd-  
0 S 1000 1805 1307 0 80 0 - 117264 do_pol ? 00:00:00 xdg-  
4 S 0 1809 1805 0 80 0 - 647 - ? 00:00:00 fuse  
0 S 1000 1898 1574 0 80 0 - 43559 do_pol ? 00:00:00 ibus  
0 S 1000 2717 1307 0 80 0 - 43450 do_pol ? 00:00:00 gvfs  
0 S 1000 2720 1534 0 80 0 - 106848 do_pol ? 00:00:00 upda  
4 S 1000 3348 1307 19 80 0 - 1317681 do_pol ? 01:07:15 fire  
4 S 1000 3435 3348 13 80 0 - 809251 do_pol ? 00:47:40 Web  
4 S 1000 3464 3348 0 80 0 - 617240 do_pol ? 00:02:01 Priv  
4 S 1000 3550 3348 0 80 0 - 701792 do_pol ? 00:00:38 WebE  
0 S 1000 3608 3348 0 80 0 - 51740 do_pol ? 00:00:00 chro  
4 S 1000 3744 3348 35 80 0 - 93581 do_pol ? 02:05:21 RDD  
4 S 1000 5907 3348 1 80 0 - 796407 do_pol ? 00:03:59 Web  
4 S 1000 5993 3348 0 80 0 - 694189 do_pol ? 00:02:10 Web  
4 S 1000 6056 3348 0 80 0 - 615764 do_pol ? 00:02:10 Web  
4 S 1000 6548 3348 0 80 0 - 616313 do_pol ? 00:01:36 Web  
4 S 1000 6681 3348 0 80 0 - 614998 do_pol ? 00:01:08 Web  
4 S 1000 6899 3348 0 80 0 - 645886 do_pol ? 00:01:18 Web  
0 S 1000 7182 1339 0 80 0 - 99852 do_pol ? 00:00:00 gvfs  
0 S 1000 7199 1339 0 80 0 - 81851 do_pol ? 00:00:00 gvfs  
4 S 1000 7266 3348 3 80 0 - 805069 do_pol ? 00:07:25 Web  
0 S 1000 7344 1307 0 80 0 - 286217 do_pol ? 00:00:03 naut  
4 S 1000 7369 1553 0 80 0 - 1190587 do_pol ? 00:01:15 Disc  
0 S 1000 7374 7369 0 80 0 - 53755 do_pol ? 00:00:00 Disc  
4 S 1000 7375 7369 0 80 0 - 53755 do_wai ? 00:00:00 Disc
```



