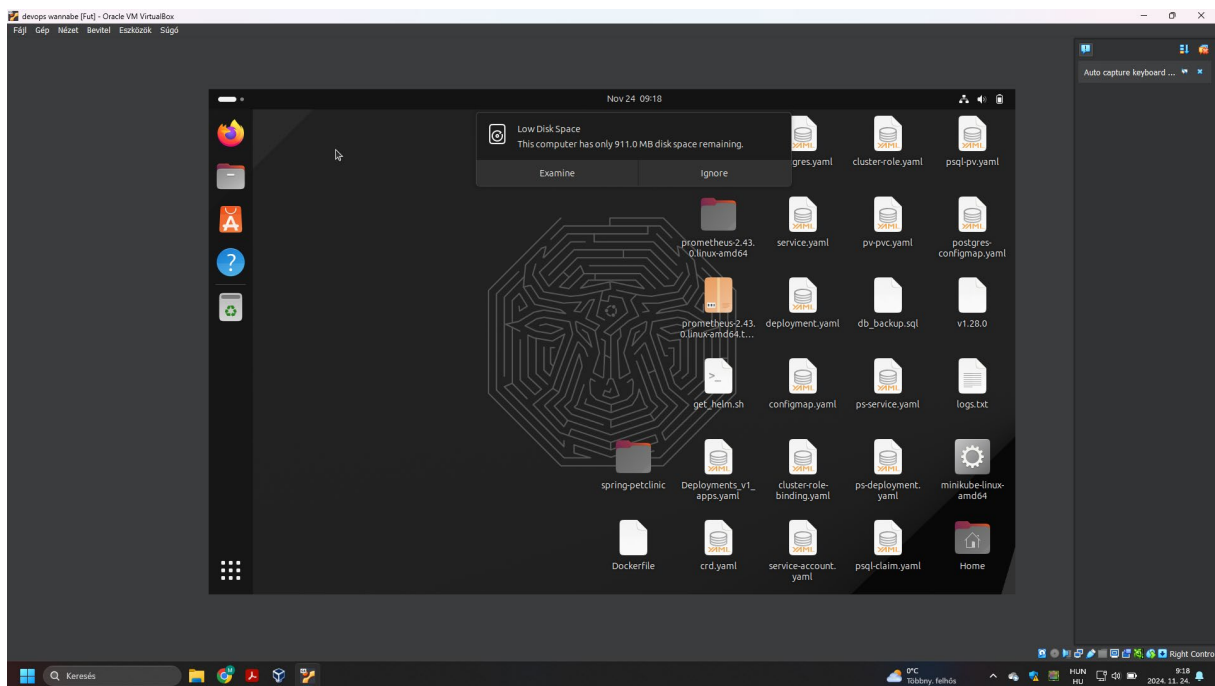
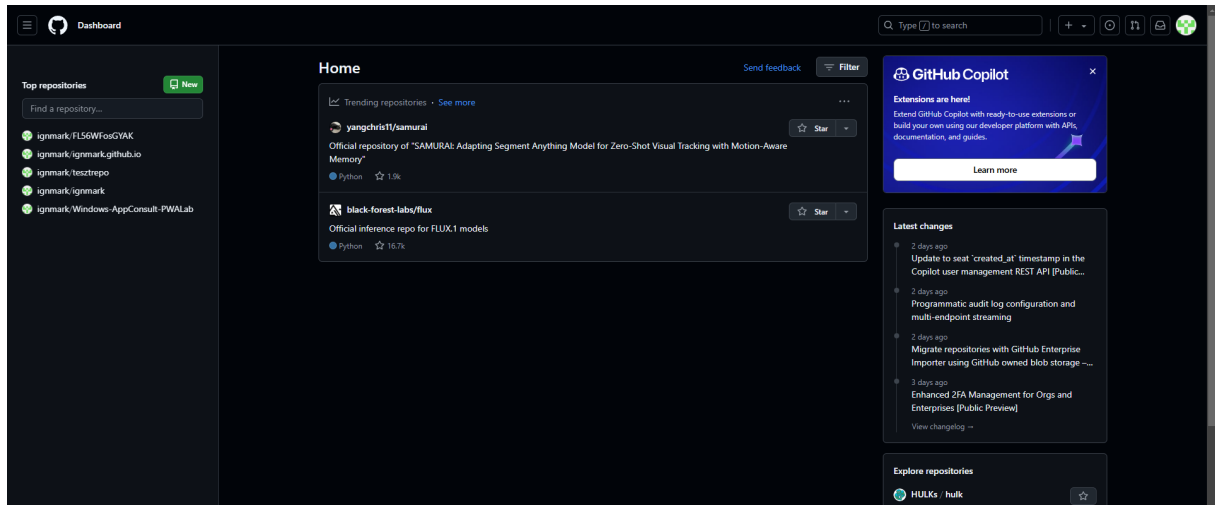


