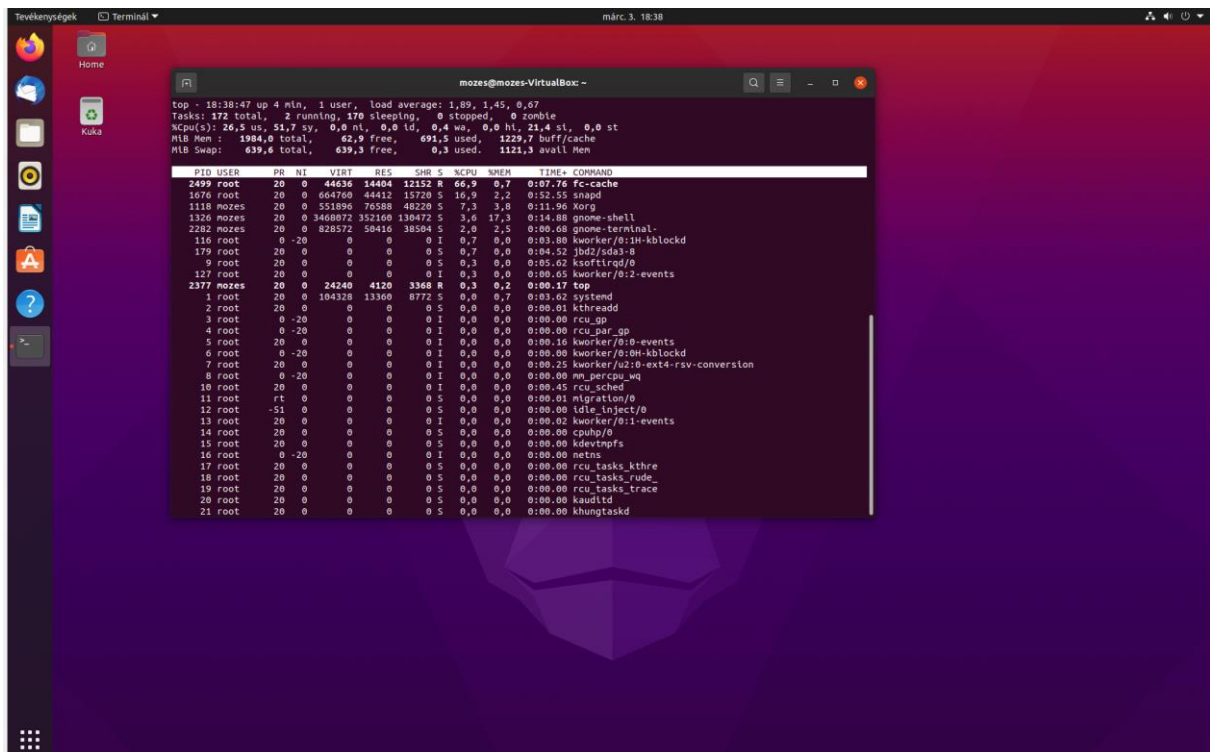


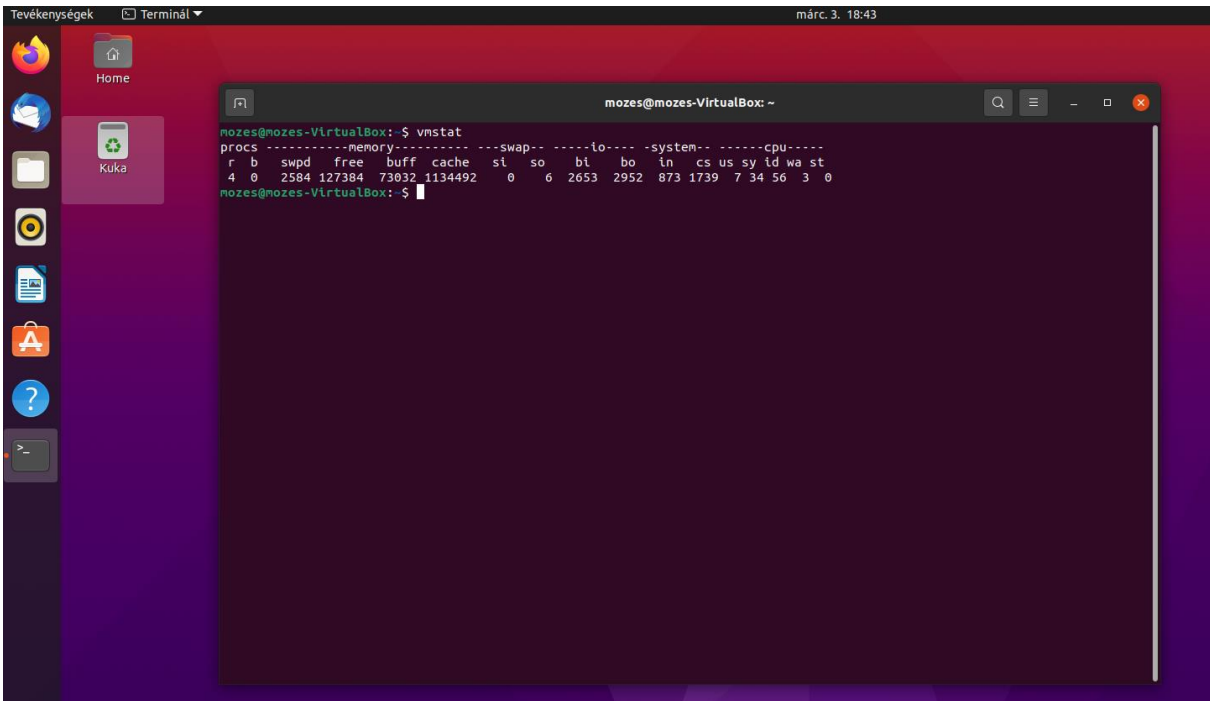
## TOP



```
top - 18:38:47 up 4 min, 1 user, load average: 1.89, 1.45, 0.67
Tasks: 172 total, 2 running, 170 sleeping, 0 stopped, 0 zombie
%Cpu(s): 26.5 us, 51.7 sy, 0.0 ni, 0.0 id, 0.4 wa, 0.0 hi, 21.4 st, 0.0 st
MiB Mem : 1984.0 total, 62.9 free, 691.5 used, 1229.7 buff/cache
MiB Swap: 639.6 total, 639.3 free, 0.3 used, 1121.3 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     time+ COMMAND
 2499 root        20   0 44636 14404 12152 R  66.9   0.7   0:07.76 fc-cache
 1076 root        20   0 664760 44412 15720 S  16.9   2.2   0:52.55 snapd
 1118 mozes       20   0 551890 76588 48220 S   7.3   3.8   0:11.90 xorg
 1326 mozes       20   0 3468872 352100 130472 S   3.6  17.3   0:14.88 gnome-shell
 2282 mozes       20   0 828572 50416 38504 S   2.0   2.5   0:00.08 gnome-terminal
 116 root         0 -20   0      0      0 I   0.7   0.0   0:03.00 kworker/0:1H-kblockd
 179 root        20   0      0      0 S   0.7   0.0   0:04.52 jbd2/sda3-8
 9 root         20   0      0      0 S   0.3   0.0   0:05.62 ksoftirqd/0
 127 root        20   0      0      0 I   0.3   0.0   0:00.65 kworker/0:2-events
 2377 mozes       20   0 24240 4120 3368 R   0.3   0.2   0:00.17 top
 1 root         20   0 104328 13360 8772 S   0.0   0.7   0:03.62 systemd
 2 root         20   0      0      0 S   0.5   0.0   0:00.01 kthreadd
