

# Operációs rendszerek Bsc

2. Gyak.

2022. 02. 14.

Készítette:

Pogonyi Ábel Kürt Bsc

Programtervező informatika

TR6FKP

Miskolc, 2022

## 1. feladat – File kezelések parancs sorban

-a

```
D:\programozás\TR6FKP0sGyak\TR6FKP>tree
Folder PATH listing
Volume serial number is 1E3A-23DB
D:.\
|--- bokor
|   |--- banan
|   |--- barack
|   |--- mogyoro
|--- fa
|   |--- korte
|--- land
|   |--- kokusz
|   |--- szeder
```

-b

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>xcopy /E /I land\szeder fa\szeder
0 File(s) copied

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>xcopy /E /I bokor\banan fa\banan
0 File(s) copied
```

-c

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>move bokor\barack fa
1 dir(s) moved.

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>move land\kokusz fa
1 dir(s) moved.
```

-d

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>rmdir land /s
land, Are you sure (Y/N)? y

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>copy null > bokor\banan\leiras.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>copy null > tree\felsorolas.txt
A rendszer nem találja a megadott elérési utat.

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>copy null > fa\felsorolas.txt
```

-e

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo A barack edes >> bokor\banan\leiras.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo A barack finom >> bokor\banan\leiras.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo A barack eheto >> bokor\banan\leiras.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo elso nev >> fa\felsorolas.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo masodik nev >> fa\felsorolas.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo harmadik nev >> fa\felsorolas.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo negyedik nev >> fa\felsorolas.txt

D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>echo otodik nev >> fa\felsorolas.txt
```

-f

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>dir /s /b
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\bokor
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\bokor\banan
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\bokor\mogoro
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\bokor\banan\leiras.txt
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa\banan
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa\barack
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa\felsorolas.txt
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa\kokusz
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa\korte
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa\szeder
```

-g

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>dir ?e* /s
Volume in drive D has no label.
Volume Serial Number is 1E3A-23DB

Directory of D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\bokor\banan

2022. 02. 15.   19:55                92 leiras.txt
                1 File(s)                92 bytes

Directory of D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa

2022. 02. 15.   19:56               110 felsorolas.txt
                1 File(s)               110 bytes

Total Files Listed:
                2 File(s)                202 bytes
                0 Dir(s)  64,268,869,632 bytes free
```

