

# **Operációs rendszerek BSc**

**1. Gyak.**

**2022. 02. 15.**

**Készítette:**

István Miklós Bsc  
Mérnökinformatikus  
VN7XCW

**Miskolc, 2022**

## 1. feladat

```
C:\Users\istva\VN7XCW>dir *e* /s
Volume in drive C has no label.
Volume Serial Number is 5273-2E9B

Directory of C:\Users\istva\VN7XCW\bokor\banan

2022. 02. 21.  23:47                46 leiras.txt
                1 File(s)                46 bytes

Directory of C:\Users\istva\VN7XCW\fa

2022. 02. 21.  23:48                78 felsorolas.txt
2022. 02. 14.  12:56      <DIR>        korte
2022. 02. 14.  12:57      <DIR>        szeder
                1 File(s)                78 bytes

Total Files Listed:
                2 File(s)                124 bytes
                2 Dir(s)  252 067 446 784 bytes free

C:\Users\istva\VN7XCW>
```

```
Directory of C:\Users\istva\VN7XCW\fa\kokusz

2022. 02. 14.  12:56      <DIR>        .
2022. 02. 21.  23:46      <DIR>        ..
                0 File(s)                0 bytes

Directory of C:\Users\istva\VN7XCW\fa\korte

2022. 02. 14.  12:56      <DIR>        .
2022. 02. 21.  23:46      <DIR>        ..
                0 File(s)                0 bytes

Directory of C:\Users\istva\VN7XCW\fa\szeder

2022. 02. 14.  12:57      <DIR>        .
2022. 02. 21.  23:46      <DIR>        ..
                0 File(s)                0 bytes

Total Files Listed:
                2 File(s)                124 bytes
                29 Dir(s)  252 250 333 184 bytes free

C:\Users\istva\VN7XCW>
```

```

Directory of C:\Users\istva\VN7XCW
2022. 02. 21. 23:45 <DIR> .
2022. 02. 21. 23:32 <DIR> ..
2022. 02. 21. 23:44 <DIR> bokor
2022. 02. 21. 23:46 <DIR> fa
                0 File(s)                0 bytes

Directory of C:\Users\istva\VN7XCW\bokor
2022. 02. 21. 23:44 <DIR> .
2022. 02. 21. 23:45 <DIR> ..
2022. 02. 21. 23:46 <DIR> banan
2022. 02. 14. 12:55 <DIR> mogyoro
                0 File(s)                0 bytes

Directory of C:\Users\istva\VN7XCW\bokor\banan
2022. 02. 21. 23:46 <DIR> .
2022. 02. 21. 23:44 <DIR> ..
2022. 02. 21. 23:47 46 leiras.txt
                1 File(s)                46 bytes

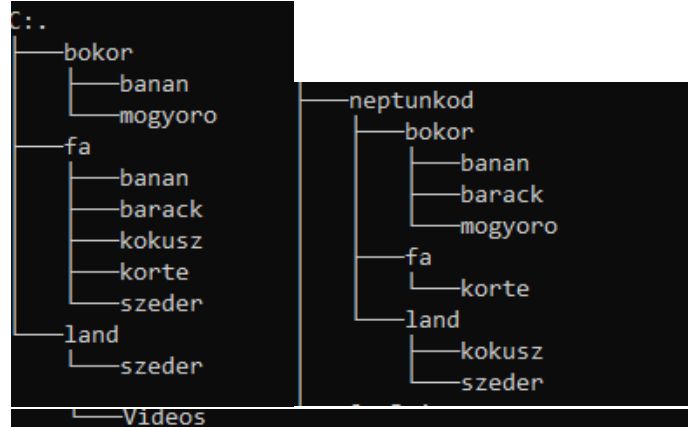
Directory of C:\Users\istva\VN7XCW\bokor\mogyoro
2022. 02. 14. 12:55 <DIR> .
2022. 02. 21. 23:44 <DIR> ..
                0 File(s)                0 bytes

Directory of C:\Users\istva\VN7XCW\fa
2022. 02. 21. 23:46 <DIR> .
2022. 02. 21. 23:45 <DIR> ..
2022. 02. 14. 12:55 <DIR> banan
2022. 02. 14. 12:55 <DIR> barack
2022. 02. 21. 23:48 78 felsorolas.txt
2022. 02. 14. 12:56 <DIR> kokusz
2022. 02. 14. 12:56 <DIR> korte
2022. 02. 14. 12:57 <DIR> szeder
                1 File(s)                78 bytes

Directory of C:\Users\istva\VN7XCW\fa\banan
2022. 02. 14. 12:55 <DIR> .
2022. 02. 21. 23:46 <DIR> ..
                0 File(s)                0 bytes

Directory of C:\Users\istva\VN7XCW\fa\barack
2022. 02. 14. 12:55 <DIR> .
2022. 02. 21. 23:46 <DIR> ..
                0 File(s)                0 bytes

