



Alan German & Chris Taylor

Ottawa PC Users' Group

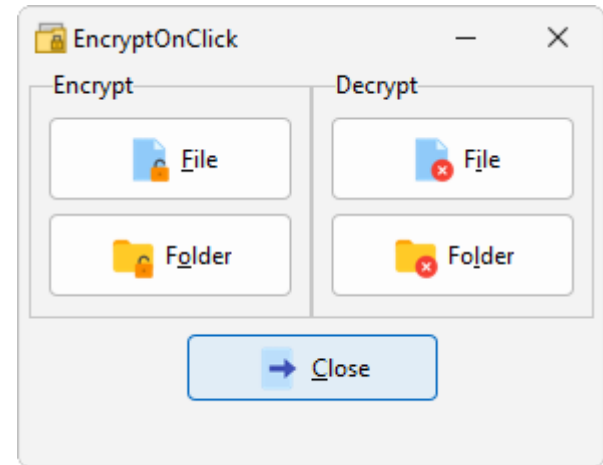
November 15, 2023



File and Folder Encryption

- Encrypt On Click
- How quickly does it encrypt?
- Your file was small.

Do you think it works OK
for larger files?



<https://www.2brightsparks.com/onclick/index.html>

Encryption/Decryption

File	Size	Encrypt (s)	Decrypt (s)
JPG	4 MB	~ Instant	~ Instant
Folder 5 JPG's	18 MB	3	2
MPG	494 MB	39	14
MPG	2.5 GB	196	73

This PC > DataDisk (D:) > foxes			▼	🔄
☐	Name ^	Date modified	Size	
	fox.txt	2023-11-02 9:05 PM	1 KB	
	fox1.txt	2023-11-02 9:06 PM	1 KB	
	fox2.txt	2023-11-02 9:06 PM	1 KB	

This PC > DataDisk (D:) > foxes			▼	🔄
☐	Name ^	Date modified	Size	
	C697B5DC8B0B971E58F7CBBBAD2A5F...	2023-11-02 9:05 PM	1 KB	
	DB86D4F19A8F45AFCBAA3DB3DCE56...	2023-11-02 9:06 PM	1 KB	
	FB166FD6BB4BEDD9F821D62A5A6877...	2023-11-02 9:06 PM	1 KB	

Decrypt

This PC > DataDisk (D:) > foxes			▼	🔄
☐	Name ^	Date modified	Size	
	C697B5DC8B0B971E58F7CBBBAD2A5F...	2023-11-02 9:05 PM	1 KB	
	FB166FD6BB4BEDD9F821D62A5A6877...	2023-11-02 9:06 PM	1 KB	
	fox1.txt	2023-11-03 1:06 AM	1 KB	

Share

Laptop battery-life problem

- Microsoft Surface Book 2
- Battery draining even when turned off
 - *not* “Sleep mode”
- Overnight, might go from full charge to completely drained
- Seemed to last “many” hours on battery when in use
 - not extraordinarily short or long life
- Most definitely a *Your mileage may vary* item!

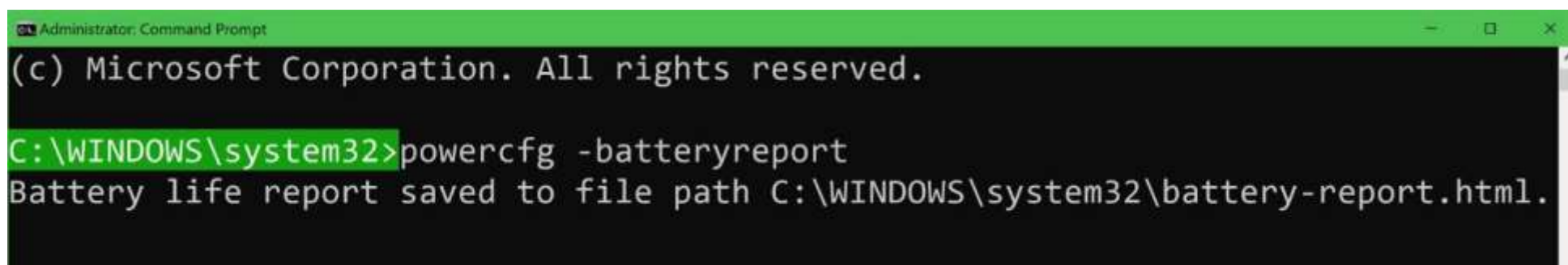


Note: I am *not* an expert in battery use in Windows

Share

Windows' battery report

- Run CMD prompt as Administrator
 - click *Start* button, type **CMD**
 - right-click *Command Prompt* in results, *Run as Administrator*
 - type following and hit Enter key
 - **powercfg -batteryreport**



```
Administrator: Command Prompt
(c) Microsoft Corporation. All rights reserved.
C:\WINDOWS\system32>powercfg -batteryreport
Battery life report saved to file path C:\WINDOWS\system32\battery-report.html.
```

May not have to *Run as Administrator*

Output will be stored in your profile: e.g. C:\Users\CTaylor\battery-report.html

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Battery report

- **battery-report.html**
- Can be very large file (over 1 MB)
- Double-click battery-report.html
- Loads into browser
- Divided into sections

Battery report

COMPUTER NAME	DUBHE
SYSTEM PRODUCT NAME	Microsoft Corporation Surface Book
BIOS	92.3748.768 05.04.2021
OS BUILD	19041.1.amd64fre.vb_release.191206-1406
PLATFORM ROLE	Slate
CONNECTED STANDBY	Supported
REPORT TIME	2022-08-07 14:21:01

Installed batteries

Information about each currently installed battery

	BATTERY 1	BATTERY 2
NAME	X906971	X906980
MANUFACTURER	DYN	SMP
SERIAL NUMBER	5760	24297
CHEMISTRY	LION	LION
DESIGN CAPACITY	17,902 mWh	51,000 mWh
FULL CHARGE CAPACITY	15,187 mWh	43,102 mWh
CYCLE COUNT	134	181

Recent usage

Power states over the last 3 days

START TIME	STATE	SOURCE	CAPACITY REMAINING	
2022-08-04 14:20:59	Active	Battery	99 %	56,497 mWh
14:21:31	Connected standby	Battery	99 %	56,497 mWh
14:22:40	Active	Battery	99 %	56,497 mWh
14:23:12	Connected standby	Battery	99 %	56,497 mWh
14:23:16	Active	Battery	99 %	56,497 mWh

Share

Top info

Battery report

COMPUTER NAME DUBHE
SYSTEM PRODUCT NAME Microsoft Corporation Surface Book
BIOS 92.3748.768 05.04.2021
OS BUILD 19041.1.amd64fre.vb_release.191206-1406
PLATFORM ROLE Slate
CONNECTED STANDBY Supported
REPORT TIME 2022-08-07 14:21:01

Computer info

Important

- we'll come back to this

Installed batteries

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Battery info

Batteries have lost 15% capacity over 5 years

Share

Recent usage

Recent usage
Power states over the last 3 days

START TIME	STATE	SOURCE	CAPACITY REMAINING
2022-08-04 16:21:26	Active	Battery	89 % 50,857 mWh
16:22:50	Connected standby	Battery	89 % 50,857 mWh
16:22:50	Active	Battery	89 % 50,857 mWh
16:23:20	Connected standby	Battery	88 % 50,857 mWh