3. feladat:

<https://github.com/ignmark/FL56WFosGYAK>



4. feladat:

a:

cloneozni szeretné a teljes meghajtót, amihez nincs elég helye

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 Packets
svchost.exe	3372	TCP	Listen	0.0.0.0	135	0.0.0.0	0	2024.11.24.9:09:36	RpcSs	
System	4	TCP	Listen	169.254.48.251	139	0.0.0.0	0	2024.11.24.9:09:39	System	
System	4	TCP	Listen	169.254.127.7	139	0.0.0.0	0	2024.11.24.9:09:39	System	
System	4	TCP	Listen	192.168.0.127	139	0.0.0.0	0	2024.11.24.9:09:51	System	
System	4	TCP	Listen	192.168.59.1	139	0.0.0.0	0	2024.11.24.9:09:33	System	
OneApp.IGCC.WinSer...	6584	TCP	Listen	0.0.0.0	808	0.0.0.0	0	2024.11.24.9:09:39	igccservice	
svchost.exe	10396	TCP	Listen	0.0.0.0	5040	0.0.0.0	0	2024.11.24.9:09:46	CDPSvc	
lghub_agent.exe	9336	TCP	Established	127.0.0.1	9010	127.0.0.1	49772	2024.11.24.9:10:09	lghub_agent.exe	
lghub_agent.exe	9336	TCP	Listen	127.0.0.1	9010	0.0.0.0	0	2024.11.24.9:10:08	lghub_agent.exe	
lghub_agent.exe	9336	TCP	Listen	127.0.0.1	9080	0.0.0.0	0	2024.11.24.9:10:06	lghub_agent.exe	
lghub_updater.exe	6912	TCP	Established	127.0.0.1	9100	127.0.0.1	49764	2024.11.24.9:10:08	LGHUBUpdaterService	
lghub_updater.exe	6912	TCP	Listen	127.0.0.1	9100	0.0.0.0	0	2024.11.24.9:09:39	LGHUBUpdaterService	
lghub_updater.exe	6912	TCP	Listen	127.0.0.1	9180	0.0.0.0	0	2024.11.24.9:09:39	LGHUBUpdaterService	
steam.exe	7252	TCP	Listen	0.0.0.0	27036	0.0.0.0	0	2024.11.24.9:10:19	steam.exe	
steam.exe	7252	TCP	Listen	127.0.0.1	27060	0.0.0.0	0	2024.11.24.9:10:15	steam.exe	
lghub_agent.exe	9336	TCP	Listen	127.0.0.1	45654	0.0.0.0	0	2024.11.24.9:10:08	lghub_agent.exe	
lsass.exe	3068	TCP	Listen	0.0.0.0	49664	0.0.0.0	0	2024.11.24.9:09:36	lsass.exe	
wininit.exe	2912	TCP	Listen	0.0.0.0	49665	0.0.0.0	0	2024.11.24.9:09:36	wininit.exe	
svchost.exe	4312	TCP	Listen	0.0.0.0	49666	0.0.0.0	0	2024.11.24.9:09:37	Schedule	
svchost.exe	4648	TCP	Listen	0.0.0.0	49667	0.0.0.0	0	2024.11.24.9:09:37	EventLog	
spoolsv.exe	5280	TCP	Listen	0.0.0.0	49668	0.0.0.0	0	2024.11.24.9:09:38	Spooler	
services.exe	2988	TCP	Listen	0.0.0.0	49671	0.0.0.0	0	2024.11.24.9:09:40	services.exe	
svchost.exe	6224	TCP	Established	192.168.0.127	49685	20.199.120.85	443	2024.11.24.9:09:50	WpnService	
nvcontainer.exe	6920	TCP	Established	127.0.0.1	49713	127.0.0.1	65001	2024.11.24.9:10:00	nvcontainer.exe	
NVIDIA Web Helper.exe	11912	TCP	Listen	127.0.0.1	49715	0.0.0.0	0	2024.11.24.9:10:01	NVIDIA Web Helper.exe	
NVIDIA Web Helper.exe	11912	TCP	Established	127.0.0.1	49715	127.0.0.1	49731	2024.11.24.9:10:05	NVIDIA Web Helper.exe	
NVIDIA Share.exe	14004	TCP	Established	127.0.0.1	49731	127.0.0.1	49715	2024.11.24.9:10:05	NVIDIA Share.exe	
lghub_agent.exe	9336	TCP	Established	127.0.0.1	49764	127.0.0.1	9100	2024.11.24.9:10:08	lghub_agent.exe	
lghub_system_tray.exe	9744	TCP	Established	127.0.0.1	49772	127.0.0.1	9010	2024.11.24.9:10:09	lghub_system_tray.exe	
steam.exe	7252	TCP	Established	127.0.0.1	49780	127.0.0.1	49820	2024.11.24.9:10:24	steam.exe	
steam.exe	7252	TCP	Listen	127.0.0.1	49780	0.0.0.0	0	2024.11.24.9:10:15	steam.exe	

