

Operációs rendszerek BSc

2. Gyak.

2022. 02. 15.

Készítette:

Pócsi Ákos Bsc
Gazdaságinformatika
ITUCXP

Miskolc, 2022

1. feladat

a.) Hozza létre a következő mappa szerkezetet!

```
Parancssor
Microsoft Windows [Version 10.0.19043.1466]
(c) Microsoft Corporation. Minden jog fenntartva.

C:\Users\pocsi>mkdir ITUCXP
C:\Users\pocsi>cd ITUCXP
C:\Users\pocsi\ITUCXP>mkdir bokor
C:\Users\pocsi\ITUCXP>cd bokor
C:\Users\pocsi\ITUCXP\bokor>mkdir banan mogyoro barack
C:\Users\pocsi\ITUCXP\bokor>cd..
C:\Users\pocsi\ITUCXP>mkdir fa
C:\Users\pocsi\ITUCXP>cd fa
C:\Users\pocsi\ITUCXP\fa>mkdir korte
C:\Users\pocsi\ITUCXP\fa>cd..
C:\Users\pocsi\ITUCXP>mkdir land
C:\Users\pocsi\ITUCXP>cd land
C:\Users\pocsi\ITUCXP\land>mkdir szeder kokusz
C:\Users\pocsi\ITUCXP\land>
```

b.) Készítsen másolatot:

-a neptunkod/ land/szeder katalógusról a neptunkod/fa katalógusba

-a neptunkod /bokor/banan katalógusról a neptunkod /fa katalógusba

```
Administrator: Parancssor
Microsoft Windows [Version 10.0.19043.1466]
(c) Microsoft Corporation. Minden jog fenntartva.

C:\Windows\system32>cd..
C:\Windows>cd..
C:\>Xcopy C:\Users\pocsi\ITUCXP\land\* C:\Users\pocsi\ITUCXP\fa
0 File(s) copied
C:\>Xcopy C:\Users\pocsi\ITUCXP\land\szeder C:\Users\pocsi\ITUCXP\fa
0 File(s) copied
C:\>Xcopy C:\Users\pocsi\ITUCXP\bokor\banan C:\Users\pocsi\ITUCXP\fa
0 File(s) copied
C:\>
```

c.) Végezze el a következő áthelyezéseket:

- a neptunkod /bokor/barack katalógust helyezze át a neptunkod /fa katalógusba
- a neptunkod /land /kokusz katalógust helyezze át a neptunkod/fa katalógusba

```
C:\>Xcopy C:\Users\pocsi\ITUCXP\bokor\barack C:\Users\pocsi\ITUCXP\fa
0 File(s) copied

C:\>Xcopy C:\Users\pocsi\ITUCXP\land\kokusz C:\Users\pocsi\ITUCXP\fa
0 File(s) copied
```

d.) Törölje a neptunkod/land katalógust a teljes tartalmával. Hozza létre a következő szöveges állományokat:

- neptunkod/bokor/banan/ leiras.txt
- neptunkod/tree/felsorolas.txt

```
C:\Users\pocsi\ITUCXP\bokor\banan>copy con leiras.txt
^Z
1 file(s) copied.

C:\Users\pocsi\ITUCXP\bokor\banan>cd..

C:\Users\pocsi\ITUCXP\bokor>cd fa
A rendszer nem találja a megadott elérési utat.

C:\Users\pocsi\ITUCXP\bokor>cd..

C:\Users\pocsi\ITUCXP>cd fa

C:\Users\pocsi\ITUCXP\fa>copy con felsorolas.txt
^Z
1 file(s) copied.
```

