

top parancs: Megmutatja a gépen jelenleg futó folyamatokat élőben, hasonlóan, mint Windowson a feladatkezelő/folyamatok fülön.

LinuxMint [Fut] - Oracle VM VirtualBox

FájlGépNézetBevitelEszközőkSúgó

petert@petert-VirtualBox: ~

FileEditViewSearchTerminalHelp

top - 14:21:51 up 26 min, 1 user, load average: 0,00, 0,00, 0,13
Tasks: 149 total, 1 running, 148 sleeping, 0 stopped, 0 zombie
%Cpu(s): 4,1 us, 0,0 sy, 0,0 ni, 95,9 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 6086,4 total, 4769,0 free, 615,2 used, 702,2 buff/cache
MiB Swap: 856,4 total, 856,4 free, 0,0 used. 5212,4 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1059	petert	20	0	3337524	208628	129412	S	2,3	3,3	0:27.35	cinnamon
653	root	20	0	656876	109512	64176	S	1,0	1,8	0:03.01	Xorg
1823	petert	20	0	541488	40348	30652	S	1,0	0,6	0:00.57	gnome-terminal-
1838	petert	20	0	14728	4264	3508	R	0,3	0,1	0:00.07	top
1	root	20	0	102100	11504	8348	S	0,0	0,2	0:01.56	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
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	0:00.12	ksoftirqd/0
11	root	20	0	0	0	0	I	0,0	0,0	0:00.22	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
22	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kcompactd0
23	root	25	5	0	0	0	S	0,0	0,0	0:00.00	ksmd
24	root	39	19	0	0	0	S	0,0	0,0	0:00.00	khugepaged
70	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kintegrityd
71	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kblockd
72	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	blkcg_punt_bio
73	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	tpm_dev_wq
74	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	ata_sff
75	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	md
76	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	edac-poller
77	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	devfreq_wq
78	root	rt	0	0	0	0	S	0,0	0,0	0:00.00	watchdogd
81	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kswapd0
82	root	20	0	0	0	0	S	0,0	0,0	0:00.00	ecryptfs-kthrea
84	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kthrotld
85	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	acpi_thermal_pm
86	root	20	0	0	0	0	S	0,0	0,0	0:00.01	scsi_eh_0
87	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	scsi_tmf_0

14:21

14:21
2021. 02. 23.

vmstat parancs: A rendszerről nyújt hasznos információkat, adatokat.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

— □ ×

petert@petert-VirtualBox: ~

File Edit View Search Terminal Help

```
petert@petert-VirtualBox:~$ vmstat -a
procs -----memory----- --swap-- -----io---- -system-- -----cpu-----
 r b swpd free  inact active  si  so    bi   bo   in   cs us sy id wa st
  0  0      0 4882144 408560 796344    0    0   376   62   50  150  5  1 94  0  0
petert@petert-VirtualBox:~$
```



14:22



Right Ctrl

14:22
2021. 02. 23.

petert@petert-VirtualBox: ~

File Edit View Search Terminal Help

vmstat: your kernel does not support slabinfo or your permissions are insufficient

