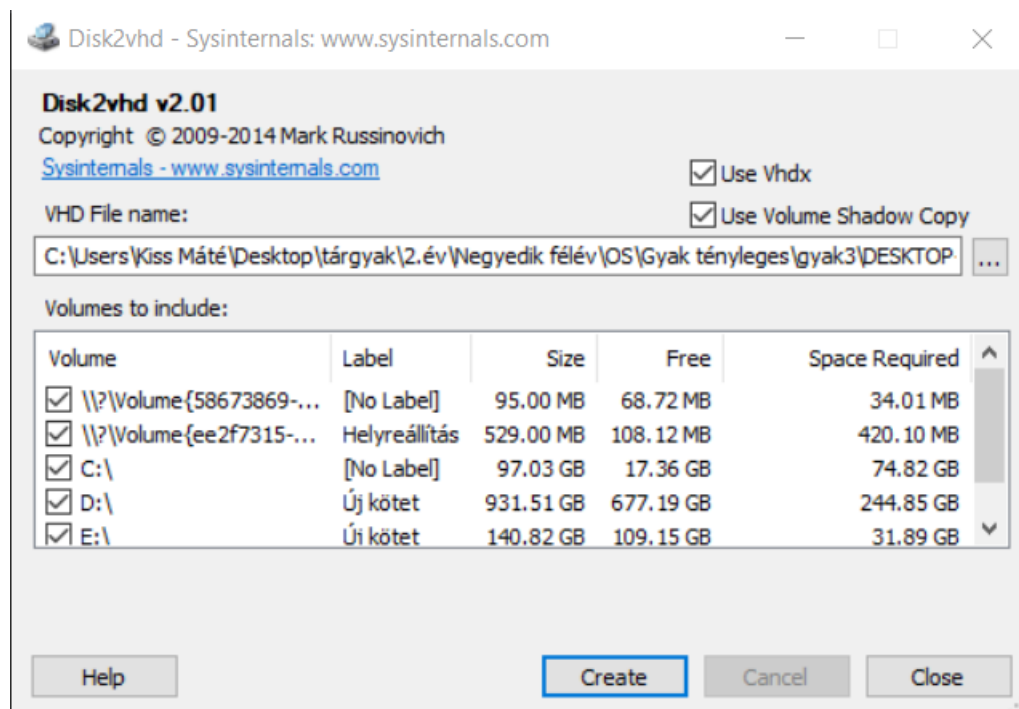


a, File and Disk Utilities (Disk2vhd) : A program felméri a számítógép merevlemezének partícióinak állapotát .



b, Networking Utilities (TCPView) : A számítógépen lévő alkalmazások melyek hozzáférnek az internethez mutatja meg a port használatát valamint egyéni azonosítóját a programnak.

Process	PID	Protocol	Local Address	Local Port	R
[System Proc...	0	TCP	desktop-rrv0ukc	54248	20
[System Proc...	0	TCP	desktop-rrv0ukc	54289	91
[System Proc...	0	TCP	desktop-rrv0ukc	54319	95
[System Proc...	0	TCP	desktop-rrv0ukc	54322	18
[System Proc...	0	TCP	desktop-rrv0ukc	54335	94
[System Proc...	0	TCP	desktop-rrv0ukc	54352	de
[System Proc...	0	TCP	desktop-rrv0ukc	54362	20
[System Proc...	0	TCP	desktop-rrv0ukc	54371	86
[System Proc...	0	TCP	desktop-rrv0ukc	54389	86
[System Proc...	0	TCP	desktop-rrv0ukc	54435	87
[System Proc...	0	TCP	desktop-rrv0ukc	54438	80
[System Proc...	0	TCP	desktop-rrv0ukc	54443	84
[System Proc...	0	TCP	desktop-rrv0ukc	54445	95
[System Proc...	0	TCP	desktop-rrv0ukc	54446	81
[System Proc...	0	TCP	desktop-rrv0ukc	54353	51
[System Proc...	0	TCP	desktop-rrv0ukc	54483	81
[System Proc...	0	TCP	desktop-rrv0ukc	54497	14
[System Proc...	0	TCP	desktop-rrv0ukc	54500	18
chrome.exe	2236	TCP	desktop-rrv0ukc	52881	77
chrome.exe	2236	TCP	desktop-rrv0ukc	52888	18
chrome.exe	2236	TCP	desktop-rrv0ukc	52897	14
chrome.exe	2236	TCP	desktop-rrv0ukc	54227	17
chrome.exe	20040	UDP	DESKTOP-RRV0...	5353	*
chrome.exe	20040	UDP	DESKTOP-RRV0...	5353	*
chrome.exe	2236	UDP	DESKTOP-RRV0...	64601	*