e.) A leiras.txt szöveges állományba írjon 3 sort a barackról. A felsorolas szöveges állományba soroljon fel legalább 5 csoporttársa nevét.

```
C:\Users\pocsi\ITUCXP\bokor\banan>copy con leiras.txt
Az őszibarack vagy őszibarackfa (Prunus persica) a rózsafélék (Rosaceae) családjába és a Prunus nemzetségbe tartozó gyümölcsfa. Legközelebbi rokona a mandula, távolabbi rokonai a szilva és a kajszibarack.^Z
Overwrite leiras.txt? (Yes/No/All): Y
1 file(s) copied.

C:\Users\pocsi\ITUCXP\bokor\banan>cd..

C:\Users\pocsi\ITUCXP\bokor>cd...

C:\Users\pocsi\ITUCXP\bokor>cd..

C:\Users\pocsi\ITUCXP>cd fa

C:\Users\pocsi\ITUCXP\fa>copy con felsorolas.txt
Kis Béla,Nagy Tamás,Kovács Ágnes,Soros Ádám,Nagy Lajos
Overwrite felsorolas.txt? (Yes/No/All): Y
^Z
1 file(s) copied.
```

f.) Listázza a neptunkod mappa tartalmát úgy, hogy megjelenjen az almappák tartalma is

```
C:\Users\pocsi>dir /s ITUCXP
Volume in drive C has no label.
Volume Serial Number is D43E-37CF

Directory of C:\Users\pocsi\ITUCXP

2022. 02. 21.  17:00    <DIR>        .
2022. 02. 21.  17:00    <DIR>        ..
2022. 02. 15.  13:53    <DIR>        bokor
2022. 02. 21.  17:06    <DIR>        fa
                0 File(s)                0 bytes

Directory of C:\Users\pocsi\ITUCXP\bokor

2022. 02. 15.  13:53    <DIR>        .
2022. 02. 15.  13:53    <DIR>        ..
2022. 02. 21.  17:03    <DIR>        banan
2022. 02. 15.  13:53    <DIR>        barack
2022. 02. 15.  13:53    <DIR>        mogyoro
                0 File(s)                0 bytes

Directory of C:\Users\pocsi\ITUCXP\bokor\banan

2022. 02. 21.  17:03    <DIR>        .
2022. 02. 21.  17:03    <DIR>        ..
2022. 02. 21.  17:11    <FILE>        204 leiras.txt
                1 File(s)                204 bytes

Directory of C:\Users\pocsi\ITUCXP\bokor\barack

2022. 02. 15.  13:53    <DIR>        .
2022. 02. 15.  13:53    <DIR>        ..
                0 File(s)                0 bytes

Directory of C:\Users\pocsi\ITUCXP\bokor\mogyoro

2022. 02. 15.  13:53    <DIR>        .
2022. 02. 15.  13:53    <DIR>        ..
                0 File(s)                0 bytes
```

```
Directory of C:\Users\pocsi\ITUCXP\fa

2022. 02. 21.  17:06    <DIR>        .
2022. 02. 21.  17:06    <DIR>        ..
2022. 02. 21.  17:13    <FILE>        56 felsorolas.txt
2022. 02. 15.  13:54    <DIR>        kokusz
2022. 02. 15.  13:53    <DIR>        korte
2022. 02. 15.  13:54    <DIR>        szeder
                1 File(s)                56 bytes

Directory of C:\Users\pocsi\ITUCXP\fa\kokusz

2022. 02. 15.  13:54    <DIR>        .
2022. 02. 15.  13:54    <DIR>        ..
                0 File(s)                0 bytes

Directory of C:\Users\pocsi\ITUCXP\fa\korte

2022. 02. 15.  13:53    <DIR>        .
2022. 02. 15.  13:53    <DIR>        ..
                0 File(s)                0 bytes

Directory of C:\Users\pocsi\ITUCXP\fa\szeder

2022. 02. 15.  13:54    <DIR>        .
2022. 02. 15.  13:54    <DIR>        ..
                0 File(s)                0 bytes

Total Files Listed:
      2 File(s)                260 bytes
     26 Dir(s)   142 331 588 608 bytes free
```

g.) Térjen vissza a gyökérmappába és keresse meg az összes olyan file-t, amelyek nevének második betűje e.

```
C:\Users\pocsi\ITUCXP>dir ?e* /p
Volume in drive C has no label.
Volume Serial Number is D43E-37CF

Directory of C:\Users\pocsi\ITUCXP

File Not Found

C:\Users\pocsi\ITUCXP>
```

h.) Tegye mindenki számára olvashatóvá a felsorolas.txt file-t.