petert@petert-VirtualBox:~\$ sudo vmstat -m

Cache	Num	Total	Size	Pages
ext4_groupinfo_4k	168	168	144	28
btrfs_delayed_node	0	0	312	13
btrfs_ordered_extent	0	0	416	19
btrfs_free_space_bitmap	0	0	12288	2
btrfs_inode	0	0	1168	14
fsverity_info	0	0	248	16
ip6_frags	0	0	184	22
PINGv6	0	0	1216	13
RAWv6	26	26	1216	13
UDPV6	24	24	1344	12
tw_sock_TCPv6	0	0	248	16
request_sock_TCPv6	0	0	304	13
TCPv6	26	26	2368	13
kcopypd_job	0	0	3312	9
dm_uevent	0	0	2632	12
scsi_sense_cache	128	128	128	32
mqueue_inode_cache	8	8	960	8
fuse_request	28	28	144	28
fuse_inode	19	19	832	19
ecryptfs_key_record_cache	0	0	576	14
ecryptfs_inode_cache	0	0	1024	8
ecryptfs_file_cache	0	0	16	256
ecryptfs_auth_tok_list_item	0	0	832	19
fat_inode_cache	22	22	744	11
fat_cache	0	0	40	102
squashfs_inode_cache	0	0	704	11
jbd2_journal_handle	85	85	48	85
jbd2_journal_head	272	272	120	34
jbd2_revoke_table_s	256	256	16	256
ext4_inode_cache	7501	8149	1096	29
ext4_allocation_context	32	32	128	32
ext4_system_zone	102	102	40	102
ext4_io_end	64	64	64	64
ext4_pending_reservation	128	128	32	128
ext4_extent_status	5406	5406	40	102
mbcache	73	73	56	73
userfaultfd_ctx_cache	0	0	192	21
dnotify_struct	0	0	32	128
pid_namespace	0	0	208	19
ip4_frags	0	0	200	20
xfrm_state	0	0	704	11
PING	760	760	1024	8
RAW	16	16	1024	8
UDP	140	140	1152	14



14:23

Right Ctrl

14:23
2021. 02. 23.

w / whoami / who parancs: Bejelentkezett felhasználókat muatja meg. A who / whoami a bejelentkezett felhasználó nevét mutatja meg.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

— □ ×

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ w -  
14:23:52 up 28 min, 1 user, load average: 0,16, 0,05, 0,13  
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU WHAT  
petert@petert-VirtualBox:~$
```



14:24



Right Ctrl

14:24
2021. 02. 23.

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ who  
petert  tty7      2021-02-23 13:55 (:0)  
petert@petert-VirtualBox:~$ whoami  
petert  
petert@petert-VirtualBox:~$
```

ps parancs: A futó folyamatokat mutatja meg, hasznos funkció például, ha rendezzük az erőforrás felhasználás alapján, így megtudjuk mi a leginkább erőforrás igényes.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ 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-kblockd  
9 ?           00:00:00 mm_percpu_wq  
10 ?          00:00:00 ksoftirqd/0  
11 ?          00:00:00 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 ?          00:00:00 kswapd0  
82 ?          00:00:00 ecryptfs-kthrea  
84 ?          00:00:00 kthrotld  
85 ?          00:00:00 acpi_thermal_pm  
86 ?          00:00:00 scsi_eh_0  
87 ?          00:00:00 scsi_tmf_0  
88 ?          00:00:00 scsi_eh_1  
89 ?          00:00:00 scsi_tmf_1  
91 ?          00:00:00 vfio-irqfd-clea  
92 ?          00:00:00 kworker/u2:3-events_power_efficient  
93 ?          00:00:00 ipv6_addrconf  
102 ?         00:00:00 kstrp  
105 ?         00:00:00 kworker/u3:0  
118 ?         00:00:00 charger_manager  
119 ?         00:00:00 kworker/0:1H-kblockd  
121 ?         00:00:00 kworker/0:2-events_power_efficient
```