Endpoints: 184 Established: 26 Listening: 36 Time Wait: 18 Close Wait: 1

c, Process Utilities (Process Explorer) : A program a számítógépen futó processzek-et mutatja meg ,

azon belül a processz egyéni azonosítóját és a erőforrásfelhasználását .

Process Explorer - Sysinternals: www.sysinternals.com [DESKTOP-RRV0UKC\Kiss Máté]

File Options View Process Find Users Help

Process	CPU	Private Bytes	Working Set	PID	Description	Company Name
Registry		9 224 K	43 280 K	120		
System Idle Process	84.89	60 K	8 K	0		
System	0.49	196 K	20 K	4		
Interrupts	0.58	0 K	0 K	n/a	Hardware Interrupts and DPCs	
smss.exe		1 160 K	392 K	436		
Memory Compression	0.01	1 548 K	451 388 K	2340		
csrss.exe		2 120 K	2 056 K	684		
wininit.exe		1 908 K	2 044 K	784		
services.exe	0.01	6 476 K	6 388 K	856		
svchost.exe		932 K	1 032 K	84	Windows-szolgáltatások gaz...	Microsoft Corporation
svchost.exe	< 0.01	22 488 K	28 876 K	492	Windows-szolgáltatások gaz...	Microsoft Corporation
dllhost.exe		3 416 K	4 200 K	7972		
usocoreworker.exe		151 364 K	21 920 K	11784		
SettingSyncHost.exe		5 196 K	12 700 K	13660	Host Process for Setting Syn...	Microsoft Corporation
StartMenuExperienceHo...		26 252 K	52 580 K	10116		
RuntimeBroker.exe		6 156 K	21 556 K	16452	Runtime Broker	Microsoft Corporation
SearchUI.exe	Susp...	180 564 K	85 188 K	16628	Search and Cortana applicati...	Microsoft Corporation
RuntimeBroker.exe		11 596 K	32 628 K	14992	Runtime Broker	Microsoft Corporation
YourPhone.exe	Susp...	25 332 K	748 K	14192	YourPhone	Microsoft Corporation
LockApp.exe	Susp...	13 088 K	33 952 K	6612	LockApp.exe	Microsoft Corporation
RuntimeBroker.exe		8 656 K	23 948 K	10936	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		5 120 K	22 864 K	18760	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		2 764 K	11 484 K	21352	Runtime Broker	Microsoft Corporation
dllhost.exe		12 836 K	20 392 K	12100	COM Surrogate	Microsoft Corporation
IGCC.exe		15 908 K	31 492 K	8032	IGCC	Intel Corporation
RuntimeBroker.exe		2 220 K	7 476 K	4596	Runtime Broker	Microsoft Corporation
ApplicationFrameHoste...		23 244 K	34 752 K	16824	Application Frame Host	Microsoft Corporation
SystemSettings.exe	Susp...	22 428 K	552 K	16108	Gépház	Microsoft Corporation
Microsoft.Photos.exe	Susp...	49 688 K	880 K	13172		
RuntimeBroker.exe		10 116 K	24 800 K	11672	Runtime Broker	Microsoft Corporation