 3 root         0 -20   0      0      0 I   0.0   0.0   0:00.00 rcu_gp
 4 root         0 -20   0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
 5 root         20   0      0      0 I   0.0   0.0   0:00.16 kworker/0:0-events
 6 root         0 -20   0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-kblockd
 7 root         20   0      0      0 I   0.0   0.0   0:00.25 kworker/u2:0-ext4:rsv-conversion
 8 root         0 -20   0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
 10 root        20   0      0      0 I   0.0   0.0   0:00.45 rcu_sched
 11 root        rt    0      0      0 S   0.0   0.0   0:00.01 migration/0
 12 root       -51   0      0      0 S   0.5   0.0   0:00.00 idle_inject/0
 13 root        20   0      0      0 I   0.0   0.0   0:00.02 kworker/0:1-events
 14 root        20   0      0      0 S   0.5   0.0   0:00.00 cpuhp/0
 15 root        20   0      0      0 S   0.5   0.0   0:00.00 kdevtmpfs
 16 root         0 -20   0      0      0 I   0.0   0.0   0:00.00 netns
 17 root        20   0      0      0 S   0.5   0.0   0:00.00 rcu_tasks_kthre
 18 root        20   0      0      0 S   0.5   0.0   0:00.00 rcu_tasks_rude
 19 root        20   0      0      0 S   0.5   0.0   0:00.00 rcu_tasks_trace
 20 root        20   0      0      0 S   0.5   0.0   0:00.00 kauditd
 21 root        20   0      0      0 S   0.5   0.0   0:00.00 khungtaskd
```

