

Operációs rendszerek

1.Gyak.

2022.02.16.

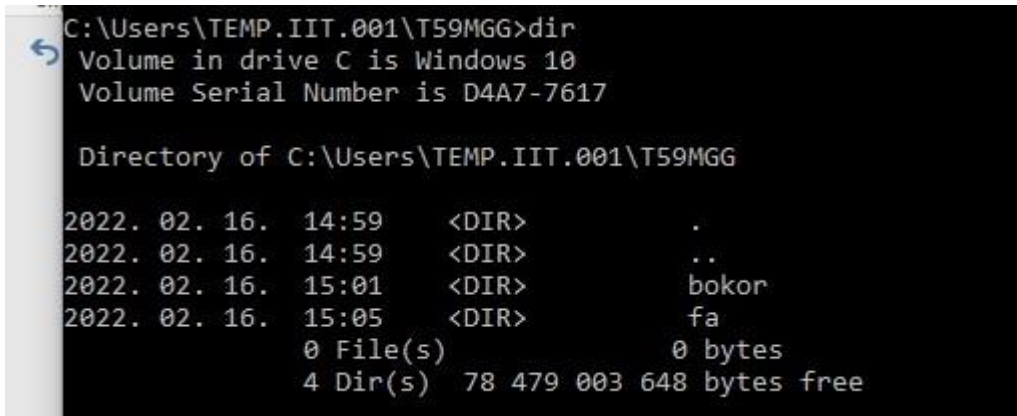
Készítette:

Kaló István Bsc T59MGG

Miskolc, 2022

1,a

**(majd csatolok képet, de elfelejtettem screenshotot csinálni róla
közben)**



```
C:\Users\TEMP.IIT.001\T59MGG>dir
Volume in drive C is Windows 10
Volume Serial Number is D4A7-7617

Directory of C:\Users\TEMP.IIT.001\T59MGG

2022. 02. 16.  14:59    <DIR>          .
2022. 02. 16.  14:59    <DIR>          ..
2022. 02. 16.  15:01    <DIR>          bokor
2022. 02. 16.  15:05    <DIR>          fa
                0 File(s)                0 bytes
                4 Dir(s)  78 479 003 648 bytes free
```

(egyenlőre így néz ki) 1,b,c

```
C:\Users\TEMP.IIT.001\T59MGG\fa>dir
Volume in drive C is Windows 10
Volume Serial Number is D4A7-7617

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa

2022. 02. 16.  15:05    <DIR>          .
2022. 02. 16.  15:05    <DIR>          ..
2022. 02. 16.  14:27    <DIR>          banan
2022. 02. 16.  14:27    <DIR>          barack
2022. 02. 16.  15:05             49 felsorolas.txt
2022. 02. 16.  14:34    <DIR>          kokusz
2022. 02. 16.  14:34    <DIR>          korte
2022. 02. 16.  14:34    <DIR>          szeder
                1 File(s)              49 bytes
                7 Dir(s)  78 481 620 992 bytes free
```

1,d

```
C:\Users\TEMP.IIT.001\T59MGG\fa>copy con felsorolas.txt
a barack finom
a barack sarga
a barack barack
^Z
        1 file(s) copied.
```

