

Operációs rendszerek BSc

3.gyak.

2022. 02. 21.

Készítette:

Szabó Alen Bsc

Progterv. info.

MX6WLR

Miskolc, 2021

1. Jegyzékszerkezet létrehozása

```
alén@alén-VirtualBox: ~/mx6wlr/land
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

alén@alén-VirtualBox:~$ mkdir mx6wlr
alén@alén-VirtualBox:~$ cd mx6wlr
alén@alén-VirtualBox:~/mx6wlr$ mkdir bush
alén@alén-VirtualBox:~/mx6wlr$ mkdir tree
alén@alén-VirtualBox:~/mx6wlr$ mkdir land
alén@alén-VirtualBox:~/mx6wlr$ cd bush
alén@alén-VirtualBox:~/mx6wlr/bush$ mkdir banan
alén@alén-VirtualBox:~/mx6wlr/bush$ mkdir mogyoro
alén@alén-VirtualBox:~/mx6wlr/bush$ mkdir barack
alén@alén-VirtualBox:~/mx6wlr/bush$ cd
alén@alén-VirtualBox:~$ cd mx6wlr
alén@alén-VirtualBox:~/mx6wlr$ cd tree
alén@alén-VirtualBox:~/mx6wlr/tree$ mkdir korte
alén@alén-VirtualBox:~/mx6wlr/tree$ cd..
cd..: command not found
alén@alén-VirtualBox:~/mx6wlr/tree$ cd mx6wlr
bash: cd: mx6wlr: No such file or directory
alén@alén-VirtualBox:~/mx6wlr/tree$ cd
alén@alén-VirtualBox:~$ cd mx6wlr
alén@alén-VirtualBox:~/mx6wlr$ cd land
alén@alén-VirtualBox:~/mx6wlr/land$ mkdir szeder
alén@alén-VirtualBox:~/mx6wlr/land$ mkdir kokusz
alén@alén-VirtualBox:~/mx6wlr/land$
```

és listázása:

```
alén@alén-VirtualBox:~$ tree mx6wlr
mx6wlr
├── bush
│   ├── banan
│   ├── barack
│   └── mogyoro
├── land
│   ├── kokusz
│   └── szeder
└── tree
    └── korte

9 directories, 0 files
alén@alén-VirtualBox:~$
```

2. Mappák másolása:

```
alén@alén-VirtualBox:~$ cp -r ~/mx6wlr/land/szeder . ~/mx6wlr/tree
cp: cannot copy a directory, '.', into itself, '/home/alén/mx6wlr/tree/.'
alén@alén-VirtualBox:~$ cp -r ~/mx6wlr/bush/banan . ~/mx6wlr/tree
cp: will not create hard link '/home/alén/mx6wlr/tree/./mx6wlr/bush/banan' to di
rectory '/home/alén/mx6wlr/tree/banan'
cp: cannot copy a directory, '.', into itself, '/home/alén/mx6wlr/tree/.'
alén@alén-VirtualBox:~$
```

3. Mappák áthelyezése:

```
alén@alén-VirtualBox: ~/mx6wlr
File Edit View Search Terminal Help

├── szeder
└── tree
    ├── banan
    ├── barack
    ├── korte
    └── szeder

11 directories, 0 files
alén@alén-VirtualBox:~/mx6wlr$ mv ~/mx6wlr/bush/banan ~/mx6wlr/tree
alén@alén-VirtualBox:~/mx6wlr$ tree

.
├── bush
│   └── mogyoro
├── land
│   ├── kokusz
│   └── szeder
└── tree
    ├── banan
    ├── barack
    ├── korte
    └── szeder

10 directories, 0 files
alén@alén-VirtualBox:~/mx6wlr$
```

4. Land törlése:

```
alén@alén-VirtualBox:~/mx6wlr$ rm -r ~/mx6wlr/land
alén@alén-VirtualBox:~/mx6wlr$ tree

.
├── bush
│   ├── banan
│   └── mogyoro
└── tree
    ├── barack
    ├── korte
    └── szeder

7 directories, 0 files
alén@alén-VirtualBox:~/mx6wlr$
```

4/b. Szöveges file létrehozása:

```
alen@alen-VirtualBox:~/mx6wlr$ tree
```

```
.
├── bush
│   ├── banan
│   │   └── description
│   └── mogyoro
└── tree
    ├── barack
    ├── korte
    ├── listing
    └── szeder
```

```
7 directories, 2 files
```

```
alen@alen-VirtualBox:~/mx6wlr$
```

5.Írás a fájllokba:

```
alen@alen-VirtualBox:~/mx6wlr/bush/banan$ cat > description
```

```
a malna szep
a malna piros
a malna finom
```

```
alen@alen-VirtualBox:~/mx6wlr/bush/banan$ description
```

```
description: command not found
```

```
alen@alen-VirtualBox:~/mx6wlr/bush/banan$
```

```
alen@alen-VirtualBox:~/mx6wlr/tree$ cat > listing
```

```
barack
alma
kotre
banan
ananasz
```

```
alen@alen-VirtualBox:~/mx6wlr/tree$
```

