OPCUG

Users helping users
for over 40 years

Alan German & Chris Taylor
Ottawa PC Users' Group

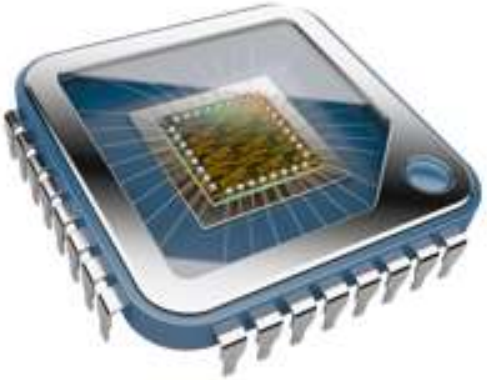
November 5, 2025

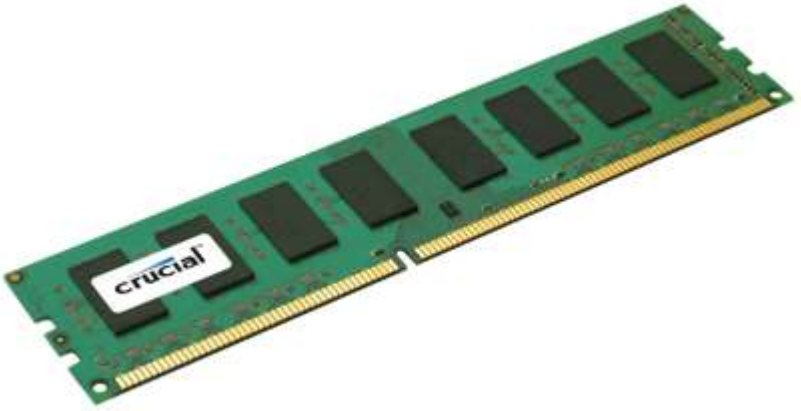
OPCUG social get-together

- Date: Wednesday, Nov 26th
  - starting at 7:00pm
- Location: Big Rig in Gloucester Centre
  - Blair & Ogilvie
  - https://maps.app.goo.gl/8rdtztXyvbHVzVCt9
  - driving: north on Blair off the 174 just east of the split
    - plenty of free parking
  - O-train: Blair station
- OPCUG making arrangements
  - each participant on their own for paying
- If planning to attend
  - email SuggestionBox@opcug.ca by **Wednesday, November 12th**

Hardware updates

- What RAM do I need to buy for my son's computer?
- I need to update the CPU of my daughter's computer since it can not be upgraded to Windows 10
- It also needs a better graphics card
- Hoping someone can assist me!

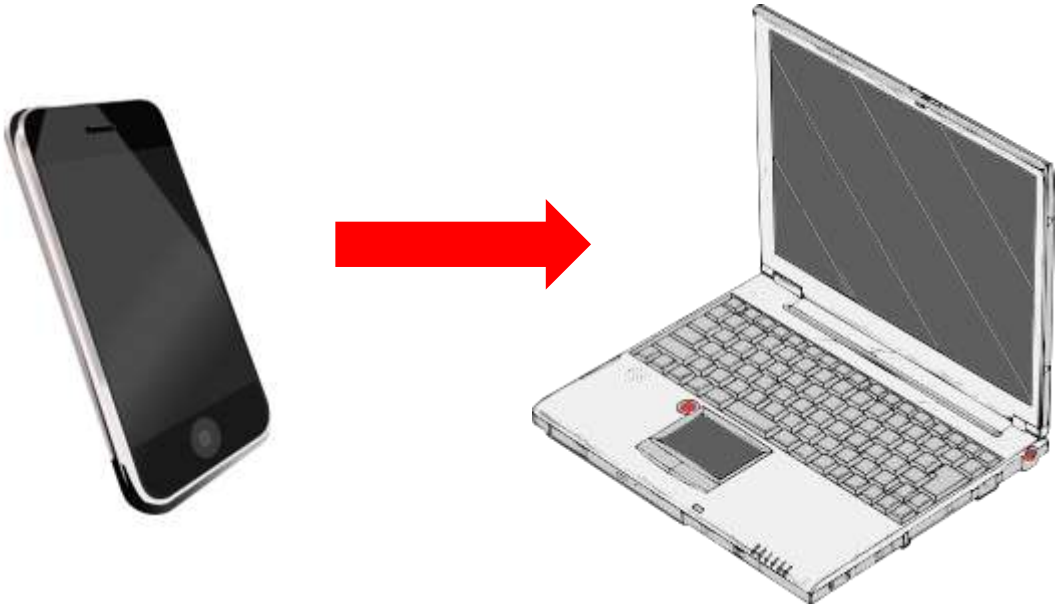




Jenn

iPhone to PC

- A friend wants assistance with a number of computing tasks
- One of these is transferring lots of photos from an iPhone to a PC
- I know nothing about Apple products
- What is the best method for file transfer from an iPhone to a PC?



Double Your Android Phone's Battery Life By Changing These Settings

YouTubeTech

Double Your Android Phone's Battery Life By Changing These Settings

Useful Things
420K subscribers
Join
Subscribe

68K
Share
Ask
Download

https://www.youtube.com/watch?v=sL9vhtl3YSs

- Google > Devices & Sharing > Devices> Scan for nearby devices
- Connections > Nearby device scanning > Nearby device scanning
- Connections > Printing > Default Print Services
- Digital Wellbeing and parental controls > *Three vertical dots* > Settings > Usage data access > Settings > Disable Allow permission
- Notifications > App notifications > App notifications > *Disable unwanted*
- Battery > Battery protection

** Search terms to locate these settings: Nearby, Printing, Data access, Notifications, and Battery*

Time for a Linux phone

File Edit View Bookmarks Tools Window Help

postmarketOS // real Linux distribution for phones

postmarketOS // real Linux

postmarketos.org

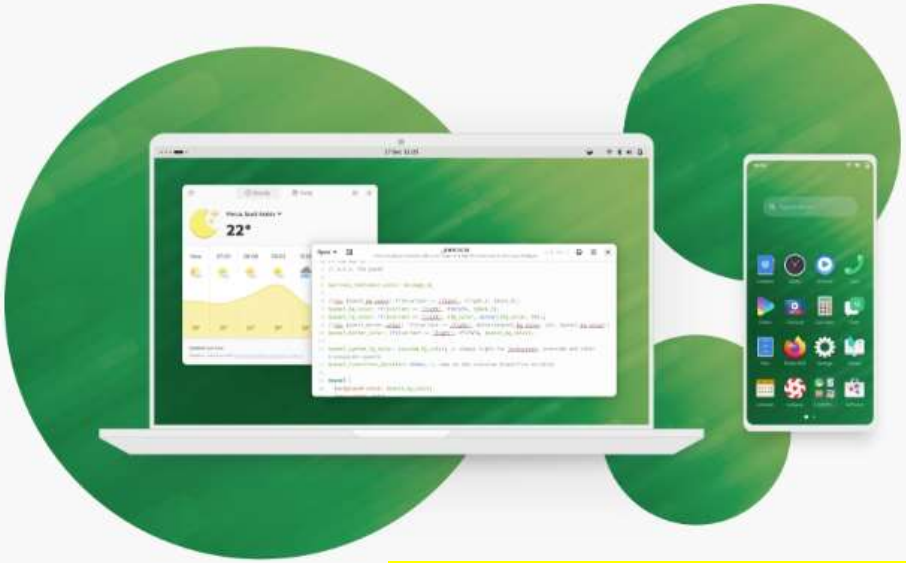
Search Google

JS VPN

postmarketOS

Home Install Blog Explore Team Donate

The Linux distribution for mobile devices and beyond...



https://postmarketos.org

User Interfaces

GNOME™ KDE Phosh SXMO and more...

Reset 100 % 8:38 AM

postmarketOS
Starting...
edge | Linux 6.16.3-msm8953 | motorola-ali

PostmarketOS

- *"In its current stage, postmarketOS is for Linux enthusiasts"*
- No pre-built image for the Moto G6 (motorola-ali)
- Install pmbootstrap (latest release) and git
- Build a boot image (Terminal commands)
- Include phosh (GUI)
- Set the "password" as a number (passcode)?
- Boot the phone into recovery mode
- Flash lk2nd (secondary bootloader)
- Flash rootfs and kernel
- Phone boots into PostmarketOS

postmarketOS

14:21
Search apps...
Calculator
Calendar
Camera
Clocks
Console
Files
Image Viewer
Lollypop
Maps
Settings
Software
Text Editor
Tweaks
Weather
Welcome

Share

Easier hyphens and dashes

But first, a trip down a typographical rabbit hole…

Rules for hyphens & dashes

- No space before/after hyphens and dashes
  - 2019–2020 ***not*** 2019 – 2020
- Hyphens join words
  - up-to-date software, rock-hard candy, ex-wife
- En dashes are longer than hyphens: separate a range (think ***through***)
  - the 2019–2020 fiscal year
- Em dashes are even longer: indicate a break in sentence (think ***comma*** or ***parenthesis***)
  - the fee increase—opposed by all—was adopted

Part of my 2-hour presentation *Fun with fonts*

Sizes of dashes & hyphens

- Em dash
  - width is an em (go figure)
    - *usually* about the width of a capital **M**
  - same width as point size
    - if text is 12 points, an em dash is 12 points wide
- En dash
  - width of an en (again…go figure)
    - *usually* about the width of a capital **N**
  - half the width of an em
    - if text is 12 points, an en dash is 6 points wide
- Hyphen
  - *approximately* one third the width of an em
    - if text is 12 points, a hyphen is 4 points wide

- …more or less
  - **typographers are completely free to define sizes however they want**
  - *There is no universally valid basis for body height usage and the font size this ultimately delivers*
    - https://www.onlineprinters.co.uk/magazine/font-sizes/

When point sizes go haywire

Hx

Perpetua

Hx

Franklin Gothic Book

Hx

Arial

Hx

Placard

All 4 set at 96 points

- considerable difference in cap height!

Handgloves

Santa Catalina

Handgloves

Get Show

Both set at 96 points

Point size

- more of a ***concept*** than a ***rule***

Share

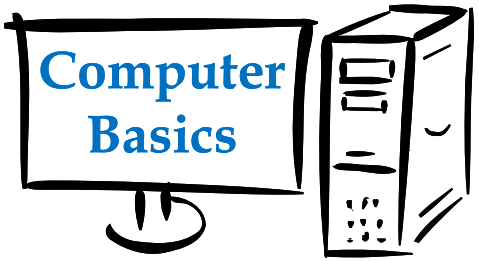
…and finally, back to…

Easier hyphens and dashes

Share

Dashes made easier

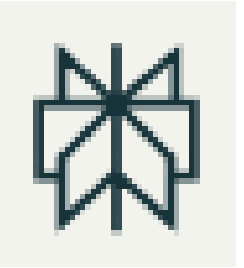
- Hyphen
  - keyboard character minus
- En dash
  - Alt+0150 (on numeric keypad)
  - Win+period (Emoji panel, symbols section, general punctuation)
  - Microsoft Word: Ctrl+minus (on numeric keypad)
  - Microsoft Word/LibreOffice Writer:
    auto-correct "word - word" to "word – word"
    (en dash, but leaves the spaces in)
  - **Win+minus** works throughout Windows
    (may not be rolled out to all Windows installations yet)
- Em dash
  - Alt+0151 (on numeric keypad)
  - Win+period (Emoji panel, symbols section, general punctuation)
  - Microsoft Word: Ctrl+Alt+minus (on numeric keypad)
  - Microsoft Word/LibreOffice Writer:
    auto-correct "word--word" to "word—word"
    (em dash, no spaces)
  - **Win+shift+minus** works throughout Windows
    (may not be rolled out to all Windows installations yet)



Spring-Clean Drive in the Fall

"I was wondering if it would be possible to cover specific, obvious, or not so obvious areas/items that could help free up space, without using clean-up utilities/software."

Perplexity AI says...



- Empty the Recycle Bin
- Delete Files in the Downloads Folder
- Uninstall Unused Programs
- Delete Temporary Files
- Clear Browser Cache and Offline Files
- Clear Thumbnail Cache
- Remove Old System Restore Points & Shadow Copies
- Delete Files in the Downloaded Program Files Folder
- Clear Error Reporting and Log Files

Tips for Space Reclamation

- Sort files by size in File Explorer to identify unusually large files or folders taking up space
- Check for duplicate files manually or by inspecting folders used for backups and downloads
- Move rarely used media files or documents to external drives or cloud storage as a manual archival method
- Regularly review and clean the Desktop folder files, as many users store large files here unknowingly

Tips for Space Reclamation

- Sort files by size in File Explorer to identify unusually large files or folders taking up space
- Check for duplicate files manually or by inspecting folders used for backups and downloads
- Move rarely used media files or documents to external drives or cloud storage as a manual archival method
- Regularly review and clean the Desktop folder files, as many users store large files here unknowingly
- **Use utility software to (try to) make your life easier!**

My Situation

250 GB SSD

- Linux 62 GB, 41 GB free
- Windows 140 GB, 3.8 GB free
- Data partition 16 GB, 9 GB free