```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
1876 pts/0 00:00:00 ps  
petert@petert-VirtualBox:~$ 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 13:55 ? 00:00:00 [kthreadd]  
1 I root 3 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [rcu_gp]  
1 I root 4 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [rcu_par_gp]  
1 I root 6 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kworker/0:0H-kblockd]  
1 I root 9 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [mm_percpu_wq]  
1 S root 10 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [ksoftirqd/0]  
1 I root 11 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [rcu_sched]  
1 S root 12 2 0 -40 - - 0 - 0 0 13:55 ? 00:00:00 [migration/0]  
5 S root 13 2 0 9 - - 0 - 0 0 13:55 ? 00:00:00 [idle_inject/0]  
1 S root 14 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [cpuhp/0]  
5 S root 15 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [kdevtmpfs]  
1 I root 16 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [netns]  
1 S root 17 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [rcu_tasks_kthre]  
1 S root 18 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [kauditd]  
1 S root 19 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [khungtaskd]  
1 S root 20 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [oom_reaper]  
1 I root 21 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [writeback]  
1 S root 22 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [kcompactd0]  
1 S root 23 2 0 85 5 - 0 - 0 0 13:55 ? 00:00:00 [ksmd]  
1 S root 24 2 0 99 19 - 0 - 0 0 13:55 ? 00:00:00 [khugepaged]  
1 I root 70 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kintegrityd]  
1 I root 71 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kblockd]  
1 I root 72 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [blkcg_punt_bio]  
1 I root 73 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [tpm_dev_wq]  
1 I root 74 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [ata_sff]  
1 I root 75 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [md]  
1 I root 76 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [edac-poller]  
1 I root 77 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [devfreq_wq]  
1 S root 78 2 0 -40 - - 0 - 0 0 13:55 ? 00:00:00 [watchdogd]  
1 S root 81 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [kswapd0]  
1 S root 82 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [ecryptfs-kthrea]  
1 I root 84 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kthrotld]  
1 I root 85 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [acpi_thermal_pm]  
1 S root 86 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [scsi_eh_0]  
1 I root 87 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [scsi_tmf_0]  
1 S root 88 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [scsi_eh_1]  
1 I root 89 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [scsi_tmf_1]  
1 I root 91 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [vfio-irqfd-clea]  
1 I root 92 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [kworker/u2:3-events_unbound]  
1 I root 93 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [ipv6_addrconf]  
1 I root 102 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kstrp]  
1 I root 105 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kworker/u3:0]  
1 I root 118 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [charger_manager]  
1 I root 119 2 0 60 -20 - 0 - 0 0 13:55 ? 00:00:00 [kworker/0:1H-kblockd]  
1 S root 121 2 0 80 0 - 0 - 0 0 13:55 ? 00:00:00 [kworker/0:0H-kblockd]
```

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ ps -ejH  
PID   PGID   SID   TTY      TIME CMD  
2      0      0 ?      00:00:00 kthreadd  
3      0      0 ?      00:00:00 rcu_gp  
4      0      0 ?      00:00:00 rcu_par_gp  
6      0      0 ?      00:00:00 kworker/0:0H-kblockd  
9      0      0 ?      00:00:00 mm_percpu_wq  
10     0      0 ?      00:00:00 ksoftirqd/0  
