

top - processz aktivitást mutató parancs, valós idejű módban készít jelentést a futó rendszerről:

alen@alen-vm: ~										
File Edit View Search Terminal Help										
top - 15:40:05 up 37 min, 1 user, load average: 1,47, 1,94, 1,39										
Tasks: 156 total, 1 running, 154 sleeping, 0 stopped, 1 zombie										
%Cpu(s): 2,1 us, 0,7 sy, 0,0 ni, 0,0 id, 97,2 wa, 0,0 hi, 0,0 si, 0,0 st										
MiB Mem : 2992,8 total, 84,0 free, 612,3 used, 2296,5 buff/cache										
MiB Swap: 923,3 total, 921,0 free, 2,3 used. 2177,5 avail Mem										
PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+ COMMAND
9671	root	20	0	643828	94660	50256	S	1,3	3,1	0:08.43 Xorg
9003	root	20	0	84552	75524	3016	D	1,0	2,5	0:23.14 dpkg
10289	alen	20	0	568180	68312	40616	S	0,7	2,2	0:01.80 mintmenu
10563	alen	20	0	406896	41844	32336	S	0,7	1,4	0:01.09 mate-terminal
187	root	0	-20	0	0	0	I	0,3	0,0	0:02.87 kworker/0:1H-kblockd
481	message+	20	0	8908	5796	3824	S	0,3	0,2	0:04.18 dbus-daemon
869	root	20	0	298292	2864	2492	S	0,3	0,1	0:00.48 VBoxService
2557	root	20	0	207244	92556	30068	S	0,3	3,0	0:01.90 synaptic
10143	alen	20	0	321288	41160	30928	S	0,3	1,3	0:01.37 marco
10173	alen	20	0	452444	70768	51052	S	0,3	2,3	0:01.94 caja
10576	alen	20	0	14728	4348	3592	R	0,3	0,1	0:00.36 top
1	root	20	0	103308	13044	8644	S	0,0	0,4	0:06.89 systemd
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00 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
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00 kworker/0:0H-kblockd
8	root	20	0	0	0	0	I	0,0	0,0	0:00.33 kworker/u2:0-events_freezable+
9	root	0	-20	0	0	0	I	0,0	0,0	0:00.00 mm_percpu_wq
10	root	20	0	0	0	0	S	0,0	0,0	0:01.85 ksoftirqd/0
11	root	20	0	0	0	0	I	0,0	0,0	0:02.35 rcu_sched
12	root	rt	0	0	0	0	S	0,0	0,0	0:00.01 migration/0
13	root	-51	0	0	0	0	S	0,0	0,0	0:00.00 idle_inject/0
14	root	20	0	0	0	0	S	0,0	0,0	0:00.00 cpuhp/0
15	root	20	0	0	0	0	S	0,0	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	0	S	0,0	0,0	0:00.00 rcu_tasks_kthre
18	root	20	0	0	0	0	S	0,0	0,0	0:00.00 kauditd
19	root	20	0	0	0	0	S	0,0	0,0	0:00.00 khungtaskd
20	root	20	0	0	0	0	S	0,0	0,0	0:00.00 oom_reaper
21	root	0	-20	0	0	0	I	0,0	0,0	0:00.00 writeback

vmstat - [a, m] rendszer aktivitásról, a hardverről és a rendszerről nyújt információkat:

```
alen@alen-vm: ~  
File Edit View Search Terminal Help  
alen@alen-vm:~$ vmstat  
procs -----memory----- ---swap-- -----io----- -system-- -----cpu-----  
r b swpd free buff cache si so bi bo in cs us sy id wa st  
1 1 2316 83676 120300 2232736 0 1 480 1203 487 1394 14 5 42 38 0  
alen@alen-vm:~$
```

w - ki van bejelentkezve a rendszerbe, és éppen mit csinál:

```
alen@alen-vm:~$ w  
15:44:37 up 41 min, 1 user, load average: 1,02, 1,41, 1,30  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
alen tty7 :0 15:36 41:45 9.94s 0.55s mate-session  
alen@alen-vm:~$ w alen  
15:44:43 up 42 min, 1 user, load average: 1,02, 1,40, 1,30  
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT  
alen tty7 :0 15:36 41:51 10.01s 0.55s mate-session  
alen@alen-vm:~$
```

uname – szerver futásának kezdő ideje:

```
alen@alen-vm: ~  
File Edit View Search Terminal Help  
alen@alen-vm:~$ uname  
Linux  
alen@alen-vm:~$ uname  
Linux  
alen@alen-vm:~$
```