CPU Usage: 15.11% Commit Charge: 59.29% Processes: 239 Physical Usage: 84.63%

d,) Security Utilities (LogonSession) : A számítógépen logolja hogy mikor jelentkezünk be a tálcára

Kijelölés C:\Users\Kiss Máté\Desktop\tárgyak\2.év\Negyedik félév\OS\Gyak tényleges\gyak3\logonsessions.exe

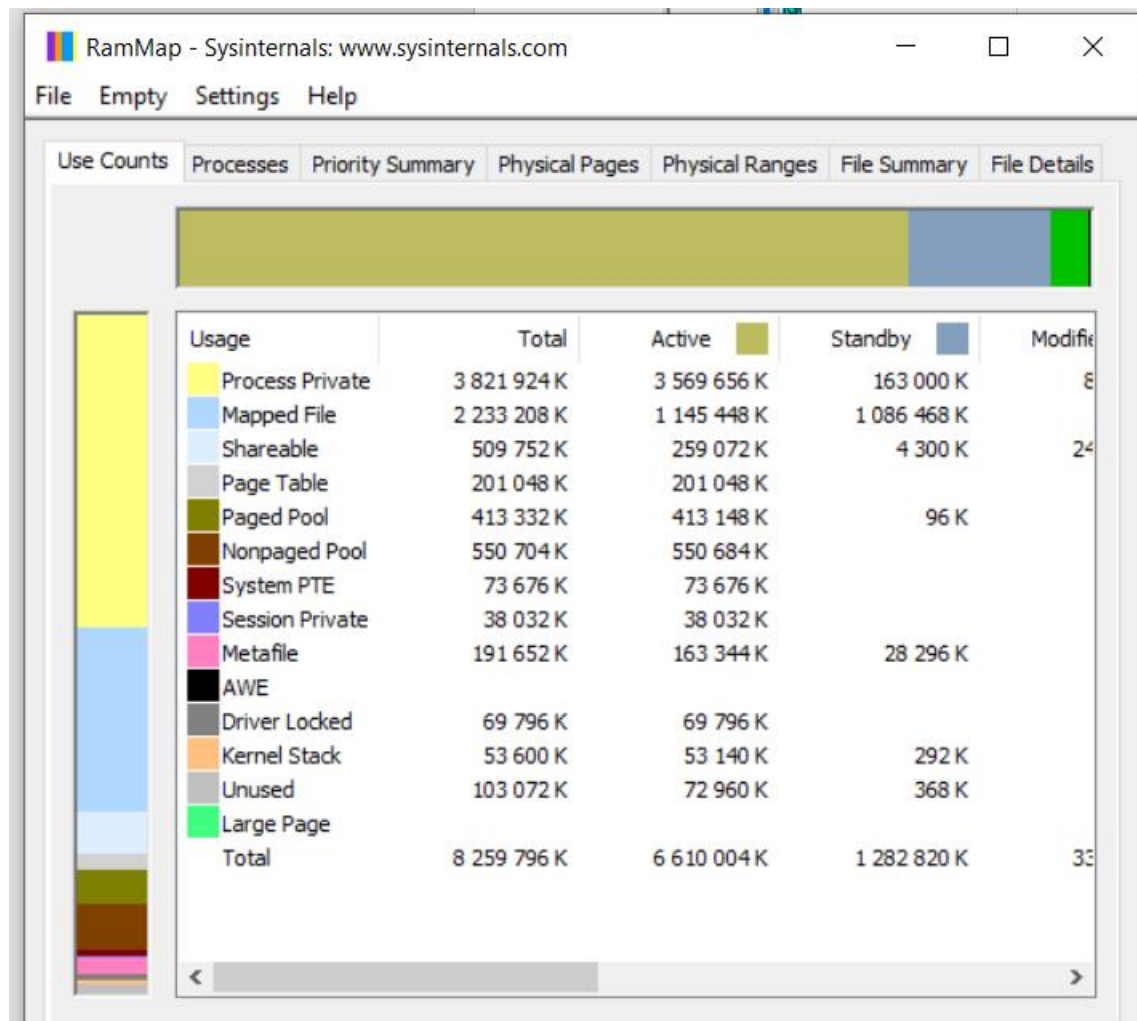
LogonSessions v1.41 - Lists logon session information
Copyright (C) 2004-2020 Mark Russinovich
Sysinternals - www.sysinternals.com

```
[0] Logon session 00000000:000003e7:
  User name: WORKGROUP\DESKTOP-RRV0UKC$
  Auth package: NTLM
  Logon type: (none)
  Session: 0
  Sid: S-1-5-18
  Logon time: 2021. 02. 13. 12:36:25
  Logon server:
  DNS Domain:
  UPN:

[1] Logon session 00000000:000133a4:
  User name:
  Auth package: NTLM
  Logon type: (none)
  Session: 0
  Sid: (none)
  Logon time: 2021. 02. 13. 12:36:25
  Logon server:
  DNS Domain:
  UPN:

[2] Logon session 00000000:000137d8:
  User name: Font Driver Host\UMFD-0
```