89% at 16:21

23:59:13	Connected standby	Battery	40 % 23,055 mWh
2022-08-05 00:00:42	Active	Battery	40 % 23,055 mWh
00:01:30	Connected standby	Battery	40 % 23,055 mWh
00:01:30	Active	Battery	40 % 23,055 mWh
00:02:15	Connected standby	Battery	40 % 23,055 mWh
00:03:32	Connected standby	Battery	40 % 23,055 mWh

40% 7 ¾ hrs later

05:02:32	Connected standby	Battery	5 % 2,617 mWh
05:02:49	Active	Battery	5 % 2,617 mWh
05:03:50	Connected standby	Battery	4 % 2,460 mWh
05:04:57	Active	Battery	4 % 2,460 mWh
05:06:02	Connected standby	Battery	4 % 2,460 mWh

4% 5 hrs later

05:14:35	Active	Battery	2 % 1,425 mWh
05:14:35	Connected standby	Battery	2 % 1,260 mWh
05:14:35	Suspended	Battery	2 % 1,260 mWh
14:54:29	Connected standby	AC	1 % 817 mWh
14:55:04	Active	AC	1 % 817 mWh
15:01:17	Connected standby	AC	2 % 1,379 mWh
15:01:17	Suspended	AC	2 % 1,379 mWh
15:02:53	Connected standby	AC	3 % 1,814 mWh
15:03:28	Active	AC	2 % 1,379 mWh
15:03:29	Connected standby	AC	2 % 1,379 mWh
15:03:29	Suspended	AC	2 % 1,379 mWh
15:42:56	Active	AC	33 % 18,907 mWh
17:06:26	Connected standby	AC	72 % 41,069 mWh

Lost 85% in under 13 hours
...*with computer off!!*

Computer becoming *Active*
every 30 – 90 seconds

Plugged in
• 2 hours later at 72%



- Does *Connected Standby* use battery even when the computer is turned off?



- Power-saving state: remain connected to internet & receive notifications
 - *even when the device appears to be in a “sleep” or “off” state*
- More responsive experience — instant-on capabilities
- Low-power state
 - *certain background tasks and applications can continue to run*
- Designed to be very power-efficient
 - *shouldn't* significantly drain the battery while computer is “off” or in standby
- Power usage varies depending on factors such as hardware design, system settings, and apps running in background
- Features related to power states and behavior can vary between different devices
 - check device docs or settings for info on how Connected Standby is implemented on your hardware and software configuration
 - ya, right...*I have never seen this documented!*

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Connected standby

What is Modern Standby

Article • 03/03/2021 • 4 minutes to read • 7 contributors

Windows 10 Modern Standby (Modern Standby) expands the Windows 8.1 Connected Standby power model. **Connected Standby**, and consequently Modern Standby, enable an instant on / instant off user experience, similar to smartphone power models. Just like the phone, the S0 low power idle model **enables the system to stay connected to the network while in a low power mode.**

<https://docs.microsoft.com/en-us/windows-hardware/design/device-experiences/modern-standby>

Is your computer using
Connected Standby?

Battery report

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SYSTEM PRODUCT NAME Microsoft Corporation Surface Book
BIOS 92.3748.768 05.04.2021
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Disabling Connected Standby

- Click *Start*
- Type **regedit**
- In results, click  Registry Editor App
- Navigate in left pane to
 - `HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Power`
- Double-click Value *CsEnabled*
- Change the *Value data* to 0
- On Surface Book there was no value *CsEnabled*
- Created it by right-clicking and choosing
 - *New | DWORD (32-bit) Value*
- Rebooted and Surface no longer uses Connected Standby

Before making changes to the registry

- highly recommended you have a good image backup

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SmartApps

- Useful apps for Android smartphones and tablets
- What are your favourites?



SuggestionBox@opcug.ca

Can also be a program for the PC

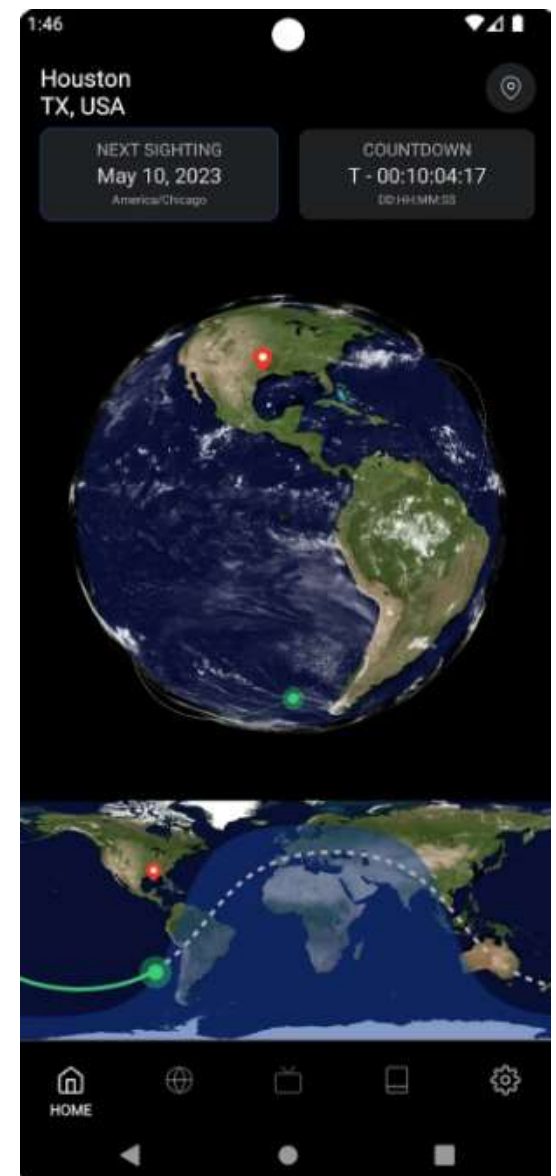
Stewart on



Android

Spot the Station

- NASA has launched a new app for both mobile platforms to help you locate our errant ISS
- Really, one never knows where that thing is going to pop up
- The app has a bit of AR functionality built in to really ease location tracking
- Even if it's on the other side of the planet, this app will find it