-h

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP>icacls fa\felsorolas.txt /grant Felhasználók:R
processed file: fa\felsorolas.txt
Successfully processed 1 files; Failed processing 0 files
```

-i

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214>dir TR6FKP
Volume in drive D has no label.
Volume Serial Number is 1E3A-23DB

Directory of D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP

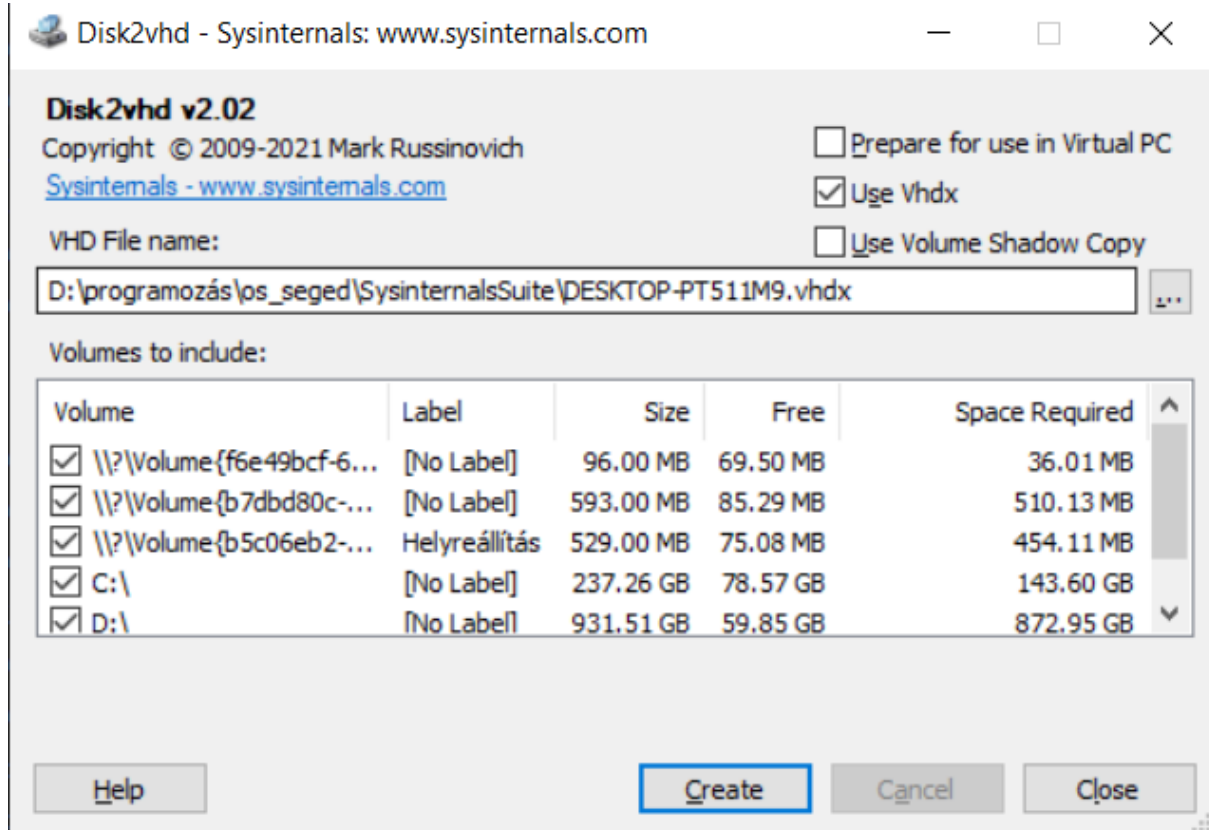
2022. 02. 15. 19:53 <DIR>      .
2022. 02. 15. 19:53 <DIR>      ..
2022. 02. 15. 19:50 <DIR>      bokor
2022. 02. 15. 19:54 <DIR>      fa
                        0 File(s)              0 bytes
```

-j

```
D:\programozás\TR6FKP0sGyak\TR6FKP_0214\TR6FKP\fa>sort felsorolas.txt
elso_nev
harmadik_nev
masodik_nev
negyedik_nev
otodik_nev
```

## 2. Sysinternals Suite csomag

### a. File and Disk Utilities (Disk2vhd)



Egy eszköz, ami segít virtuális tár létrehozásában (VHD). Ezt lehet használni virtuális gépen is.

## b. Networking Utilities (TCPView)

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
svchost.exe	1128	TCP	Listen	0.0.0.0	135	0.0.0.0	0	2022.02.15.12:55:26	RpcSs
System	4	TCP	Listen	172.18.1.186	139	0.0.0.0	0	2022.02.15.12:55:35	System
System	4	TCP	Listen	192.168.56.1	139	0.0.0.0	0	2022.02.15.12:55:24	System
System	4	TCP	Listen	192.168.137.1	139	0.0.0.0	0	2022.02.15.12:55:52	System
svchost.exe	4152	TCP	Listen	0.0.0.0	5040	0.0.0.0	0	2022.02.15.12:55:30	CDPSvc
mDNSResponder.exe	5304	TCP	Listen	127.0.0.1	5354	0.0.0.0	0	2022.02.15.12:55:30	Bonjour Service
AsusSGPlusBTServer64...	13160	TCP	Listen	0.0.0.0	5665	0.0.0.0	0	2022.02.15.12:58:05	AsusSGPlusBTSer
Discord.exe	4300	TCP	Listen	127.0.0.1	6463	0.0.0.0	0	2022.02.15.12:58:21	Discord.exe
btweb.exe	18952	TCP	Listen	0.0.0.0	6881	0.0.0.0	0	2022.02.15.12:58:16	btweb.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	49542	2022.02.15.15:35:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	49596	2022.02.15.13:00:31	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	53117	2022.02.15.19:23:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	53698	2022.02.15.19:39:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	54304	2022.02.15.16:22:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	54328	2022.02.15.14:45:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	54434	2022.02.15.16:28:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	54616	2022.02.15.15:01:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	56199	2022.02.15.20:19:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	58471	2022.02.15.18:01:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	64714	2022.02.15.17:12:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	64819	2022.02.15.15:59:33	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	64927	2022.02.15.13:18:31	urbanvpnserv.exe
urbanvpnserv.exe	5848	TCP	Established	127.0.0.1	24124	127.0.0.1	64955	2022.02.15.13:18:31	urbanvpnserv.exe