1,f

```

2022. 02. 16. 14:27 <DIR>      banan
2022. 02. 16. 15:05          39 leiras.txt
2022. 02. 16. 14:27 <DIR>      mogyoro
          1 File(s)          39 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\bokor\banan
2022. 02. 16. 14:27 <DIR>      .
2022. 02. 16. 14:27 <DIR>      ..
          0 File(s)          0 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\bokor\mogyo
2022. 02. 16. 14:27 <DIR>      .
2022. 02. 16. 14:27 <DIR>      ..
          0 File(s)          0 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa
2022. 02. 16. 15:05 <DIR>      .
2022. 02. 16. 15:05 <DIR>      ..
2022. 02. 16. 14:27 <DIR>      banan
2022. 02. 16. 14:27 <DIR>      barack
2022. 02. 16. 15:05          49 felsorolas.txt
2022. 02. 16. 14:34 <DIR>      kokusz
2022. 02. 16. 14:34 <DIR>      korte
2022. 02. 16. 14:34 <DIR>      szeder
          1 File(s)          49 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa\banan
2022. 02. 16. 14:27 <DIR>      .
2022. 02. 16. 14:27 <DIR>      ..
          0 File(s)          0 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa\barack
2022. 02. 16. 14:27 <DIR>      .
2022. 02. 16. 14:27 <DIR>      ..
          0 File(s)          0 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa\kokusz
2022. 02. 16. 14:34 <DIR>      .
2022. 02. 16. 14:34 <DIR>      ..
          0 File(s)          0 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa\korte
2022. 02. 16. 14:34 <DIR>      .
2022. 02. 16. 14:34 <DIR>      ..
          0 File(s)          0 bytes

Directory of C:\Users\TEMP.IIT.001\T59MGG\fa\szeder
2022. 02. 16. 14:34 <DIR>      .
2022. 02. 16. 14:34 <DIR>      ..
          0 File(s)          0 bytes

Total Files Listed:
          2 File(s)          88 bytes
          29 Dir(s)  78 469 791 744 bytes free

```

1,g

```
C:\Users\TEMP.IIT.001\T59MGG\bokor>dir ?e*
Volume in drive C is Windows 10
Volume Serial Number is D4A7-7617

Directory of C:\Users\TEMP.IIT.001\T59MGG\bokor

2022. 02. 16.  15:05                39 leiras.txt
               1 File(s)                39 bytes
               0 Dir(s)  78 468 993 024 bytes free

C:\Users\TEMP.IIT.001\T59MGG\bokor>_
```

1,h

```
C:\Users\TEMP.IIT.001\T59MGG>icacls C:\Users\TEMP.IIT.001\T59MGG\fa\felsorolas.txt /grant everyone:r
processed file: C:\Users\TEMP.IIT.001\T59MGG\fa\felsorolas.txt
Successfully processed 1 files; Failed processing 0 files
```

1,i

```
C:\Users\TEMP.IIT.001\T59MGG>dir
Volume in drive C is Windows 10
Volume Serial Number is D4A7-7617

Directory of C:\Users\TEMP.IIT.001\T59MGG

2022. 02. 16.  14:59    <DIR>        .
2022. 02. 16.  14:59    <DIR>        ..
2022. 02. 16.  15:01    <DIR>        bokor
2022. 02. 16.  15:05    <DIR>        fa
               0 File(s)                0 bytes
               4 Dir(s)  78 467 006 464 bytes free
```

1,j

```
C:\Users\TEMP.IIT.001\T59MGG\fa>sort felsorolas.txt
a barack barack
a barack finom
a barack sarga
```

2.Feladat

A

2,a

Nem engedte lefutni, olyan hibaüzenetet írt, hogy nincs elég tárhelyem(3TB szabad tárhelyem van még kb).