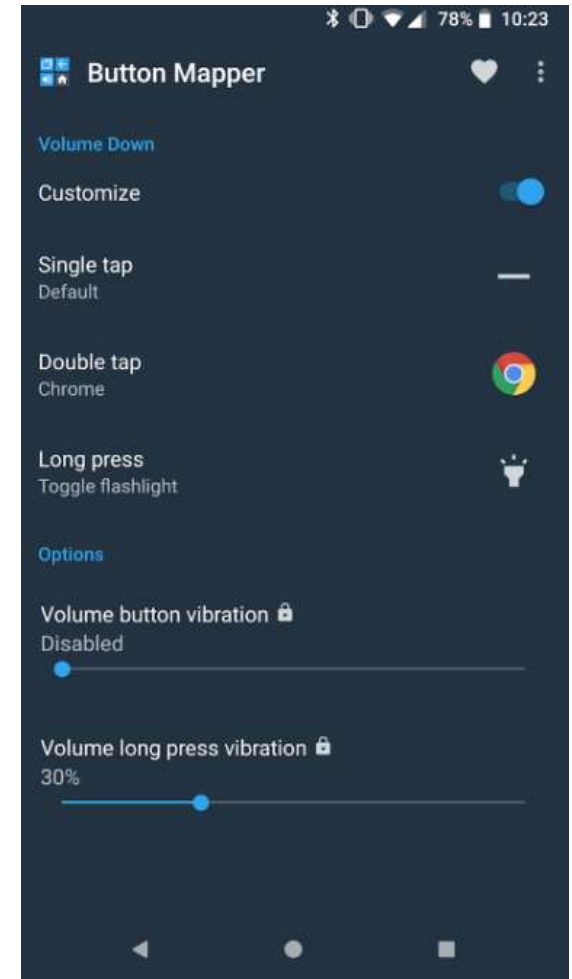


<https://play.google.com/store/apps/details?id=gov.nasa.hq.SpotTheStation>

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Button Mapper: Remap your keys

- Map custom actions to hardware buttons on your Android device
- Launch apps and shortcuts or assign custom actions
- Set single press, double taps and long presses
- Automatically adapts to show the buttons and options available



<https://play.google.com/store/apps/details?id=flar2.homebutton>

- Nvidia TV Shield
- Remote control
- Dedicated Netflix button
- Map long press to BritBox



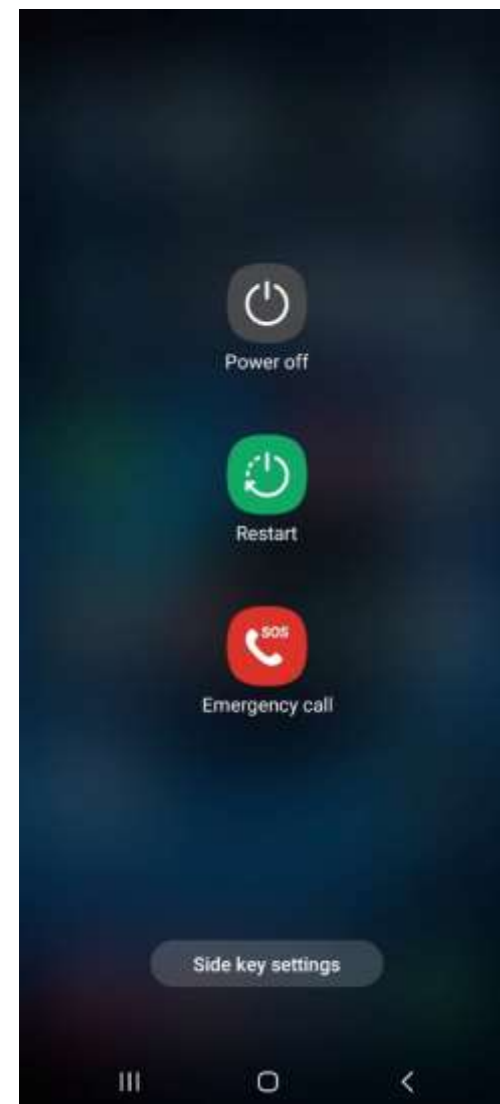
Share

Shutdown (no Root)

- Tiny power-off button hard to press on your Android phone?
- Prefer an on-screen option?
- *Shutdown* by *samiadom* is the solution!



<https://play.google.com/store/apps/details?id=com.samiadom.Shutdown>



Share

Death of KC Softwares

- KC Softwares had two free, *quite useful*, products
 - Software Update Monitor (SUMo)
 - Drive Update Monitor (DUMo)

KC Softwares

We develop and distribute user-friendly software designed to ease your computer life.

[Go to Download page >](#)

Termination notice

KC Softwares activities are to be terminated by end of October 2023.

All products are to be considered as **End-Of-Life (EOL)** on **October 31st 2023**.

Sales are stopped.

Wayne Houston

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Alternative to <https://alternativeto.net/>

- Alternative to *Personal Software Inspector*
 - PSI was a true *vulnerability* manager (not just an *update* manager)
- Patch My PC
 - over 300 applications
- SlimDrivers
 - only drivers
- Update Manager
 - Linux Mint update manager
- RuckZuck
 - free Software Package Manager for Windows
- Software Villa
 - Malwarebytes blocked website due to a PUP
- Ninite Updater
 - US\$10 and up per year
- **Glarysoft Software Update**
 - looked promising

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Glarysoft Software Update

Have just started looking at
Glarysoft Software Update



Software Update Pro is a very easy to use software updater that scans your system for outdated software and allows you to easily download and install the latest version of the software.

Today's Special Offer **-50% OFF**

Save 50% **Only \$14.97** ~~\$29.95~~

Buy Now

1 Year Subscription for Up to 3 PCs (Renewal Price: \$14.97)

Software Update

Check For Update

Automatic Software Upgrade

Quality Software Recommendation

Quality Software Download

Remote Management

Free



Manual

Pro



Batch

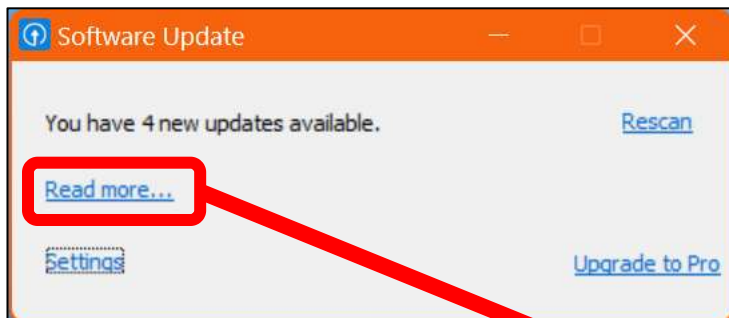


Buy Now

Save 50% **Only \$14.97** ~~\$29.95~~

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Glarysoft Software Update



Not free updates



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What are *you* using

- for vulnerability management?

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Can We Speed Up An Old Windows Computer?

- Question from a member *“My laptop... takes a while to open, and most of the time it goes in a circle...”*
- Comment from a friend *“My Windows laptop is so sl-o-w...”*

So, what can we do to speed up such machines?