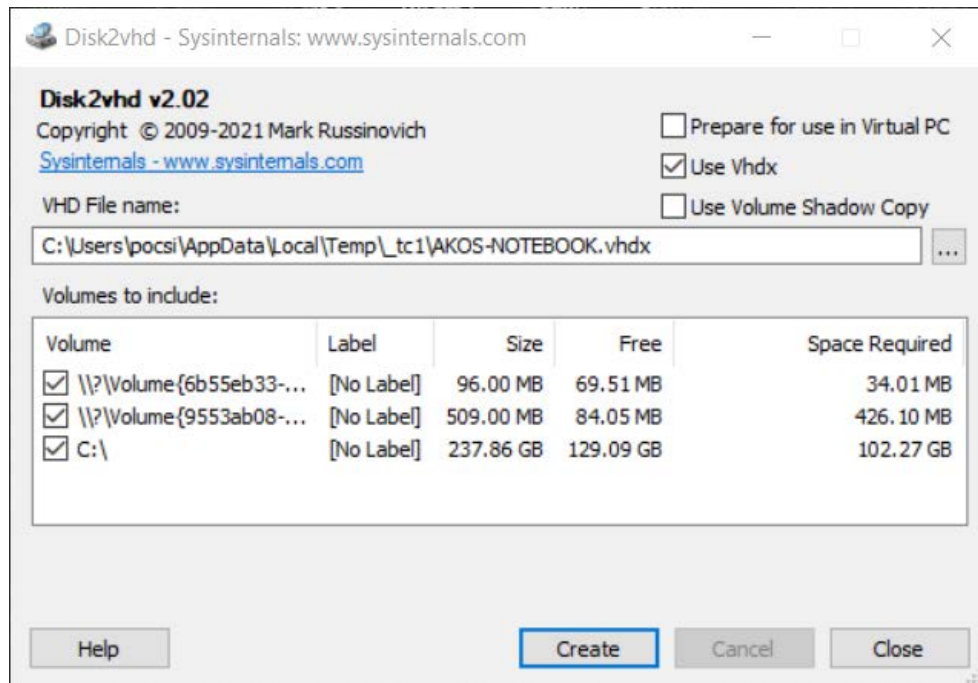
j.) Rendezze ABC-szerint a felsorolas.txt file tartalmát.

```
C:\Users\pocsi\ITUCXP>dir felsorolas.txt /on /p
```

