

```
kali@kali: ~  
File Actions Edit View Help  
top - 10:32:17 up 18 min, 1 user, load average: 0.04, 0.11, 0.13  
Tasks: 144 total, 1 running, 143 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.2 us, 0.0 sy, 0.0 ni, 99.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
MiB Mem : 1984.8 total, 1036.2 free, 459.8 used, 488.8 buff/cache  
MiB Swap: 975.0 total, 975.0 free, 0.0 used, 1349.5 avail Mem  


| PID | USER | PR | NI  | VIRT   | RES    | SHR   | S | %CPU | %MEM | TIME+   | COMMAND                     |
|-----|------|----|-----|--------|--------|-------|---|------|------|---------|-----------------------------|
| 545 | root | 20 | 0   | 968048 | 114472 | 46184 | S | 0.3  | 5.6  | 0:02.13 | Xorg                        |
| 838 | kali | 20 | 0   | 152876 | 2852   | 2392  | S | 0.3  | 0.1  | 0:01.21 | VBoxClient                  |
| 932 | kali | 20 | 0   | 443336 | 106572 | 39844 | S | 0.3  | 5.2  | 0:00.94 | xfdesktop                   |
| 1   | root | 20 | 0   | 164164 | 10548  | 7800  | S | 0.0  | 0.5  | 0:01.73 | 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-events_highpri |
| 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  | 0:00.00 | rcu_tasks_rude_             |
| 11  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | rcu_tasks_trace             |
| 12  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.01 | ksoftirqd/0                 |
| 13  | root | 20 | 0   | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.05 | rcu_sched                   |
| 14  | root | rt | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | migration/0                 |
| 15  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | cpuhp/0                     |
| 16  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | cpuhp/1                     |
| 17  | root | rt | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.22 | migration/1                 |
| 18  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.02 | ksoftirqd/1                 |
| 19  | root | 20 | 0   | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.03 | kworker/1:0-cgroup_destroy  |
| 20  | root | 0  | -20 | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.00 | kworker/1:0H-events_highpri |
| 23  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | kdevtmpfs                   |
| 24  | root | 0  | -20 | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.00 | netns                       |


```

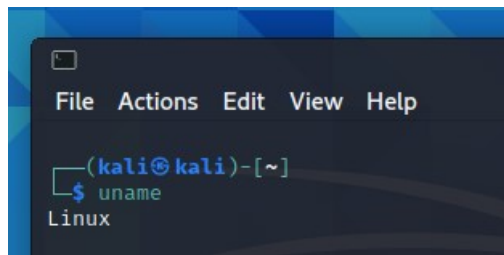
Az összes futó processzt listázza ki.

```
kali@kali: ~  
File Actions Edit View Help  
kali@kali ~  
$ 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  0      0 1062020 113812 387144    0    0   182    18   339  156  0   1 95   4   0  
kali@kali ~  
$
```

A memória használatról, a ki és bemeneti egységekről, a CPU-ról listáz ki információkat

```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ w  
10:33:21 up 19 min, 1 user, load average: 0.01, 0.08, 0.11  
USER      TTY      FROM          LOGIN@      IDLE        JCPU      PCPU      WHAT  
kali      tty7      :0            10:15       19:40       2.51s     0.20s     xfce4-session  
  
(kali@kali)-[~]  
$ w kali  
10:33:30 up 19 min, 1 user, load average: 0.01, 0.08, 0.11  
USER      TTY      FROM          LOGIN@      IDLE        JCPU      PCPU      WHAT  
kali      tty7      :0            10:15       19:49       2.52s     0.20s     xfce4-session  
  
(kali@kali)-[~]  
$ whoami  
kali  
  
(kali@kali)-[~]  
$
```

Megmutatja kik vannak bejelentkezve a rendszerbe, és, hogy mit csinálnak éppen.

A terminal window with a dark background and a blue header bar. The header bar contains a menu with the items 'File', 'Actions', 'Edit', 'View', and 'Help'. Below the menu, the prompt '(kali㉿kali)-[~]' is displayed. The user has entered the command 'uname', and the output 'Linux' is shown on the next line.

```
File Actions Edit View Help
(kali㉿kali)-[~]
$ uname
Linux
```

Megmutatja milyen operációs rendszer.

```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ ps -A  
PID TTY          TIME CMD  
  1 ?           00:00:01 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-events_highpri  
  9 ?           00:00:00 mm_percpu_wq  
 10 ?           00:00:00 rcu_tasks_rude_  
 11 ?           00:00:00 rcu_tasks_trace  
 12 ?           00:00:00 ksoftirqd/0  
 13 ?           00:00:00 rcu_sched  
 14 ?           00:00:00 migration/0  
 15 ?           00:00:00 cpuhp/0  
 16 ?           00:00:00 cpuhp/1  
 17 ?           00:00:00 migration/1  
 18 ?           00:00:00 ksoftirqd/1  
 20 ?           00:00:00 kworker/1:0H-events_highpri  
 23 ?           00:00:00 kdevtmpfs  
 24 ?           00:00:00 netns  
 25 ?           00:00:00 kauditd  
 26 ?           00:00:00 khungtaskd  
 27 ?           00:00:00 oom_reaper  
 28 ?           00:00:00 writeback  
 29 ?           00:00:00 kcompactd0  
 30 ?           00:00:00 ksmd  
 31 ?           00:00:00 khugepaged
```