ps - aktuális processzekről készít jelentést. Opciói:

ps -A - összes processz kiválasztása:

```
alen@alen-vm: ~  
File Edit View Search Terminal Help  
for more details see ps(1).  
alen@alen-vm:~$ ps -A  
  PID TTY          TIME CMD  
    1 ?           00:00:07 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  
    8 ?           00:00:00 kworker/u2:0-events_unbound  
    9 ?           00:00:00 mm_percpu_wq  
   10 ?           00:00:02 ksoftirqd/0  
   11 ?           00:00:03 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 kdevtmpfs  
   16 ?           00:00:00 netns  
   17 ?           00:00:00 rcu_tasks_kthre  
   18 ?           00:00:00 kauditd  
   19 ?           00:00:00 khungtaskd  
   20 ?           00:00:00 oom_reaper  
   21 ?           00:00:00 writeback  
   22 ?           00:00:00 kcompactd0  
   23 ?           00:00:00 ksmd  
   24 ?           00:00:00 khugepaged  
   70 ?           00:00:00 kintegrityd  
   71 ?           00:00:00 kblockd  
   72 ?           00:00:00 blkcg_punt_bio  
   73 ?           00:00:00 tpm_dev_wq  
   74 ?           00:00:00 ata_sff  
   75 ?           00:00:00 md  
   76 ?           00:00:00 edac-poller  
   77 ?           00:00:00 devfreq_wq  
   78 ?           00:00:00 watchdogd  
   81 ?           00:00:01 kswapd0  
   82 ?           00:00:00 ecryptfs-kthrea  
   84 ?           00:00:00 kthrotld  
   85 ?           00:00:00 acpi_thermal_pm
```

ps -AlF – egyes processzek paramétereit:

```
alén@alén-vm: ~  
File Edit View Search Terminal Help  
21316 pts/2 00:00:00 ps  
alén@alén-vm:~$ ps -AlF  
F S UID PID PPID C PRI NI ADDR SZ WCHAN RSS PSR STIME TTY TIME CMD  
4 S root 1 0 0 80 0 - 25827 - 13136 0 15:02 ? 00:00:10 /lib/systemd/sy  
1 S root 2 0 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kthreadd]  
1 I root 3 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [rcu_gp]  
1 I root 4 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [rcu_par_gp]  
1 I root 6 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kworker/0:0H-k  
1 I root 8 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kworker/u2:0-e  
1 I root 9 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [mm_percpu_wq]  
1 S root 10 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:02 [ksoftirqd/0]  
1 I root 11 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:03 [rcu_sched]  
1 S root 12 2 0 -40 - - 0 - 0 0 15:02 ? 00:00:00 [migration/0]  
5 S root 13 2 0 9 - - 0 - 0 0 15:02 ? 00:00:00 [idle_inject/0]  
1 S root 14 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [cpuhp/0]  
5 S root 15 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kdevtmpfs]  
1 I root 16 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [netns]  
1 S root 17 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [rcu_tasks_kthr  
1 S root 18 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kauditd]  
1 S root 19 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [khungtaskd]  
1 S root 20 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [oom_reaper]  
1 I root 21 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [writeback]  
1 S root 22 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kcompactd0]  
1 S root 23 2 0 85 5 - 0 - 0 0 15:02 ? 00:00:00 [ksmd]  
1 S root 24 2 0 99 19 - 0 - 0 0 15:02 ? 00:00:00 [khugepaged]  
1 I root 70 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kintegrityd]  
1 I root 71 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kblockd]  
1 I root 72 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [blkcg_punt_bio  
1 I root 73 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [tpm_dev_wq]  
1 I root 74 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [ata_sff]  
1 I root 75 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [md]  
1 I root 76 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [edac-poller]  
1 I root 77 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [devfreq_wq]  
1 S root 78 2 0 -40 - - 0 - 0 0 15:02 ? 00:00:00 [watchdogd]  
1 S root 81 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:01 [kswapd0]  
1 S root 82 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [ecryptfs-kthre  
1 I root 84 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kthrotld]
```