```
samate@samate-T450: ~  
0 S samate 10239 10200 3 80 0 - 283138 do_pol 13:57 ? 00:0  
0:44 /usr/share/teams/teams --type=gpu-process --field-trial-handle=157182  
0 S samate 10248 10200 0 80 0 - 199892 futex_ 13:57 ? 00:0  
0:02 /usr/share/teams/teams --type=utility --field-trial-handle=1571826508  
0 S samate 10272 10200 0 80 0 - 335825 futex_ 13:57 ? 00:0  
0:00 /usr/share/teams/teams --type=renderer --autoplay-policy=no-user-gest  
0 S samate 10327 10200 8 80 0 - 635011 futex_ 13:57 ? 00:0  
1:43 /usr/share/teams/teams --type=renderer --autoplay-policy=no-user-gest  
1 S samate 10370 10206 0 80 0 - 319561 futex_ 13:57 ? 00:0  
0:04 /usr/share/teams/teams --type=renderer --autoplay-policy=no-user-gest  
0 S samate 10385 10200 17 80 0 - 764165 futex_ 13:57 ? 00:0  
3:44 /usr/share/teams/teams --type=renderer --autoplay-policy=no-user-gest  
1 I root 10550 2 0 80 0 - 0 - 14:00 ? 00:0  
0:00 [kworker/3:0-events]  
1 I root 10551 2 0 80 0 - 0 - 14:00 ? 00:0  
0:00 [kworker/1:1-events]  
1 I root 10552 2 0 80 0 - 0 - 14:00 ? 00:0  
0:00 [kworker/0:0-events]  
1 I root 10560 2 0 80 0 - 0 - 14:00 ? 00:0  
0:00 [kworker/u16:3-events_unbound]  
0 S samate 10644 1307 1 80 0 - 377043 do_pol 14:05 ? 00:0  
0:12 evince /home/samate/Desktop/3B. Gyak.pdf  
0 S samate 10650 1307 0 80 0 - 39011 do_pol 14:05 ? 00:0  
0:00 /usr/libexec/evince  
0 S samate 10775 1553 0 80 0 - 5285 do_wai 14:05 ? 00:0  
0:00 /bin/bash /usr/bin/wps  
0 S samate 10778 10775 1 80 0 - 759358 do_pol 14:05 ? 00:0  
0:13 /opt/kingsoft/wps-office/office6/wpsoffice  
0 S samate 10781 1307 0 80 0 - 7442 do_pol 14:05 ? 00:0  
0:00 /usr/lib/x86_64-linux-gnu/gconf/gconfd-2  
0 S samate 10796 10778 0 80 0 - 60716 do_pol 14:05 ? 00:0  
0:00 /opt/kingsoft/wps-office/office6/promceefpluginhost --type=zygote --n  
0 S samate 10849 1307 5 80 0 - 271889 do_pol 14:05 ? 00:0  
0:43 /opt/kingsoft/wps-office/office6/wps /wps /from_prome /prom-pipe-tok  
0 S samate 11282 1307 0 80 0 - 206639 do_pol 14:06 ? 00:0  
0:05 /usr/libexec/gnome-terminal-server  
0 S samate 11290 11282 0 80 0 - 5593 do_wai 14:06 pts/0 00:0
```

```
samate@samate-T450: ~  
0 S samate 7344 1307 0 80 0 - 286217 do_pol 10:56 ? 00:0  
0:03 /usr/bin/nautilus --gapplication-service  
0 S samate 8098 1307 0 80 0 - 216916 do_pol 11:42 ? 00:0  
0:00 /usr/bin/gnome-calendar --gapplication-service  
0 S samate 8102 1307 0 80 0 - 221273 do_pol 11:42 ? 00:0  
0:00 /usr/bin/seahorse --gapplication-service  
4 S samate 10200 1307 1 80 0 - 688644 do_pol 13:57 ? 00:0  
0:13 /usr/share/teams/teams  
4 S samate 10204 10200 0 80 0 - 51619 do_wai 13:57 ? 00:0  
0:00 /usr/share/teams/teams --type=zygote --electron-shared-settings  
5 S samate 10206 10204 0 80 0 - 51619 do_pol 13:57 ? 00:0  
0:00 /usr/share/teams/teams --type=zygote --electron-shared-settin  
1 S samate 10370 10206 0 80 0 - 319561 futex_ 13:57 ? 00:0  
0:04 /usr/share/teams/teams --type=renderer --autoplay-policy=no  
0 S samate 10239 10200 3 80 0 - 282978 do_pol 13:57 ? 00:0  
0:46 /usr/share/teams/teams --type=gpu-process --field-trial-handle=  
0 S samate 10248 10200 0 80 0 - 199892 futex_ 13:57 ? 00:0  
0:02 /usr/share/teams/teams --type=utility --field-trial-handle=1571  
0 S samate 10272 10200 0 80 0 - 335825 futex_ 13:57 ? 00:0  
0:00 /usr/share/teams/teams --type=renderer --autoplay-policy=no-use  
0 S samate 10327 10200 8 80 0 - 648348 futex_ 13:57 ? 00:0  
1:48 /usr/share/teams/teams --type=renderer --autoplay-policy=no-use  
0 S samate 10385 10200 18 80 0 - 764101 futex_ 13:57 ? 00:0  
4:01 /usr/share/teams/teams --type=renderer --autoplay-policy=no-use  
0 S samate 10644 1307 1 80 0 - 379257 do_pol 14:05 ? 00:0  
0:14 evince /home/samate/Desktop/3B. Gyak.pdf  
0 S samate 10650 1307 0 80 0 - 39011 do_pol 14:05 ? 00:0  
0:00 /usr/libexec/evince  
0 S samate 10781 1307 0 80 0 - 7442 do_pol 14:05 ? 00:0  
0:00 /usr/lib/x86_64-linux-gnu/gconf/gconfd-2  
0 S samate 10849 1307 5 80 0 - 274071 do_pol 14:05 ? 00:0  
0:47 /opt/kingsoft/wps-office/office6/wps /wps /from_prome /prom-pipe  
0 S samate 11282 1307 0 80 0 - 206673 - 14:06 ? 00:0  
0:05 /usr/libexec/gnome-terminal-server  
0 S samate 11290 11282 0 80 0 - 5593 do_wai 14:06 pts/0 00:0  
0:00 bash  
4 R samate 12083 11290 0 80 0 - 6077 - 14:20 pts/0 00:0
```