Slow means really s-l-o-w

- Boot to splash screen ~1 min 30 s
Best time of 33 s in 6 trials
- Shutdown ~2 min 10 s
Worst time 4 min 8 s in 6 trials
- Other symptoms:
 - Windows Update “stuck” at 44% for hours!
 - Disk Cleanup unable to free 12 GB of disk space



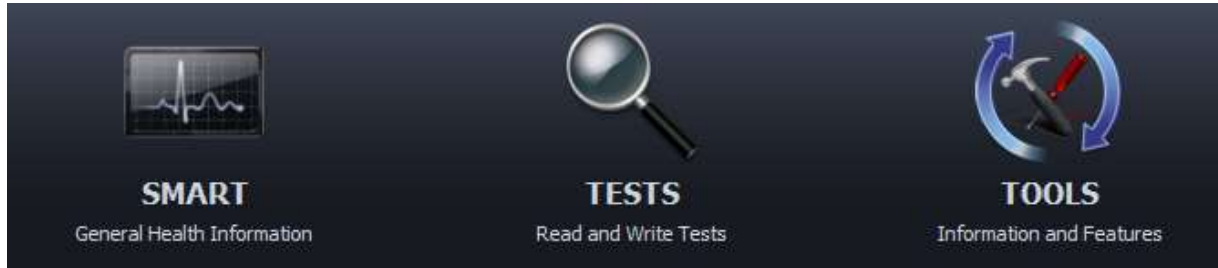
	OPCUG
	Windows Performance Tune-up
	Chris Taylor
	<i>Users helping users</i>
	This deck: opcug.ca/Windows

	Major causes of performance problems
	■ CPU hogs ■ Disk activity hogs ■ Memory hogs ■ Internet connectivity hogs ■ Web browser plug-ins and caches ■ Malware ■ Disk clutter ■ Auto starting programs ■ Out-of-date drivers ■ Disk indexing ■ Crapware
	OPCUG <i>Users helping users</i>

<https://opcug.ca/presentations/WindowsTuneup.pdf>

- Task Manager – Performance – Disk
- Lots of disk activity when the computer was nominally not busy

- Task Manager – Performance – Disk
- Lots of disk activity when the computer was nominally not busy



- HDDScan (<https://hddscan.com>)
 - SMART (Self-Monitoring Analysis and Reporting Technology) report
 - Graph of disk access (kB/s) by Logical Block Address (LBA)
 - Map with colour code for block processing times
 - Report for block processing times above a specified threshold



Save to File



Print

HDDScan S.M.A.R.T. Report

State: ●

Model: Samsung SSD 840 EVO 250GB

Firmware: EXT0DB6Q

Serial: S1DBNSAFB96518F

LBA: 488397168 (250 GB)



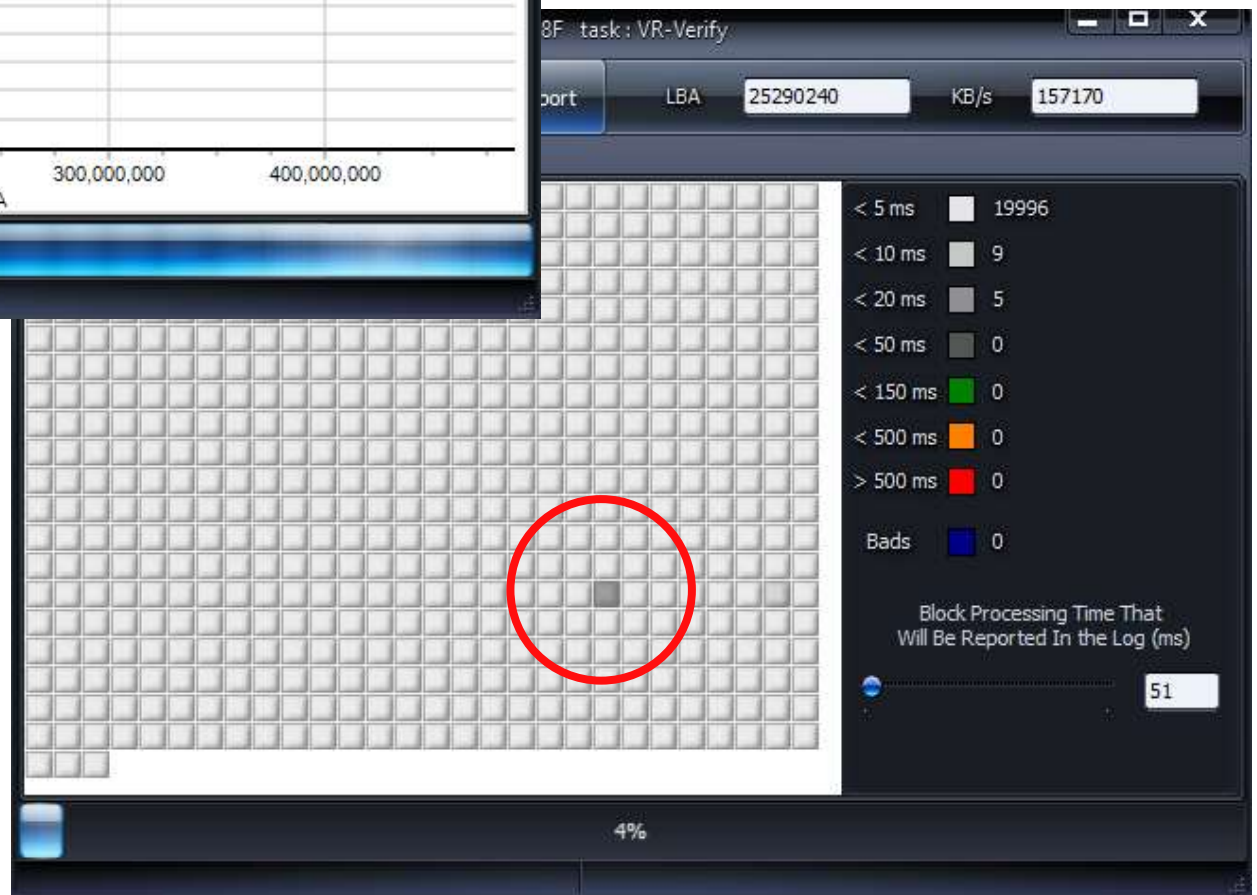
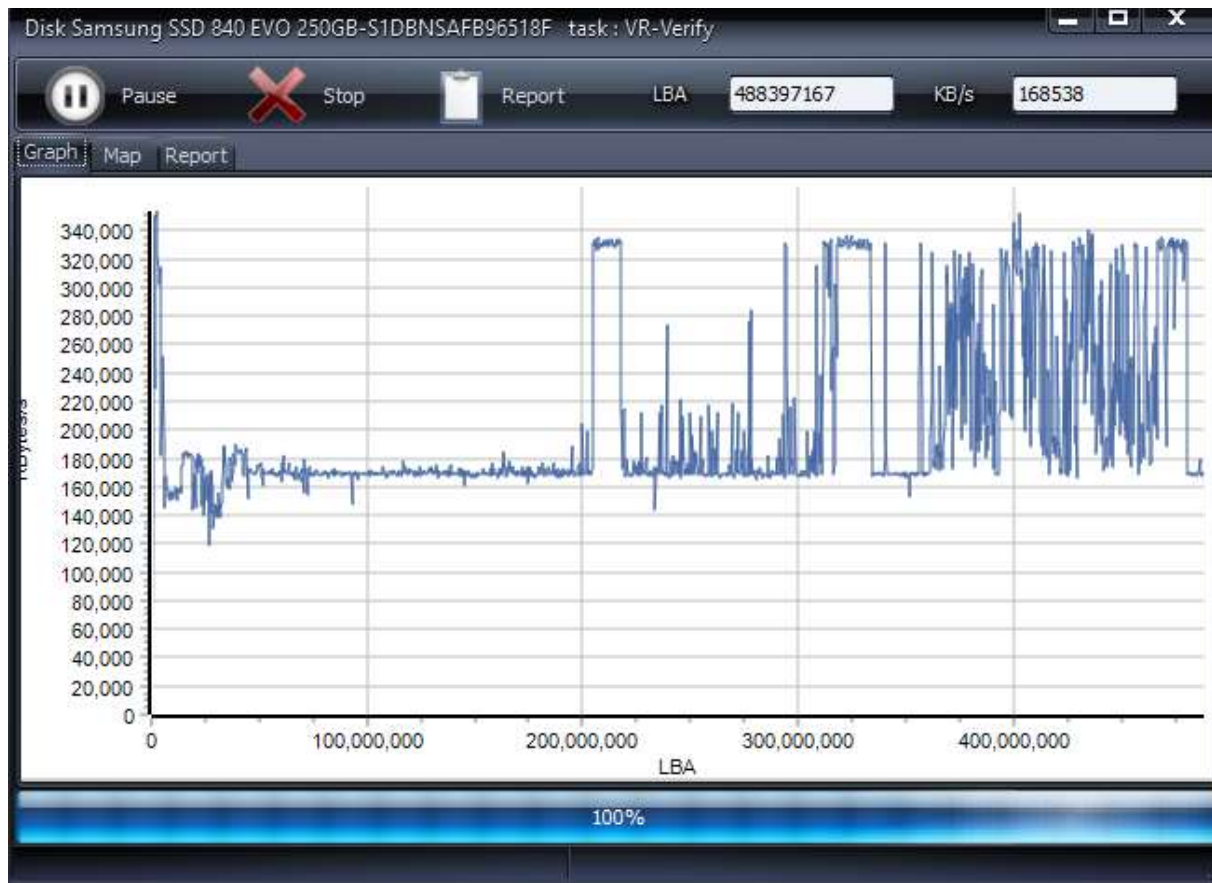
Report By: HDDSCAN v4.1