ps -AlFH – szálakat mutatja:

```
alén@alén-vm: ~  
File Edit View Search Terminal Help  
21316 pts/2 00:00:00 ps  
alén@alén-vm:~$ ps -AlFH  
F S UID PID PPID C PRI NI ADDR SZ WCHAN RSS PSR STIME TTY TIME CMD  
1 S root 2 0 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kthreadd]  
1 I root 3 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [rcu_gp]  
1 I root 4 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [rcu_par_gp]  
1 I root 6 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kworker/0:0H-kblockd]  
1 I root 8 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kworker/u2:0-events_unbound]  
1 I root 9 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [mm_percpu_wq]  
1 S root 10 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:02 [ksoftirqd/0]  
1 I root 11 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:03 [rcu_sched]  
1 S root 12 2 0 -40 - - 0 - 0 0 15:02 ? 00:00:00 [migration/0]  
5 S root 13 2 0 9 - - 0 - 0 0 15:02 ? 00:00:00 [idle_inject/0]  
1 S root 14 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [cpuhp/0]  
5 S root 15 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kdevtmpfs]  
1 I root 16 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [netns]  
1 S root 17 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [rcu_tasks_kthre]  
1 S root 18 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kauditd]  
1 S root 19 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [khungtaskd]  
1 S root 20 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [oom_reaper]  
1 I root 21 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [writeback]  
1 S root 22 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [kcompactd0]  
1 S root 23 2 0 85 5 - 0 - 0 0 15:02 ? 00:00:00 [ksmd]  
1 S root 24 2 0 99 19 - 0 - 0 0 15:02 ? 00:00:00 [khugepaged]  
1 I root 70 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kintegrityd]  
1 I root 71 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kblockd]  
1 I root 72 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [blkcg_punt_bio]  
1 I root 73 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [tpm_dev_wq]  
1 I root 74 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [ata_sff]  
1 I root 75 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [md]  
1 I root 76 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [edac-poller]  
1 I root 77 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [devfreq_wq]  
1 S root 78 2 0 -40 - - 0 - 0 0 15:02 ? 00:00:00 [watchdogd]  
1 S root 81 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:01 [kswapd0]  
1 S root 82 2 0 80 0 - 0 - 0 0 15:02 ? 00:00:00 [ecryptfs-kthrea]  
1 I root 84 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [kthrotld]  
1 I root 85 2 0 60 -20 - 0 - 0 0 15:02 ? 00:00:00 [acpi_thermal_nml]
```

ps ax – a szerver összes processze:

```
File Edit View Search Terminal Help
5 S ntp 26515 1 0 80 0 - 18665 - 3808 0 15:52 ? 00:00:00 /usr/sbin/ntpd -p /var/run/n
alen@alen-vm:~$ ps ax
  PID TTY          STAT TIME COMMAND
   1 ?        Ss   0:12 /lib/systemd/systemd --system --deserialize 18
   2 ?        S    0:00 [kthreadd]
   3 ?        I<   0:00 [rcu_gp]
   4 ?        I<   0:00 [rcu_par_gp]
   6 ?        I<   0:00 [kworker/0:0H-kblockd]
   8 ?        I    0:00 [kworker/u2:0-events_unbound]
   9 ?        I<   0:00 [mm_percpu_wq]
  10 ?        S    0:02 [ksoftirqd/0]
  11 ?        I    0:03 [rcu_sched]
  12 ?        S    0:00 [migration/0]
  13 ?        S    0:00 [idle_inject/0]
  14 ?        S    0:00 [cpuhp/0]
  15 ?        S    0:00 [kdevtmpfs]
  16 ?        I<   0:00 [netns]
  17 ?        S    0:00 [rcu_tasks_kthre]
  18 ?        S    0:00 [kauditd]
  19 ?        S    0:00 [khungtaskd]
  20 ?        S    0:00 [oom_reaper]
  21 ?        I<   0:00 [writeback]
  22 ?        S    0:00 [kcompactd0]
  23 ?        SN   0:00 [ksmd]
  24 ?        SN   0:00 [khugepaged]
  70 ?        I<   0:00 [kintegrityd]
  71 ?        I<   0:00 [kblockd]
  72 ?        I<   0:00 [blkcg_punt_bio]
  73 ?        I<   0:00 [tpm_dev_wq]
  74 ?        I<   0:00 [ata_sff]
  75 ?        I<   0:00 [md]
  76 ?        I<   0:00 [edac-poller]
  77 ?        I<   0:00 [devfreq_wq]
  78 ?        S    0:00 [watchdogd]
  81 ?        S    0:01 [kswapd0]
  82 ?        S    0:00 [ecryptfs-kthrea]
  84 ?        I<   0:00 [kthrotld]
```