```
samate@samate-T450: ~  
8098 ?      Sl      0:00 /usr/bin/gnome-calendar --gapplication-servic  
8102 ?      Sll     0:00 /usr/bin/seahorse --gapplication-service  
8292 ?      Sl      0:08 simple-scan  
8314 ?      S       0:00 /usr/lib/cups/notifier/dbus dbus://  
8315 ?      S       0:00 /usr/lib/cups/notifier/dbus dbus://  
8655 ?      I<      0:09 [kworker/u17:0-rb_allocator]  
8775 ?      Sl      0:56 /usr/lib/firefox/firefox -contentproc -childI  
8893 ?      I       0:17 [kworker/3:2-events]  
9243 ?      I       0:01 [kworker/u16:0-phy0]  
9461 ?      Sl      0:37 gnome-control-center wifi  
9492 ?      I       0:09 [kworker/0:1-events]  
9860 ?      I       0:00 [kworker/u16:1-events_unbound]  
9879 ?      I       0:05 [kworker/2:1-events]  
9902 ?      I       0:05 [kworker/1:0-events]  
9933 ?      I       0:23 [kworker/2:2-events]  
10200 ?     Sl      0:14 /usr/share/teams/teams  
10204 ?     S       0:00 /usr/share/teams/teams --type=zygote --electr  
10206 ?     S       0:00 /usr/share/teams/teams --type=zygote --electr  
10239 ?     Sl      0:48 /usr/share/teams/teams --type=gpu-process --f  
10248 ?     Sl      0:02 /usr/share/teams/teams --type=utility --field  
10272 ?     Sl      0:00 /usr/share/teams/teams --type=renderer --auto  
10327 ?     Sl      1:54 /usr/share/teams/teams --type=renderer --auto  
10370 ?     Sl      0:04 /usr/share/teams/teams --type=renderer --auto  
10385 ?     Sl      4:23 /usr/share/teams/teams --type=renderer --auto  
10550 ?     I       0:00 [kworker/3:0-events]  
10551 ?     I       0:00 [kworker/1:1-events]  
10552 ?     I       0:00 [kworker/0:0-events]  
10560 ?     I       0:00 [kworker/u16:3-events_unbound]  
10644 ?     Sl      0:15 evince /home/samate/Desktop/3B. Gyak.pdf  
10650 ?     Sl      0:00 /usr/libexec/evince  
10775 ?     S       0:00 /bin/bash /usr/bin/wps  
10778 ?     Sl      0:17 /opt/kingsoft/wps-office/office6/wpsoffice  
10781 ?     S       0:00 /usr/lib/x86_64-linux-gnu/gconf/gconfd-2  
10796 ?     S       0:00 /opt/kingsoft/wps-office/office6/promocetplug  
10849 ?     Sl      0:57 /opt/kingsoft/wps-office/office6/wps /wps /fr  
11282 ?     Ssl     0:05 /usr/libexec/gnome-terminal-server  
11290 pts/0  Ss      0:00 bash
```