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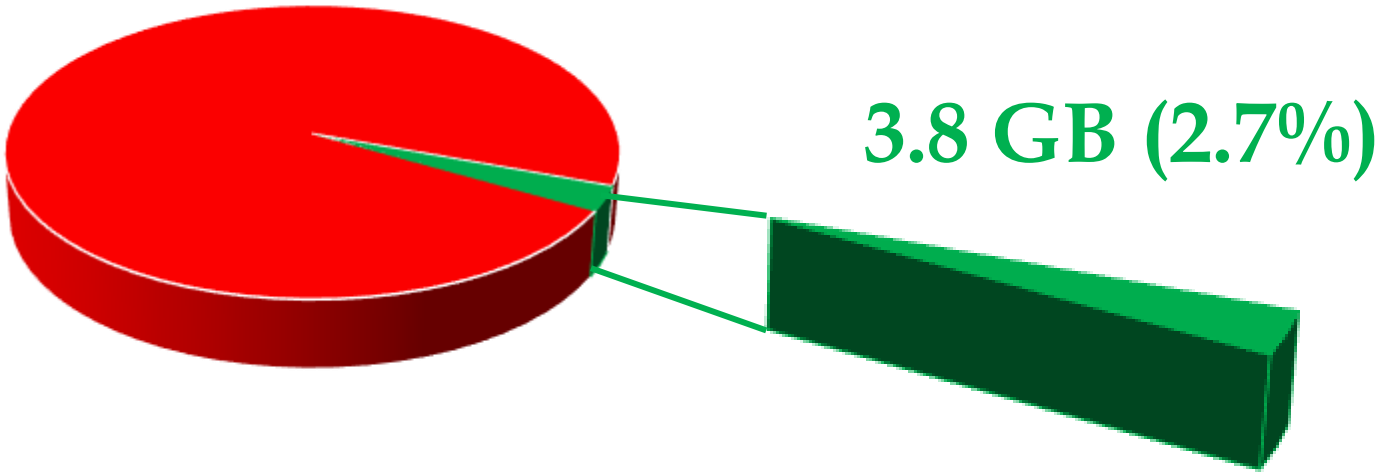
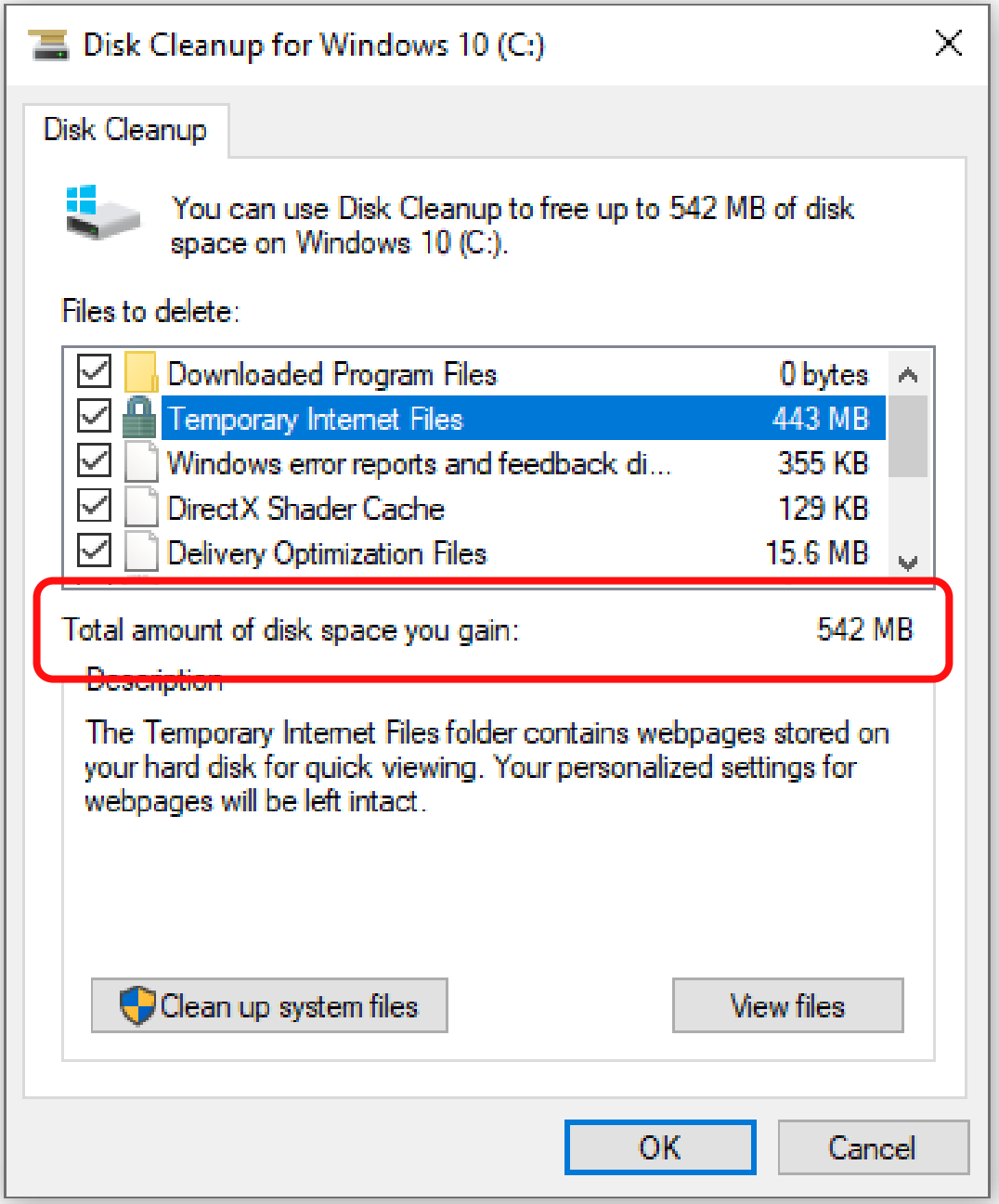
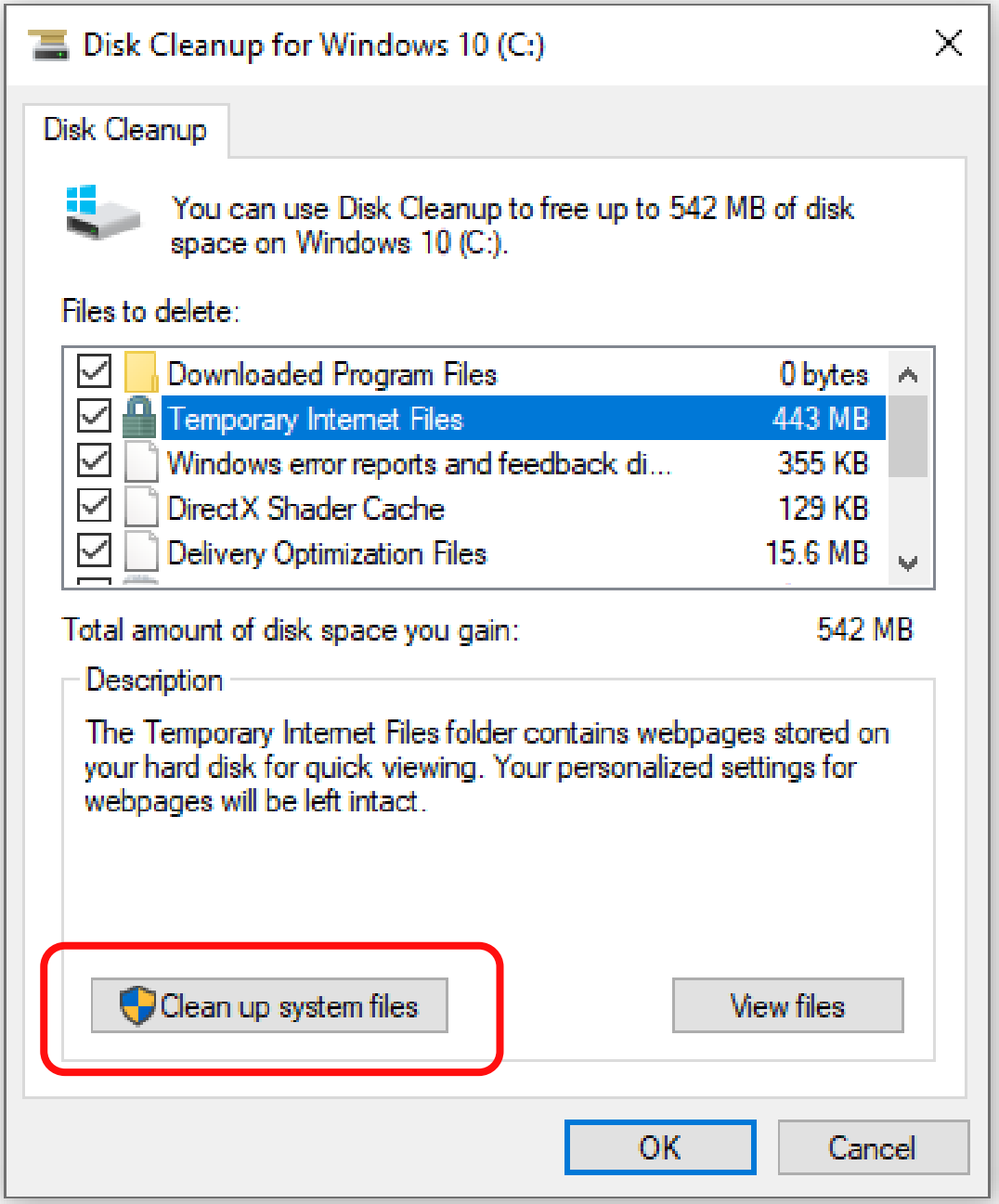
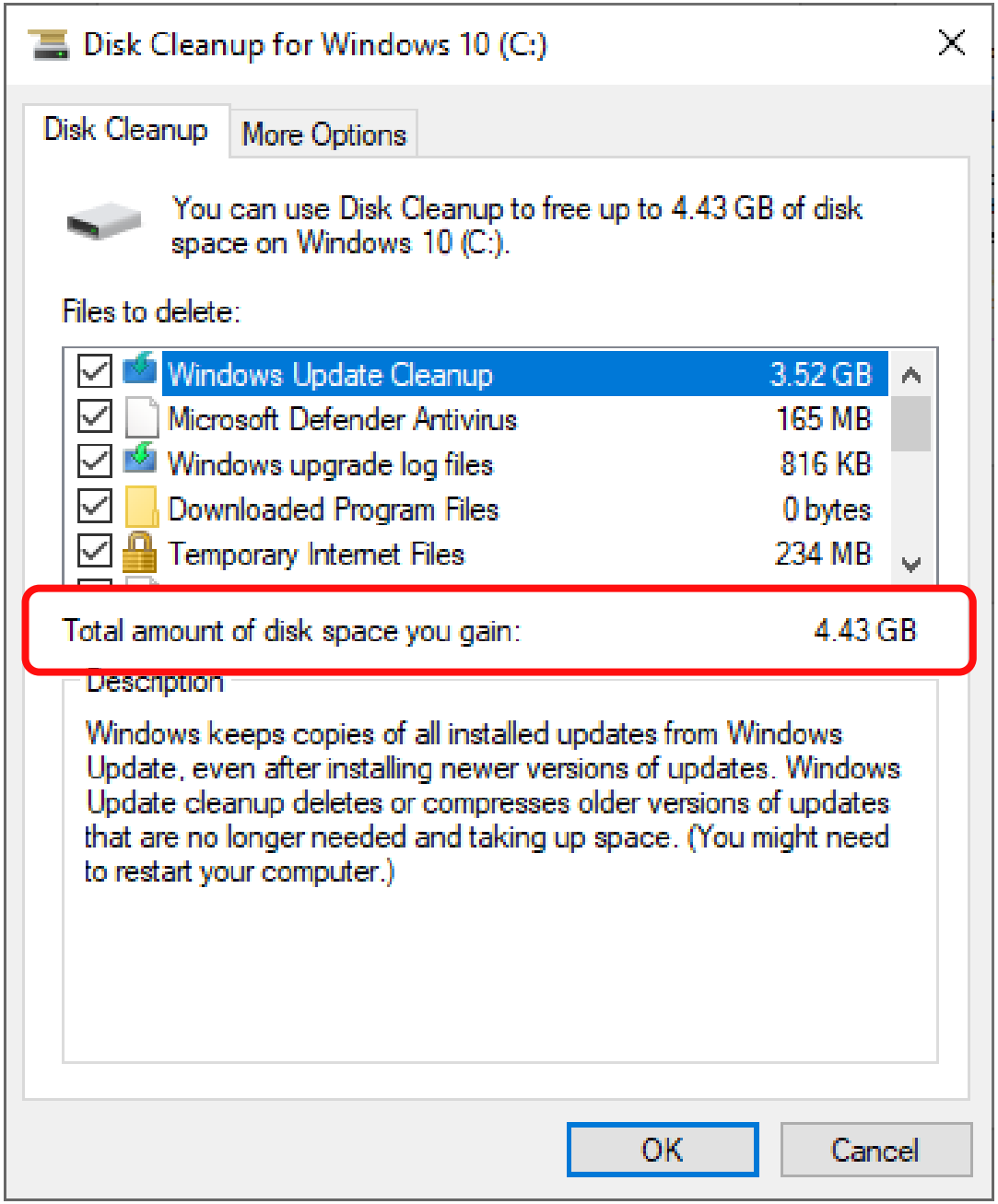
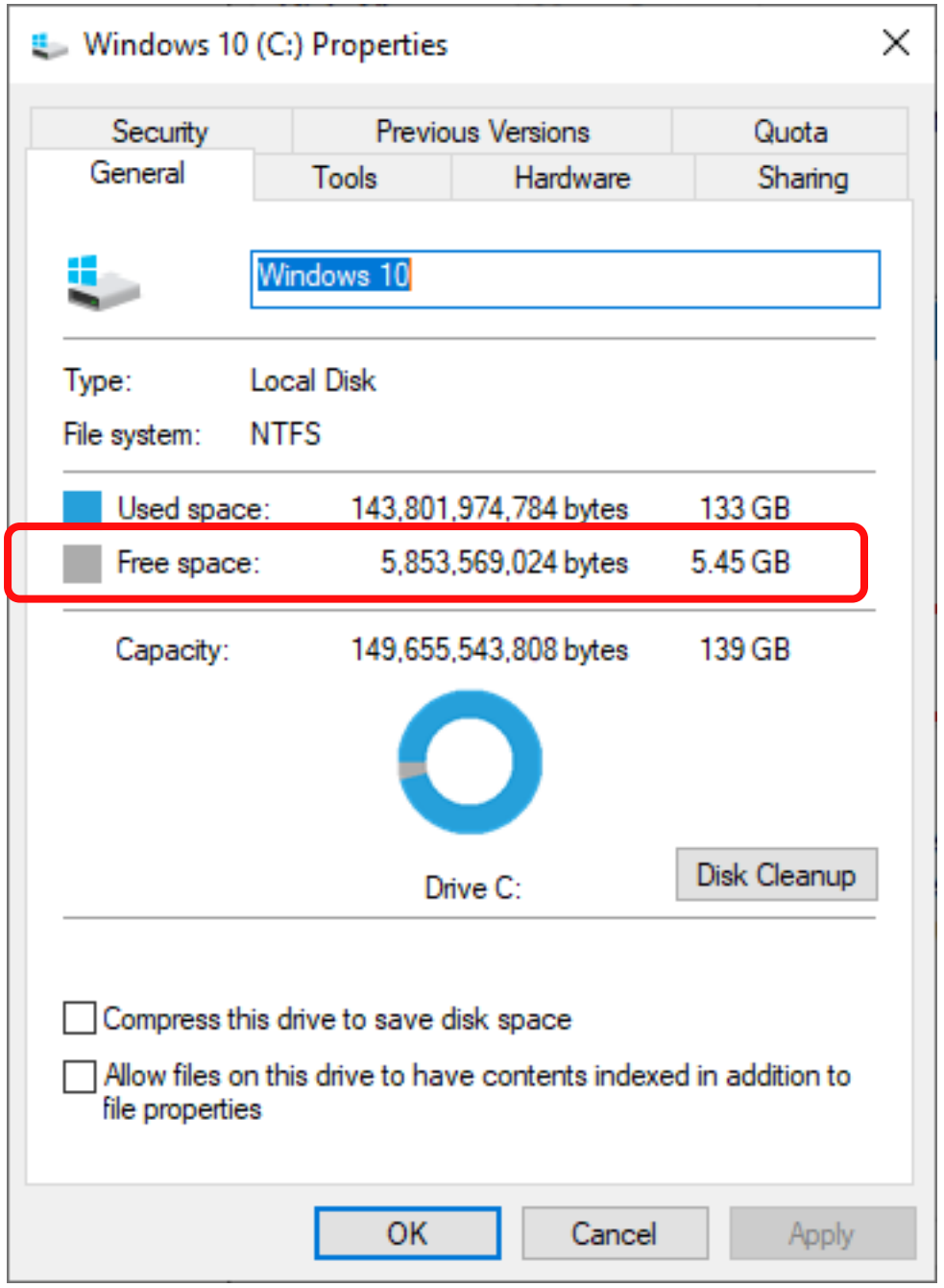