11     0      0 ?      00:00:00 rcu_sched  
12     0      0 ?      00:00:00 migration/0  
13     0      0 ?      00:00:00 idle_inject/0  
14     0      0 ?      00:00:00 cpuhp/0  
15     0      0 ?      00:00:00 kdevtmpfs  
16     0      0 ?      00:00:00 netns  
17     0      0 ?      00:00:00 rcu_tasks_kthre  
18     0      0 ?      00:00:00 kauditd  
19     0      0 ?      00:00:00 khungtaskd  
20     0      0 ?      00:00:00 oom_reaper  
21     0      0 ?      00:00:00 writeback  
22     0      0 ?      00:00:00 kcompactd0  
23     0      0 ?      00:00:00 ksmd  
24     0      0 ?      00:00:00 khugepaged  
70     0      0 ?      00:00:00 kintegrityd  
71     0      0 ?      00:00:00 kblockd  
72     0      0 ?      00:00:00 blkcg_punt_bio  
73     0      0 ?      00:00:00 tpm_dev_wq  
74     0      0 ?      00:00:00 ata_sff  
75     0      0 ?      00:00:00 md  
76     0      0 ?      00:00:00 edac-poller  
77     0      0 ?      00:00:00 devfreq_wq  
78     0      0 ?      00:00:00 watchdogd  
81     0      0 ?      00:00:00 kswapd0  
82     0      0 ?      00:00:00 ecryptfs-kthrea  
84     0      0 ?      00:00:00 kthrotld  
85     0      0 ?      00:00:00 acpi_thermal_pm  
86     0      0 ?      00:00:00 scsi_eh_0  
87     0      0 ?      00:00:00 scsi_tmf_0  
88     0      0 ?      00:00:00 scsi_eh_1  
89     0      0 ?      00:00:00 scsi_tmf_1  
91     0      0 ?      00:00:00 vfio-irqfd-clea  
92     0      0 ?      00:00:00 kworker/u2:3-events_power_efficient  
93     0      0 ?      00:00:00 ipv6_addrconf  
102    0      0 ?      00:00:00 kstrp  
105    0      0 ?      00:00:00 kworker/u3:0  
118    0      0 ?      00:00:00 charger_manager  
119    0      0 ?      00:00:00 kworker/0:1H-kblockd  
161    0      0 ?      00:00:00 kworker/0:3-cgroup_destroy  
162    0      0 ?      00:00:00 kworker/0:3-cgroup_destroy
```



```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
1114 760 760 ? 00:00:00 evolution-alarm  
1115 760 760 ? 00:00:00 polkit-gnome-au  
1116 760 760 ? 00:00:00 blueberry-obex-  
1117 760 760 ? 00:00:00 cinnamon-killer  
1193 760 760 ? 00:00:00 cinnamon-screen  
1283 760 760 ? 00:00:00 applet.py  
656 656 656 tty1 00:00:00 agetty  
750 750 750 ? 00:00:00 systemd  
751 750 750 ? 00:00:00 (sd-pam)  
759 759 759 ? 00:00:01 pulseaudio  
782 782 782 ? 00:00:00 dbus-daemon  
851 851 851 ? 00:00:00 gvfsd  
1243 851 851 ? 00:00:00 gvfsd-trash  
856 851 851 ? 00:00:00 gvfsd-fuse  
858 858 858 ? 00:00:00 at-spi-bus-laun  
868 858 858 ? 00:00:00 dbus-daemon  
871 858 858 ? 00:00:00 at-spi2-registr  
926 782 782 ? 00:00:00 dconf-service  
943 943 943 ? 00:00:00 gvfs-udisks2-vo  
989 989 989 ? 00:00:00 gvfs-afc-volume  
997 997 997 ? 00:00:00 gvfs-mtp-volume  
1005 1005 1005 ? 00:00:00 gvfs-gphoto2-vo  
1016 1016 1016 ? 00:00:00 gvfs-goa-volume  
1022 782 782 ? 00:00:00 goa-daemon  
1037 782 782 ? 00:00:00 goa-identity-se  
1144 1144 1144 ? 00:00:00 evolution-sourc  
1158 1158 1158 ? 00:00:00 obexd  
1162 1162 1162 ? 00:00:00 evolution-calen  
1177 1177 1177 ? 00:00:00 evolution-addre  
1256 1256 1256 ? 00:00:00 gvfsd-metadata  
1823 1823 1823 ? 00:00:02 gnome-terminal-  
1831 1831 1831 pts/0 00:00:00 bash  
1885 1885 1831 pts/0 00:00:00 ps  
775 775 775 ? 00:00:00 rtkit-daemon  
878 760 760 ? 00:00:00 gnome-keyring-d  
965 965 965 ? 00:00:00 colord  
1003 1003 1003 ? 00:00:00 upowerd  
1011 760 760 ? 00:00:00 csd-printer  
1265 760 760 ? 00:00:00 mintUpdate  
1285 760 760 ? 00:00:00 mintreport-tray  
petert@petert-VirtualBox:~$ ps -auxf | sort -nr -k 3 | head -5  
petert 1059 3.8 3.4 3341456 213604 ? Rl 13:55 1:13 | \_ cinnamon --replace  
petert 1823 0.7 0.6 541488 40448 ? Ssl 14:21 0:02 \_ /usr/libexec/gnome-terminal-server  
root 653 0.3 1.7 656876 109512 tty7 Ssl+ 13:55 0:06 \_ /usr/lib/xorg/Xorg -core :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt7 -novtswitch  
USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND  
systemd+ 435 0.0 0.1 90552 6388 ? Ssl 13:55 0:00 /lib/systemd/systemd-timesyncd  
petert@petert-VirtualBox:~$
```