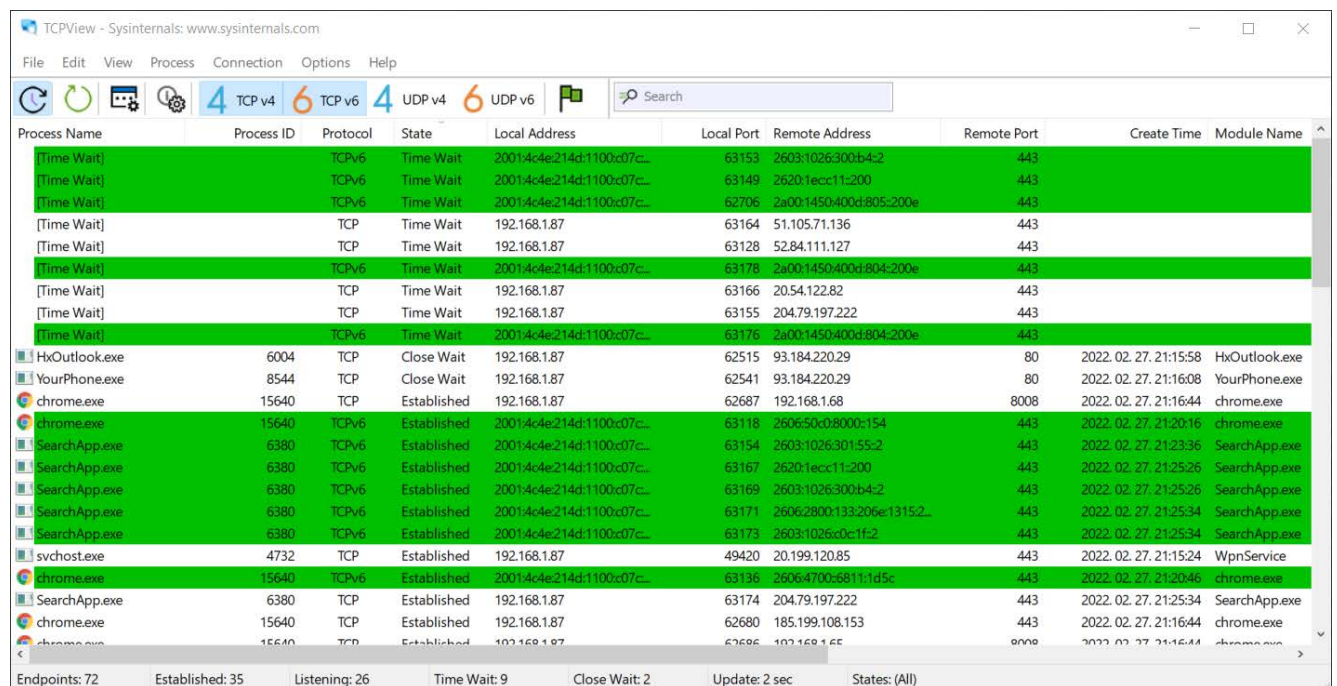

2. feladat

A felsorolt eszközök közül minden eszköz esetén tölts le, és futtassa a programokat

a, Virtuális meghajtót lehet vele létrehozni



b, Megmutatja a TCP 4,6 és UDP 4,6 portok összes adatát.



c, Megmutatja az éppen futó folyamatok adatait

Process Explorer - Sysinternals: www.sysinternals.com [AKOS-NOTEBOOK\pocsi]

File Options View Process Find Users Help

| Process | CPU | Private Bytes | Working Set | PID | Description | Company Name |
|--------------------------|---------|---------------|-------------|-------|---------------------------------|-----------------------|
| Secure System | Susp... | 184 K | 22 540 K | 72 | | |
| Registry | | 13 332 K | 52 244 K | 128 | | |
| System Idle Process | 86.68 | 60 K | 8 K | 0 | | |
| System | <0.01 | 196 K | 96 K | 4 | | |
| Interrupts | 0.38 | 0 K | 0 K | n/a | Hardware Interrupts and DPCs | |
| smss.exe | | 1 080 K | 988 K | 480 | | |
| Memory Compression | <0.01 | 856 K | 210 764 K | 3412 | | |
| csrss.exe | | 2 156 K | 4 272 K | 804 | | |
| wininit.exe | | 1 784 K | 4 928 K | 892 | | |
| services.exe | 0.56 | 6 580 K | 10 196 K | 964 | | |
| svchost.exe | | 17 484 K | 31 272 K | 1092 | Windows-szolgáltatások gaz... | Microsoft Corporation |
| dllhost.exe | | 3 528 K | 8 068 K | 6492 | | |
| unsecapp.exe | | 1 784 K | 6 580 K | 9056 | | |
| MoUsocoreWorker.exe | | 33 304 K | 43 544 K | 2852 | | |