## VMSTAT



```
mozes@mozes-VirtualBox: ~$ vmstat
procs -----memory----- --swap-- ----lo---- -system-- -----cpu-----
 r b swpd free buff cache si so bi bo in cs us sy id wa st
 4 0 2584 127384 73032 1134492 0 6 2653 2952 873 1739 7 34 56 3 0
mozes@mozes-VirtualBox: ~$
```

## W

```
mozes@mozes-VirtualBox: ~  
18:44:23 up 10 min, 1 user, load average: 0,02, 0,52, 0,49  
USER      TTY      FROM          LOGIN@      IDLE        JCPU   PCPU   WHAT  
mozes     :0        :0            18:35       ?xdm?       1:49    0.01s  /usr/libexec/gdm-x-session --run-script env GNOME_SHELL_SESSION_  
mozes@mozes-VirtualBox:~$ who  
mozes     :0        2021-03-03 18:35 (:0)  
mozes@mozes-VirtualBox:~$ whoami  
mozes  
mozes@mozes-VirtualBox:~$
```

## uname

```
mozes@mozes-VirtualBox:~$ uname  
Linux  
mozes@mozes-VirtualBox:~$ uname  
Linux  
mozes@mozes-VirtualBox:~$
```

## ÖSSZES PS opció megvizsgálva

```
mozes@mozes-VirtualBox: ~  
-ibus-portal—2*[{ibus-portal}]  
-ibus-x11—2*[{ibus-x11}]  
-pulseaudio—3*[{pulseaudio}]  
-seahorse—3*[{seahorse}]  
-tracker-miner-f—4*[{tracker-miner-f}]  
-xdg-permission—2*[{xdg-permission-}]  
-systemd-journal  
-systemd-logind  
-systemd-resolve  
-systemd-timesyn—{systemd-timesyn}  
-systemd-udev  
-udisksd—4*[{udisksd}]  
-unattended-upgr—{unattended-upgr}  
-upowerd—2*[{upowerd}]  
-whoopsie—2*[{whoopsie}]  
-wpa_supplicant  
mozes@mozes-VirtualBox:~$ ps -p 1286 -o comm= -  
error: garbage option  
  
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).  
mozes@mozes-VirtualBox:~$ ps -p 1286 -o comm=  
dbus-daemon  
mozes@mozes-VirtualBox:~$ ps -auxf | sort -nr -k 3 | head -5  
root      2636  72.3   7.1 325740 144976 ?        Rl   18:50   0:39    \_ /usr/bin/python3 /usr/bin/unattended-upgrade  
root      1676   5.7   1.6 664760 32752 ?        Ssl  18:35   0:54    /usr/lib/snapd/snapd  
mozes     1326   2.2  17.1 3730448 349296 ?        Ssl  18:35   0:22    \_ /usr/bin/gnome-shell  
mozes     1118   2.0   3.6 551216 74016 tty2    Sl+  18:34   0:20    \_ /usr/lib/xorg/Xorg vt2 -displayfd 3 -auth /run/use  
r/1000/gdm/Xauthority -nolisten tcp -background none -noreset -keeptty -novtswitch -verbose 3  
root       9   0.5   0.0   0   0 ?        S    18:34   0:05    \_ [ksoftirqd/0]  
mozes@mozes-VirtualBox:~$
```