Endpoints: 142 Established: 33 Listening: 40 Time Wait: Close Wait: Update: 2 sec States: (All)

C:

Process Monitor - Sysinternals: www.sysinternals.com

File Edit Event Filter Tools Options Help

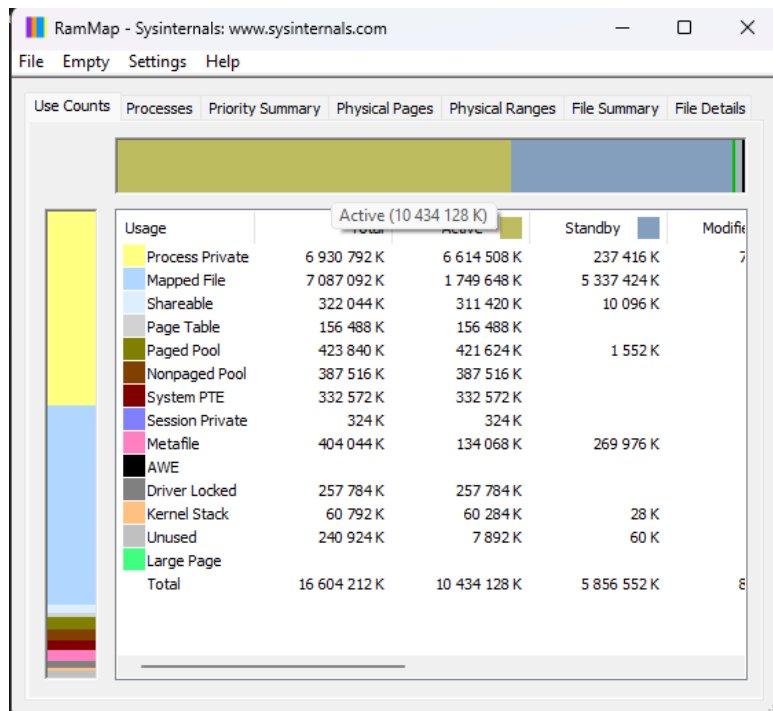
Time	Process Name	PID	Operation	Path	Result	Detail
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{138508bc-1e03-49ea-9...	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	ReadFile	C:\Windows\System32\windows.storag...	SUCCESS	Offset: 8 257 536, ...
9:46:0	Explorer.EXE	6128	ReadFile	C:\Windows\System32\MmCoreR.dll	SUCCESS	Offset: 1 060 864, ...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCR\CLSID\{138508bc-1e03-49ea-9...	SUCCESS	Desired Access: Q...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{138508bc-1e03-49ea-9...	SUCCESS	Query: Name
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{138508bc-1e03-49ea-9...	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCU\Software\Classes\CLSID\{1385...	NAME NOT FOUND	Desired Access: M...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{138508bc-1e03-49ea-9...	NAME NOT FOUND	Length: 16
9:46:0	Explorer.EXE	6128	RegCloseKey	HKCR\CLSID\{138508bc-1e03-49ea-9...	SUCCESS	
9:46:0	Explorer.EXE	6128	RegQueryValue	HKLM\Software\Classes\CLSID\{1385...	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKLM\SOFTWARE\Microsoft\Window...	NAME NOT FOUND	Desired Access: Q...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKLM\Software\Classes\CLSID\{1385...	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKLM\Software\Microsoft\Windows C...	NAME NOT FOUND	Desired Access: R...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKLM\Software\Microsoft\Windows C...	NAME NOT FOUND	Desired Access: R...
9:46:0	Explorer.EXE	6128	ReadFile	C:\Windows\System32\windows.storag...	SUCCESS	Offset: 8 306 688, ...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCU	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	QueryStandard...	C:\Users\Predator\AppData\Local\Micr...	SUCCESS	AllocationSize: 32 ...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCU\Software\Microsoft\Windows C...	NAME NOT FOUND	Desired Access: R...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCU\Software\Classes	SUCCESS	Query: Name
9:46:0	Explorer.EXE	6128	ReadFile	C:\Windows\System32\MmCoreR.dll	SUCCESS	Offset: 987 136, L...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCU\Software\Classes	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCU\Software\Classes\SystemFileAss...	NAME NOT FOUND	Desired Access: Q...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCU\Software\Classes	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCU\Software\Classes\CLSID\{1CF1...	NAME NOT FOUND	Desired Access: R...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCR\CLSID\{1CF1260C-4DD0-4EBB-...	SUCCESS	Desired Access: R...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\SystemFileAssociations\exe	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCR\CLSID\{1CF1260C-4DD0-4ebb-...	NAME NOT FOUND	Desired Access: Q...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{1CF1260C-4DD0-4ebb-...	SUCCESS	Query: Name
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCR\CLSID\{1CF1260C-4DD0-4ebb-...	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCU\Software\Classes\CLSID\{1CF1...	NAME NOT FOUND	Desired Access: M...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\exefile	SUCCESS	Query: Name
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{1CF1260C-4DD0-4ebb-...	NAME NOT FOUND	Length: 16
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\exefile	SUCCESS	Query: HandleTag...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{1CF1260C-4DD0-4ebb-...	SUCCESS	Query: Name
9:46:0	Explorer.EXE	6128	QueryStandard...	C:\Users\Predator\AppData\Local\Micr...	SUCCESS	AllocationSize: 32 ...
9:46:0	Explorer.EXE	6128	RegOpenKey	HKCU\Software\Classes\exefile	NAME NOT FOUND	Desired Access: M...
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\exefile.DocObject	NAME NOT FOUND	Length: 12
9:46:0	Explorer.EXE	6128	RegQueryValue	HKCR\CLSID\{1CF1260C-4DD0-4ebb-...	SUCCESS	Query: HandleTag...