```
samate@samate-T450: ~  
samate      7411  0.0  0.4 282228 67884 ?      Sl      10:57  0:02 /usr/sh  
samate      7449 18.7 1.6 17723660 271520 ?     Sl      10:57 38:28 /usr/sh  
samate      7472  0.0  0.3 532328 52832 ?      Sl      10:57  0:01 /usr/sh  
samate      8098  0.0  0.3 867664 53636 ?      Sl      11:42  0:00 /usr/bi  
samate      8102  0.0  0.2 885092 39424 ?      Sll     11:42  0:00 /usr/bi  
samate      8292  0.0  0.6 1296800 110384 ?     Sl      11:42  0:08 simple-  
lp          8314  0.0  0.0 16228 6668 ?      S       11:42  0:00 /usr/li  
lp          8315  0.0  0.0 16228 6536 ?      S       11:42  0:00 /usr/li  
root        8655  0.1  0.0 0 0 ?      I<      11:58  0:09 [kworke  
samate      8775  0.6  1.1 2537408 179536 ?     Sl      12:01  0:56 /usr/li  
root        8893  0.2  0.0 0 0 ?      I       12:05  0:17 [kworke  
root        9243  0.0  0.0 0 0 ?      I       12:40  0:01 [kworke  
samate      9461  0.7  0.7 1298412 122984 ?     Sl      12:54  0:38 gnome-c  
root        9492  0.1  0.0 0 0 ?      I       12:54  0:09 [kworke  
root        9860  0.0  0.0 0 0 ?      I       13:27  0:00 [kworke  
root        9879  0.1  0.0 0 0 ?      I       13:30  0:05 [kworke  
root        9902  0.1  0.0 0 0 ?      I       13:34  0:05 [kworke  
root        9933  0.8  0.0 0 0 ?      I       13:37  0:24 [kworke  
samate     10200  0.9  1.3 2754576 217336 ?     Sl      13:57  0:14 /usr/sh  
samate     10204  0.0  0.2 206476 41796 ?      S       13:57  0:00 /usr/sh  
samate     10206  0.0  0.0 206476 10524 ?      S       13:57  0:00 /usr/sh  
samate     10239  3.2  0.7 1132856 117224 ?     Sl      13:57  0:48 /usr/sh  
samate     10248  0.1  0.3 799568 64116 ?      Sl      13:57  0:02 /usr/sh  
samate     10272  0.0  0.6 1343300 103276 ?     Sl      13:57  0:00 /usr/sh  
samate     10327  7.7  3.4 2534156 557904 ?     Sl      13:57  1:56 /usr/sh  
samate     10370  0.2  0.8 1278244 131944 ?     Sl      13:57  0:04 /usr/sh  
samate     10385 18.3  1.1 3056660 187720 ?     Sl      13:57  4:33 /usr/sh  
root        10550  0.0  0.0 0 0 ?      I       14:00  0:00 [kworke  
root        10551  0.0  0.0 0 0 ?      I       14:00  0:00 [kworke  
root        10552  0.0  0.0 0 0 ?      I       14:00  0:00 [kworke  
root        10560  0.0  0.0 0 0 ?      I       14:00  0:00 [kworke  
samate     10644  1.5  0.5 1517556 83208 ?     Sl      14:05  0:16 evince  
samate     10650  0.0  0.0 156044 5528 ?      Sl      14:05  0:00 /usr/li  
samate     10775  0.0  0.0 21140 3600 ?      S       14:05  0:00 /bin/ba  
samate     10778  1.8  1.2 3037432 211048 ?     Sl      14:05  0:18 /opt/ki  
samate     10781  0.0  0.0 29768 6508 ?      S       14:05  0:00 /usr/li  
samate     10796  0.0  0.2 242864 48332 ?      S       14:05  0:00 /opt/ki
```



samate@samate-T450: ~					
1688	1688	1688 ?	00:00:05	gsd-sharing	
1695	1695	1695 ?	00:00:00	gsd-smartcard	
1699	1699	1699 ?	00:00:00	gsd-sound	
1705	1705	1705 ?	00:00:00	gsd-wacom	