ps axjf:

```
File Edit View Search Terminal Help
38816 pts/2  R+   0:00 ps ax
alen@alen-vm:~$ ps axjf
  PPID  PID  PGID  SID  TTY          TPGID STAT  UID    TIME COMMAND
    0    2    0    0 ?        -1 S      0  0:00 [kthreadd]
    2    3    0    0 ?        -1 I<    0  0:00 \ [rcu_gp]
    2    4    0    0 ?        -1 I<    0  0:00 \ [rcu_par_gp]
    2    6    0    0 ?        -1 I<    0  0:00 \ [kworker/0:0H-kblockd]
    2    8    0    0 ?        -1 I      0  0:00 \ [kworker/u2:0-events_unbound]
    2    9    0    0 ?        -1 I<    0  0:00 \ [mm_percpu_wq]
    2   10    0    0 ?        -1 S      0  0:02 \ [ksoftirqd/0]
    2   11    0    0 ?        -1 I      0  0:03 \ [rcu_sched]
    2   12    0    0 ?        -1 S      0  0:00 \ [migration/0]
    2   13    0    0 ?        -1 S      0  0:00 \ [idle_inject/0]
    2   14    0    0 ?        -1 S      0  0:00 \ [cpuhp/0]
    2   15    0    0 ?        -1 S      0  0:00 \ [kdevtmpfs]
    2   16    0    0 ?        -1 I<    0  0:00 \ [netns]
    2   17    0    0 ?        -1 S      0  0:00 \ [rcu_tasks_kthre]
    2   18    0    0 ?        -1 S      0  0:00 \ [kauditd]
    2   19    0    0 ?        -1 S      0  0:00 \ [khungtaskd]
    2   20    0    0 ?        -1 S      0  0:00 \ [oom_reaper]
    2   21    0    0 ?        -1 I<    0  0:00 \ [writeback]
    2   22    0    0 ?        -1 S      0  0:00 \ [kcompactd0]
    2   23    0    0 ?        -1 S      0  0:00 \ [ksmd]
    2   24    0    0 ?        -1 SN     0  0:00 \ [khugepaged]
    2   70    0    0 ?        -1 I<    0  0:00 \ [kintegrityd]
    2   71    0    0 ?        -1 I<    0  0:00 \ [kblockd]
    2   72    0    0 ?        -1 I<    0  0:00 \ [blkcg_punt_bio]
    2   73    0    0 ?        -1 I<    0  0:00 \ [tpm_dev_wq]
    2   74    0    0 ?        -1 I<    0  0:00 \ [ata_sff]
    2   75    0    0 ?        -1 I<    0  0:00 \ [md]
    2   76    0    0 ?        -1 I<    0  0:00 \ [edac-poller]
    2   77    0    0 ?        -1 I<    0  0:00 \ [devfreq_wq]
    2   78    0    0 ?        -1 S      0  0:00 \ [watchdogd]
    2   81    0    0 ?        -1 S      0  0:01 \ [kswapd0]
    2   82    0    0 ?        -1 S      0  0:00 \ [ecryptfs-kthrea]
    2   84    0    0 ?        -1 I<    0  0:00 \ [kthrotld]
    2   85    0    0 ?        -1 I<    0  0:00 \ [acpi_thermal_pm]
```

pstree:

```
File Edit View Search Terminal Help
1 41393 41393 41393 ? -1 Ssl 0 0:00 /usr/lib/packagekit/packagekitd
alen@alen-vm:~$ pstree
systemd─┬─ModemManager─2*[{ModemManager}]
        │─NetworkManager─2*[{NetworkManager}]
        │─3*[VBoxClient─VBoxClient─2*[{VBoxClient}]]
        │─VBoxClient─VBoxClient─3*[{VBoxClient}]
        │─VBoxService─8*[{VBoxService}]
        │─accounts-daemon─2*[{accounts-daemon}]
        │─acpid
        │─agent─2*[{agent}]
        │─agetty
        │─avahi-daemon─avahi-daemon
        │─cron
        │─cups-browsed─2*[{cups-browsed}]
        │─cupsd
        │─dbus-daemon
        │─gnome-keyring-d─3*[{gnome-keyring-d}]
        │─2*[kerneloops]
        └─lightdm─Xorg─5*[{Xorg}]
                │─lightdm─mate-session─agent─2*[{agent}]
                │─lightdm─mate-session─applet.py
                │─lightdm─mate-session─blueberry-obex─3*[{blueberry-obex}]
                │─lightdm─mate-session─caja─3*[{caja}]
                │─lightdm─mate-session─evolution-alarm─5*[{evolution-alarm}]
                │─lightdm─mate-session─marco─3*[{marco}]
                │─lightdm─mate-session─mate-panel─mate-terminal─bash─pstree
                │─lightdm─mate-session─mate-panel─3*[{mate-panel}]
                │─lightdm─mate-session─mate-power-mana─3*[{mate-power-mana}]
                │─lightdm─mate-session─mate-settings-d─4*[{mate-settings-d}]
                │─lightdm─mate-session─mate-volume-con─2*[{mate-volume-con}]
                │─lightdm─mate-session─nm-applet─3*[{nm-applet}]
                │─lightdm─mate-session─polkit-mate-aut─2*[{polkit-mate-aut}]
                │─lightdm─mate-session─ssh-agent
                │─lightdm─mate-session─3*[{mate-session}]
                └─2*[{lightdm}]
                └─2*[{lightdm}]
```