Disk Cleanup for Windows 10 (C:)
Disk Cleanup
You can use Disk Cleanup to free up to 542 MB of disk space on Windows 10 (C:).
Files to delete:
Downloaded Program Files 0 bytes
Temporary Internet Files 443 MB
Windows error reports and feedback di... 355 KB
DirectX Shader Cache 129 KB
Delivery Optimization Files 15.6 MB
Total amount of disk space you gain: 542 MB
Description
The Temporary Internet Files folder contains webpages stored on your hard disk for quick viewing. Your personalized settings for webpages will be left intact.
Clean up system files
View files
OK
Cancel


Disk Cleanup for Windows 10 (C:)
Disk Cleanup
You can use Disk Cleanup to free up to 542 MB of disk space on Windows 10 (C:).
Files to delete:
Downloaded Program Files 0 bytes
Temporary Internet Files 443 MB
Windows error reports and feedback di... 355 KB
DirectX Shader Cache 129 KB
Delivery Optimization Files 15.6 MB
Total amount of disk space you gain: 542 MB
Description
The Temporary Internet Files folder contains webpages stored on your hard disk for quick viewing. Your personalized settings for webpages will be left intact.
Clean up system files
View files
OK
Cancel


Disk Cleanup for Windows 10 (C:)
Disk Cleanup
More Options
You can use Disk Cleanup to free up to 4.43 GB of disk space on Windows 10 (C:).
Files to delete:
Windows Update Cleanup 3.52 GB
Microsoft Defender Antivirus 165 MB
Windows upgrade log files 816 KB
Downloaded Program Files 0 bytes
Temporary Internet Files 234 MB
Total amount of disk space you gain: 4.43 GB
Description
Windows keeps copies of all installed updates from Windows Update, even after installing newer versions of updates. Windows Update cleanup deletes or compresses older versions of updates that are no longer needed and taking up space. (You might need to restart your computer.)
OK
Cancel



Current	5.45
Original	3.8
Reclaimed	1.65

Where is my other ~3 GB?

Disk Cleanup tool provides an estimation, not a guaranteed immediate free space gain, and actual gain can be less due to system and file status factors.

Therefore, the "missing" ~3 GB you expected to be freed is because those files could not be deleted or were temporarily recreated, and your system's free space reporting reflects the actual deletions after cleanup.

Perplexity AI

Perplexity AI says...

- Empty the Recycle Bin
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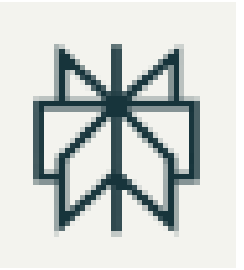
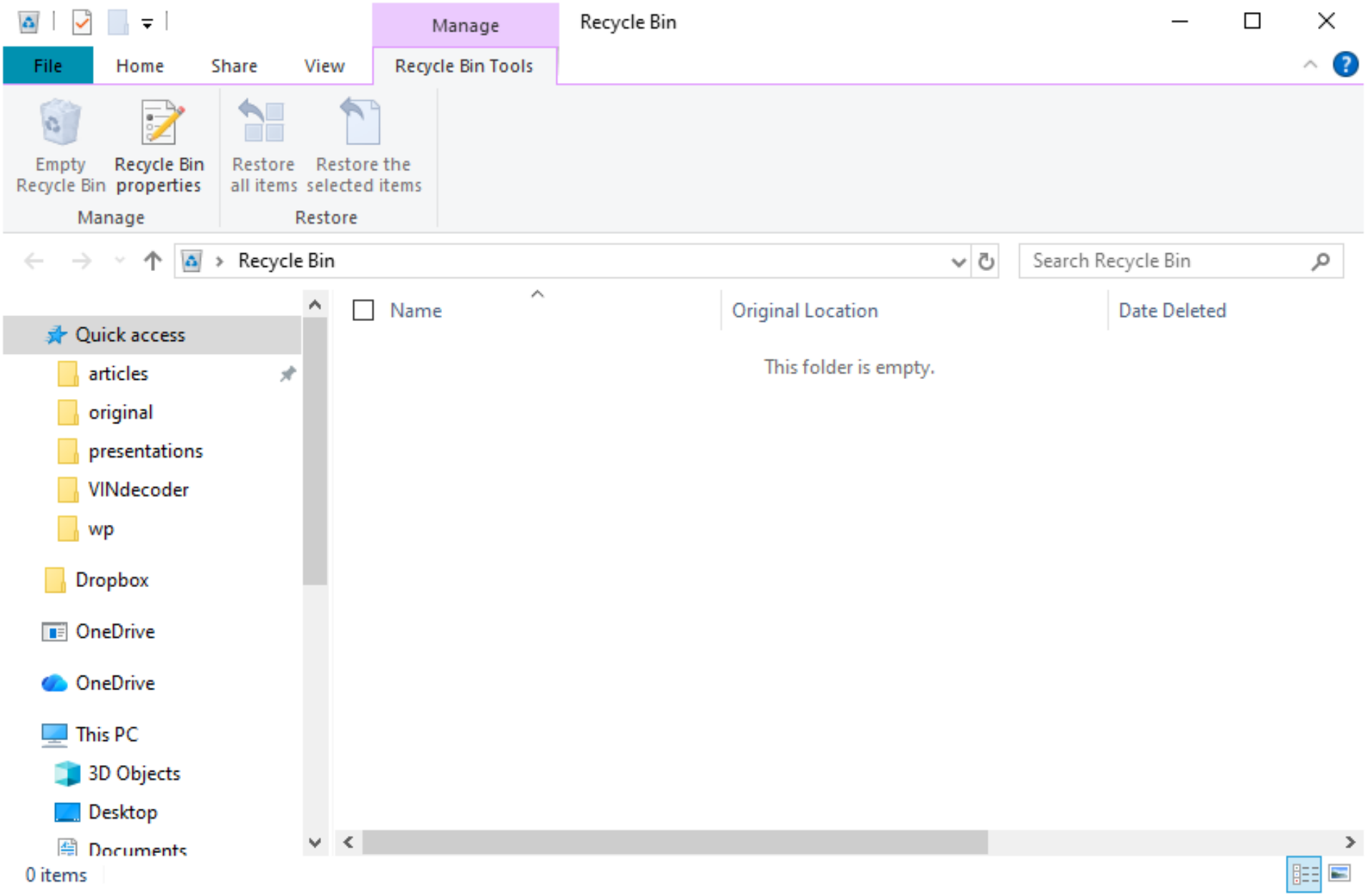
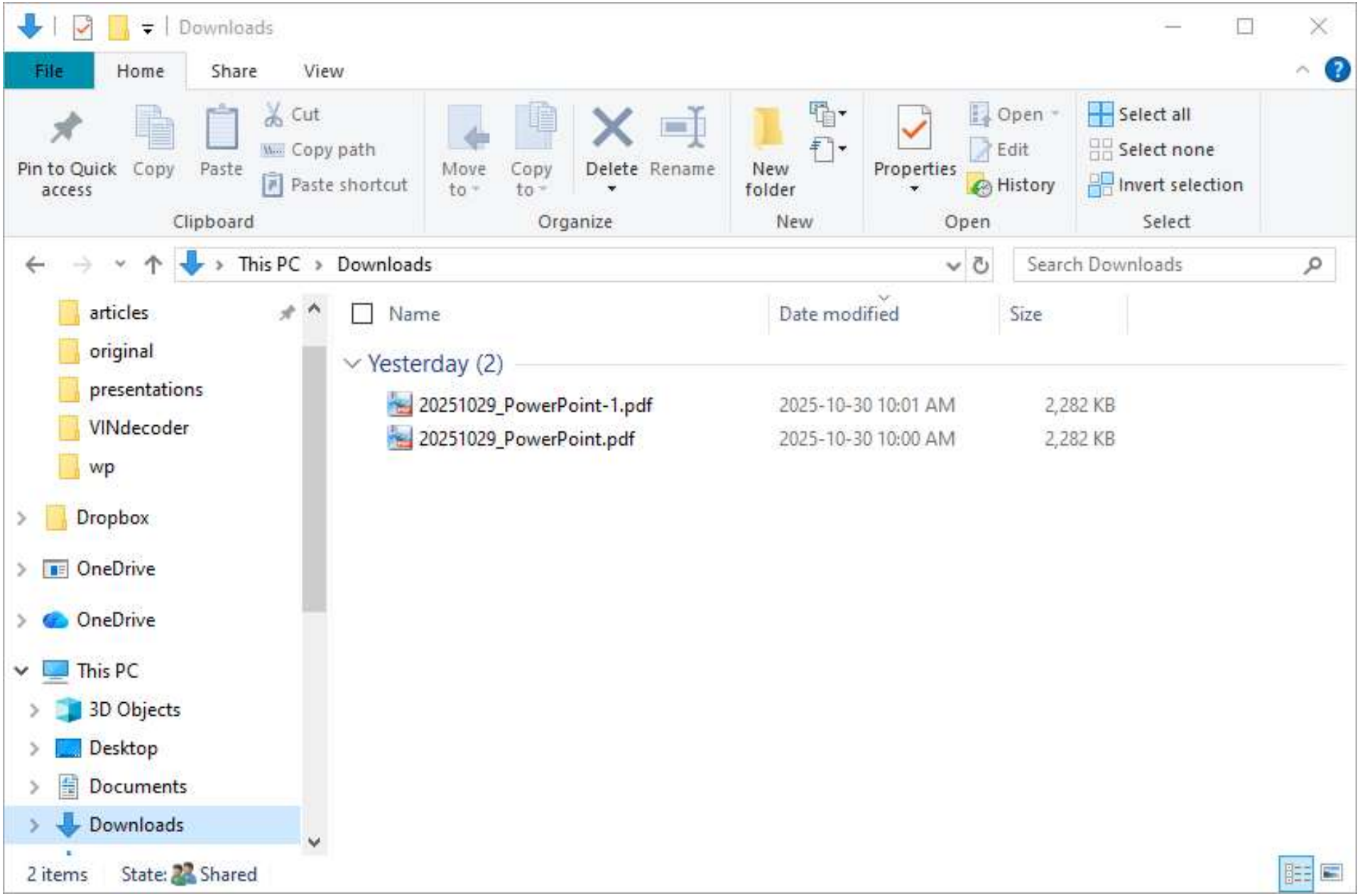



Manage
Recycle Bin
File
Home
Share
View
Recycle Bin Tools
Empty Recycle Bin
Recycle Bin properties
Manage
Restore all items
Restore the selected items
Restore
Recycle Bin
Search Recycle Bin
Quick access
articles
original
presentations
VINdecoder
wp
Dropbox
OneDrive
OneDrive
This PC
3D Objects
Desktop
Documents
Name
Original Location
Date Deleted
This folder is empty.
0 items


Downloads
File
Home
Share
View
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
This PC
Downloads
Search Downloads
articles
original
presentations
VINdecoder
wp
Dropbox
OneDrive
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Name
Date modified
Size
Yesterday (2)
20251029_PowerPoint-1.pdf
2025-10-30 10:01 AM
2,282 KB
20251029_PowerPoint.pdf
2025-10-30 10:00 AM
2,282 KB
2 items
State: Shared

An OPCUG Product Review

A Deep Dive into Disk Space Recovery

By Alan German

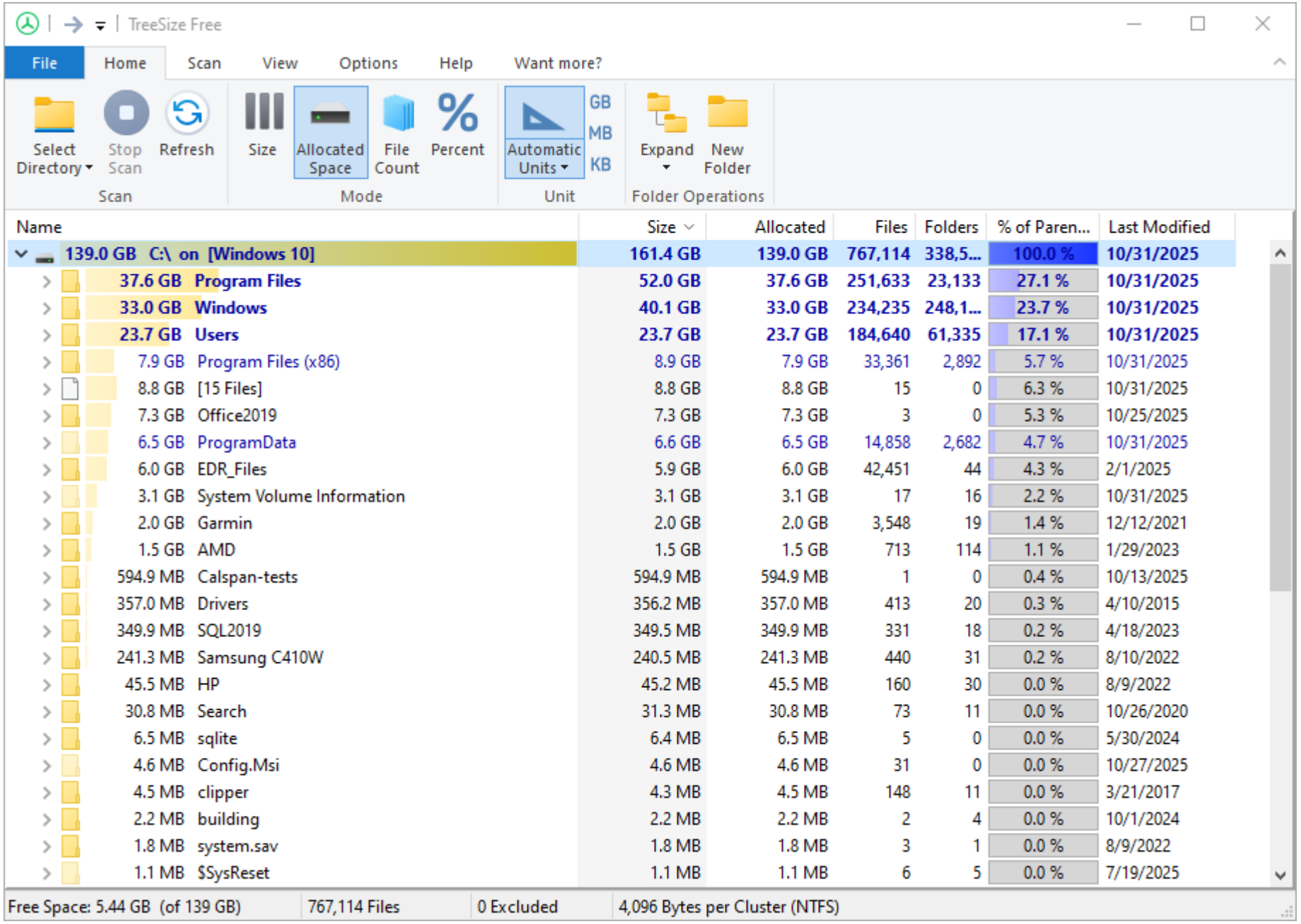
Recently, a friend complained that their laptop's hard disk was full and asked if I could assist in restoring some free space. There were two initial problems with this request: (1) my friend is somewhat "technically challenged" in terms of dealing with computers, and (b) was currently in Arizona so that the hardware was not readily accessible by me. Nevertheless, it was a simple matter to send step-by-step instructions by E-mail on how to run Disk Cleanup to remove unwanted data and system files. The next problem was that this created just less than 3 GB of free space. Time for a more aggressive approach!