| StartMenuExperienceHo... | | 44 380 K | 87 600 K | 10264 | | |
| SettingSyncHost.exe | | 3 332 K | 7 304 K | 12712 | Host Process for Setting Syn... | Microsoft Corporation |
| RuntimeBroker.exe | | 5 916 K | 24 796 K | 14943 | Runtime Broker | Microsoft Corporation |
| SearchApp.exe | Susp... | 184 632 K | 107 232 K | 6380 | Search application | Microsoft Corporation |
| RuntimeBroker.exe | | 19 752 K | 57 008 K | 11563 | Runtime Broker | Microsoft Corporation |
| YourPhone.exe | Susp... | 49 200 K | 2 528 K | 8544 | | Microsoft Corporation |
| TextInputHost.exe | | 29 256 K | 61 008 K | 12812 | | Microsoft Corporation |
| RuntimeBroker.exe | | 5 344 K | 27 128 K | 8168 | Runtime Broker | Microsoft Corporation |
| WmiPvSE.exe | | 2 912 K | 10 920 K | 2700 | | |
| igfxextN.exe | | 3 052 K | 11 564 K | 12744 | igfxext Module | Intel Corporation |
| RuntimeBroker.exe | | 4 596 K | 27 564 K | 8272 | Runtime Broker | Microsoft Corporation |
| IGCC.exe | | 36 240 K | 72 532 K | 14272 | IGCC | Intel Corporation |
| Cortana.exe | | 47 756 K | 94 576 K | 15032 | Cortana | Microsoft Corporation |
| RuntimeBroker.exe | | 4 676 K | 28 616 K | 5532 | Runtime Broker | Microsoft Corporation |
| Win32Bridge.Server... | | 9 100 K | 27 320 K | 7244 | Cortana System Service | Microsoft Corporation |
| SystemSettings.exe | Susp... | 42 248 K | 2 904 K | 10632 | Gépház | Microsoft Corporation |