free parancs: Szabad helyet mutatja meg, a memóriában, és a swap területen.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ free  
              total        used        free      shared  buff/cache   available  
Mem:        6232480       634356       4875376        33152        722748       5332928  
Swap:        876944           0        876944  
petert@petert-VirtualBox:~$
```

iostat parancs: A CPU kihasználtságról nyújt adatokat, valamint a tárolók írás/olvasás információit.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ iostat  
Linux 5.4.0-65-generic (petert-VirtualBox)      02/23/2021      _x86_64_      (1 CPU)  
  
avg-cpu:  %user   %nice %system %iowait  %steal   %idle  
           6,97    0,00    0,81    0,08    0,00   92,13  
  
Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd  
sda                8,76       320,71       59,26         0,00     654395     120921         0  
  
petert@petert-VirtualBox:~$
```



sar parancs: Ha engedélyezve van az adatgyűjtés, akkor aktivitási adatokat jelenít meg.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

— □ ×

petert@petert-VirtualBox: ~

File Edit View Search Terminal Help

```
petert@petert-VirtualBox:~$ sar
Cannot open /var/log/sysstat/sa23: No such file or directory
Please check if data collecting is enabled
petert@petert-VirtualBox:~$
```



14:29



Right Ctrl

14:29
2021. 02. 23.

mpstat parancs: A processzor kihasználtságáról mutat adatokat.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Súgó

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ mpstat  
Linux 5.4.0-65-generic (petert-VirtualBox) 02/23/2021 _x86_64_ (1 CPU)  
02:30:00 PM CPU %usr %nice %sys %iowait %irq %soft %steal %guest %gnice %idle  
02:30:00 PM all 7,15 0,00 0,78 0,08 0,00 0,02 0,00 0,00 0,00 91,97  
petert@petert-VirtualBox:~$
```



pmap parancs: Egy bizonyos processzről nyújt adatokat például a processz sorszám alapján.

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Fájl Gép Nézet Bevitel Eszközök Súgó

```
petert@petert-VirtualBox: ~  
File Edit View Search Terminal Help  
petert@petert-VirtualBox:~$ pmap --extended 4  
4: [rcu_par_gp]  
Address Kbytes RSS Dirty Mode Mapping  
-----  
total kB 0 0 0  
petert@petert-VirtualBox:~$
```



GtkStressTest program: Processzor terheléssel lehet rendszerstabilitást ellőnirzni a programmal, valamint diagnosztika szempontjából nyújt hasznos információkat.

LinuxMint [Fut] - Oracle VM VirtualBox

Fájl Gép Nézet Bevitel Eszközök Sűgő

GtkStressTesting

[Read all](#)

Stress tests

CPU: All methods 30 mins Workers: Auto [Start](#)

Elapsed Bogo Ops BOPSUST

▼ Processor

Processor #0 ▶

Name Intel Core i7-6700HQ Cores 1

Specification Intel(R) Core(TM) i7-6700HQ CPU @ 2.60GHz Threads 1

Package Microcode Bogomips 5183.98

Family 6 (6h) Model 94 (5Eh) 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 V1, More...

▼ Cache

Cache	Size	Way	Sets
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 6 MiB (6 MiB)	12-way	8192 sets

▼ Motherboard

Vendor Oracle Corporation

Model VirtualBox

Revision 1.2

BIOS

Vendor innotek GmbH

Version VirtualBox

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 3.03 (303.0%) 2.03 (203.0%) 0.97 (97.0%)

▼ Memory usage

Total 5.94 GiB Available 4.86 GiB

Clocks

Core	Current	Min	Max
▼ Processor 0			
Core #0	2592 MHz	2592 MHz	2592 MHz

Hardware Monitor

Core	Current	Min	Max
▼ BAT0-acpi-0			
⚡ Voltages			
in0	10.000 V	10.000 V	10.000 V

GST v0.7.4

14:39 2021. 02. 23.