ps -auxf | sort -nr -k 3 | head -5 – 5 legtöbb CPU memóriát fogyasztó folyamat azonosítása:

```
alen@alen-vm:~$ ps -auxf | sort -nr -k 3 | head -5
root      9671  1.6  3.1 691400 97660 tty7      Ssl+  15:35   0:28  \_ /usr/lib/xorg/Xorg -core :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt7 -novtswitch
alen      10580  0.8  1.3 406820 41904 ?        Sl    15:41   0:10  | \_ mate-terminal
alen      10435  0.4  0.0  0  0 ?        Z    15:37   0:06  | \_ [get apt cache.p] <defunct>
root       1  0.3  0.4 168844 13100 ?        Ss    15:02   0:12  /lib/systemd/systemd --system --deserialize 18
alen      10289  0.3  2.2 568180 68368 ?        Sl    15:37   0:05  \_ mintmenu
```

free - fizikai memória és a swap által használt és szabad terület, ezek összege, pufferek, szabad pufferek száma:

```
alen@alen-vm:~$ free
              total        used         free       shared  buff/cache   available
Mem:        3064652       501876       416932        21056       2145844       2349976
Swap:       945416         3084         942332
```

iostat - CPU statisztika és a számítógép I/O eszközei, a hálózati fájlrendszerek és a partíciókat kijelzi:

```
alen@alen-vm:~$ iostat
Linux 5.4.0-58-generic (alen-vm)      02/28/2021      _x86_64_      (1 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           15,86    0,00    5,70   34,37    0,00   44,07

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
sda                38,20       387,06       1043,72         0,00     1539833     4152201         0
sdd0               0,02         0,06         0,00         0,00         236         0         0

alen@alen-vm:~$
```

mpstat - több processzoros sz.gép esetén használják:

```
alen@alen-vm:~$ mpstat
Linux 5.4.0-58-generic (alen-vm)      02/28/2021      _x86_64_      (1 CPU)

04:12:35 PM  CPU    %usr   %nice    %sys %iowait    %irq   %soft  %steal   %guest   %gnice   %idle
04:12:35 PM  all     15,31    0,00    5,09   32,63    0,00    0,36    0,00    0,00    0,00   46,60
alen@alen-vm:~$
```

pmap - processz memória használatát jelzi:

```
alen@alen-vm:~$ pmap -x 1
1:  /lib/systemd/systemd --system --deserialize 18
alen@alen-vm:~$
```

GTKStress Test program-

Processor és cache ablak (alapvető információkat mutat):

Read all

GtkStressTes

Stress tests

Benchmark

5 mins

Workers: Auto

Stop

Elapsed

0:05:39

Bogo Ops

BOPSUST

Processor

Processor #0

Name

Intel Core i5-4460

Cores

1

Specification

Intel(R) Core(TM) i5-4460 CPU @ 3.20GHz

Threads

1

Package

Microcode

Bogomips

6385.22

Family

6 (6h)

Model

60 (3Ch)

Stepping

3 (3h)

Flags

MMX, SSE(1, 2, 3, 3S, 4.1, 4.2), AVX(1, 2), AES, CLMUL, RdRand, x86-64

More...

Bugs

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

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)

8-way

512 sets

Level 3

1 x 6 MiB (6 MiB)

12-way

8192 sets

CPU és memória ablak (kimutatja a CPU és memória használatot, illetve hogy ki vagy mi használja ezeket):