2 b

TCPView - Sysinternals: www.sysinternals.com

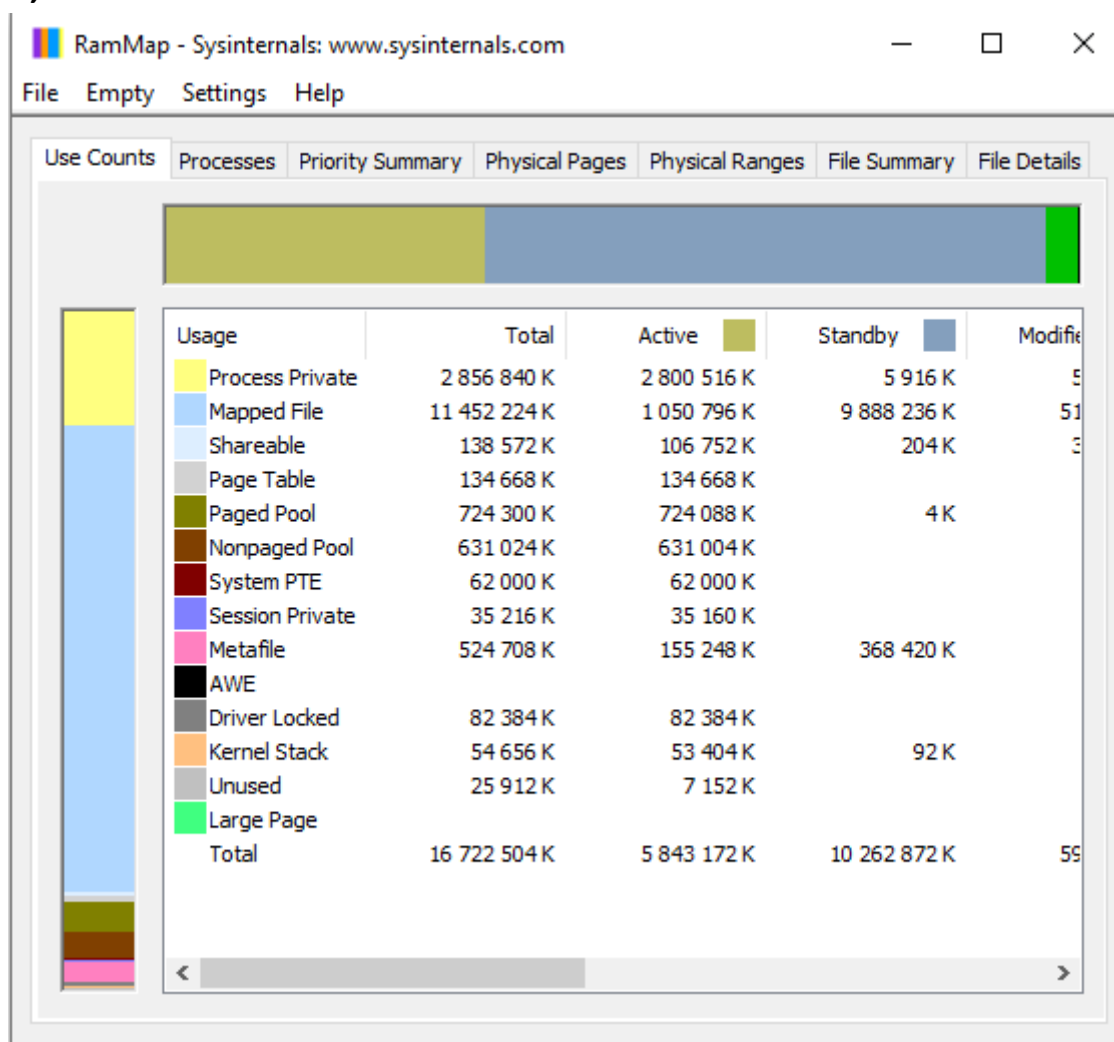
File Edit View Process Connection Options Help