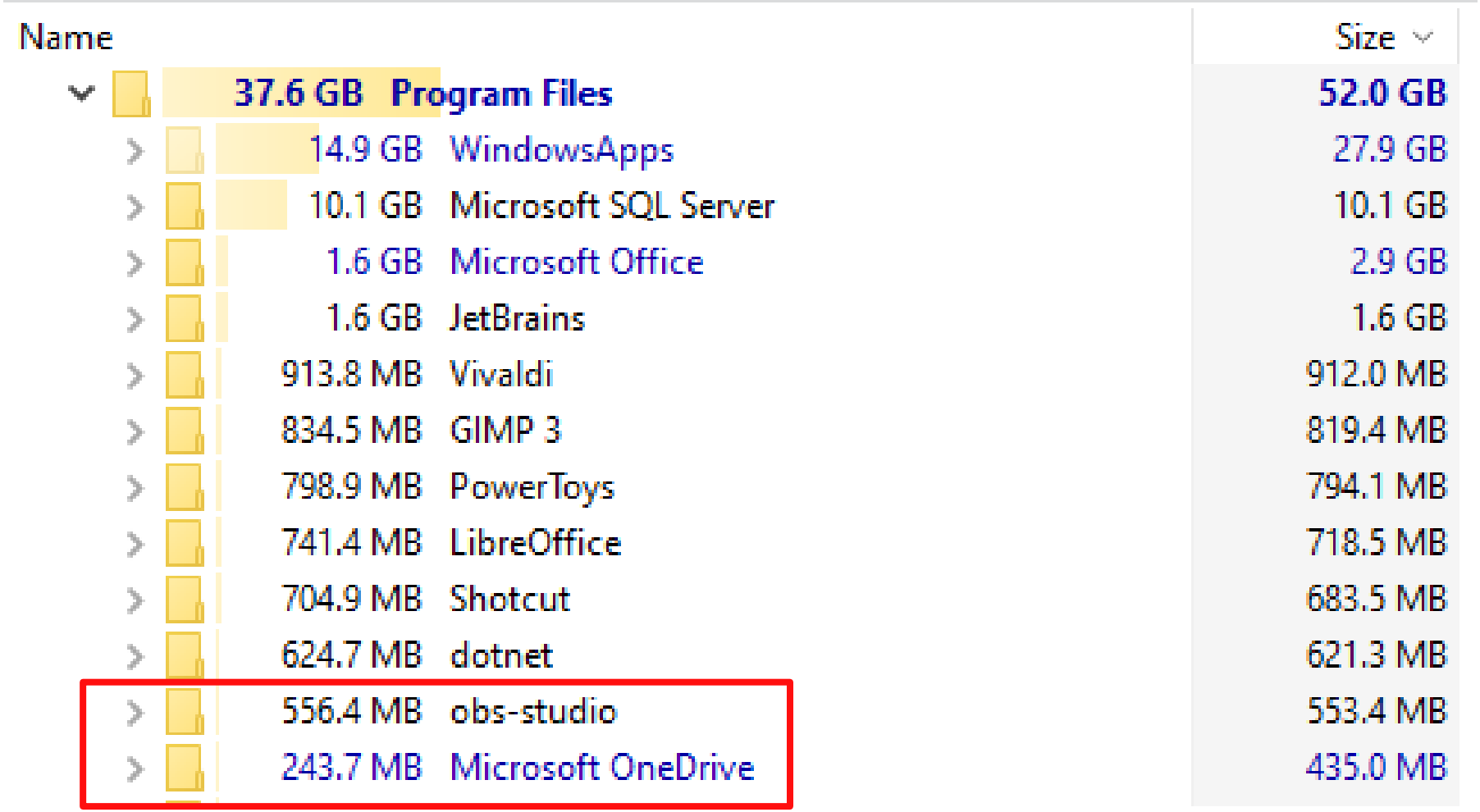
My first thought was to have my friend install and run the TreeSizeFree utility which I had previously used to identify the "space hogs" on my own hard drive (see: Sizing up the hard drive). But first, I thought I would try using this on my current hard drive so as to be able to provide detailed how-to instructions.

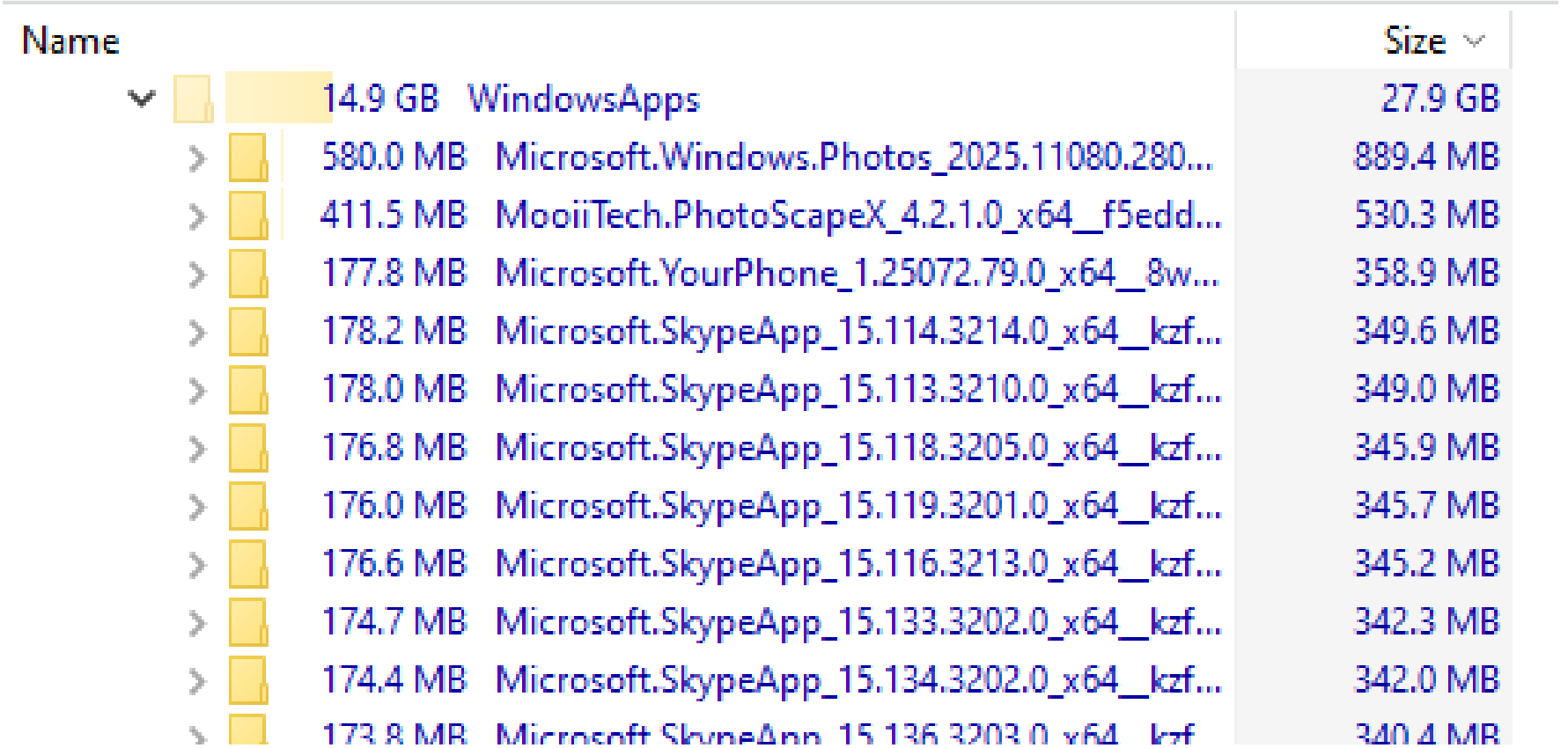
The results of this process were to say the least interesting. Running the utility and selecting Drive C: as the target drive produced the listing shown in part in Figure 1. TreeSizeFree sorts the file folders by size. This readily identifies the largest folders that may be the best targets for rapid space recovery. The tree directory listing also allows folders to be expanded to display their sub-folders and sizes, providing a means to drill down through the file

https://opcug.ca/Reviews/TreeSizeFree.pdf

https://www.jam-software.com/treesize


TreeSize Free
File
Home
Scan
View
Options
Help
Want more?
Select Directory
Stop Scan
Refresh
Scan
Size
Allocated Space
File Count
Percent
Mode
Automatic Units
GB
MB
KB
Unit
Expand
New Folder
Folder Operations
Name
Size
Allocated
Files
Folders
% of Paren...
Last Modified
139.0 GB C:\ on [Windows 10] 161.4 GB 139.0 GB 767,114 338,5... 100.0 % 10/31/2025
37.6 GB Program Files 52.0 GB 37.6 GB 251,633 23,133 27.1 % 10/31/2025
33.0 GB Windows 40.1 GB 33.0 GB 234,235 248,1... 23.7 % 10/31/2025
23.7 GB Users 23.7 GB 23.7 GB 184,640 61,335 17.1 % 10/31/2025
7.9 GB Program Files (x86) 8.9 GB 7.9 GB 33,361 2,892 5.7 % 10/31/2025
8.8 GB [15 Files] 8.8 GB 8.8 GB 15 0 6.3 % 10/31/2025
7.3 GB Office2019 7.3 GB 7.3 GB 3 0 5.3 % 10/25/2025
6.5 GB ProgramData 6.6 GB 6.5 GB 14,858 2,682 4.7 % 10/31/2025
6.0 GB EDR_Files 5.9 GB 6.0 GB 42,451 44 4.3 % 2/1/2025
3.1 GB System Volume Information 3.1 GB 3.1 GB 17 16 2.2 % 10/31/2025
2.0 GB Garmin 2.0 GB 2.0 GB 3,548 19 1.4 % 12/12/2021
1.5 GB AMD 1.5 GB 1.5 GB 713 114 1.1 % 1/29/2023
594.9 MB Calspan-tests 594.9 MB 594.9 MB 1 0 0.4 % 10/13/2025
357.0 MB Drivers 356.2 MB 357.0 MB 413 20 0.3 % 4/10/2015
349.9 MB SQL2019 349.5 MB 349.9 MB 331 18 0.2 % 4/18/2023
241.3 MB Samsung C410W 240.5 MB 241.3 MB 440 31 0.2 % 8/10/2022
45.5 MB HP 45.2 MB 45.5 MB 160 30 0.0 % 8/9/2022
30.8 MB Search 31.3 MB 30.8 MB 73 11 0.0 % 10/26/2020
6.5 MB sqlite 6.4 MB 6.5 MB 5 0 0.0 % 5/30/2024
4.6 MB Config.Msi 4.6 MB 4.6 MB 31 0 0.0 % 10/27/2025
4.5 MB clipper 4.3 MB 4.5 MB 148 11 0.0 % 3/21/2017
2.2 MB building 2.2 MB 2.2 MB 2 4 0.0 % 10/1/2024
1.8 MB system.sav 1.8 MB 1.8 MB 3 1 0.0 % 8/9/2022
1.1 MB $SysReset 1.1 MB 1.1 MB 6 5 0.0 % 7/19/2025
Free Space: 5.44 GB (of 139 GB)
767,114 Files
0 Excluded
4,096 Bytes per Cluster (NTFS)


Name
Size
37.6 GB Program Files
52.0 GB
14.9 GB WindowsApps
27.9 GB
10.1 GB Microsoft SQL Server
10.1 GB
1.6 GB Microsoft Office
2.9 GB
1.6 GB JetBrains
1.6 GB
913.8 MB Vivaldi
912.0 MB
834.5 MB GIMP 3
819.4 MB
798.9 MB PowerToys
794.1 MB
741.4 MB LibreOffice
718.5 MB
704.9 MB Shotcut
683.5 MB
624.7 MB dotnet
621.3 MB
556.4 MB obs-studio
553.4 MB
243.7 MB Microsoft OneDrive
435.0 MB


Name
Size
14.9 GB WindowsApps
27.9 GB
580.0 MB Microsoft.Windows.Photos_2025.11080.280...
889.4 MB
411.5 MB MooiiTech.PhotoScapeX_4.2.1.0_x64__f5edd...
530.3 MB
177.8 MB Microsoft.YourPhone_1.25072.79.0_x64__8w...
358.9 MB
178.2 MB Microsoft.SkypeApp_15.114.3214.0_x64__kzf...
349.6 MB
178.0 MB Microsoft.SkypeApp_15.113.3210.0_x64__kzf...
349.0 MB
176.8 MB Microsoft.SkypeApp_15.118.3205.0_x64__kzf...
345.9 MB
176.0 MB Microsoft.SkypeApp_15.119.3201.0_x64__kzf...
345.7 MB
176.6 MB Microsoft.SkypeApp_15.116.3213.0_x64__kzf...
345.2 MB
174.7 MB Microsoft.SkypeApp_15.133.3202.0_x64__kzf...
342.3 MB
174.4 MB Microsoft.SkypeApp_15.134.3202.0_x64__kzf...
342.0 MB

windows 10 can I remove the photos app completely

Answer | Images

Isumsoft
2 Methods to Remove/Uninstall the...

itsupportguides.com
Photos app

Ghacks Technology Ne...
How to uninstall Photos from Windows 11

Process Street | Comp...
How to Uninstall Microsoft Photos - Process...