1708	1708	1708 ?	00:00:00	gsd-xsettings	
1787	1534	1534 ?	00:00:07	snap-store	
1799	1680	1680 ?	00:00:00	gsd-printer	
1805	1805	1805 ?	00:00:00	xdg-document-po	
1809	1809	1809 ?	00:00:00	fusermount	
2717	2717	2717 ?	00:00:00	gvfsd-metadata	
3348	1553	1553 ?	01:07:18	firefox	
3435	1553	1553 ?	00:47:41	Web Content	
3464	1553	1553 ?	00:02:01	Privileged Cont	
3550	1553	1553 ?	00:00:38	WebExtensions	
3608	1553	1553 ?	00:00:00	chrome-gnome-sh	
3744	1553	1553 ?	02:05:21	RDD Process	
5907	1553	1553 ?	00:04:02	Web Content	
5993	1553	1553 ?	00:02:10	Web Content	
6056	1553	1553 ?	00:02:10	Web Content	
6548	1553	1553 ?	00:01:36	Web Content	
6681	1553	1553 ?	00:01:08	Web Content	
6899	1553	1553 ?	00:01:18	Web Content	
7266	1553	1553 ?	00:07:27	Web Content	
8775	1553	1553 ?	00:00:56	Web Content	
7344	1318	1318 ?	00:00:03	nautilus	
8098	1318	1318 ?	00:00:00	gnome-calendar	
8102	1318	1318 ?	00:00:00	seahorse	
10200	1553	1553 ?	00:00:14	teams	
10204	1553	1553 ?	00:00:00	teams	
10206	1553	1553 ?	00:00:00	teams	
10370	1553	1553 ?	00:00:04	teams	
10239	1553	1553 ?	00:00:50	teams	
10248	1553	1553 ?	00:00:02	teams	
10272	1553	1553 ?	00:00:00	teams	
10327	1553	1553 ?	00:01:59	teams	
10385	1553	1553 ?	00:04:49	teams	
10644	1553	1553 ?	00:00:19	evince	

samate@samate-T450: ~					
1307	1688	1688	1688 ?	-1 Ssl	1000 0:05 \_ /us
1307	1695	1695	1695 ?	-1 Ssl	1000 0:00 \_ /us
1307	1699	1699	1699 ?	-1 Ssl	1000 0:00 \_ /us
1307	1705	1705	1705 ?	-1 Ssl	1000 0:00 \_ /us
1307	1708	1708	1708 ?	-1 Ssl	1000 0:00 \_ /us
1307	1787	1534	1534 ?	-1 Sl	1000 0:07 \_ /sn
1307	1799	1680	1680 ?	-1 Sl	1000 0:00 \_ /us
1307	1805	1805	1805 ?	-1 Ssl	1000 0:00 \_ /us
1805	1809	1809	1809 ?	-1 Ss	0 0:00   fus
1307	2717	2717	2717 ?	-1 Ssl	1000 0:00 \_ /us
1307	3348	1553	1553 ?	-1 Sl	1000 67:18 \_ /us
3348	3435	1553	1553 ?	-1 Sl	1000 47:41   /us
3348	3464	1553	1553 ?	-1 Sl	1000 2:01   /us
3348	3550	1553	1553 ?	-1 Sl	1000 0:38   /us
3348	3608	1553	1553 ?	-1 Sl	1000 0:00   /us
3348	3744	1553	1553 ?	-1 Sl	1000 125:21   /us
3348	5907	1553	1553 ?	-1 Sl	1000 4:02   /us
3348	5993	1553	1553 ?	-1 Sl	1000 2:10   /us
3348	6056	1553	1553 ?	-1 Sl	1000 2:10   /us
3348	6548	1553	1553 ?	-1 Sl	1000 1:36   /us
3348	6681	1553	1553 ?	-1 Sl	1000 1:08   /us
3348	6899	1553	1553 ?	-1 Sl	1000 1:18   /us
3348	7266	1553	1553 ?	-1 Sl	1000 7:27   /us
3348	8775	1553	1553 ?	-1 Sl	1000 0:56   /us
1307	7344	1318	1318 ?	-1 Sl	1000 0:03 \_ /us
1307	8098	1318	1318 ?	-1 Sl	1000 0:00 \_ /us
1307	8102	1318	1318 ?	-1 Sll	1000 0:00 \_ /us
1307	10200	1553	1553 ?	-1 Sl	1000 0:14 \_ /us
10200	10204	1553	1553 ?	-1 S	1000 0:00   /us
10204	10206	1553	1553 ?	-1 S	1000 0:00   /us
10206	10370	1553	1553 ?	-1 Sl	1000 0:04   /us
10200	10239	1553	1553 ?	-1 Sl	1000 0:50   /us
10200	10248	1553	1553 ?	-1 Sl	1000 0:02   /us
10200	10272	1553	1553 ?	-1 Sl	1000 0:00   /us
10200	10327	1553	1553 ?	-1 Sl	1000 2:01   /us
10200	10385	1553	1553 ?	-1 Sl	1000 4:57   /us
1307	10644	1553	1553 ?	-1 Sl	1000 0:20 \_ evi