```



```
C:\Users>cd istva

C:\Users\istva>cd neptunkod

C:\Users\istva\neptunkod>cd bokor

C:\Users\istva\neptunkod\bokor>md banan

C:\Users\istva\neptunkod\bokor>md mogyoro

C:\Users\istva\neptunkod\bokor>md barack

C:\Users\istva\neptunkod\bokor>cd ..

C:\Users\istva\neptunkod>md fa

C:\Users\istva\neptunkod>cd fa

C:\Users\istva\neptunkod\fa>md korte

C:\Users\istva\neptunkod\fa>cd ..

C:\Users\istva\neptunkod>md land

C:\Users\istva\neptunkod>cd land

C:\Users\istva\neptunkod\land>md kokusz

C:\Users\istva\neptunkod\land>md szeder

C:\Users\istva\neptunkod\land>cd ..

C:\Users\istva\neptunkod>cd ..

C:\Users\istva>tree
Folder PATH listing
Volume serial number is 5273-2E9B
C:.\
```

Parancssor

```
Microsoft Windows [Version 10.0.22000.493]
(c) Microsoft Corporation. Minden jog fenntartva.

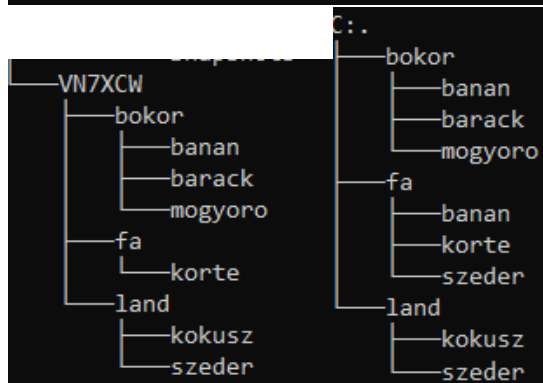
C:\Users\istva>md neptunkod

C:\Users\istva>cd neptunkod

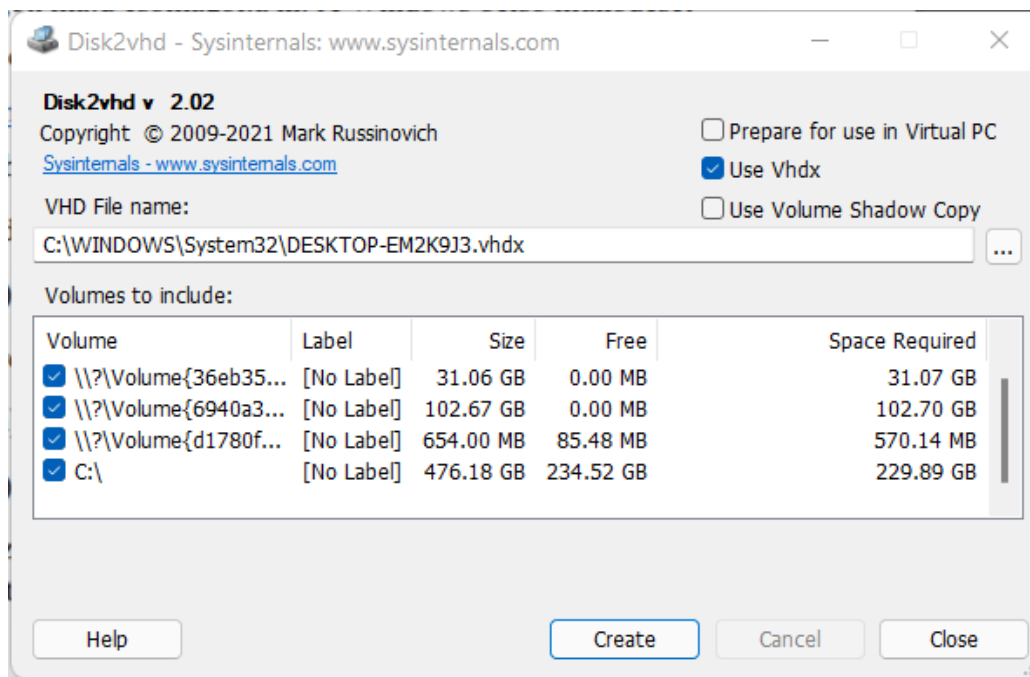
C:\Users\istva\neptunkod>md bokor

C:\Users\istva\neptunkod>cd ..\..

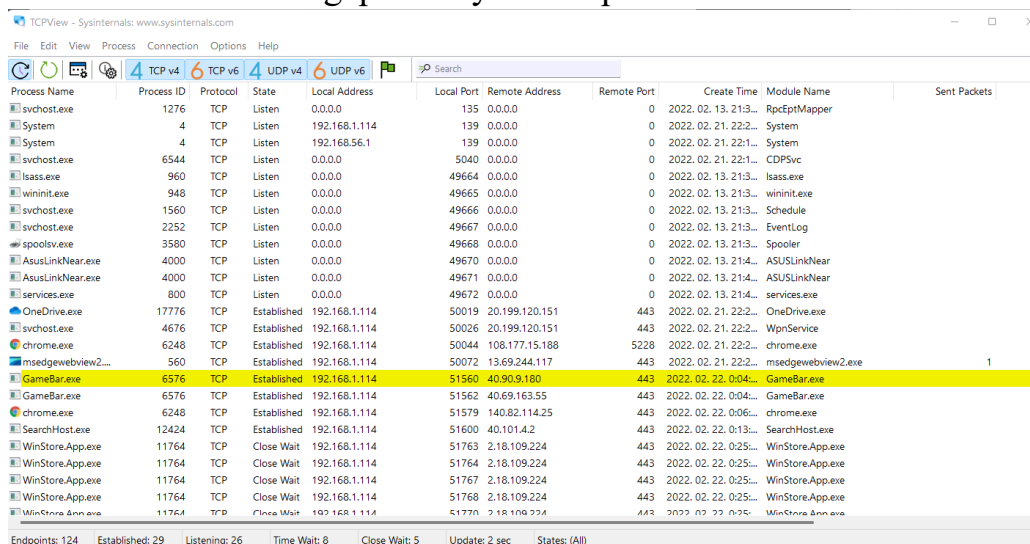
C:\Users>
```



## 2. feladat



**Disk2vhd: a számítógép tárhelyét térképezi fel.**



**TCPView: az összes futó programot listázza.**

Process Explorer - Sysinternals: www.sysinternals.com [DESKTOP-EM2K9J3\jstva]