4 TCP v4 6 TCP v6 4 UDP v4 6 UDP v6 Search

Process Name	Process ID	Protocol	State	Local Address	Local Port	Remote Address	Remote Port	Create Time	Module Name	Sent P
svchost.exe	648	TCP	Listen	0.0.0.0	135	0.0.0.0	0	2022.02.18.10:04:54	RpcSs	
System	4	TCP	Listen	192.168.1.69	139	0.0.0.0	0	2022.02.20.17:55:20	System	
svchost.exe	6392	TCP	Listen	0.0.0.0	5040	0.0.0.0	0	2022.02.20.17:55:08	CDPSvc	
Discord.exe	4392	TCP	Listen	127.0.0.1	6463	0.0.0.0	0	2022.02.20.18:00:39	Discord.exe	
wininit.exe	712	TCP	Listen	0.0.0.0	49664	0.0.0.0	0	2022.02.18.10:04:54	wininit.exe	
svchost.exe	1240	TCP	Listen	0.0.0.0	49665	0.0.0.0	0	2022.02.18.10:04:54	EventLog	
svchost.exe	1708	TCP	Listen	0.0.0.0	49666	0.0.0.0	0	2022.02.18.10:04:54	Schedule	
spoolsv.exe	2888	TCP	Listen	0.0.0.0	49667	0.0.0.0	0	2022.02.18.10:04:55	Spooler	
services.exe	772	TCP	Listen	0.0.0.0	49668	0.0.0.0	0	2022.02.18.10:04:56	services.exe	
lsass.exe	796	TCP	Listen	0.0.0.0	49708	0.0.0.0	0	2022.02.18.10:05:04	lsass.exe	
vgtray.exe	7080	TCP	Close Wait	192.168.1.69	52688	52.84.111.105	443	2022.02.20.18:31:55	vgtray.exe	
Discord.exe	6896	TCP	Established	192.168.1.69	53645	162.159.135.234	443	2022.02.20.20:10:34	Discord.exe	
vgtray.exe	7080	TCP	Close Wait	192.168.1.69	53657	52.84.111.34	443	2022.02.20.20:11:10	vgtray.exe	
Spotify.exe	7192	TCP	Listen	0.0.0.0	57621	0.0.0.0	0	2022.02.20.20:12:21	Spotify.exe	
Spotify.exe	9300	TCP	Established	192.168.1.69	58978	192.168.1.70	8008	2022.02.20.20:12:21	Spotify.exe	
Spotify.exe	9300	TCP	Established	192.168.1.69	58979	192.168.1.68	8008	2022.02.20.20:12:21	Spotify.exe	
Spotify.exe	9300	TCP	Established	192.168.1.69	58987	192.168.1.70	8009	2022.02.20.20:12:22	Spotify.exe	
Spotify.exe	9300	TCP	Established	192.168.1.69	58988	192.168.1.68	8009	2022.02.20.20:12:22	Spotify.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59018	192.168.1.70	8008	2022.02.20.20:12:30	chrome.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59019	192.168.1.68	8008	2022.02.20.20:12:30	chrome.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59028	192.168.1.70	8009	2022.02.20.20:12:32	chrome.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59029	192.168.1.68	8009	2022.02.20.20:12:32	chrome.exe	
SearchUI.exe	11704	TCP	Close Wait	192.168.1.69	59037	93.184.220.29	80	2022.02.20.20:12:37	SearchUI.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59141	185.199.108.154	443	2022.02.20.20:14:13	chrome.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59143	185.199.108.154	443	2022.02.20.20:14:13	chrome.exe	
chrome.exe	5416	TCP	Established	192.168.1.69	59152	140.82.114.25	443	2022.02.20.20:15:09	chrome.exe	
[Time Wait]		TCP	Time Wait	192.168.1.69	59168	193.6.10.4	443			
[Time Wait]		TCP	Time Wait	192.168.1.69	59192	152.199.19.160	443			
[Time Wait]		TCP	Time Wait	192.168.1.69	59243	20.93.58.141	443			
[Time Wait]		TCP	Time Wait	192.168.1.69	59246	34.196.74.220	443			
MsmEng.exe	10024	TCP	Established	192.168.1.69	59302	20.93.58.141	443	2022.02.20.20:19:19	WinDefend	

Endpoints: 163 Established: 39 Listening: 27 Time Wait: 26 Close Wait: 11 Update: 2 sec States: (All)

2,c



2,d

Elfogadtam egy bizonyos ablakot, ezután a program egy pillantás alatt lefutott.

2,e

Process Explorer - Sysinternals: www.sysinternals.com [DESKTOP-P81Q008\whist]