Assistant steps >

Yes, you can completely remove the Photos app from Windows 10, but you need to use PowerShell or specialized tools because it's a built-in app that doesn't allow uninstallation through normal settings or Control Panel methods for most users. isumsoft +1 youtube

PowerShell Command Method

- Open Windows PowerShell as an administrator (Win + X, then select Windows PowerShell (Admin)).
- Enter the following command:

```text
get-appxpackage *Microsoft.Windows.Photos* | remove-appxpackage
```

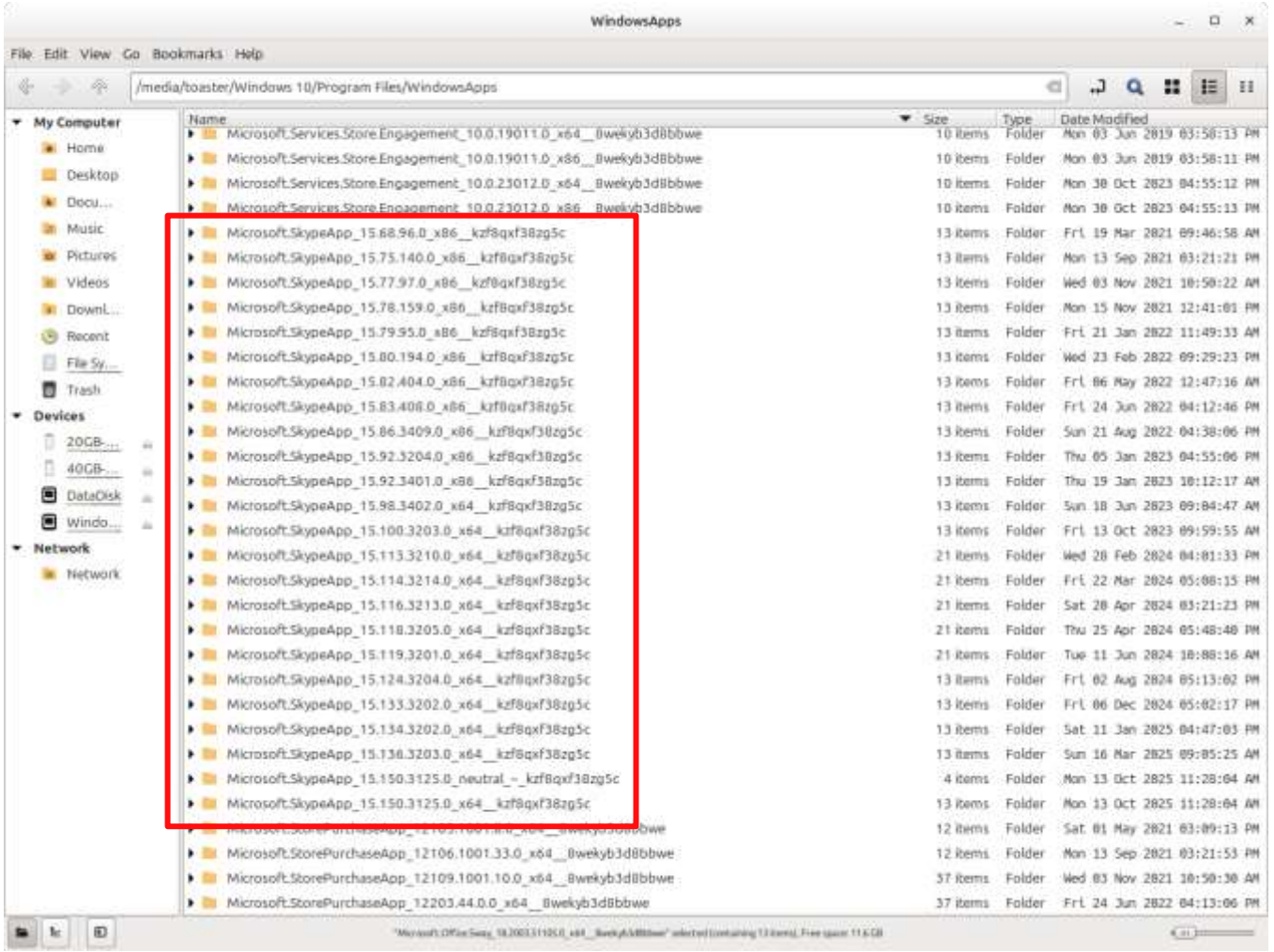
- Press Enter. This will uninstall the Photos app for the current user. ghacks +1 youtube

This didn't work well for me...

- Using Powershell as an administrator and commands obtained from Copillot:
  - Temporarily take ownership (*takeown*) of the WindowsApps folder
  - List all the SkypeApp folders
  - Delete (*Remove-Item*) the SkypeApp Folders
  - Restore permission (*icacls*) in WindowsApps
- Creates 2.6 GB of free disk space
- Breaks Copilot!

But, I have an easier way

- Boot into Linux
- Delete the SkypeApp folders



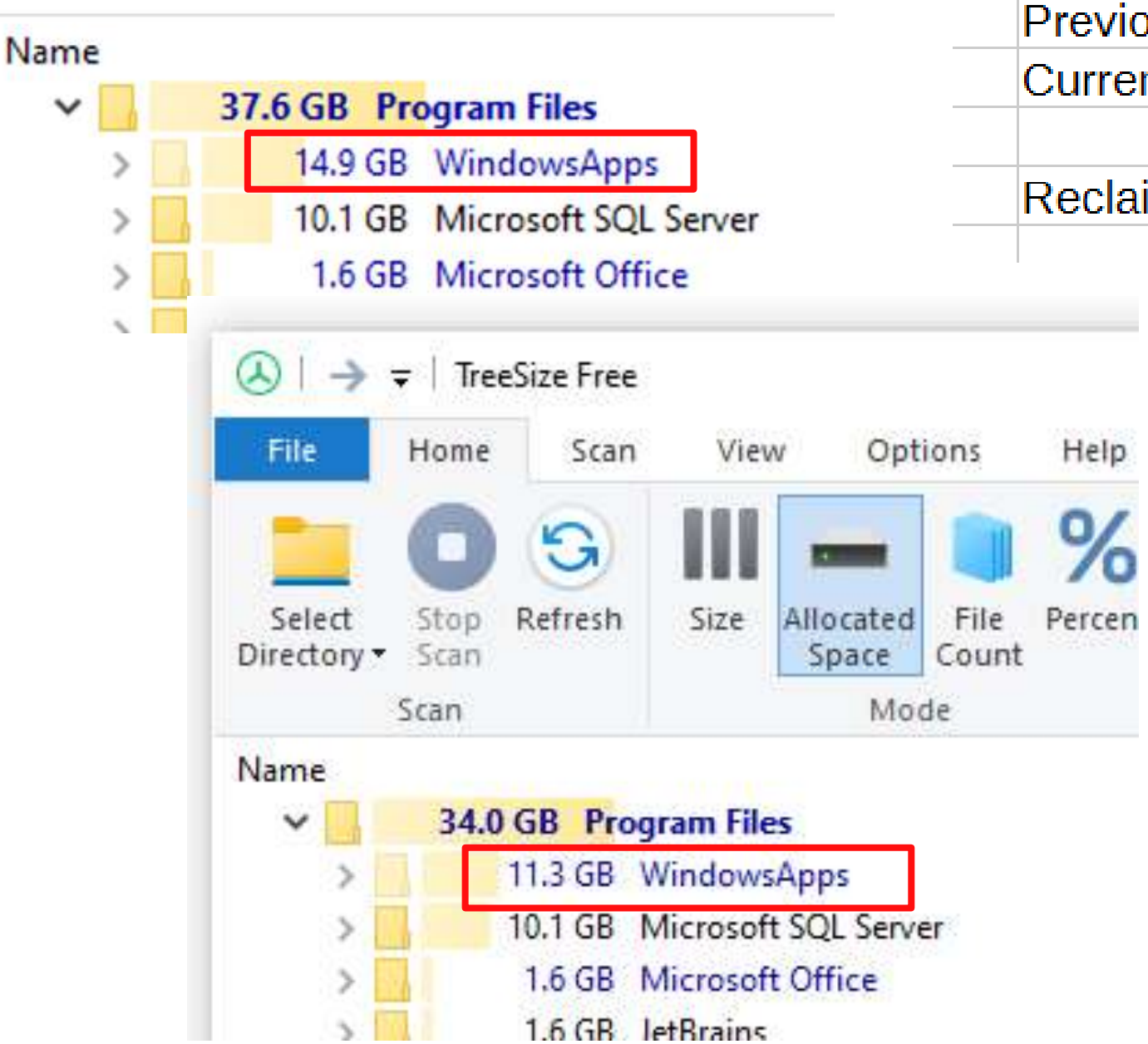
Caution when using Linux

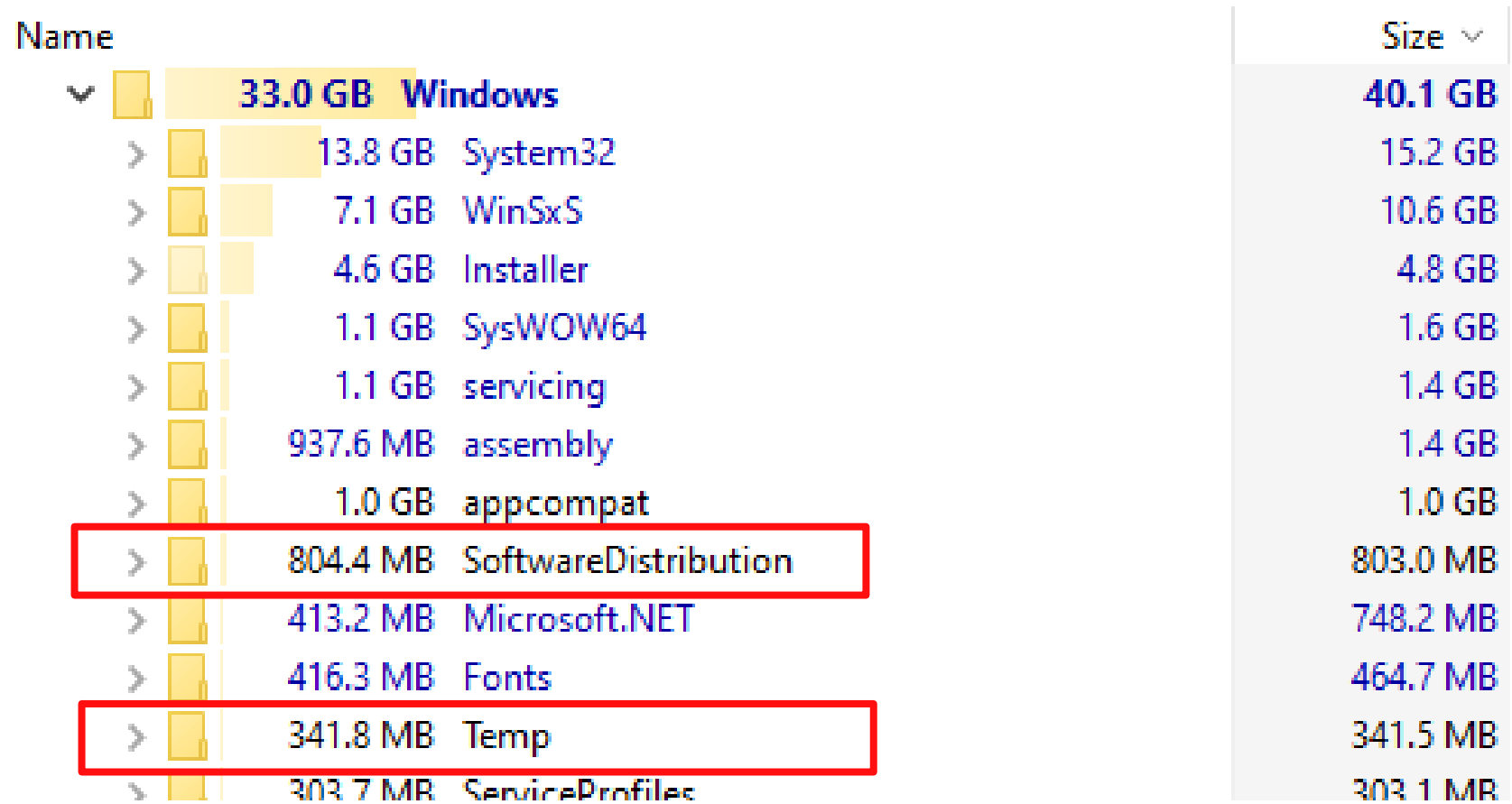
- Make sure that "Fast Startup" is not enabled
- If it is and you boot into Linux, the Windows partition will be locked as read-only
- Fast Startup is enabled by default on most computers
- To disable "Fast Startup":

Control Panel > *Hardware and Sound* > *Power Options* > *Choose what the power buttons do* > *Change settings that are currently unavailable* > *Shutdown settings section* > *Uncheck Turn on fast startup*