Endpoints: 358 Established: 200 Listening: 45 Time Wait: 6 Close Wait: Update: 2 sec States: (All)

Ez egy hálózat figyelő alkalmazás.

Használható információk gyűjtésére, kapcsolat figyelésére és megszüntetésére.

## c. Process Utilities

### 1. Process Explorer

Process Explorer - Sysinternals: www.sysinternals.com [DESKTOP-PT511M9\Ábel]

File Options View Process Find Users Help

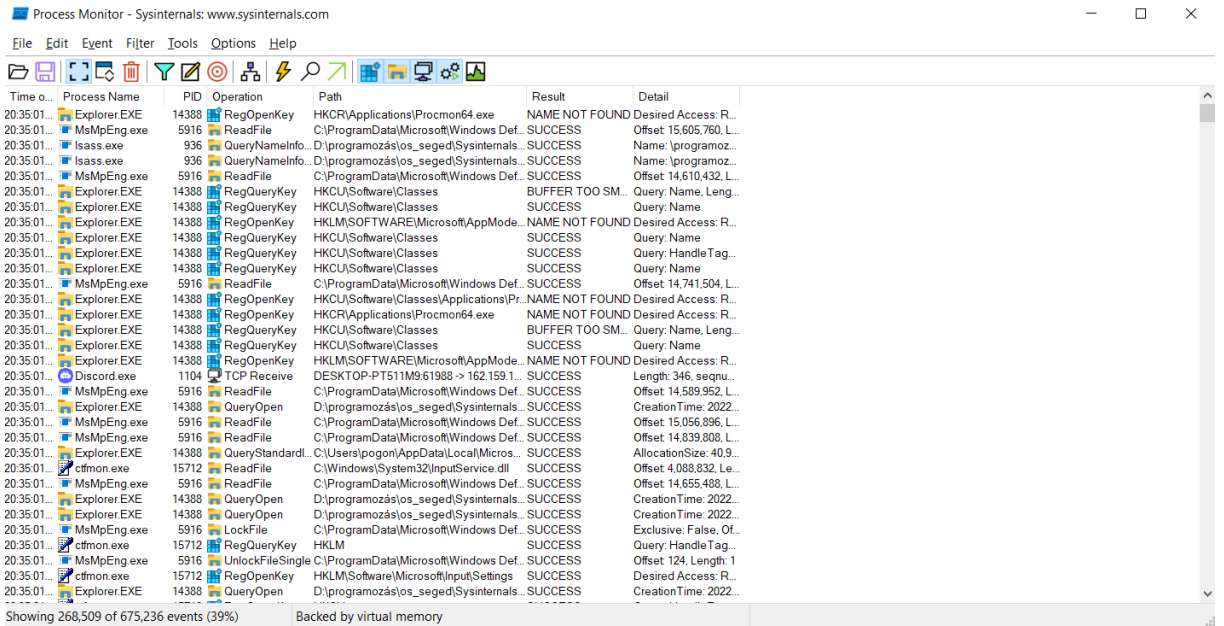
<Filter by name>

Process	CPU	Private Bytes	Working Set	PID	Description	Company Name
Registry		12.356 K	101.720 K	124		
System Idle Process	59.98	60 K	8 K	0		
System	2.33	252 K	27.112 K	4		
Interrupts	1.07	0 K	0 K	n/a	Hardware Interrupts and DPCs	
smss.exe		1.084 K	1.060 K	648		
Memory Compression	< 0.01	1.560 K	457.416 K	2696		
csrss.exe		2.148 K	5.708 K	744		
wininit.exe		1.428 K	6.324 K	848		
services.exe	0.36	6.832 K	12.828 K	920		
svchost.exe	< 0.01	13.292 K	33.472 K	708	Windows-szolgáltatások gaz...	Microsoft Corporation
WmiPrvSE.exe	< 0.01	3.720 K	10.112 K	3116		
dllhost.exe		3.200 K	10.324 K	13324		
unsecapp.exe	< 0.01	2.912 K	8.336 K	12688		
StartMenuExperienceHo...	< 0.01	49.068 K	65.744 K	17916		
RuntimeBroker.exe		6.324 K	25.544 K	7080	Runtime Broker	Microsoft Corporation
SearchApp.exe	Susp...	233.652 K	294.360 K	14656	Search application	Microsoft Corporation
RuntimeBroker.exe	< 0.01	17.692 K	45.812 K	16512	Runtime Broker	Microsoft Corporation