Report Date: 11/4/2023 8:54:07 AM

Detected Vendor

Samsung

	Num	Attribute Name	Value	Worst	Raw(hex)	Threshold
●	005	Reallocation Sector Count	100	100	0000000000-0000	010
●	009	Power-On Hours Count	097	097	0000000000-2EB0	000
●	012	Device Power Cycle Count	093	093	0000000000-1AAA	000
●	177	Wear Leveling Count	093	093	0000000000-0054	000
●	179	Used Rsvd Block Count Total	100	001	0000000000-0000	010
●	181	Program Fail Count Total	100	100	0000000000-0000	010
●	182	Erase Fail Count Total	100	100	0000000000-0000	010
●	183	Runtime Bad Block	100	100	0000000000-0000	010
●	187	Reported Uncorrectable Error	100	100	0000000000-0000	000
●	190	Airflow Temperature	072	050	28 C	000
●	195	ECC Rate	200	200	0000000000-0000	000
●	199	UltraDMA CRC Errors Count	100	100	0000000000-0000	000
●	235	POR Recovery Count	099	099	0000000000-00EE	000
●	241	Total Host Writes	099	099	00000B01C1-9015	000



Drive test result for Generic-SD/MMC/MS PRO

 Save to File  Print

HDDScan Drive Test Report

Model: Generic-SD/MMC/MS PRO
Firmware: 1.00
Serial:
LBA: 15644672

Report By: HDDSCAN v4.1
Report Date: 11/4/2023 8:46:25 AM

Open Disk
Test : VR-Verify

Executing
Bad block found, start LBA : 0
Bad block found, start LBA : 256
Bad block found, start LBA : 512
Bad block found, start LBA : 768
Bad block found, start LBA : 1024
Bad block found, start LBA : 1280
Bad block found, start LBA : 1536
Bad block found, start LBA : 1792
Bad block found, start LBA : 2048

HDDScan

Graph – lots of long black lines,
especially initially

Map – many green and red blocks

Report – some block processing
times of 1024 ms !





Product Support

SeaTools

SeaTools - Quick diagnostic tool that checks the health of your drive.

Downloads



SeaTools 5 (Windows) >

Use this Windows version of the SeaTools GUI to diagnose hard drives and monitor SSDs.

Download →

<https://www.seagate.com/ca/en/support/downloads/seatools/>

Solution



Solution



- 7 screws
- 1 Samsung 870 250 GB SSD

No more s-l-o-w

- Boot to splash screen ~1 min 30 s

Best time of 33 s in 6 trials



12 seconds

- Shutdown ~2 min 10 s

Worst time 4 min 8 s in 6 trials



7 seconds





LoonieBits

Simon d'Entremont



- Professional nature, wildlife, and astrophotographer in Nova Scotia
- Sharing his adventures, as well as providing tips and tricks to improve your photography

<https://www.simondentremont.com/>
https://www.youtube.com/@simon_dentremont

Tom Trottier



Moving Contacts

- Switched from Microsoft to MacBook
- What will happen to my stored email and phone contacts?



Lise Q



Export Contacts

Microsoft – Support - Export contacts from Outlook for Windows:

New Outlook

People > Home > Manage Contacts > Export Contacts > Export
(Exported .CSV file is saved to the Downloads folder)

Old Outlook

File > Open & Export > Import/Export > Export to a file >
Comma Separated Values

Select folder to export from > Contacts

<https://tinyurl.com/2sr23k3z>



USB Drive Share via Router



- Enable USB sharing on router (Admin panel)
- Identify IP address (ipconfig)
- Open connection (Run - //192.168.0.1)
- Assign drive letter (Map network drive)
- But...

https://opcug.ca/qa_recordings/20210519_PowerPoint.pdf

\\192.168.0.1



\\192.168.0.1

You can't connect to the file share because it's not secure. This share requires the obsolete SMB1 protocol, which is unsafe and could expose your system to attack. Your system requires SMB2 or higher. For more info on resolving this issue, see: <https://go.microsoft.com/fwlink/?linkid=852747>

OK

- Moved to Bell Fibe
- Giga Hub 4000 router
- Bell instructions for connecting to the USB port:

1. Plug the USB storage device into the Home Hub 4000.

2. On the computer, click the **Start** button.

3. Click **Documents**.

4. Click on the address bar.

5. Delete the current text and enter `\\mynetwork`.

Note: Make sure you use back slashes (\) and not forward slash

6. Click the **Go** icon or press **Enter** on your keyboard.

7. Click on the USB device to access the files.





Open Folder



\\mynetwork is not accessible. You might not have permission to use this network resource.
Contact the administrator of this server to find out if you have access permissions.

A remote procedure call (RPC) protocol error occurred.