CPU Usage: 12.38% Commit Charge: 61.05% Processes: 224 Physical Usage: 68.93%

Process Monitor - Sysinternals: www.sysinternals.com

File Edit Event Filter Tools Options Help

| Time o... | Process Name | PID | Operation | Path | Result | Detail |
|-------------|--------------|------|------------------|--|----------------|-------------------------|
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\winsqlite3.dll | SUCCESS | Offset 864 256, Len... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\winsqlite3.dll | SUCCESS | Offset 799 232, Len... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\winsqlite3.dll | SUCCESS | Offset 851 968, Len... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\winsqlite3.dll | SUCCESS | Offset 786 944, Len... |
| 21:27:14... | lsass.exe | 992 | ReadFile | C:\Windows\System32\lsasrv.dll | SUCCESS | Offset 1 607 680, Le... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdp.dll | SUCCESS | Offset 4 069 376, Le... |
| 21:27:14... | lsass.exe | 992 | ReadFile | C:\Windows\System32\lsasrv.dll | SUCCESS | Offset 1 591 296, Le... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdp.dll | SUCCESS | Offset 4 597 240, Le... |
| 21:27:14... | lsass.exe | 992 | ReadFile | C:\Windows\System32\lsasrv.dll | SUCCESS | Offset 1 505 792, Le... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdp.dll | SUCCESS | Offset 4 048 896, Le... |
| 21:27:14... | lsass.exe | 992 | ReadFile | C:\Windows\System32\lsasrv.dll | SUCCESS | Offset 1 579 008, Le... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdp.dll | SUCCESS | Offset 4 032 512, Le... |
| 21:27:14... | lsass.exe | 992 | ReadFile | C:\Windows\System32\lsasrv.dll | SUCCESS | Offset 1 489 408, Le... |
| 21:27:14... | Explorer.EXE | 3592 | ReadFile | C:\Windows\System32\shlwapi.dll | SUCCESS | Offset 312 832, Len... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdpusersvc.dll | SUCCESS | Offset 468 992, Len... |
| 21:27:14... | lsass.exe | 992 | QueryNameInfo... | C:\Users\pocsi\AppData\Local\Temp\T... | SUCCESS | Name: \Users\poc... |
| 21:27:14... | lsass.exe | 992 | QueryNameInfo... | C:\Users\pocsi\AppData\Local\Temp\T... | SUCCESS | Name: \Users\poc... |
| 21:27:14... | Explorer.EXE | 3592 | ReadFile | C:\Windows\System32\shlwapi.dll | SUCCESS | Offset 253 440, Len... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdpusersvc.dll | SUCCESS | Offset 460 800, Len... |
| 21:27:14... | Explorer.EXE | 3592 | ReadFile | C:\Windows\System32\windows.storage... | SUCCESS | Offset 6 844 928, Le... |
| 21:27:14... | svchost.exe | 6844 | ReadFile | C:\Windows\System32\cdpusersvc.dll | SUCCESS | Offset 403 456, Len... |
| 21:27:14... | svchost.exe | 6844 | LockFile | C:\Users\pocsi\AppData\Local\Connect... | SUCCESS | Exclusive: False, Of... |
| 21:27:14... | svchost.exe | 6844 | UnlockFileSingle | C:\Users\pocsi\AppData\Local\Connect... | SUCCESS | Offset 124, Length: 1 |
| 21:27:14... | Explorer.EXE | 3592 | ReadFile | C:\Windows\System32\windows.storage... | SUCCESS | Offset 6 910 464, Le... |
| 21:27:14... | svchost.exe | 6844 | LockFile | C:\Users\pocsi\AppData\Local\Connect... | SUCCESS | Exclusive: False, Of... |
| 21:27:14... | Explorer.EXE | 3592 | RegQueryValue | HKCU\Software\Classes | SUCCESS | Query: Name |
| 21:27:14... | Explorer.EXE | 3592 | RegQueryValue | HKCU\Software\Classes | SUCCESS | Query: HandleTag... |
| 21:27:14... | Explorer.EXE | 3592 | RegQueryValue | HKCU\Software\Classes | SUCCESS | Query: HandleTag... |
| 21:27:14... | Explorer.EXE | 3592 | RegOpenKey | HKCU\Software\Classes\Applications\Pr... | NAME NOT FOUND | Desired Access: R... |
| 21:27:14... | Explorer.EXE | 3592 | RegOpenKey | HKCR\Applications\Procmon64.exe | NAME NOT FOUND | Desired Access: R... |
| 21:27:14... | Explorer.EXE | 3592 | RegQueryValue | HKCU\Software\Classes | SUCCESS | Query: Name |
| 21:27:14... | Explorer.EXE | 3592 | RegQueryValue | HKCU\Software\Classes | SUCCESS | Query: HandleTag... |