YourPhone.exe	Susp...	55.828 K	5.852 K	17220		Microsoft Corporation
RuntimeBroker.exe		3.356 K	20.392 K	18596	Runtime Broker	Microsoft Corporation
YourPhoneServer.exe	< 0.01	38.844 K	51.612 K	19380		
dllhost.exe		5.576 K	12.804 K	13864	COM Surrogate	Microsoft Corporation
TextInputHost.exe	< 0.01	32.916 K	46.072 K	4232		Microsoft Corporation
RuntimeBroker.exe	< 0.01	8.792 K	28.888 K	2804	Runtime Broker	Microsoft Corporation
SettingSyncHost.exe		2.660 K	6.064 K	10536	Host Process for Setting Syn...	Microsoft Corporation
SystemSettings.exe	Susp...	24.044 K	2.676 K	12548	Gépház	Microsoft Corporation
ApplicationFrameHoste...		19.044 K	37.640 K	18732	Application Frame Host	Microsoft Corporation
UserOOBEBroker.exe		2.084 K	9.500 K	15084	User OOBEBroker	Microsoft Corporation
MusicUI.exe	Susp...	37.692 K	2.276 K	10332		
ShellExperienceHost.exe	Susp...	27.712 K	80.648 K	13912	Windows Shell Experience H...	Microsoft Corporation
RuntimeBroker.exe		7.728 K	28.876 K	6744	Runtime Broker	Microsoft Corporation

CPU Usage: 38.85% Commit Charge: 64.04% Processes: 292 Physical Usage: 58.05%

Processzek figyelése, információi, erőforrás használata. Olyan mint a feladatkezelő.

## 2. Process Monitor



Process Monitor - Sysinternals: www.sysinternals.com

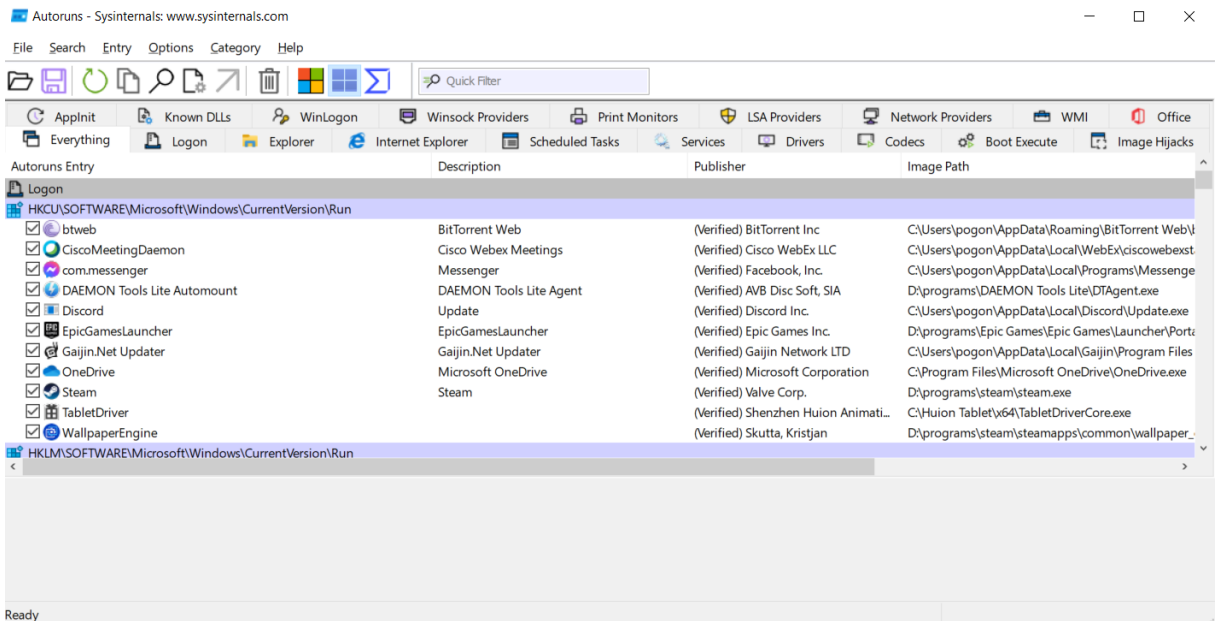
File Edit Event Filter Tools Options Help