Showing 37 625 of 66 464 events (86%) Backed by virtual memory

d:

felvillan és eltűnik

e:



5. feladat:

```
mark@mark-1-2:~/Desktop$ mkdir -p fl65wf/bush/banan
mark@mark-1-2:~/Desktop$ mkdir -p fl65wf/bush/mogzoro
mark@mark-1-2:~/Desktop$ mkdir -p fl65wf/bush/barack
mark@mark-1-2:~/Desktop$ mkdir -p fl65wf/tree/korte
mark@mark-1-2:~/Desktop$ mkdir -p fl65wf/land/szeder
mark@mark-1-2:~/Desktop$ mkdir -p fl65wf/land/kokusz
mark@mark-1-2:~/Desktop$
```

fájlok létrehozása paranccsal

```
mark@mark-1-2:~/Desktop$ tree fl56wf
fl56wf
├── bush
│   ├── banan
│   ├── barack
│   └── mogzoro
├── land
│   ├── kokusz
│   └── szeder
└── tree
    └── korte

10 directories, 0 files
mark@mark-1-2:~/Desktop$
```

tree kilistázása

```
mark@mark-1-2:~/Desktop$ cp -r fl56wf/land/szeder fl56wf/tree/  
mark@mark-1-2:~/Desktop$ cp -r fl56wf/bush/banan fl56wf/tree/
```

```
mark@mark-1-2:~/Desktop$ mv fl56wf/bush/barack fl56wf/tree/  
mark@mark-1-2:~/Desktop$ mv fl56wf/land/kokusy fl56wf/tree/
```

```
mark@mark-1-2:~/Desktop$ tree fl56wf  
fl56wf  
├── bush  
│   ├── banan  
│   └── mogzoro  
├── land  
│   └── szeder  
└── tree  
    ├── banan  
    ├── barack  
    ├── kokusz  
    ├── korte  
    └── szeder  
  
12 directories, 0 files
```