```
samate@samate-T450: ~  
-gvfs-afc-volume—3*[{gvfs-afc-volume}]  
-gvfs-goa-volume—2*[{gvfs-goa-volume}]  
-gvfs-gphoto2-vo—2*[{gvfs-gphoto2-vo}]  
-gvfs-mtp-volume—2*[{gvfs-mtp-volume}]  
-gvfs-udisks2-vo—3*[{gvfs-udisks2-vo}]  
-gvfsd—gvfsd-dnssd—2*[{gvfsd-dnssd}]  
      |gvfsd-network—3*[{gvfsd-network}]  
      |gvfsd-trash—2*[{gvfsd-trash}]  
      |2*[{gvfsd}]  
-gvfsd-fuse—5*[{gvfsd-fuse}]  
-gvfsd-metadata—2*[{gvfsd-metadata}]  
-ibus-portal—2*[{ibus-portal}]  
-ibus-x11—2*[{ibus-x11}]  
-nautilus—5*[{nautilus}]  
-pulseaudio—6*[{pulseaudio}]  
-seahorse—3*[{seahorse}]  
-snap-store—4*[{snap-store}]  
-teams—teams—teams—teams—9*[{teams}]  
      |teams—9*[{teams}]  
      |teams—5*[{teams}]  
      |teams—11*[{teams}]  
      |teams—16*[{teams}]  
      |teams—46*[{teams}]  
      |30*[{teams}]  
-tracker-miner-f—4*[{tracker-miner-f}]  
-wps—9*[{wps}]  
-xdg-document-po—fusermount  
                  |6*[{xdg-document-po}]  
-xdg-permission—2*[{xdg-permission-}]  
-systemd-journal  
-systemd-logind  
-systemd-resolve  
-systemd-timesyn—{systemd-timesyn}  
-systemd-udev  
-teamviewerd—14*[{teamviewerd}]  
-thermald—{thermald}  
-udisksd—4*[{udisksd}]
```

