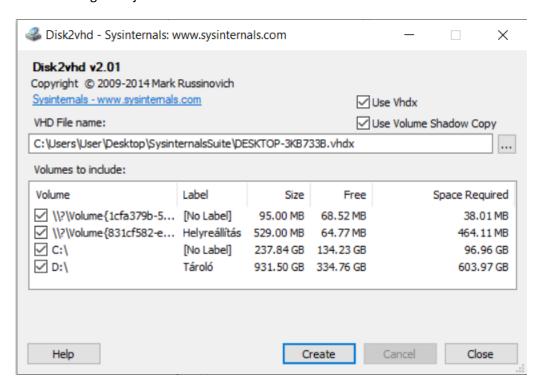
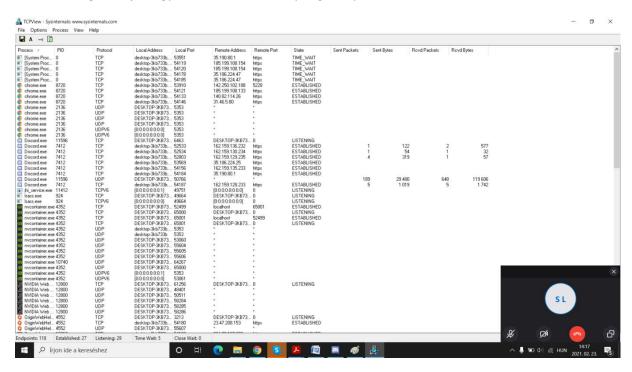
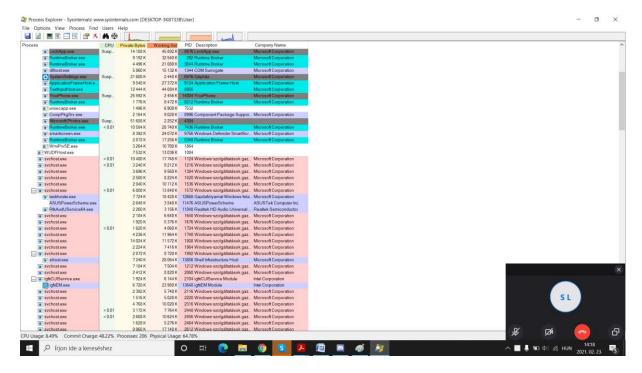
Disk2vhd megmutatja a hátér tár felosztását