FREE

```
mozes@mozes-VirtualBox: ~  
mozes@mozes-VirtualBox:~$ free  
              total        used        free      shared  buff/cache   available  
Mem:           2031620       775384       110732        14308       1145504       1077284  
Swap:           654944         23952        630992  
mozes@mozes-VirtualBox:~$
```

IOSTAT, nem működött

```
mozes@mozes-VirtualBox: ~  
mozes@mozes-VirtualBox:~$ iostat  
„iostat” parancs nem található, de telepíthető így:  
sudo apt install sysstat  
mozes@mozes-VirtualBox:~$
```

SAR, MPSTAT UGYAN AZ A HIBA +IOSTAT is hiba

```
mozes@mozes-VirtualBox: ~  
mozes@mozes-VirtualBox:~$ sar  
„sar” parancs nem található, de telepíthető így:  
sudo apt install sysstat  
mozes@mozes-VirtualBox:~$ sudo apt install sysstat  
[sudo] mozes jelszava:  
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 2636 (unattended-upgr)... 32s  
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 2636 (unattended-upgr)... 34s  
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 2636 (unattended-upgr)... 35s  
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 2636 (unattended-upgr)... 37s  
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 2636 (unattended-upgr)... 106s
```

PMAP

```
mozes@mozes-VirtualBox: ~  
Usage:  
pmap [options] PID [PID ...]  
  
Options:  
-x, --extended          show details  
-X                      show even more details  
                        WARNING: format changes according to /proc/PID/smmaps  
-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).  
mozes@mozes-VirtualBox:~$
```

GTK

Read all

GtkStressTesting

Stress tests

CPU: All methods

30 mins

Workers: Auto

Start

Elapsed

Bogo Ops

BOPSUST

Processor

Processor #0

Name

Intel Core i5-8400

Cores

1

Specification

Intel(R) Core(TM) i5-8400 CPU @ 2.80GHz

Threads

1

Package

Microcode

0xffffffff

Bogomips

5616.01

Family

6 (6h)

Model

158 (9Eh)

Stepping

10 (Ah)

Flags

MMX, SSE(1, 2, 3, 3S, 4.1, 4.2), x86-64

More...

Bugs

Cpu Meltdown, Itlb Multihit, L1Tf, Mds, Spec Store Bypass, Spec

More...

Cache

L1 Data

1 x 32 KiB (32 KiB)

8-way

64 sets

L1 Inst.

1 x 32 KiB (32 KiB)

8-way

64 sets

Level 2

1 x 256 KiB (256 KiB)

4-way

1024 sets

Level 3

1 x 9 MiB (9 MiB)

12-way

12288 sets

Motherboard

Vendor

Oracle Corporation

Vendor

innotek GmbH

Model

VirtualBox

Version

VirtualBox

Revision

1.2

Date

12/01/2006

Memory

(Click "Read all")

Size

Speed

Rank

Type

Type Detail

CPU usage

1

User

Nice

System

IO Wait

IRQ

Soft IRQ

Steal

Guest

Guest Nice

LoadAvg

0.09 (9.0%)

0.24 (24.0%)

0.33 (33.0%)

Memory usage

Total

1.94 GiB

Available

702.18 MiB

Clocks

Core

Current

Min

Max

Processor 0

Core #0

2808 MHz

2808 MHz

2808 MHz

Hardware Monitor

Core

Current

Min

Max

GST v0.7.4

Nem működött a read all része.

Egyébként pedig ugyan úgy a hardverről lehet információt kinyerni, hőfok, órajel, sebeség. Tesztet is lehet végezni.00,