fájlok másolása, mozgatása majd listázása

```
mark@mark-1-2:~/Desktop$ rm -r fl56wf/land  
mark@mark-1-2:~/Desktop$ tree fl56wf  
fl56wf  
├── bush  
│   ├── banan  
│   └── mogzoro  
└── tree  
    ├── banan  
    ├── barack  
    ├── kokusz  
    ├── korte  
    └── szeder  
  
10 directories, 0 files
```

törlés majd listázás

```
mark@mark-1-2:~/Desktop$ tree fl56wf
fl56wf
├── bush
│   ├── banan
│   │   └── description
│   └── mogzoro
└── tree
    ├── banan
    ├── barack
    ├── kokusz
    ├── korte
    ├── listing
    └── szeder
```

vi szövegszerkesztőben létrehozott fájlok kilistázása

```
mark@mark-1-2:~/Desktop$ ls -R fl56wf
fl56wf:
bush  tree

fl56wf/bush:
banan  mogzoro

fl56wf/bush/banan:
description

fl56wf/bush/mogzoro:

fl56wf/tree:
banan  barack  kokusz  korte  listing  szeder

fl56wf/tree/banan:

fl56wf/tree/barack:

fl56wf/tree/kokusz:

fl56wf/tree/korte:

fl56wf/tree/szeder:
mark@mark-1-2:~/Desktop$
```

```
mark@mark-1-2:~/Desktop$ find ~ -name '?e*'
/home/mark/Templates
/home/mark/snap/snapd-desktop-integration/common/.cache/fontconfig/ce869c62e014f60
dccc4952082d27a-1e64.cache-7
/home/mark/snap/snapd-desktop-integration/common/.cache/fontconfig/7ef2298fde41cc6
b7af42e48b7d293-1e64.cache-7
/home/mark/snap/snapd-desktop-integration/83/Templates
/home/mark/snap/snapd-desktop-integration/83/Desktop
/home/mark/snap/snapd-desktop-integration/83/.config/gtk-3.0/settings.ini
/home/mark/snap/snapd-desktop-integration/253/Templates
/home/mark/snap/snapd-desktop-integration/253/Desktop
/home/mark/snap/snapd-desktop-integration/253/.config/gtk-3.0/settings.ini
/home/mark/snap/firmware-updater/147/.config/gtk-3.0/settings.ini
/home/mark/snap/firmware-updater/127/.config/gtk-3.0/settings.ini
/home/mark/snap/snap-store/1147/.config/gtk-3.0/settings.ini
/home/mark/snap/snap-store/1110/.config/gtk-3.0/settings.ini
/home/mark/snap/snap-store/common/.cache/snap-store/images/7e0757f0-7413-121c-b3a6
7db2ce41480.png
/home/mark/snap/snap-store/common/.cache/snap-store/images/fe291470-7411-121c-b3a6
7db2ce41480.png
/home/mark/snap/snap-store/common/.cache/mesa_shader_cache
/home/mark/snap/snap-store/common/.cache/mesa_shader_cache/5e
/home/mark/snap/snap-store/common/.cache/mesa_shader_cache/4f/2e84144d2180e8166abc
25852a23a8b4f7bd
/home/mark/snap/snap-store/common/.cache/mesa_shader_cache/da/be6b885a7ae517e8c816
```

megkerestettem minden fájlt aminek a második betűje „e”

```
mark@mark-1-2:~/Desktop$ chmod a+r fl56wf/tree/listing
mark@mark-1-2:~/Desktop$
```

jogosultság módosítás

```
mark@mark-1-2:~/Desktop$ du -sh fl56wf
48K      fl56wf
mark@mark-1-2:~/Desktop$
```

méret kiírása

```
mark@mark-1-2:~/Desktop$ sort fl56wf/tree/listing
Alma
Barack
Cseresznye
Korte
Szilva
mark@mark-1-2:~/Desktop$
```

sorrendbe rendezés

```
mark@mark-1-2:~/Desktop$ wc -w fl56wf/bush/banan/description
11 fl56wf/bush/banan/description
mark@mark-1-2:~/Desktop$
```

szavak számának meghatározása