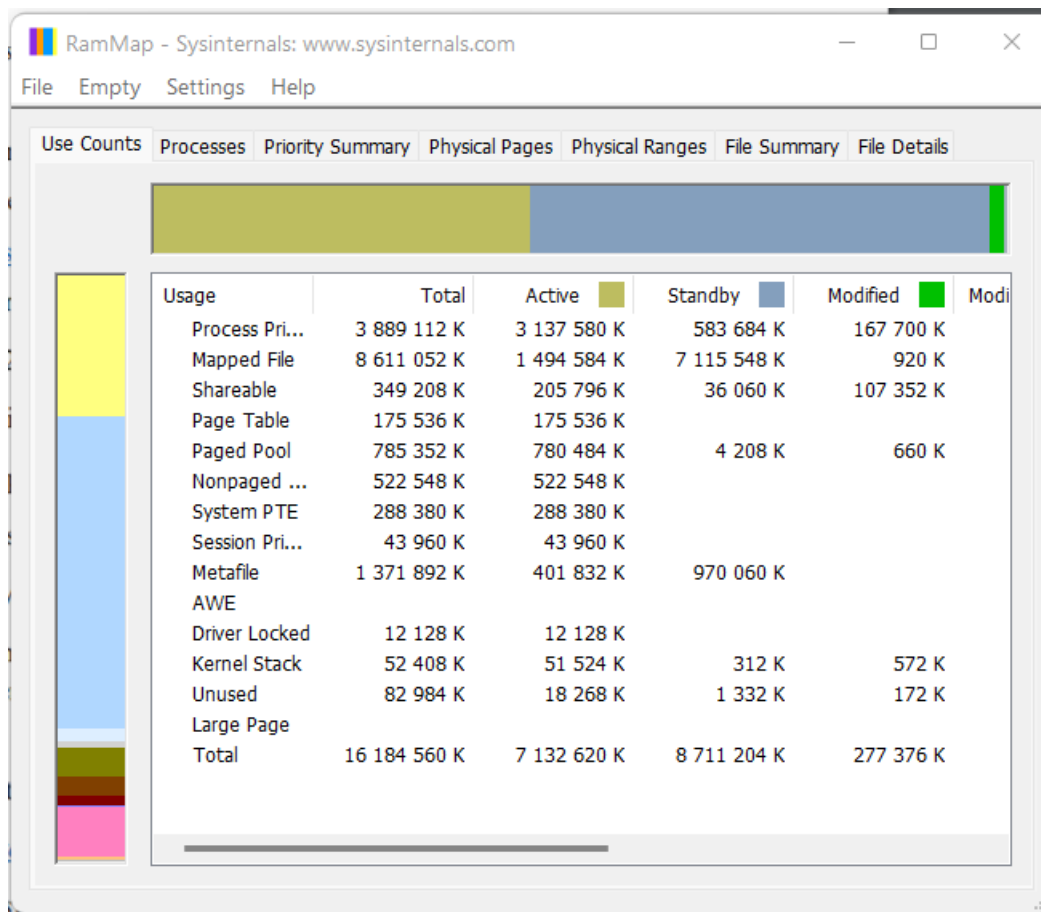
File Options View Process Find Users Help