Showing 84 731 of 445 689 events (19%) Backed by virtual memory

Autoruns - Sysinternals: www.sysinternals.com

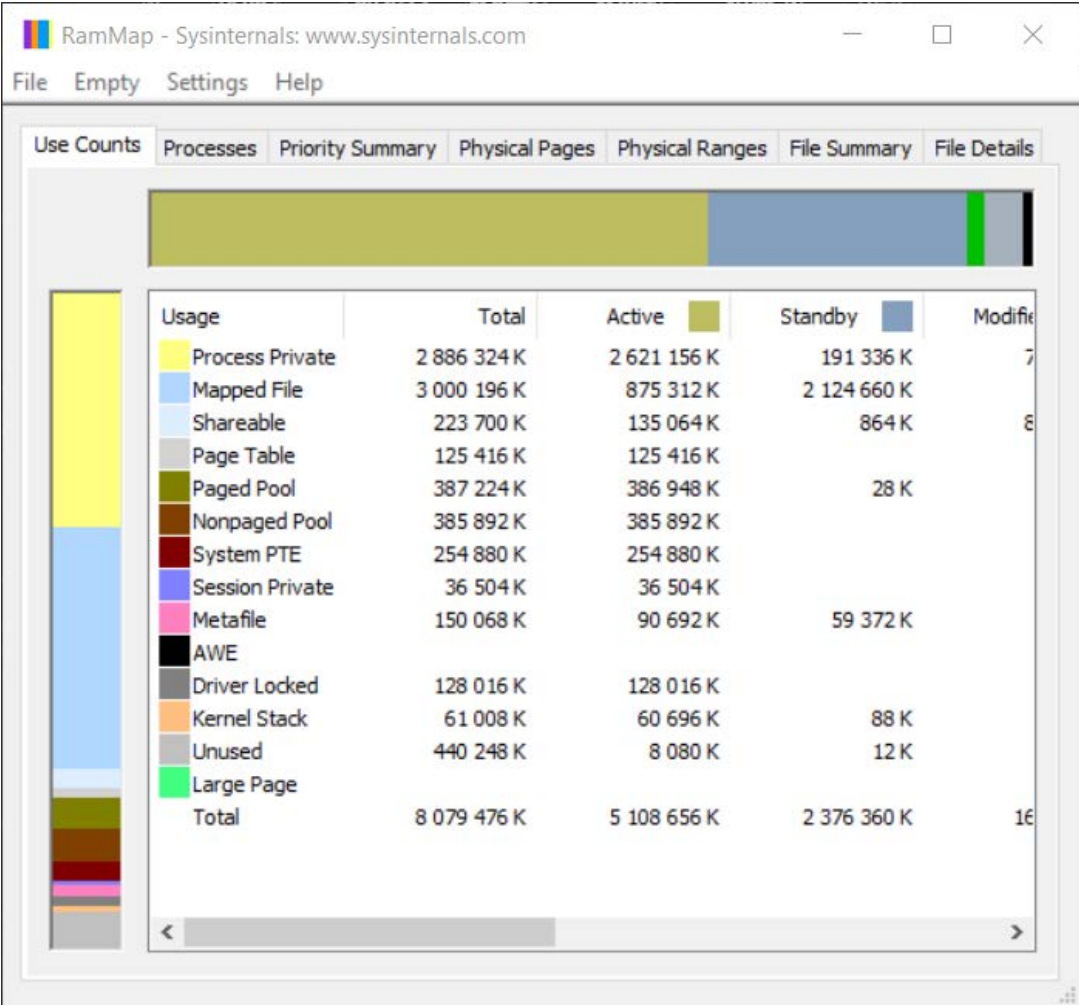
File Search Entry Options Category Help

Quick Filter

| Autoruns Entry | Description | Publisher | Image Path |
|--|-------------------------------|---|---|
| Logon | | | |
| HKCU\SOFTWARE\Microsoft\Windows\CurrentVersion\Run | | | |
| <input checked="" type="checkbox"/> com.squirrel.Teams.Teams | Microsoft Teams | (Verified) Microsoft 3rd Party Appli... | C:\Users\pocsi\AppData\Local\Microsoft\Teams\Upd... |
| <input checked="" type="checkbox"/> DAEMON Tools Ultra Automount | DAEMON Tools Ultra Agent | (Verified) SIA A/B Disc Soft | C:\Program Files\DAEMON Tools Ultra\DTAgent.exe |
| <input checked="" type="checkbox"/> OneDrive | Microsoft OneDrive | (Verified) Microsoft Corporation | C:\Program Files\Microsoft OneDrive\OneDrive.exe |
| <input checked="" type="checkbox"/> Screenpresso | Screenpresso | (Verified) Learnpulse | C:\Users\pocsi\AppData\Local\Learnpulse\Screenpres... |
| <input checked="" type="checkbox"/> ut | µTorrent | (Verified) BitTorrent Inc | C:\Users\pocsi\AppData\Roaming\µTorrent\µTorrent... |
| HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run | | | |
| <input checked="" type="checkbox"/> AdobeAAMUpdater-1.0 | Adobe Updater Startup Utility | (Verified) Adobe Systems Corpora... | C:\Program Files (x86)\Common Files\Adobe\OOBE\F... |
| <input checked="" type="checkbox"/> AdobeGCInvoker-1.0 | Adobe GC Invoker Utility | (Verified) Adobe Inc. | C:\Program Files (x86)\Common Files\Adobe\AdobeC... |
| HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce | | | |
| <input checked="" type="checkbox"/> Delete Cached Standalone Update Binary | Windows Command Processor | (Verified) Microsoft Windows | C:\Windows\system32\cmd.exe |
| <input checked="" type="checkbox"/> Delete Cached Update Binary | Windows Command Processor | (Verified) Microsoft Windows | C:\Windows\system32\cmd.exe |
| HKLM\SYSTEM\CurrentControlSet\Control\SafeBoot\AlternateShell | | | |

Scanning Scheduled Tasks... Done Press ESC to Cancel

d, RAM adatainak listázása



3. feladat
Töltse le a következő programot: Dependency Walker