```
samate@samate-T450: ~  
-teams—46*[{teams}]  
  |30*[{teams}]  
-tracker-miner-f—4*[{tracker-miner-f}]  
-wps—9*[{wps}]  
-xdg-document-po—fusermount  
                  |6*[{xdg-document-po}]  
-xdg-permission—2*[{xdg-permission-}]  
-systemd-journal  
-systemd-logind  
-systemd-resolve  
-systemd-timesyn—{systemd-timesyn}  
-systemd-udev  
-teamviewerd—14*[{teamviewerd}]  
-thermald—{thermald}  
-udisksd—4*[{udisksd}]  
-unattended-upgr—{unattended-upgr}  
-upowerd—2*[{upowerd}]  
-wpa_supplicant  
samate@samate-T450:~$ ps -p 1286 -o comm=  
samate@samate-T450:~$ ps -p 1286 -o comm=1  
1  
samate@samate-T450:~$ ps -p 1286 -o comm=4  
4  
samate@samate-T450:~$ ps -p 1286 -o  
error: format specification must follow -o  
  
Usage:  
ps [options]  
  
Try 'ps --help <simple|list|output|threads|misc|all>'  
or 'ps --help <s|l|o|t|m|a>'  
for additional help text.  
  
For more details see ps(1).  
samate@samate-T450:~$ ps -p 1286 -o comm=4134  
4134  
samate@samate-T450:~$
```



```
samate@samate-T450: ~  
4134  
samate@samate-T450:~$ ps -auxf | sort -nr -k 3 | head -5  
samate      3744 34.4  0.4 374324 68084 ?        Sl   08:25 125:21 | \_  
/usr/lib/firefox/firefox -contentproc -parentBuildID 20210204182252 -pref  
sLen 9150 -prefMapSize 232983 -appdir /usr/lib/firefox/browser 3348 true r  
dd  
samate      7449 19.4  1.6 17724684 274544 ?        Sl   10:57 41:05 | |  
\_ /usr/share/discord/Discord --type=renderer --autoplay-policy=no-user-g  
esture-required --field-trial-handle=18146152933996647618,872216474717132  
5450,131072 --enable-features=WebComponentsV0Enabled --disable-features=Sp  
areRendererForSitePerProcess --lang=en-US --enable-crash-reporter=57dd7a30  
-0a31-4865-b213-a2219e8205ac,no_channel --global-crash-keys=57dd7a30-0a31-  
4865-b213-a2219e8205ac,no_channel,_productName=Discord Inc.,_productName=D  
iscord,_version=0.0.13 --app-path=/usr/share/discord/resources/app.asar --  
no-sandbox --no-zygote --native-window-open --preload=/home/samate/.config  
/discord/0.0.13/modules/discord_desktop_core/core.asar/app/mainScreenPrelo  
ad.js --context-isolation --background-color=#202225 --enable-spellcheck -  
-enable-websql --num-raster-threads=2 --enable-main-frame-before-activatio  
n --renderer-client-id=7 --no-v8-untrusted-code-mitigations --shared-files  
=v8_snapshot_data:100 --enable-node-leakage-in-renderers  
samate     10385 18.5  1.1 3048464 189480 ?        Sl   13:57  5:46 | \_  
/usr/share/teams/teams --type=renderer --autoplay-policy=no-user-gesture-  
required --disable-background-timer-throttling --field-trial-handle=157182  
65082784349956,1302807101379313867,131072 --enable-features=WebComponentsV  
0Enabled --disable-features=PictureInPicture,SpareRendererForSiteProces  
s --lang=en-US --app-path=/usr/share/teams/resources/app.asar --no-sandbox  
--no-zygote --preload=/usr/share/teams/resources/app.asar/lib/pluginhost/  
preload.js --background-color=#fff --enable-websql --electron-shared-setti  
ngs=eyJjci5jb21wYW55Ijo1TWljcm9zb2Z0IiwiaWY3IuZHVtcHM0IiIvdG1wL2NvbSS5taWNYb3  
NvZnQudGVhbXBubGludXggQ3Jhc2hlcyIsImNyLnVudWJsZWQ0OnRydWUsImNyLnByb2R1Y3Qi  
OiJjb20ubWljcm9zb2Z0LnRlYW1zLmVudWJsZWQ0IiwiaWY3Iuc2Vzc2lvbiI6ImRlc2t0b3AtNTgzOG  
VhNDQtNzhmYi00MmFkLTNmM2Mtd0BjNmZlZTU5OWZlIiwiaWY3IudXJsIjo1YXBWY2VudGVyOi8v  
Z2VuZXJpYz9haWQ9NTA0OTNjODk4YzFmNGZlNTlhMTgzZjRiNDIiZmU2YmEmaWlkPTdhZjIyNW  
FmNDQ2OGM0OTZHTNTiM2ZiYmJkMDIxMzRmZDdmNzQzN2NmMzZmZDQ3YWYxMzhhOWU2NWZiNmFL  
NGMmdWlkPSIsImNyLnZlcnNpb24iOiIxLjMuMDAuMzA4NTcifQ== --num-raster-threads=  
2 --enable-main-frame-before-activation --renderer-cli --no-v8-untrusted-  
code-mitigations --shared-files=v8_snapshot_data:100 --msteams-process-typ
```