e, Information Utilities (RAMMap) : Az mutatja meg a program hogy a számítógépen futó processzek és programok mennyi RAM ot használnak fel az adott folyamathoz.



f, szabadon választott: CPUSTRES : A program a cpu állapotát mutatja meg ,4 szálon nézhetjük meg.

CPU Stress (PID: 9240) - Sysinternals: www.sysinternals.com

File Process Thread Options Help

Process Affinity: 11111111
Process Priority Class: Normal

#	ID	Active?	Activity	Priority	Ideal CPU	Affinity
1	16540	Yes	Low	Normal	7	11111111
2	16684		Low	Normal	0	11111111
3	15344		Low	Normal	2	11111111
4	11768		Low	Normal	4	11111111

3.

Az AIDA64 a számítógép vezérléshez használható program .Fel lehet mérni vele a számítógép elemeit illetve tesztelni is lehet vele .

The screenshot displays the AIDA64 Engineer application window. The title bar reads "64 AIDA64 Engineer [TRIAL VERSION]". The menu bar includes "Fájl", "Nézet", "Riport", "Kedvencek", "Eszközök", and "Súgó". Below the menu bar is a toolbar with icons for navigation and reporting. The main window is divided into three panes:

- Left Pane (Menu):** A tree view showing the system hierarchy. The "CPU" item under "Alaplap" is selected.
- Middle Pane (Mező):** A list of system components and their values. The "CPU tulajdonságai" (CPU Properties) section is expanded, showing details about the Intel Core i5-8300H processor, including its type, alias, stepping, and cache sizes.
- Right Pane (Érték):** The corresponding values for the selected items, such as "QuadCore Intel Core i5-8300H, 3900 MHz (39 x 100)" for the CPU type.

The "CPU tulajdonságai" section lists the following properties and values:

- CPU típusa: QuadCore Intel Core i5-8300H, 3900 MHz (39 x 100)
- CPU alias: Coffee Lake-H
- CPU stepping: U0
- Utasításkészlet: x86, x86-64, MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX...
- Eredeti órajel: [TRIAL VERSION]
- Min / Max CPU szorzó: 8x / 23x
- Engineering Sample: Nem
- L1 kód gyorsítótár: 32 KB per core
- L1 adat gyorsítótár: [TRIAL VERSION]
- L2 gyorsítótár: 256 KB per core (On-Die, ECC, Full-Speed)
- L3 gyorsítótár: 8 MB (On-Die, ECC, Full-Speed)

Below the CPU properties, the "CPU gyártó" (CPU Manufacturer) section shows "Intel Corporation" and provides links to the Intel website and the AIDA64 website for updates.

The "Multi CPU" section lists the processor details for each of the 8 cores, all identified as "Intel(R) Core(TM) i5-8300H CPU @ 2.30GHz, 2304 MHz".

At the bottom of the window, the "CPU kihasználtság" (CPU Usage) section is visible, showing a graph and a percentage value.