TCPView megmutatja hogy mekkora adatmennyiséget kap és küld át

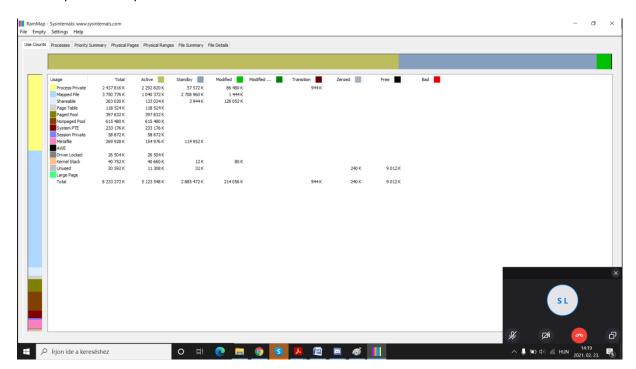


Process Explorer, Process Monitor, AutoRuns processzor állapotát nézi

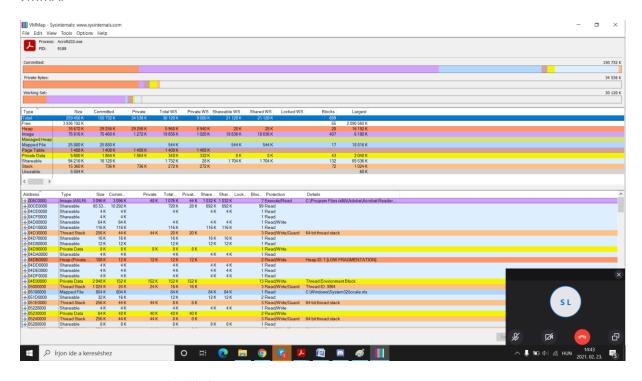


LogonSession kiírja a session logot

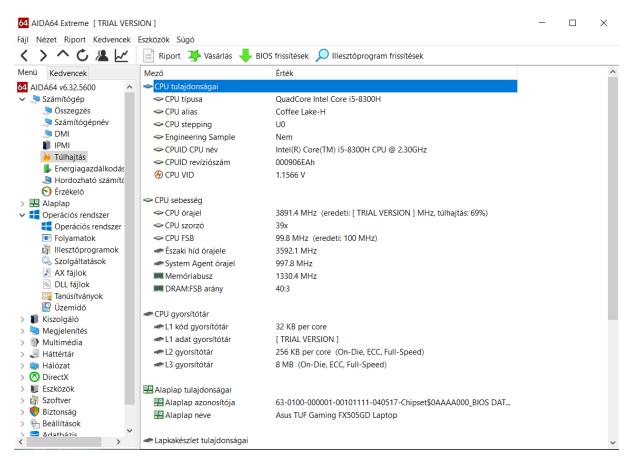
RAMMap a ram állapotát nézi



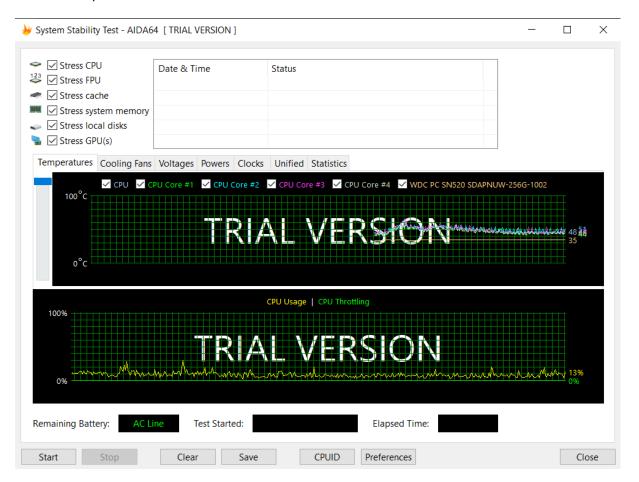
VMMAP



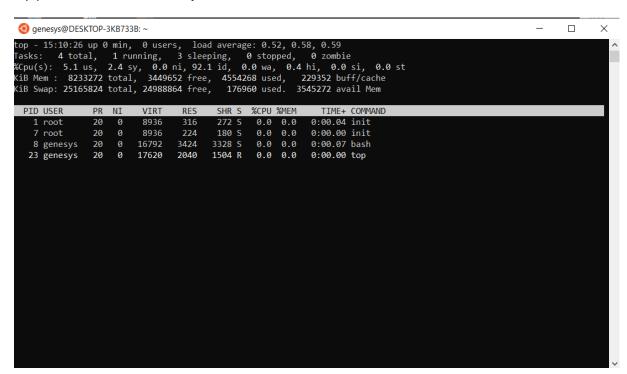
AIDA64 megmutatja a számítógép adatait



CPU GPU állapotát nézi



top processz aktivitását mutatja



vmstat -a-m

```
genesys@DESKTOP-3KB733B: ~
See "man sudo_root" for details.
 enesys@DESKTOP-3KB733B:~$ sudo vmstat -a-m
genesys@DESKTOT JRD.
[sudo] password for genesys:
vmstat: invalid option --
Usage:
vmstat [options] [delay [count]]
                            active/inactive memory
 -f, --forks
                            number of forks since boot
 -m, --slabs
                            slabinfo
                         do not redisplay header
 -n, --one-header
                            event counter statistics
 -d, --disk
-D, --disk-sum
 -D, --disk-sum summarize disk statistics
-p, --partition <dev> partition specific statistics
-S, --unit <char> define display unit
-w, --wide wide summarize of statistics
 -w, --wide
                            wide output
 -t, --timestamp
                            show timestamp
                display this help and exit
 -V, --version output version information and exit
For more details see vmstat(8).
```