```
samate@samate-T450: ~  
samate@samate-T450:~$ free  
              total        used         free       shared    buff/cache   available  
Mem:           16264680      4864668      6864544       1130836       4535468       9947176  
Swap:            2097148           0         2097148  
samate@samate-T450:~$
```

```
samate@samate-T450: ~  
samate@samate-T450:~$ iostat  
Linux 5.8.0-44-generic (samate-T450)      2021-02-25      _x86_64_      (4 CPU)  
  
avg-cpu:  %user   %nice %system %iowait  %steal   %idle  
           24,10    0,02    6,79    0,03    0,00   69,06  
  
Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn  
rtn              kB_dscd  
loop0             0,00         0,05         0,00         0,00        1089  
0  
loop1             0,02         0,24         0,00         0,00        5375  
0  
loop10            0,00         0,05         0,00         0,00        1136  
0  
loop11            0,03         0,55         0,00         0,00       12187  
0  
loop12            0,00         0,00         0,00         0,00         18  
0  
loop2             0,00         0,02         0,00         0,00         345  
0  
loop3             0,01         0,07         0,00         0,00        1576  
0  
loop4             0,00         0,05         0,00         0,00       1080  
0
```

```
samate@samate-T450: ~  
samate@samate-T450:~$ sar  
Cannot open /var/log/sysstat/sa25: No such file or directory  
Please check if data collecting is enabled  
samate@samate-T450:~$ ?  
  
samate@samate-T450:~$ mpstat  
Linux 5.8.0-44-generic (samate-T450)      2021-02-25      _x86_64_      (4 CPU)  
  
14:35:45      CPU      %usr      %nice      %sys      %iowait      %irq      %soft      %steal      %guest  
      %gnice      %idle  
14:35:45      all      24,09      0,02      6,43      0,03      0,00      0,36      0,00      0,00  
      0,00      69,06  
samate@samate-T450:~$  
  
Usage:  
  pmap [options] PID [PID ...]  
  
Options:  
  -x, --extended          show details  
  -X                      show even more details  
                        WARNING: format changes according to /proc/PID/snaps  
  -XX                    show everything the kernel provides  
  -c, --read-rc           read the default rc  
  -C, --read-rc-from=<file> read the rc from file  
  -n, --create-rc        create new default rc  
  -N, --create-rc-to=<file> create new rc to file  
                        NOTE: pid arguments are not allowed with -n, -N  
  -d, --device           show the device format  
  -q, --quiet            do not display header and footer  
  -p, --show-path        show path in the mapping  
  -A, --range=<low>[,<high>] limit results to the given range  
  
  -h, --help            display this help and exit  
  -V, --version          output version information and exit  
  
For more details see pmap(1).  
samate@samate-T450:~$ ?
```

Ezt nem tudtam futtatni

Ez azt írta hogy nem elég argumentum