Chris Taylor

	Previous	14.9
	Current	11.3
	Reclaimed	3.6

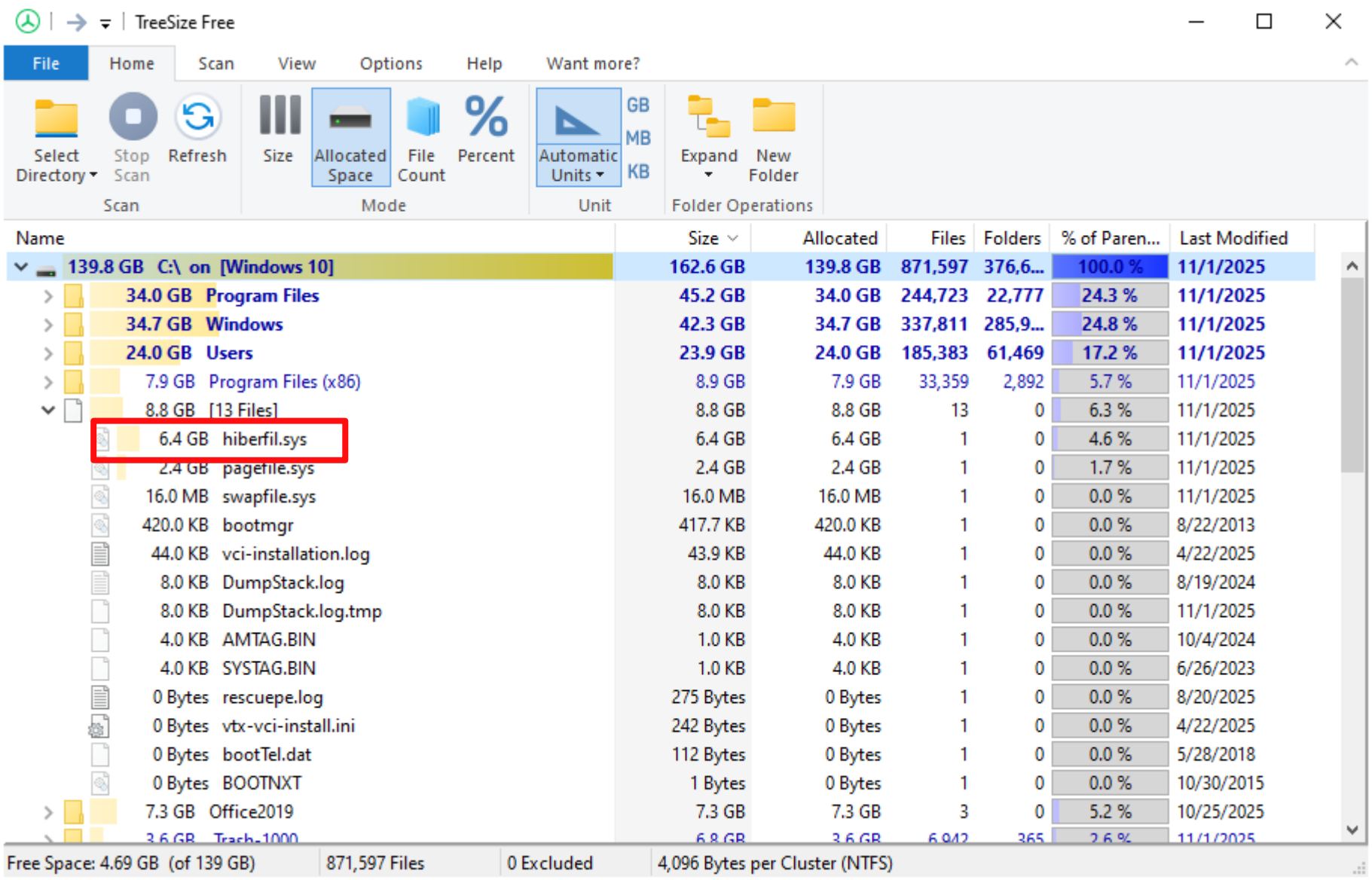



Name
Size
33.0 GB Windows
40.1 GB
13.8 GB System32
15.2 GB
7.1 GB WinSxS
10.6 GB
4.6 GB Installer
4.8 GB
1.1 GB SysWOW64
1.6 GB
1.1 GB servicing
1.4 GB
937.6 MB assembly
1.4 GB
1.0 GB appcompat
1.0 GB
804.4 MB SoftwareDistribution
803.0 MB
413.2 MB Microsoft.NET
748.2 MB
416.3 MB Fonts
464.7 MB
341.8 MB Temp
341.5 MB

The Software Distribution folder in Windows is primarily used to store temporary files related to Windows Update. This includes downloaded update packages, installation files, and metadata required for managing and applying system updates. It acts as a staging area where Windows keeps the files necessary to install new updates, bug fixes, security patches, and feature enhancements to keep the system secure and up to date.

The folder is essential for the Windows Update process, but its contents can become corrupted or take up significant disk space over time. In such cases, deleting or renaming the folder is a common troubleshooting step to resolve update errors.

When deleted, Windows will recreate the folder and download the necessary components again during the next update check.

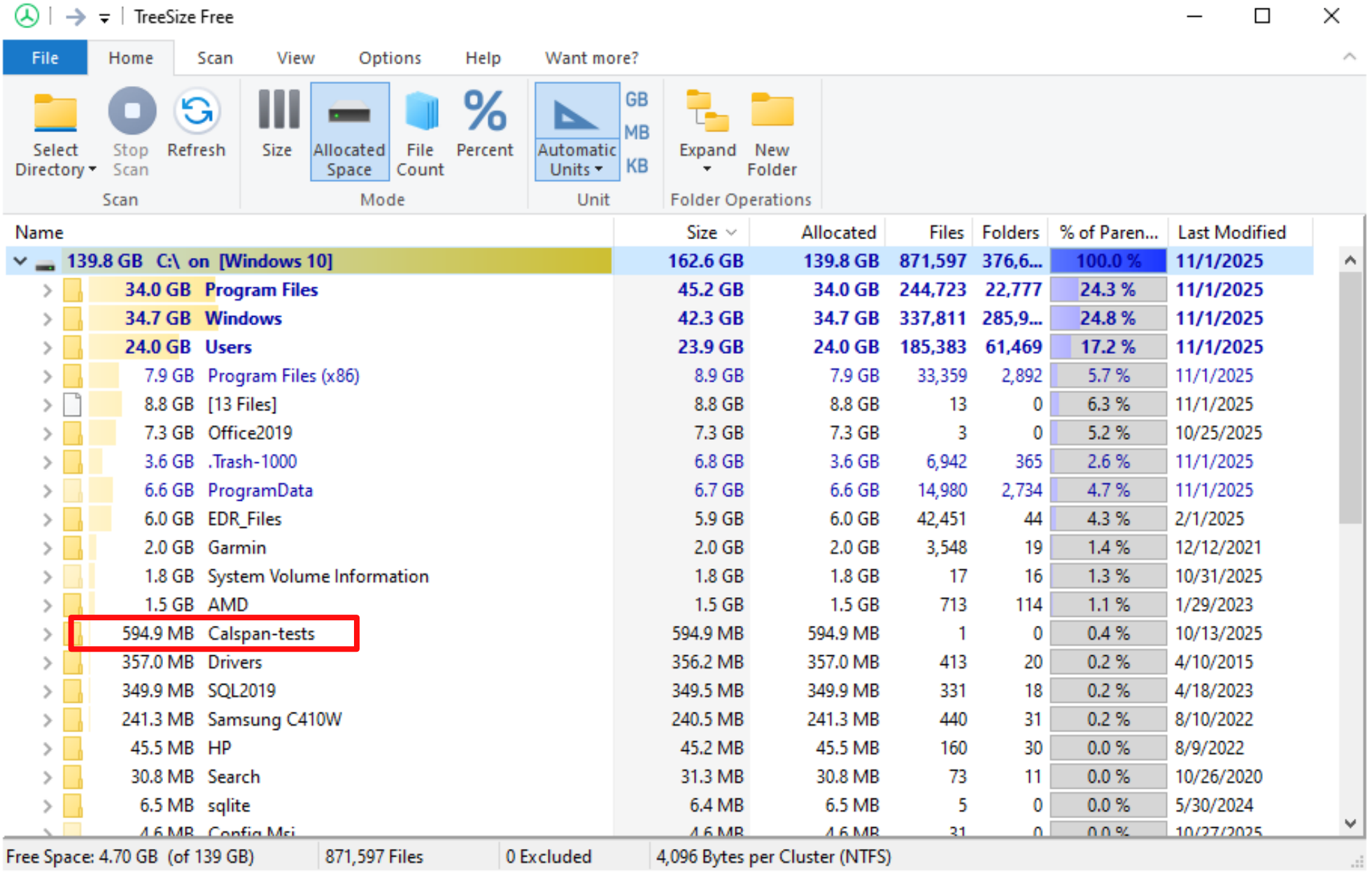

TreeSize Free
File
Home
Scan
View
Options
Help
Want more?
Select Directory
Stop Scan
Refresh
Scan
Size
Allocated Space
File Count
Percent
Mode
Automatic Units
GB
MB
KB
Unit
Expand
New Folder
Folder Operations
Name
Size
Allocated
Files
Folders
% of Paren...
Last Modified
139.8 GB C:\ on [Windows 10] 162.6 GB 139.8 GB 871,597 376,6... 100.0 % 11/1/2025
34.0 GB Program Files 45.2 GB 34.0 GB 244,723 22,777 24.3 % 11/1/2025
34.7 GB Windows 42.3 GB 34.7 GB 337,811 285,9... 24.8 % 11/1/2025
24.0 GB Users 23.9 GB 24.0 GB 185,383 61,469 17.2 % 11/1/2025
7.9 GB Program Files (x86) 8.9 GB 7.9 GB 33,359 2,892 5.7 % 11/1/2025
8.8 GB [13 Files] 8.8 GB 8.8 GB 13 0 6.3 % 11/1/2025
6.4 GB hiberfil.sys 6.4 GB 6.4 GB 1 0 4.6 % 11/1/2025
2.4 GB pagefile.sys 2.4 GB 2.4 GB 1 0 1.7 % 11/1/2025
16.0 MB swapfile.sys 16.0 MB 16.0 MB 1 0 0.0 % 11/1/2025
420.0 KB bootmgr 417.7 KB 420.0 KB 1 0 0.0 % 8/22/2013
44.0 KB vci-installation.log 43.9 KB 44.0 KB 1 0 0.0 % 4/22/2025
8.0 KB DumpStack.log 8.0 KB 8.0 KB 1 0 0.0 % 8/19/2024
8.0 KB DumpStack.log.tmp 8.0 KB 8.0 KB 1 0 0.0 % 11/1/2025
4.0 KB AMTAG.BIN 1.0 KB 4.0 KB 1 0 0.0 % 10/4/2024
4.0 KB SYSTAG.BIN 1.0 KB 4.0 KB 1 0 0.0 % 6/26/2023
0 Bytes rescuepe.log 275 Bytes 0 Bytes 1 0 0.0 % 8/20/2025
0 Bytes vtx-vci-install.ini 242 Bytes 0 Bytes 1 0 0.0 % 4/22/2025
0 Bytes bootTel.dat 112 Bytes 0 Bytes 1 0 0.0 % 5/28/2018
0 Bytes BOOTNXT 1 Bytes 0 Bytes 1 0 0.0 % 10/30/2015
7.3 GB Office2019 7.3 GB 7.3 GB 3 0 5.2 % 10/25/2025
Free Space: 4.69 GB (of 139 GB)
871,597 Files
0 Excluded
4,096 Bytes per Cluster (NTFS)

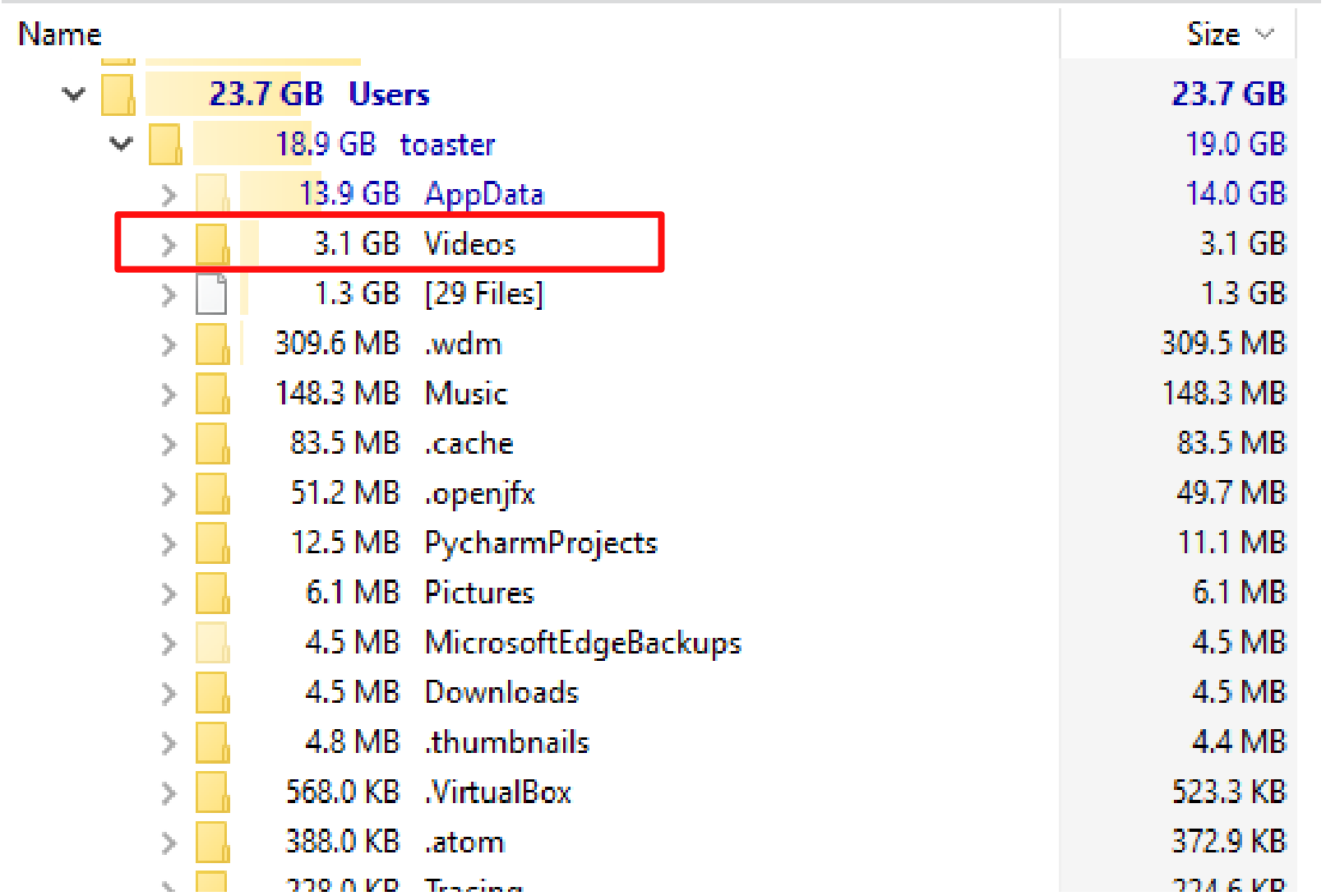
hiberfil.sys

- I don’t use hibernation
- Disable this feature in a command window running as an administrator