w felhasználó név

megmutatja hogy ki van bejelentkezve a rendszerbe

uname

ps – A kiválasztja az össze processzt

free megmutatja a memória és a swap által használt/ szabad területet

```
X
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
genesys@DESKTOP-3KB733B:~$ vmstat - [a, m]
vmstat: failed to parse argument: '-'
 genesys@DESKTOP-3KB733B:~$ who
genesys@DESKTOP-3KB733B:~$ w USER
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT genesys@DESKTOP-3KB733B:~$ uname
 inux
 enesys@DESKTOP-3KB733B:~$
 enesys@DESKTOP-3KB733B:~$ ps -A
                     TIME CMD
                 00:00:00 init
   25 tty1
                00:00:00 init
              00:00:00 bash
   26 tty1
 45 tty1 00:00:00 ps
enesys@DESKTOP-3KB733B:~$ free
             total used
8233272 4568632
25165824 174736
                                                           shared buff/cache
                                                                                    available
                                           3435288
                                                            17720
                                                                         229352
                                                                                       3530908
            25165824
                                          24991088
 enesys@DESKTOP-3KB733B:~$
```

sar aktivitási adatok jelzésé és összegyűjtése

```
root@DESKTOP-3KB733B: ~
    ggested packages
  lm-sensors isag
 The following NEW packages will be installed:
libsensors4 sysstat
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 323 kB of archives.
After this operation, 1305 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsensors4 amd64 1:3.4.0-4 [28.8 kB]
Get:2 http://archive.ubuntu.com/ubuntu bionic/main amd64 sysstat amd64 11.6.1-1 [295 kB]
 etched 323 kB in 1s (613 kB/s)
  reconfiguring packages ...
 Selecting previously unselected package libsensors4:amd64.
(Reading database ... 28645 files and directories currently installed.)
 Preparing to unpack .../libsensors4_1%3a3.4.0-4_amd64.deb ..
Unpacking libsensors4:amd64 (1:3.4.0-4) ..
Unpacking fibsensors4:amdo4 (1:3.4.0-4) ...

Selecting previously unselected package sysstat.

Preparing to unpack .../sysstat_11.6.1-1_amd64.deb ...

Unpacking sysstat (11.6.1-1) ...

Processing triggers for ureadahead (0.100.0-21) ...

Processing triggers for libc-bin (2.27-3ubuntu1) ...

Processing triggers for systemd (237-3ubuntu10.21) ...

Setting up libsensors4:amd64 (1:3.4.0-4) ...
 Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
 Setting up sysstat (11.6.1-1) .
update-alternatives: using /usr/bin/sar.sysstat to provide /usr/bin/sar (sar) in auto mode
Processing triggers for libc-bin (2.27-3ubuntu1) ...
 oot@DESKTOP-3KB733B:~# sar
 inux 4.4.0-19041-Microsoft (DESKTOP-3KB733B) 02/28/21
                                                                                                    _x86_64_
                                                                                                                             (8 CPU)
   ot@DESKTOP-3KR733R·~#
```

iostat CPU statisztika és a számítógép I/O eszközei

```
O root@DESKTOP-3KB733B: ~
                                                                                                                                                              X
      following NEW packages will be installed:
  libsensors4 sysstat
 Dupgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Heed to get 323 kB of archives.
After this operation, 1305 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsensors4 amd64 1:3.4.0-4 [28.8 kB]
Get:2 http://archive.ubuntu.com/ubuntu bionic/main amd64 sysstat amd64 11.6.1-1 [295 kB]
Fetched 323 kB in 1s (613 kB/s)
 Preconfiguring packages ...
Selecting previously unselected package libsensors4:amd64.
(Reading database ... 28645 files and directories currently installed.)
Preparing to unpack .../libsensors4_1%3a3.4.0-4_amd64.deb ...
Prepairing to unpack .../IIDsenSUrS4_183a3.4.0-4_amu04.0
Unpacking libsensors4:amd64 (1:3.4.0-4) ...
Selecting previously unselected package sysstat.
Preparing to unpack .../sysstat_11.6.1-1_amd64.deb ...
Unpacking sysstat (11.6.1-1) ...
 Processing triggers for ureadahead (0.100.0-21) ...
 Processing triggers for libc-bin (2.27-3ubuntu1)
Processing triggers for systemd (237-3ubuntu10.21) ...
Setting up libsensors4:amd64 (1:3.4.0-4) ...
 Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
 Setting up sysstat (11.6.1-1) ...
 pdate-alternatives: using /usr/bin/sar.sysstat to provide /usr/bin/sar (sar) in auto mode
 Processing triggers for libc-bin (2.27-3ubuntu1) ..
 oot@DESKTOP-3KB733B:~# sar
Linux 4.4.0-19041-Microsoft (DESKTOP-3KB733B) 02/28/21
                                                                                                                 (8 CPU)
                                                                                           x86 64
 oot@DESKTOP-3KB733B:~# iostat
 Cannot find disk data
  oot@DESKTOP-3KB733B:~#
```