Time o...	Process Name	PID	Operation	Path	Result	Detail
20:35:01...	Explorer EXE	14388	RegOpenKey	HKCR\Applications\Procmon64.exe	NAME NOT FOUND	Desired Access: R...
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 15,605,760, L...
20:35:01...	Isass.exe	936	QueryNameInfo...	D:\programozás(os_seged\Sysinternals...	SUCCESS	Name: \programoz...
20:35:01...	Isass.exe	936	QueryNameInfo...	D:\programozás(os_seged\Sysinternals...	SUCCESS	Name: \programoz...
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 14,610,432, L...
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	BUFFER TOO SM...	Query: Name, Leng...
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	SUCCESS	Query: Name
20:35:01...	Explorer EXE	14388	RegOpenKey	HKLM\SOFTWARE\Microsoft\AppMode...	NAME NOT FOUND	Desired Access: R...
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	SUCCESS	Query: Name
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	SUCCESS	Query: HandleTag...
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	SUCCESS	Query: Name
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 14,741,504, L...
20:35:01...	Explorer EXE	14388	RegOpenKey	HKCU\Software\Classes\Applications\Pr...	NAME NOT FOUND	Desired Access: R...
20:35:01...	Explorer EXE	14388	RegOpenKey	HKCR\Applications\Procmon64.exe	NAME NOT FOUND	Desired Access: R...
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	BUFFER TOO SM...	Query: Name, Leng...
20:35:01...	Explorer EXE	14388	RegQueryKey	HKCU\Software\Classes	SUCCESS	Query: Name
20:35:01...	Discord.exe	1104	TCP Receive	DESKTOP-PT511M9:162.159.1...	SUCCESS	Length: 346, sequ...
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 14,589,952, L...
20:35:01...	Explorer EXE	14388	QueryOpen	D:\programozás(os_seged\Sysinternals...	SUCCESS	CreationTime: 2022...
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 15,056,896, L...
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 14,839,808, L...
20:35:01...	Explorer EXE	14388	QueryStandardl...	C:\Users\pogon\AppData\Local\Micros...	SUCCESS	AllocationSize: 40.9...
20:35:01...	ctfmon.exe	15712	ReadFile	C:\Windows\System32\InputService.dll	SUCCESS	Offset 4,088,832, Le...
20:35:01...	MsMpEng.exe	5916	ReadFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 14,655,488, L...
20:35:01...	Explorer EXE	14388	QueryOpen	D:\programozás(os_seged\Sysinternals...	SUCCESS	CreationTime: 2022...
20:35:01...	Explorer EXE	14388	QueryOpen	D:\programozás(os_seged\Sysinternals...	SUCCESS	CreationTime: 2022...
20:35:01...	MsMpEng.exe	5916	LockFile	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Exclusive: False, Of...
20:35:01...	ctfmon.exe	15712	RegQueryKey	HKLM	SUCCESS	Query: HandleTag...
20:35:01...	MsMpEng.exe	5916	UnlockFileSingle	C:\ProgramData\Microsoft\Windows Def...	SUCCESS	Offset 124, Length: 1
20:35:01...	ctfmon.exe	15712	RegOpenKey	HKLM\Software\Microsoft\InputSettings	SUCCESS	Desired Access: R...
20:35:01...	Explorer EXE	14388	QueryOpen	D:\programozás(os_seged\Sysinternals...	SUCCESS	CreationTime: 2022...