powercfg /hibernate off

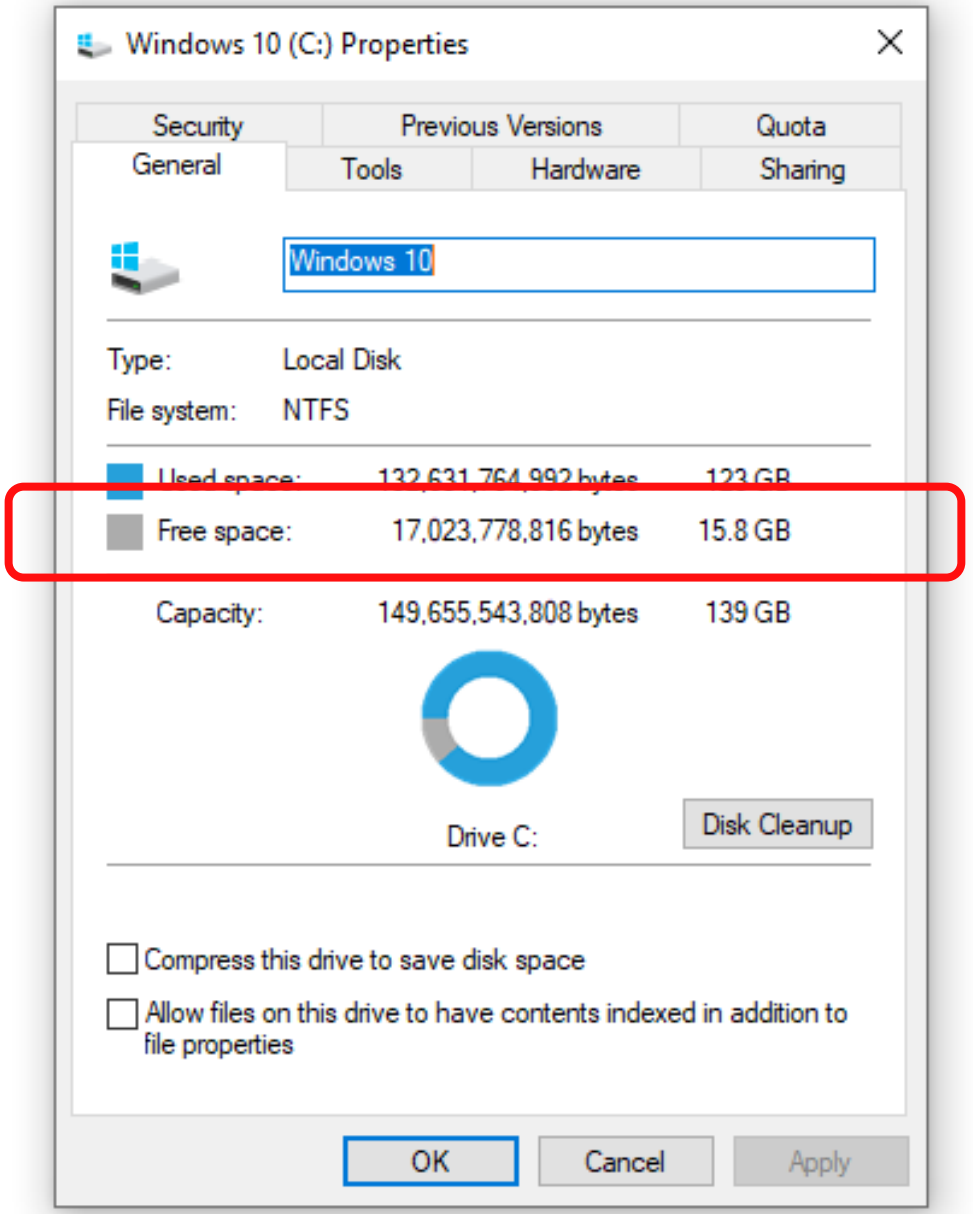
- Turns off hibernation and automatically removes hiberfil.sys


TreeSize Free
File
Home
Scan
View
Options
Help
Want more?
Select Directory
Stop Scan
Refresh
Scan
Size
Allocated Space
File Count
Percent
Mode
Automatic Units
GB
MB
KB
Unit
Expand
New Folder
Folder Operations
Name
Size
Allocated
Files
Folders
% of Paren...
Last Modified
139.8 GB C:\ on [Windows 10] 162.6 GB 139.8 GB 871,597 376,6... 100.0 % 11/1/2025
34.0 GB Program Files 45.2 GB 34.0 GB 244,723 22,777 24.3 % 11/1/2025
34.7 GB Windows 42.3 GB 34.7 GB 337,811 285,9... 24.8 % 11/1/2025
24.0 GB Users 23.9 GB 24.0 GB 185,383 61,469 17.2 % 11/1/2025
7.9 GB Program Files (x86) 8.9 GB 7.9 GB 33,359 2,892 5.7 % 11/1/2025
8.8 GB [13 Files] 8.8 GB 8.8 GB 13 0 6.3 % 11/1/2025
7.3 GB Office2019 7.3 GB 7.3 GB 3 0 5.2 % 10/25/2025
3.6 GB .Trash-1000 6.8 GB 3.6 GB 6,942 365 2.6 % 11/1/2025
6.6 GB ProgramData 6.7 GB 6.6 GB 14,980 2,734 4.7 % 11/1/2025
6.0 GB EDR_Files 5.9 GB 6.0 GB 42,451 44 4.3 % 2/1/2025
2.0 GB Garmin 2.0 GB 2.0 GB 3,548 19 1.4 % 12/12/2021
1.8 GB System Volume Information 1.8 GB 1.8 GB 17 16 1.3 % 10/31/2025
1.5 GB AMD 1.5 GB 1.5 GB 713 114 1.1 % 1/29/2023
594.9 MB Calspan-tests 594.9 MB 594.9 MB 1 0 0.4 % 10/13/2025
357.0 MB Drivers 356.2 MB 357.0 MB 413 20 0.2 % 4/10/2015
349.9 MB SQL2019 349.5 MB 349.9 MB 331 18 0.2 % 4/18/2023
241.3 MB Samsung C410W 240.5 MB 241.3 MB 440 31 0.2 % 8/10/2022
45.5 MB HP 45.2 MB 45.5 MB 160 30 0.0 % 8/9/2022
30.8 MB Search 31.3 MB 30.8 MB 73 11 0.0 % 10/26/2020
6.5 MB sqlite 6.4 MB 6.5 MB 5 0 0.0 % 5/30/2024
Free Space: 4.70 GB (of 139 GB)
871,597 Files
0 Excluded
4,096 Bytes per Cluster (NTFS)


Name
Size
23.7 GB Users
23.7 GB
18.9 GB toaster
19.0 GB
13.9 GB AppData
14.0 GB
3.1 GB Videos
3.1 GB
1.3 GB [29 Files]
1.3 GB
309.6 MB .wdm
309.5 MB
148.3 MB Music
148.3 MB
83.5 MB .cache
83.5 MB
51.2 MB .openjfx
49.7 MB
12.5 MB PycharmProjects
11.1 MB
6.1 MB Pictures
6.1 MB
4.5 MB MicrosoftEdgeBackups
4.5 MB
4.5 MB Downloads
4.5 MB
4.8 MB .thumbnails
4.4 MB
568.0 KB .VirtualBox
523.3 KB
388.0 KB .atom
372.9 KB

Perhaps I really do need some help from this guy!

But, then again...



Computer Basics

Memo to: SuggestionBox@opcug.ca

My wish list is as follows:

1.

2.

3.

My most-used apps
Part 2

PDF-XChange Viewer
(superseded by PDF-XChange Editor)

https://www.pdf-xchange.com/product/pdf-xchange-editor

PDFsam Basic

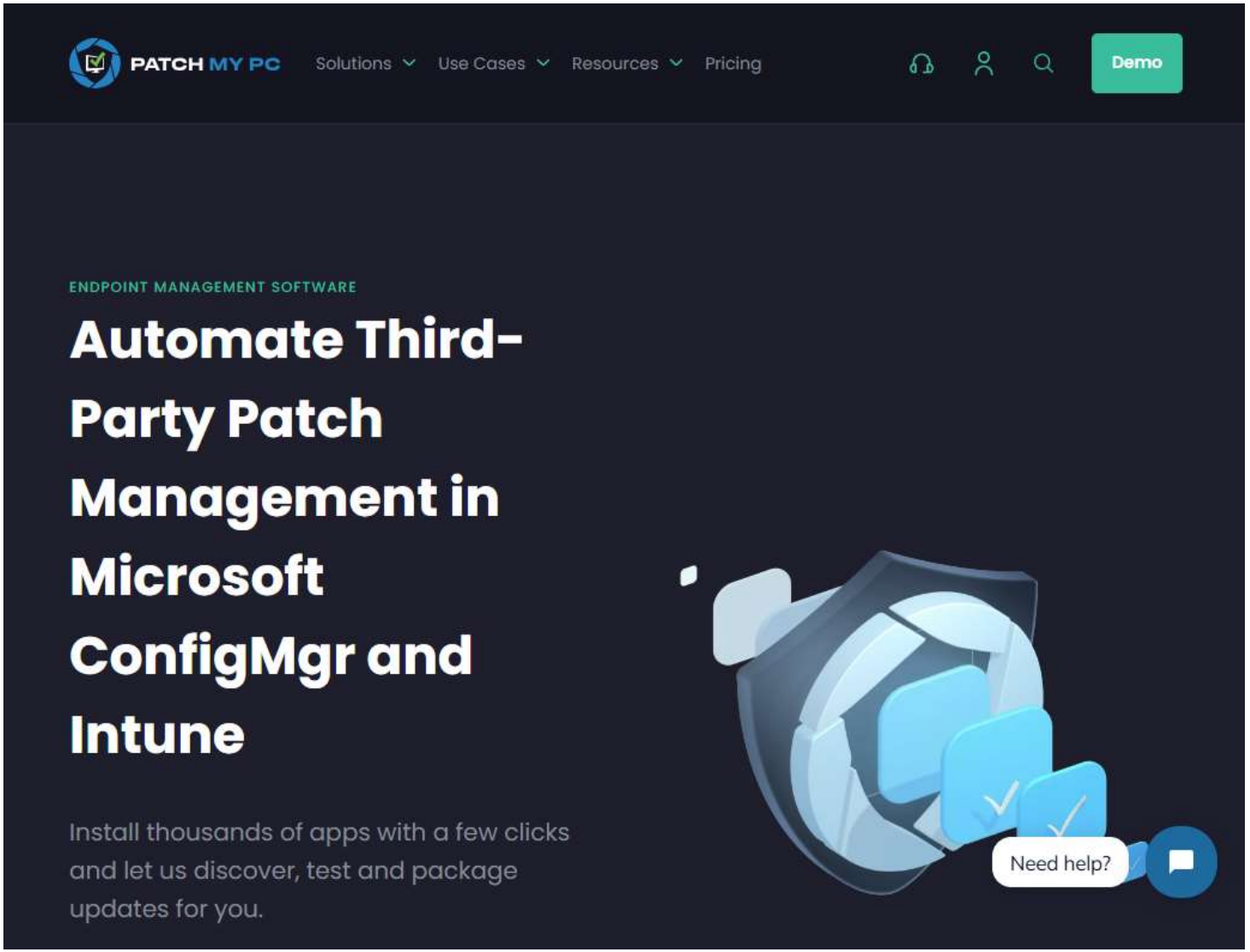
https://pdfsam.org/download-pdfsam-basic/

TreeSizeFree

intel SAP SIEMENS IBM Microsoft Hewlett Packard Enterprise

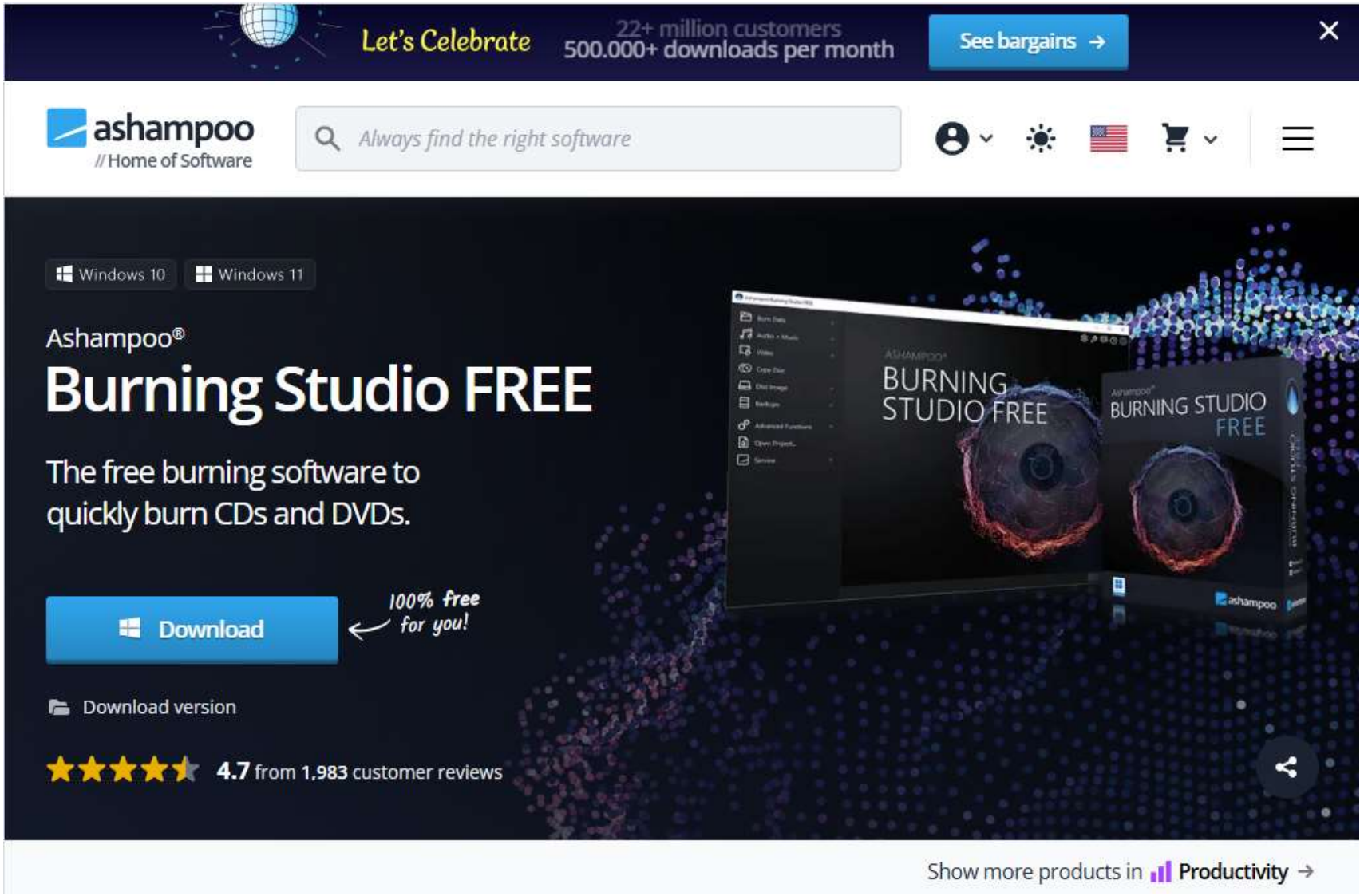
https://www.jam-software.com/treesize

PatchMyPC



https://patchmypc.com

Ashampoo Burning Studio Free



https://www.ashampoo.com/en-us/burning-studio-free

7-Zip

Home
7z Format
LZMA SDK
Download
FAQ
Support
Links

English
Chinese Simpl.
Chinese Trad.
Esperanto
French
German
Japanese
Portuguese Brazil
Spanish
Thai
Vietnamese

7-max

7-Zip

7-Zip is a file archiver with a high compression ratio.