File Options View Process Find Users Help

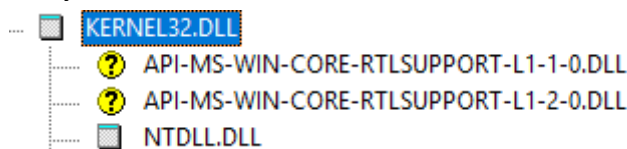
<Filter by name>

Process	CPU	Private Bytes	Working Set	PID	Description	Company Name
Registry		4 952 K	90 692 K	168		
System Idle Process	82.35	56 K	8 K	0		
System	0.19	196 K	1 616 K	4		
smss.exe	0.38	0 K	0 K	n/a	Hardware Interrupts and DPCs	
Memory Compression	< 0.01	660 K	112 384 K	2204		
csrss.exe		1 952 K	5 560 K	612		
wininit.exe		1 608 K	6 268 K	712		
services.exe	0.19	5 500 K	8 988 K	772		
svchost.exe		932 K	3 632 K	920	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe	0.09	12 688 K	28 088 K	940	Windows-szolgáltatások gaz...	Microsoft Corporation
ShellExperienceHost.exe	Susp...	58 784 K	96 724 K	3000	Windows Shell Experience H...	Microsoft Corporation
SearchUI.exe	Susp...	160 448 K	205 984 K	11704	Search and Cortana applicati...	Microsoft Corporation
RuntimeBroker.exe		5 736 K	21 652 K	11860	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		14 024 K	37 192 K	13248	Runtime Broker	Microsoft Corporation
SkypeBackgroundHo...	Susp...	2 200 K	3 408 K	11004	Microsoft Skype	Microsoft Corporation
YourPhone.exe	Susp...	47 792 K	416 K	4592	YourPhone	Microsoft Corporation
SettingSyncHost.exe		11 040 K	6 476 K	4524	Host Process for Setting Syn...	Microsoft Corporation
RuntimeBroker.exe		4 660 K	16 256 K	12628	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		1 536 K	6 432 K	9696	Runtime Broker	Microsoft Corporation
smartscreen.exe		19 648 K	44 580 K	4204	Windows Defender SmartScr...	Microsoft Corporation
ApplicationFrameHost...		34 252 K	37 260 K	7420	Application Frame Host	Microsoft Corporation
MicrosoftEdge.exe	Susp...	45 268 K	8 076 K	12692	Microsoft Edge	Microsoft Corporation
browser_broker.exe		1 692 K	7 300 K	14404	Browser_Broker	Microsoft Corporation
RuntimeBroker.exe		2 256 K	9 344 K	10044	Runtime Broker	Microsoft Corporation
MicrosoftEdgeSH...	Susp...	4 804 K	7 524 K	14312	Microsoft Edge Web Platform	Microsoft Corporation
MicrosoftEdgeCP.exe	Susp...	208 336 K	63 232 K	6496	Microsoft Edge Content Proc...	Microsoft Corporation
dlhost.exe		7 692 K	13 300 K	14948	COM Surrogate	Microsoft Corporation
WinStore App.exe	Susp...	40 348 K	568 K	17160	Store	Microsoft Corporation
RuntimeBroker.exe		2 260 K	8 488 K	14844	Runtime Broker	Microsoft Corporation
Microsoft.Photos.exe	Susp...	62 032 K	424 K	7176		
RuntimeBroker.exe		5 308 K	16 352 K	5632	Runtime Broker	Microsoft Corporation
SystemSettings.exe	Susp...	38 628 K	24 064 K	17268	Gépház	Microsoft Corporation
WmiPrvSE.exe		4 852 K	11 464 K	11100		
WmiPrvSE.exe		2 252 K	8 356 K	4508		
WindowsInternal.Com...	Susp...	37 532 K	54 112 K	8272	WindowsInternal Composabl...	Microsoft Corporation
backgroundTaskHost...	Susp...	4 320 K	17 744 K	14408	Background Task Host	Microsoft Corporation
svchost.exe	< 0.01	8 548 K	15 712 K	648	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe	< 0.01	2 828 K	7 964 K	760	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		2 364 K	9 204 K	1196	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		2 176 K	11 684 K	1232	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		15 868 K	16 892 K	1240	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		1 568 K	5 680 K	1340	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		5 672 K	7 896 K	1396	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		1 764 K	5 992 K	1508	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe	0.09	2 496 K	7 352 K	1524	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe		2 416 K	10 320 K	1584	Windows-szolgáltatások gaz...	Microsoft Corporation

CPU Usage: 17.49% | Commit Charge: 44.01% | Processes: 198 | Physical Usage: 35.43%

3.feladat

3.a,



3,b

Az NTDLL.DLL a system service dispatcherrel kommunikál.