Showing 268,509 of 675,236 events (39%) Backed by virtual memory

Míg az előző inkább általános adatokat adott, ez addig részletesebben leírja az egyes processzeket.

## 3. AutoRuns



AutoRuns - Sysinternals: www.sysinternals.com

File Search Entry Options Category Help

Quick Filter

Autoruns Entry	Description	Publisher	Image Path
Logon			
HKCU\SOFTWARE\Microsoft\Windows\CurrentVersion\Run			
<input checked="" type="checkbox"/> btweb	BitTorrent Web	(Verified) BitTorrent Inc	C:\Users\pogon\AppData\Roaming\BitTorrent Web\l...
<input checked="" type="checkbox"/> CiscoMeetingDaemon	Cisco Webex Meetings	(Verified) Cisco WebEx LLC	C:\Users\pogon\AppData\Local\WebEx\ciscowebext...
<input checked="" type="checkbox"/> com.messenger	Messenger	(Verified) Facebook, Inc.	C:\Users\pogon\AppData\Local\Programs\Messenge...
<input checked="" type="checkbox"/> DAEMON Tools Lite Automount	DAEMON Tools Lite Agent	(Verified) AVB Disc Soft, SIA	D:\programs\DAEMON Tools Lite\DTAgent.exe
<input checked="" type="checkbox"/> Discord	Update	(Verified) Discord Inc.	C:\Users\pogon\AppData\Local\Discord\Update.exe
<input checked="" type="checkbox"/> EpicGamesLauncher	EpicGamesLauncher	(Verified) Epic Games Inc.	D:\programs\Epic Games\Epic Games\Launcher\Port...
<input checked="" type="checkbox"/> Gajjin.Net Updater	Gajjin.Net Updater	(Verified) Gajjin Network LTD	C:\Users\pogon\AppData\Local\Gajjin\Program Files
<input checked="" type="checkbox"/> OneDrive	Microsoft OneDrive	(Verified) Microsoft Corporation	C:\Program Files\Microsoft OneDrive\OneDrive.exe
<input checked="" type="checkbox"/> Steam	Steam	(Verified) Valve Corp.	D:\programs\steam\steam.exe
<input checked="" type="checkbox"/> TabletDriver		(Verified) Shenzhen Huion Animati...	C:\Huion Tablet\64\TabletDriverCore.exe
<input checked="" type="checkbox"/> WallpaperEngine		(Verified) Skutta, Kristjan	D:\programs\steam\steamapps\common\wallpaper_...
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run			

Ready

Ez az automatizált processzeket mutatja. Amiket például rendszer indításakor indulnak el.

d. Security Utilities (LogonSession)

```
D:\programozás\os_seged\logonSessions>logonsessions64.exe
```

```
LogonSessions v1.41 - Lists logon session information  
Copyright (C) 2004-2020 Mark Russinovich  
Sysinternals - www.sysinternals.com
```

```
[0] Logon session 00000000:000003e7:  
  User name:      WORKGROUP\DESKTOP-PT511M9$  
  Auth package:   NTLM  
  Logon type:     (none)  
  Session:        0  
  Sid:            S-1-5-18  
  Logon time:     2022. 02. 15. 12:55:26  
  Logon server:  
  DNS Domain:  
  UPN:
```

```
[1] Logon session 00000000:0001a39f:  
  User name:  
  Auth package:   NTLM  
  Logon type:     (none)  
  Session:        0  
  Sid:            (none)  
  Logon time:     2022. 02. 15. 12:55:26  
  Logon server:  
  DNS Domain:  
  UPN:
```

```
[2] Logon session 00000000:0001a824:  
  User name:      Font Driver Host\UMFD-0  
  Auth package:   Negotiate  
  Logon type:     Interactive  
  Session:        0  
  Sid:            S-1-5-96-0-0  
  Logon time:     2022. 02. 15. 12:55:26  
  Logon server:  
  DNS Domain:  
  UPN:
```

Ez a belépett felhasználók/alkalmazásokról ad információt.