OK

How to access \\mynetwork (USB storage) on Bell Home Hub 4000 from iPad/iPhone



RobertKo

Contributor

↗ In response to RobertKo



11-13-2022 11:42 PM

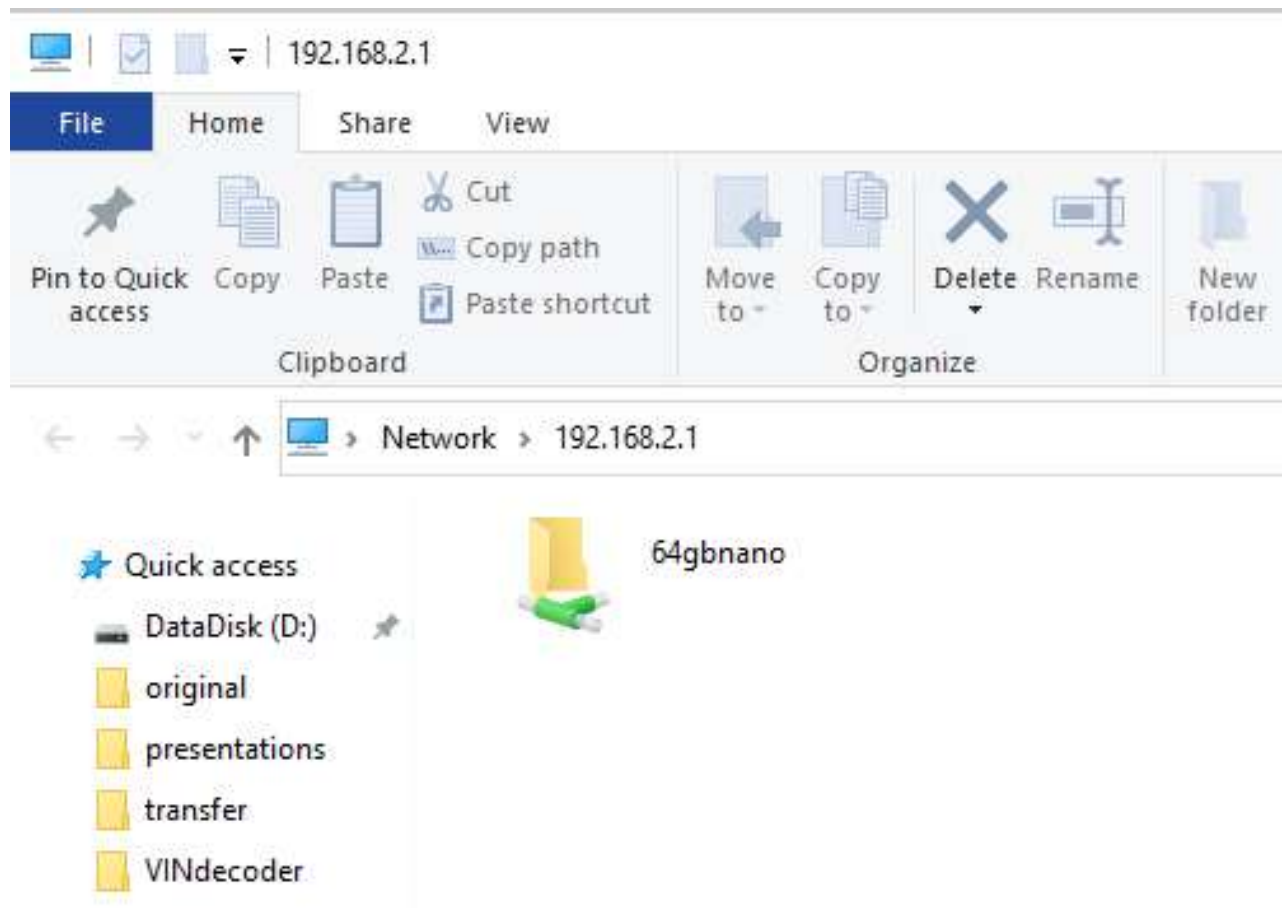
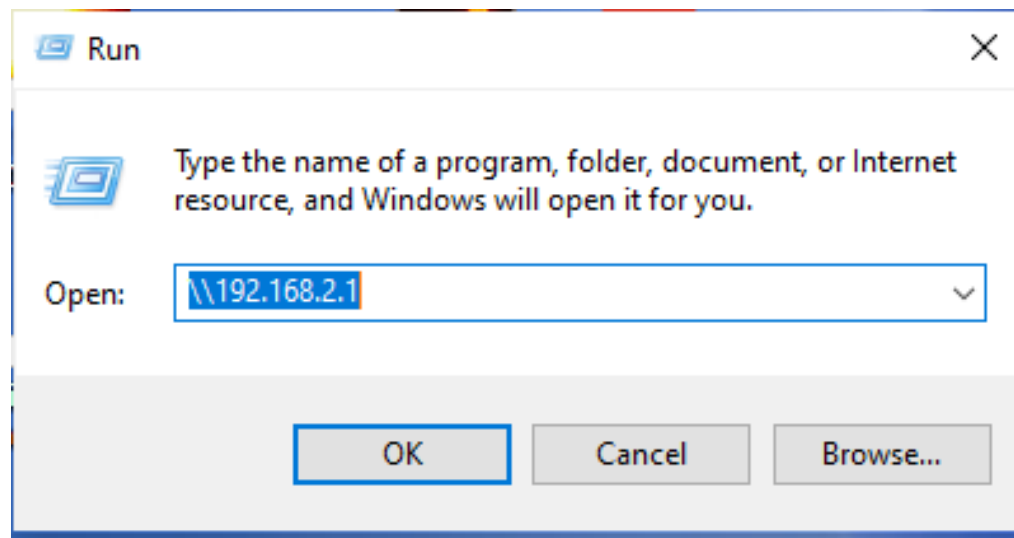
Didn't know how to edit my last post so I'm replying to my own post.

After lots of google searches and youtube videos, I found how to access my drives.

For some reason \\mynetwork continues to refuse to work. However, if I open the "Run" app from the start menu and type \\192.168.2.1 then it opens my storage devices!

I hope this information helps anyone else that had the same trouble I did.

<https://forum.bell.ca/t5/Internet/How-to-access-mynetwork-USB-storage-on-Bell-Home-Hub-4000-from/td-p/883/page/2>



**So, how are we going to
resolve these two conflicting
suggestions and make the
networked USB drive useful?**





Ask Chris!

- Maybe it has to do with DNS. Is your DNS set to the router's IP address? I bet that is required to resolve \\mynetwork
- So, if you are using some other DNS such as Google's 8.8.8.8 or your ISP's DNS, or Quad9's 9.9.9.9, it won't be able to resolve \\my network
- The address of your router won't change, which is why \\192.168.2.1 would work.