mpstat több processzoros sz.gép esetén használják

```
Toot@DESKTOP-3KB733B: ~
                                                                                                                                             \times
 Reading database ... 28645 files and directories currently installed.)
 Preparing to unpack .../libsensors4_1%3a3.4.0-4_amd64.deb ...
 Unpacking libsensors4:amd64 (1:3.4.0-4) ...
 Selecting previously unselected package sysstat.
Preparing to unpack .../sysstat_11.6.1-1_amd64.deb ...
Unpacking sysstat (11.6.1-1) ...
 Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Processing triggers for systemd (237-3ubuntu10.21) ...
Setting up libsensors4:amd64 (1:3.4.0-4) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...

Setting up sysstat (11.6.1-1) ...

update-alternatives: using /usr/bin/sar.sysstat to provide /usr/bin/sar (sar) in auto mode

Processing triggers for libc-bin (2.27-3ubuntu1) ...

root@DESKTOP-3KB733B:~# sar
Linux 4.4.0-19041-Microsoft (DESKTOP-3KB733B) 02/28/21
                                                                                x86 64
                                                                                                     (8 CPU)
 oot@DESKTOP-3KB733B:~# iostat
 Cannot find disk data
root@DESKTOP-3KB733B:~# pmstat
 Command 'pmstat' not found, but can be installed with:
apt install pcp
 oot@DESKTOP-3KB733B:~# mpstat
Linux 4.4.0-19041-Microsoft (DESKTOP-3KB733B) 02/28/21
                                                                                 _x86_64_
                                                                                                     (8 CPU)
17:54:28
                CPU
                        %usr %nice
                                             %sys %iowait
                                                                 %irq %soft %steal %guest %gnice
                                                                                                                   %idle
17:54:28
root@DESKTOP-3KB733B:~#
```

pmap processz memória használatát jelzi

```
O root@DESKTOP-3KB733B: ~
                                                                                                                               П
                                                                                                                                      X
                                do not display header and footer
     --show-path
                                show path in the mapping
    --range=<low>[,<high>] limit results to the given range
                display this help and exit
 -V, --version output version information and exit
For more details see pmap(1).
root@DESKTOP-3KB733B:~# ls proc
ls: cannot access 'proc': No such file or directory
oot@DESKTOP-3KB733B:~# /proc
-bash: /proc: Is a directory
root@DESKTOP-3KB733B:~# ls /proc
473 7 893 bus cmdline filesystems loadavg mounts self sys uptime version_signature
33 474 8 92 cgroups cpuinfo interrupts meminfo net stat tty version
oot@DESKTOP-3KB733B:~# pmap 1
l: /init
                      144K r---- init
00000000000224000
00000000000225000
                      440K r-x-- init
0000000000293000
                       24K rw--- init
0000000000294000
                       24K rw---
000000000029a000
                                     anon
000000000091e000
                       12K rw---
                                       anon
00007f45dddc0000
                                       anon
0007f45dddc1000
                       84K rw---
                                       anon
0007ffff4428000
                    8192K rw---
                                     [ anon ]
0007ffff50a3000
                        4K r-x--
                     8936K
 ot@DESKTOP-3KB733B:~#
```