### e. Information Utilities (RAMMap)

RamMap - Sysinternals: www.sysinternals.com

File Empty Settings Help

Use Counts Processes Priority Summary Physical Pages Physical Ranges File Summary File Details

Usage	Total	Active	Standby	Modified	Modified ...	Transition	Zeroed	Free	Bad
Process Private	4,797,348 K	4,440,512 K	184,964 K	171,780 K					
Mapped File	7,447,344 K	1,597,744 K	5,847,940 K	1,660 K					
Shareable	725,336 K	357,176 K	163,084 K	205,076 K					
Page Table	191,840 K	191,840 K							
Paged Pool	631,512 K	630,528 K	208 K	776 K					
Nonpaged Pool	800,324 K	800,324 K							
System PTE	310,436 K	310,436 K							
Session Private	45,140 K	45,140 K							
Metafile	722,960 K	278,852 K	444,108 K						
AWE									
Driver Locked	32,300 K	32,300 K							
Kernel Stack	60,832 K	60,340 K	344 K	148 K					
Unused	868,648 K	8,720 K	224 K				815,944 K	43,760 K	
Large Page									
Total	16,634,020 K	8,753,912 K	6,640,872 K	379,440 K		92 K	815,944 K	43,760 K	

Ez a ram használatról ad információkat.

## 3. Dependency Walker

Dependency Walker - [c\_program]

File Edit View Options Profile Window Help

Kernel32.dll

API-MS-WIN-CORE-RTLSUPPORT-L1-1-0.DLL

NTDLL.dll

KERNELBASE.dll

NTDLL.dll

API-MS-WIN-EVENTING-PROVIDER-L1-1-0.DLL

API-MS-WIN-CORE-APIQUERY-L1-1-0.DLL

API-MS-WIN-CORE-APIQUERY-L1-1-1.DLL

EXT-MS-WIN-ADVAPI32-REGISTRY-L1-1-0.DLL

EXT-MS-WIN-ADVAPI32-REGISTRY-L1-1-1.DLL

EXT-MS-WIN-KERNEL32-APPCOMPAT-L1-1-0.DLL

FXT-MS-WIN-NTLISFR-STRING-L1-1-0.DLL

PI	Ordinal ^	Hint	Function	Entry Point
E	Ordinal ^	Hint	Function	Entry Point

ntdll.dll

PI	Ordinal ^	Hint	Function	Entry Point
0	N/A	20 (0x0014)	CsrAllocateCaptureBuffer	Not Bound
0	N/A	21 (0x0015)	CsrAllocateMessagePointer	Not Bound
0	N/A	23 (0x0017)	CsrCaptureMessageMultiUnicodeStringsInPlace	Not Bound
0	N/A	24 (0x0018)	CsrCaptureMessageString	Not Bound
0	N/A	26 (0x001A)	CsrClientCallServer	Not Bound
0	N/A	28 (0x001C)	CsrFreeCaptureBuffer	Not Bound
0	N/A	29 (0x001D)	CsrInit	Not Bound
E	Ordinal ^	Hint	Function	Entry Point
0	8 (0x0008)	N/A	N/A	0x0007F110
0	9 (0x0009)	0 (0x0000)	A_SHAFinal	0x00040230
0	10 (0x000A)	1 (0x0001)	A_SHAInit	0x00041060
0	11 (0x000B)	2 (0x0002)	A_SHAUpdate	0x000410A0
0	12 (0x000C)	3 (0x0003)	AlpcAdjustCompletionListConcurrencyCount	0x000E0740
0	13 (0x000D)	4 (0x0004)	AlpcFreeCompletionListMessage	0x00070620

Őszintén nem sok mindent értek belőle és mivel otthoni feladat volt ezért még annyit se.