< Filter by name >

Process	CPU	Private Bytes	Working Set	PID	Description	Company Name
Registry		12 992 K	97 636 K	160		
System Idle Process	94.58	60 K	8 K	0		
System	0.18	40 K	1 700 K	4		
Interrupts	< 0.01	0 K	0 K	n/a	Hardware Interrupts and DPCs	
smss.exe		1 080 K	1 128 K	528		
Memory Compression		876 K	369 244 K	2872		
csrss.exe		2 136 K	6 408 K	812		
wininit.exe		1 476 K	6 888 K	948		
services.exe		6 872 K	15 232 K	800		
svchost.exe	< 0.01	18 448 K	41 152 K	1140	Windows-szolgáltatások gazdafa...	Microsoft Corporation
WsmProvSE.exe		3 904 K	10 844 K	3872		
dhllhost.exe		3 800 K	11 204 K	11608		
unsecapp.exe		1 656 K	8 436 K	4420		
dhllhost.exe		1 456 K	11 420 K	9000	COM Surrogate	Microsoft Corporation
SearchHost.exe	Suspe...	243 012 K	325 140 K	12424		Microsoft Corporation
StartMenuExperienceHost...	< 0.01	34 904 K	85 580 K	9324		
RuntimeBroker.exe		18 372 K	66 860 K	12756	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		6 396 K	31 024 K	13260	Runtime Broker	Microsoft Corporation
dhllhost.exe		7 080 K	18 040 K	12492	COM Surrogate	Microsoft Corporation
YourPhone.exe	Suspe...	36 304 K	4 700 K	9648		Microsoft Corporation
LockApp.exe	Suspe...	15 644 K	55 608 K	15536	LockApp.exe	Microsoft Corporation
ShellExperienceHost.exe	Suspe...	55 252 K	77 520 K	11720	Windows Shell Experience Host	Microsoft Corporation
RuntimeBroker.exe		11 228 K	37 184 K	7936	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		9 108 K	35 056 K	1888	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		2 988 K	19 884 K	8472	Runtime Broker	Microsoft Corporation
Cortana.exe		28 540 K	61 696 K	13248	Cortana	Microsoft Corporation
RuntimeBroker.exe		3 672 K	23 100 K	2324	Runtime Broker	Microsoft Corporation
Win32Bridge.Server.exe		8 716 K	24 520 K	15636	Cortana System Service	Microsoft Corporation
RuntimeBroker.exe		2 164 K	11 116 K	4344	Runtime Broker	Microsoft Corporation
backgroundTaskHost.exe	Suspe...	7 800 K	2 676 K	14596	Background Task Host	Microsoft Corporation
ApplicationFrameHost.exe	< 0.01	38 532 K	53 728 K	10148	Application Frame Host	Microsoft Corporation
SystemSettings.exe	Suspe...	48 540 K	64 624 K	14956	Gépház	Microsoft Corporation
UserOOBEBroker.exe		2 004 K	9 416 K	7632	User OOBEBroker	Microsoft Corporation
YourPhoneServer.exe	< 0.01	88 760 K	85 500 K	16028		
XboxPcApp.exe		15 200 K	35 096 K	13944		
SystemSettingsBroker.exe		8 096 K	33 392 K	5684	System Settings Broker	Microsoft Corporation
Video.UI.exe	Suspe...	21 268 K	4 048 K	9504		
RuntimeBroker.exe		1 392 K	7 304 K	6396	Runtime Broker	Microsoft Corporation
FileCoAuth.exe		4 076 K	18 856 K	12416	Microsoft OneDriveFile Co-Authori...	Microsoft Corporation
dhllhost.exe		2 748 K	18 536 K	13984	COM Surrogate	Microsoft Corporation
dhllhost.exe		3 280 K	16 844 K	540	COM Surrogate	Microsoft Corporation
dhllhost.exe		1 820 K	12 692 K	18532	COM Surrogate	Microsoft Corporation
RuntimeBroker.exe		11 804 K	37 620 K	10636	Runtime Broker	Microsoft Corporation
dhllhost.exe		2 392 K	14 560 K	1896	COM Surrogate	Microsoft Corporation
DataExchangeHost.exe		9 144 K	35 664 K	424	Data Exchange Host	Microsoft Corporation
dhllhost.exe		2 012 K	13 848 K	11664	COM Surrogate	Microsoft Corporation
Microsoft.Photos.exe	Suspe...	75 424 K	131 228 K	12588		
MiniSearchHost.exe	Suspe...	26 200 K	77 140 K	16388		Microsoft Corporation
RuntimeBroker.exe		4 912 K	29 928 K	11848	Runtime Broker	Microsoft Corporation

CPU Usage: 4.86% Commit Charge: 54.77% Processes: 255 Physical Usage: 45.48%

**Process Exploler:** a processzor által futatott processzeket jeleníti meg



**RamMap:** a memória terheltségét jeleníti meg.

**3. feladat**