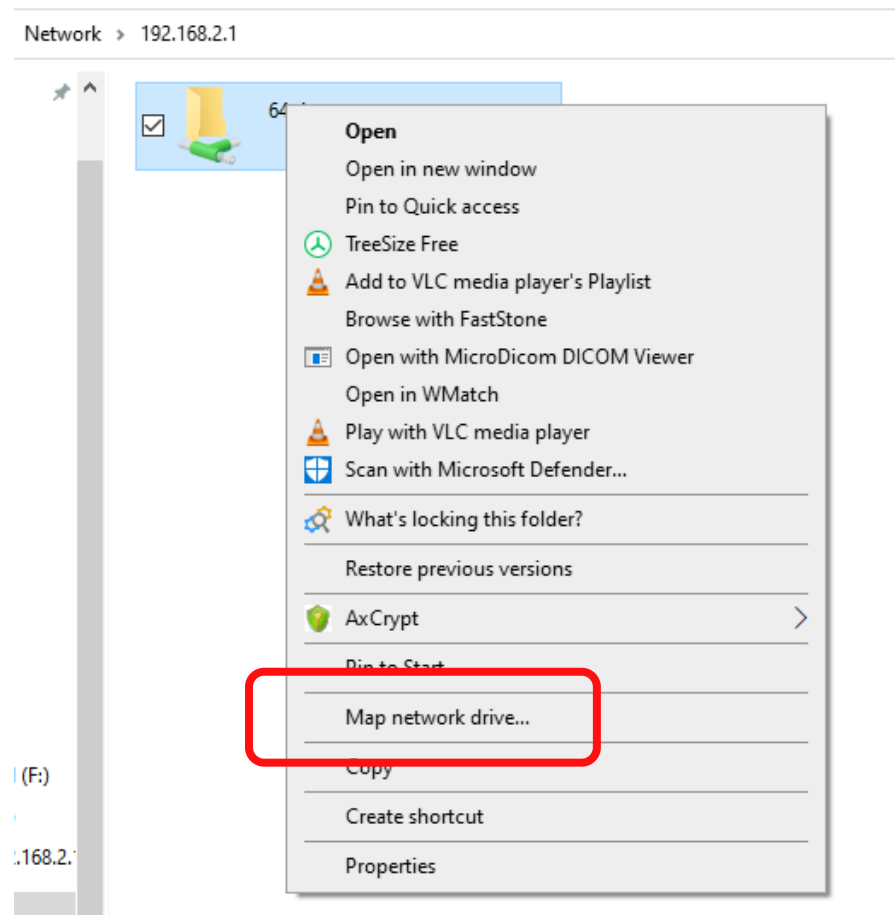


Ask Chris!

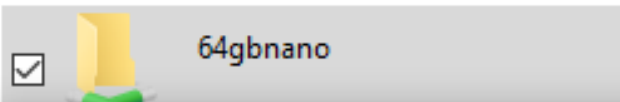
- You could always map a drive letter from a command prompt
- To map drive Z so it persists between reboots to a share called 64gbnano on IP address 192.168.2.1 use:

net use z \\192.168.2.1\64gbnano /persistent:yes

- The net use command didn't seem to work
- Drive Z: was not displayed in File Explorer
- However, if I use the Run command to establish *192.168.2.1 \ 64gbnano*, I can right-click and...



Network > 192.168.2.1



64gbnano

← Map Network Drive

What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Drive:

Z: ▼

Folder:

\\192.168.2.1\64gbnano ▼

Browse...

Example: \\server\share

☒ Reconnect at sign-in

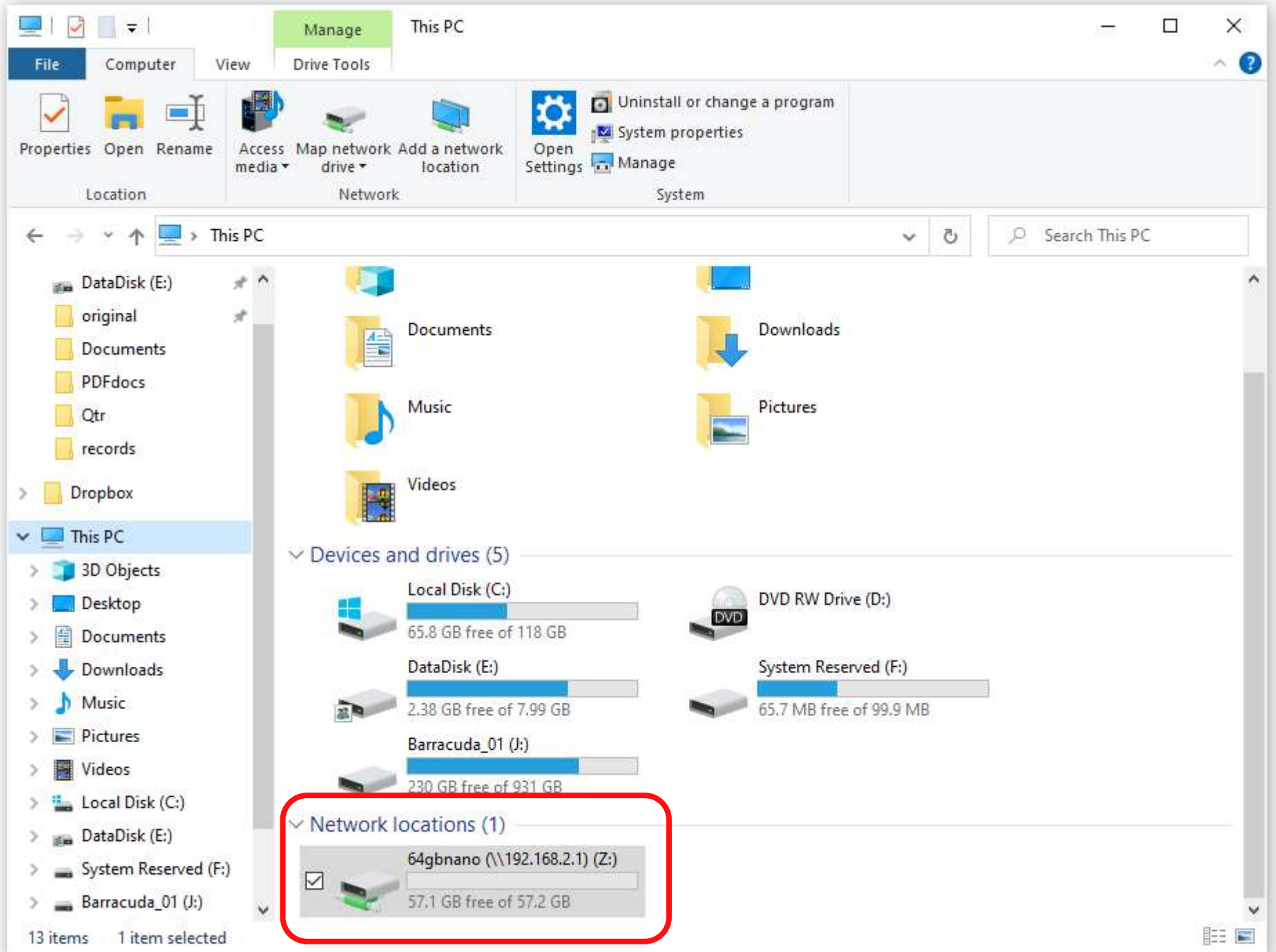
☐ Connect using different credentials

[Connect to a Web site that you can use to store your documents and pictures.](#)

Finish

Cancel

(F:)