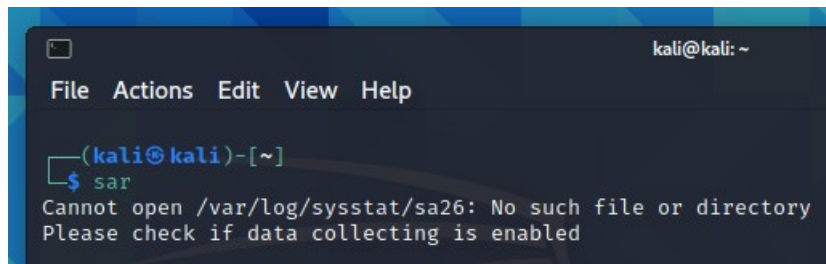
A jelenleg futó processzeket listázza ki.

```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ free  
              total        used        free      shared  buff/cache   available  
Mem:        2032416      468932      1058552       10932       504932     1383716  
Swap:        998396           0       998396
```

A memória használatot mutatja be.

```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ iostat  
Linux 5.10.0-kali3-amd64 (kali)      02/26/2021      _x86_64_      (2 CPU)  
  
avg-cpu:  %user   %nice %system %iowait  %steal   %idle  
           0.44    0.01    0.44    3.34    0.00   95.77  
  
Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd  
sda                15.15        305.91        30.64         0.00     421120     42176         0  
sr0                 0.01          0.00          0.00         0.00         2         0         0
```

A CPU információkat mutatja, valamint a ki és bemeneti egységeket.



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ sar  
Cannot open /var/log/sysstat/sa26: No such file or directory  
Please check if data collecting is enabled
```

Az operációs rendszer futási idejét mutatná, de nem futott le.


```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ mpstat  
Linux 5.10.0-kali3-amd64 (kali) 02/26/2021 _x86_64_ (2 CPU)  
10:37:45 AM CPU %usr %nice %sys %iowait %irq %soft %steal %guest %gnice %idle  
10:37:45 AM all 0.43 0.01 0.31 3.17 0.00 0.12 0.00 0.00 0.00 95.97
```

Processzorok magjait és futását mutatja.

```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ pmap  
  
Usage:  
pmap [options] PID [PID ...]  
  
Options:  
-x, --extended          show details  
-X                      show even more details  
WARNING: format changes according to /proc/PID/smaps  
-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).
```

A processzek memória használatát jelzi.

▼ Processor					
Processor #0					
Name	AMD Ryzen 5 1600X			Cores	6
Specification	AMD Ryzen 5 1600X Six-Core Processor			Threads	12
Package	Socket AM4	Microcode	0x8001137	BogoMips	7185.43
Family	23 (17h)	Model	1 (1h)	Stepping	1 (1h)
Flags	MMX, (+), SSE(1, 2, 3, 3S, 4.1, 4.2, 4A), AVX(1, 2), AES, CLMUL, RdRand, SHA, AMD-V, x86-64				More...
Bugs	Null Seg, Spec Store Bypass, Spectre V1, Spectre V2, Sysret Ss Attrs				More...

Processzorról mutat részletes leírást.

▼ Cache			
L1 Data	6 x 32 KiB (192 KiB)	8-way	64 sets
L1 Inst.	6 x 64 KiB (384 KiB)	4-way	256 sets
Level 2	6 x 512 KiB (3 MiB)	8-way	1024 sets
Level 3	2 x 8 MiB (16 MiB)	16-way	8192 sets

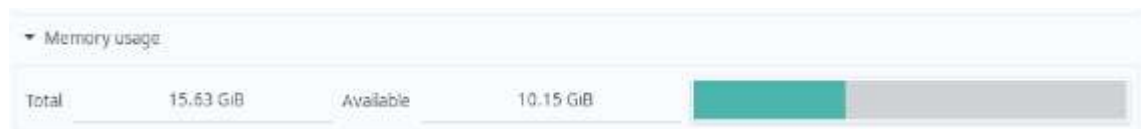
A gyorsítótárról mutat adatokat, pl mennyi tárhely van rajta.

▼ Motherboard			
BIOS			
Vendor	ASUSTeK COMPUTER INC.		
Model	PRIME A320M-K		
Revision	Rev X.0x		
Vendor	American Megatrends Inc.		
Version	4027		
Date	11/04/2018		

Az alaplap adatait listázza ki, és a BIOS felépítését.



A CPU használatát mutatja.



Memória kihasználtságot mutatja.