6.Listázás:

```
alen@alen-VirtualBox:~/mx6wlr$ tree
```

```
.
├── bush
│   ├── banan
│   │   └── description
│   └── mogyoro
└── tree
    ├── barack
    ├── korte
    ├── listing
    └── szeder
```

```
7 directories, 2 files
```

```
alen@alen-VirtualBox:~/mx6wlr$
```

7. Fájlok keresés:

```
alen@alen-VirtualBox:~$ find . -type f -name "?e*"
./config/nemo/desktop-metadata
./config/caja/desktop-metadata
./config/hexchat/servlist.conf
./config/hexchat/hexchat.conf
./cinnamon/configs/network@cinnamon.org/network@cinnamon.org.json
./mx6wlr/tree/.config/nemo/desktop-metadata
./mx6wlr/tree/.config/caja/desktop-metadata
./mx6wlr/tree/.config/hexchat/servlist.conf
./mx6wlr/tree/.config/hexchat/hexchat.conf
./mx6wlr/tree/.local/share/Trash/info/Templates.trashinfo
./mx6wlr/tree/.local/share/Trash/info/Desktop.trashinfo
./mx6wlr/bush/banan/description
./local/share/recently-used.xbel
./local/share/Trash/info/Desktop.2.trashinfo
./local/share/Trash/info/Templates.2.trashinfo
./local/share/Trash/info/Templates.trashinfo
./local/share/Trash/info/Desktop.trashinfo
```

8. Tegyük olvashatóvá a listing fájlt:

```
alen@alen-VirtualBox:~$ sudo chmod -R a+rwX ~/mx6wlr/tree/listing
alen@alen-VirtualBox:~$
```

9. Neptunkod mérete:

```
alen@alen-VirtualBox:~$ sudo du -sh ~/mx6wlr
41M    /home/alen/mx6wlr
alen@alen-VirtualBox:~$
```

10. Listing ABC sorrendben:

```
alen@alen-VirtualBox:~/mx6wlr/tree$ sort listing
alma
ananasz
banan
barack
kotre
alen@alen-VirtualBox:~/mx6wlr/tree$
```

11. Description szavainak a száma:

```

alen@alen-VirtualBox:~/mx6wlr/bush/banan$ wc description
 3  9 41 description
alen@alen-VirtualBox:~/mx6wlr/bush/banan$ wc -w description
9 description
alen@alen-VirtualBox:~/mx6wlr/bush/banan$

```

B.GTKStress Test:

1.Ablak Benchmark,megmutatja a specifikációkat:

Stress tests

CPU: All methods 1 min Workers: Auto ☒ Start

Elapsed 0:01:00.017 Bogo Ops 35451 BOPSUST 154.88

▼ Processor

Processor #0 ▶

Name	AMD Ryzen 5 3500U with Radeon Vega Mobile Gfx			Cores	4
Specification	AMD Ryzen 5 3500U with Radeon Vega Mobile Gfx			Threads	4
Package	Microcode	0x6000626		Bogomips	4200
Family	23 (17h)	Model	24 (18h)	Stepping	1 (1h)
Flags	MMX, (+), SSE(1, 2, 3, 3S, 4.1, 4.2, 4A), AVX(1, 2), AES, CLMUL, RdRand, x86-64			More...	
Bugs	Fxsave Leak, Null Seg, Spec Store Bypass, Spectre V1, Spectre V2, Sysret Ss Attrs			More...	

▼ Cache

L1 Data	4 x 32 KiB (128 KiB)	16-way	32 sets
L1 Inst.	4 x 64 KiB (256 KiB)	4-way	256 sets
Level 2	4 x 512 KiB (2 MiB)	8-way	1024 sets
Level 3	4 x 4 MiB (16 MiB)	16-way	4096 sets

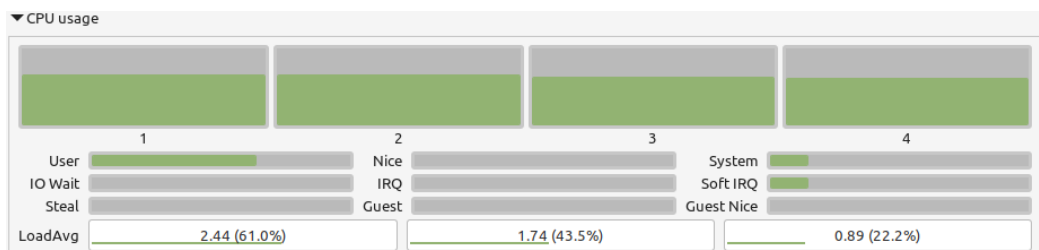
2.Ablak Alaplap és Memória részletei:

▼ Motherboard

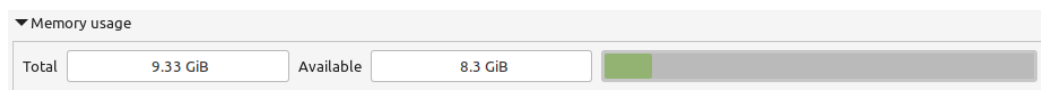
Vendor	Oracle Corporation	Vendor	innotek GmbH
Model	VirtualBox	Version	VirtualBox
Revision	1.2	Date	12/01/2006

BIOS

3.Ablak processzor kihasználtság:



4.Ablak memória kihasználtság:



5.Ablak Hardware hőmérsékletek:

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