Paste



Cut



Copy path



Paste shortcut



Move to ▾



Copy to ▾



Delete ▾



Rename



New folder



New item ▾



Easy access ▾



Properties ▾

ClipboardOrganizeNewOpen



This PC

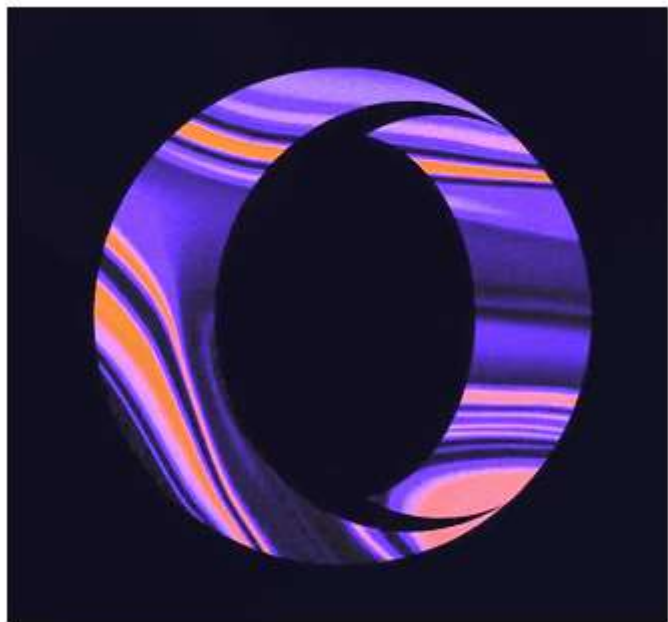
64gbnano (\\192.168.2.1) (Z:)



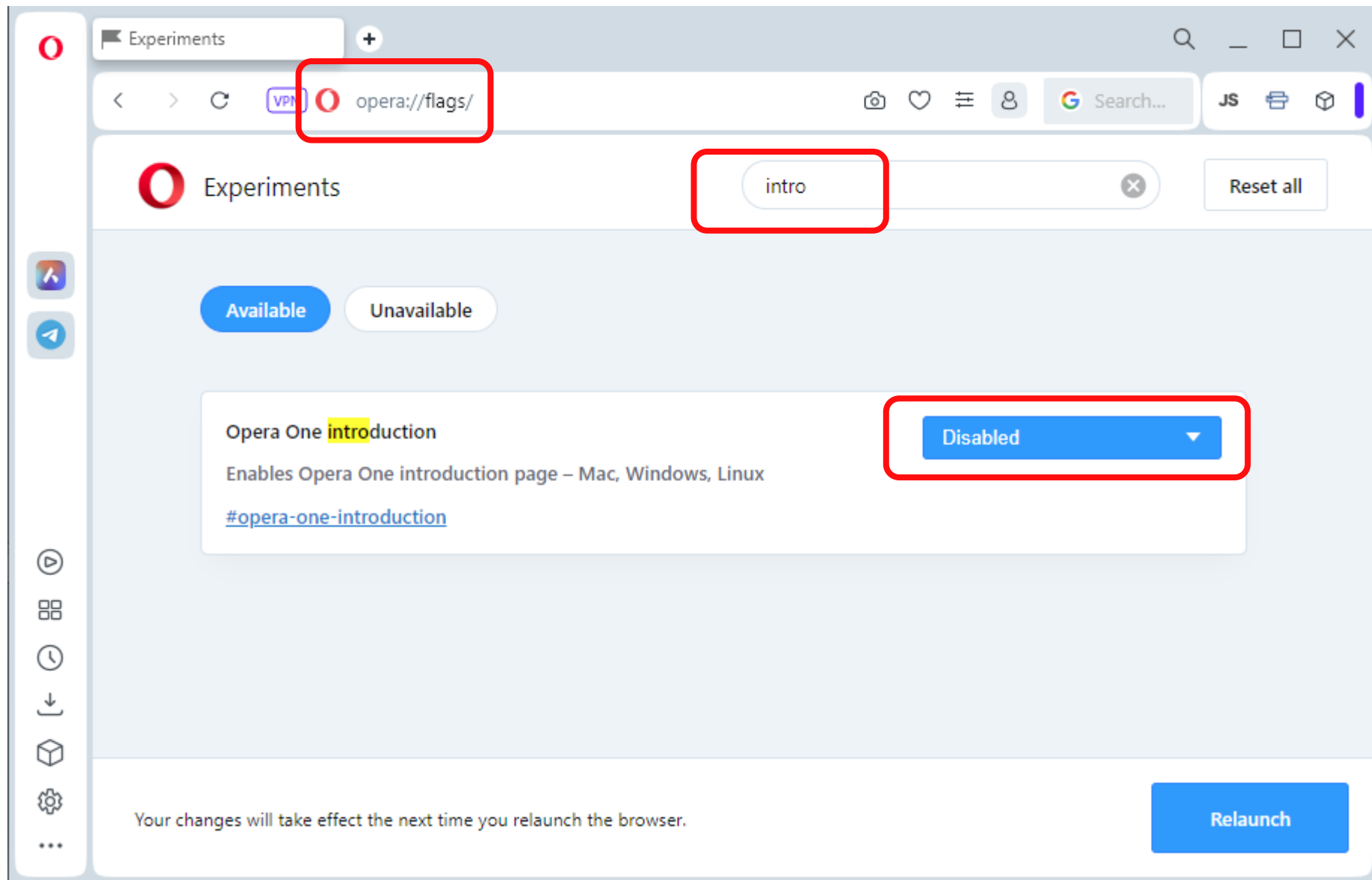
 	☐ Name ^	Date modified	Size
	 USB64GB.txt	11/10/2023 4:19 PM	2 KB

Share

Opera's Introductory Sound

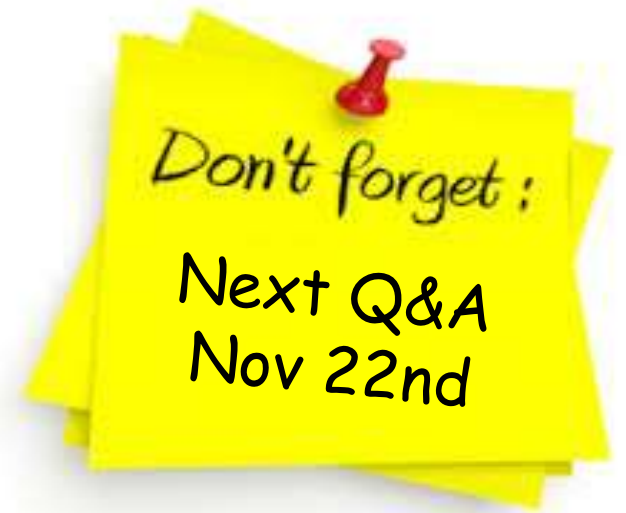


- Does that sound file on launch drive you nuts?
- Can't find a way to turn it off?
- In the address bar, type:
opera://flags
- In the search box, type:
intro
- Select:
Disabled





**Any other:
Questions
Comments
Shares?**



**Send your questions,
answers, and topics
you wish to share to:**

SuggestionBox@opcug.ca