Download 7-Zip 25.01 (2025-08-03) for Windows x64 (64-bit):

Link	Type	Windows	Size
Download	.exe	64-bit x64	1.6 MB

Download 7-Zip 25.01 for another Windows platforms (32-bit x86 or ARM64):

Link	Type	Windows	Size
Download	.exe	32-bit x86	1.3 MB
Download	.exe	64-bit ARM64	1.5 MB

License

7-Zip is **free software** with **open source**. The most of the code is under the **GNU LGPL** license. Some parts of the code are under the BSD 3-clause License. Also there is unRAR license restriction for some parts of the code. Read 7-Zip License information.

You can use 7-Zip on any computer, including a computer in a commercial organization. You don't need to register or pay for 7-Zip.

The main features of 7-Zip

- High compression ratio in 7z format with **LZMA** and **LZMA2** compression
- Supported formats:
  - Packing / unpacking: 7z, XZ, BZIP2, GZIP, TAR, ZIP and WIM
  - Unpacking only: APFS, AR, ARJ, CAB, CHM, CPIO, CramFS, DMG, EXT, FAT, GPT, HFS, IHEX, ISO, LZH, LZMA, MBR, MSI, NSIS, NTFS, QCOW2, RAR, RPM, SquashFS, UDF, UEFI, VDI, VHD, VHDX, VMDK, XAR and Z.

7-Zip 25.01	2025-08-03
7-Zip 25.01	

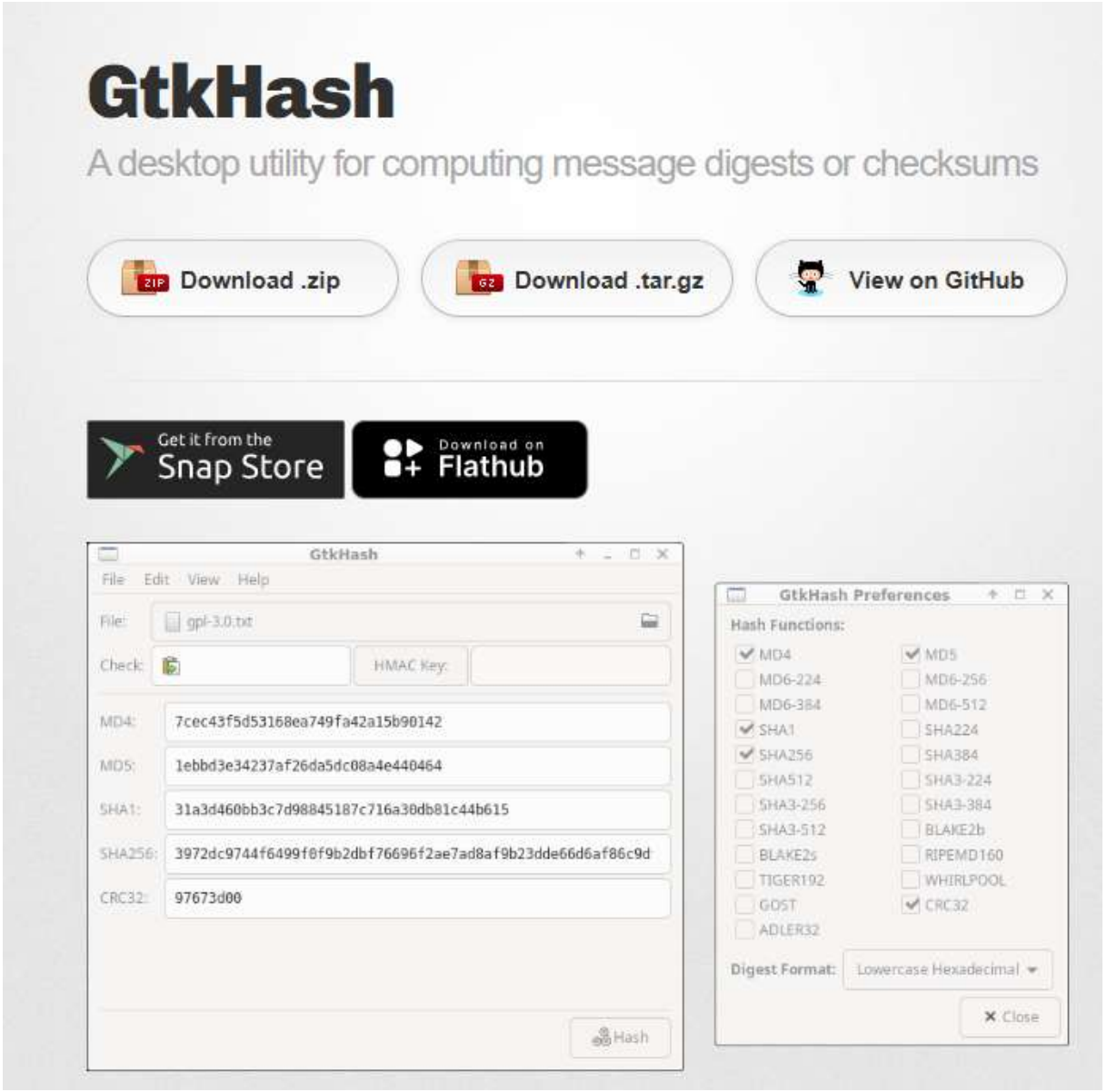
7-Zip 25.00	2025-07-05
7-Zip 25.00	

7-Zip 24.09	2024-11-29
7-Zip 24.09	

7-Zip ChangeLog
History of 7-zip changes

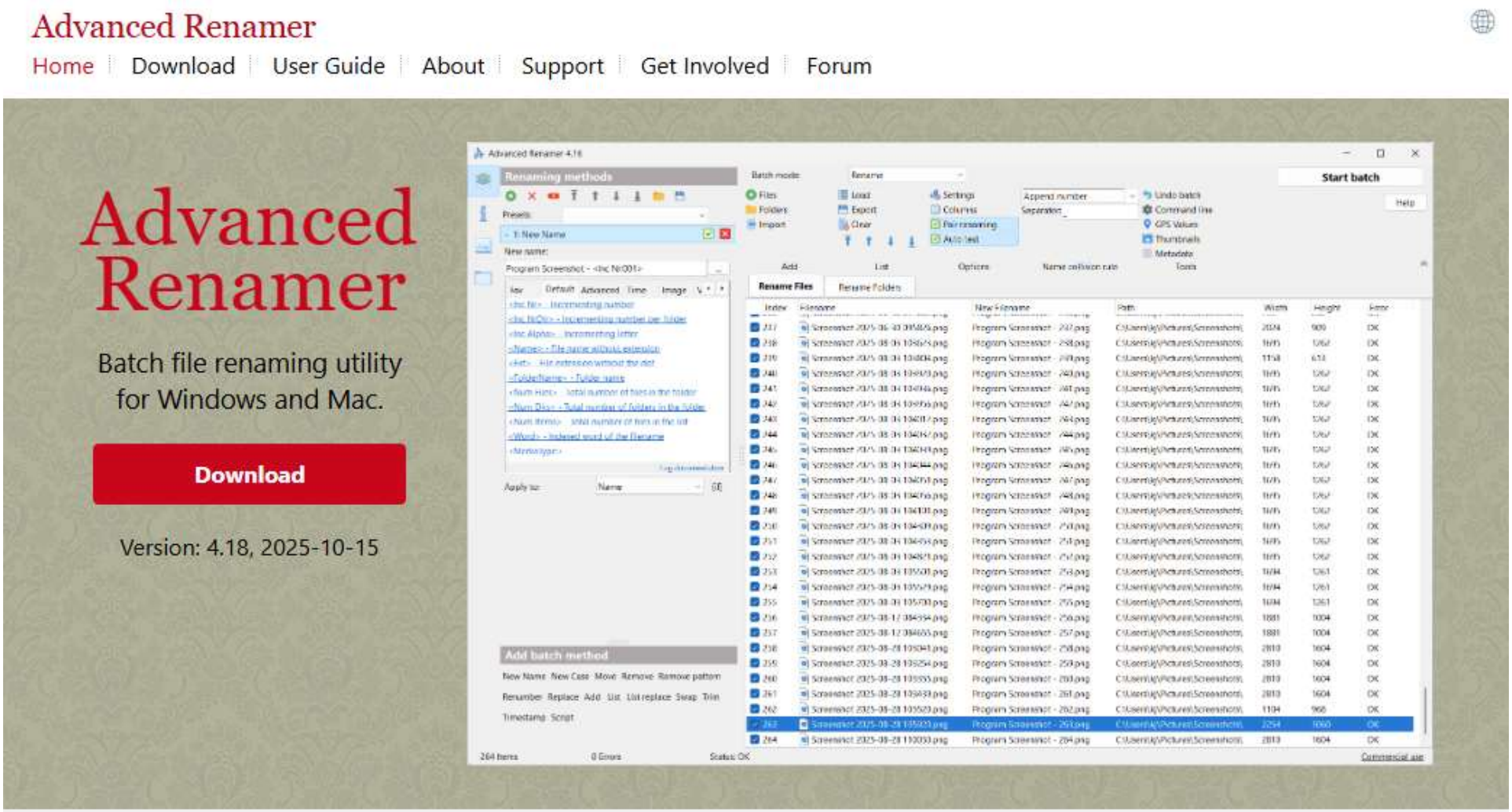
https://www.7-zip.org

GtkHash



https://gtkhash.org

Advanced Renamer



https://www.advancedrenamer.com

Veracrypt

English

Home | Source Code | Downloads | Documentation | Donate | Forums

VeraCrypt is a free open source disk encryption software for Windows, Mac OSX and Linux. Brought to you by **AM Crypto** (https://amcrypto.jp) and based on TrueCrypt 7.1a.

VeraCrypt main features:

- Creates a **virtual encrypted disk** within a file and mounts it as a real disk.
- Encrypts an **entire partition or storage device** such as USB flash drive or hard drive.
- Encrypts a **partition or drive where Windows is installed** (pre-boot authentication).
- Encryption is **automatic**, **real-time**(on-the-fly) and **transparent**.
- Parallelization and pipelining allow data to be read and written as fast as if the drive was not encrypted.
- Encryption can be hardware-accelerated on modern processors.
- Provides **plausible deniability**, in case an adversary forces you to reveal the password: **Hidden volume** (steganography) and **hidden operating system**.
- More information about the features of VeraCrypt may be found in the **documentation**

Donate to help the project

Release Notes / Changelog

Frequently Asked Question

Android & iOS Support

Contributed Resources & Downloads (Tutorials, PPA, ARM, Raspberry Pi...)

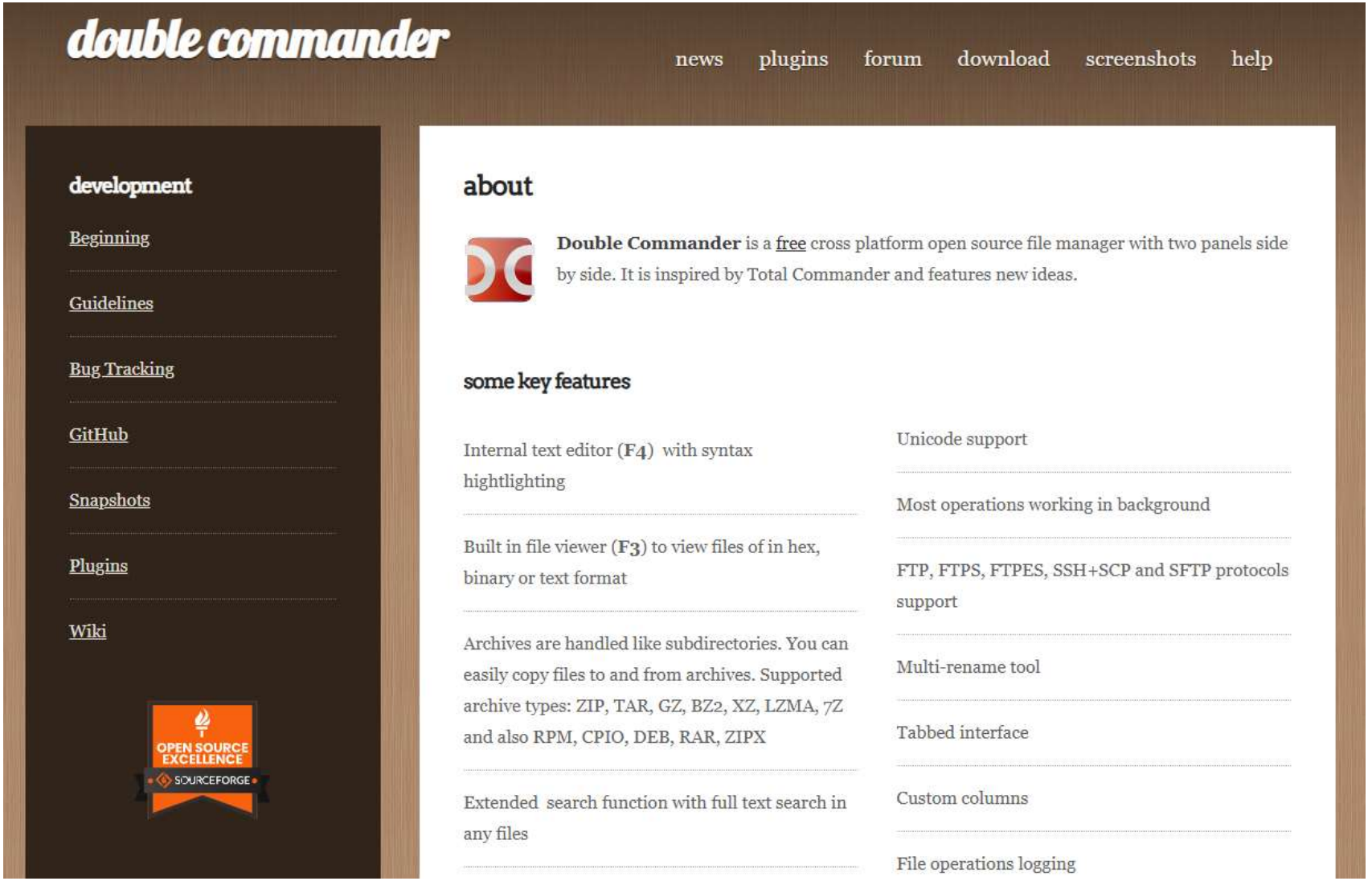
Warrant Canary

Contact us

Follow @VeraCrypt_IDRIX | Follow | Follow | reddit this!

https://veracrypt.io/en/Home.html

Double Commander



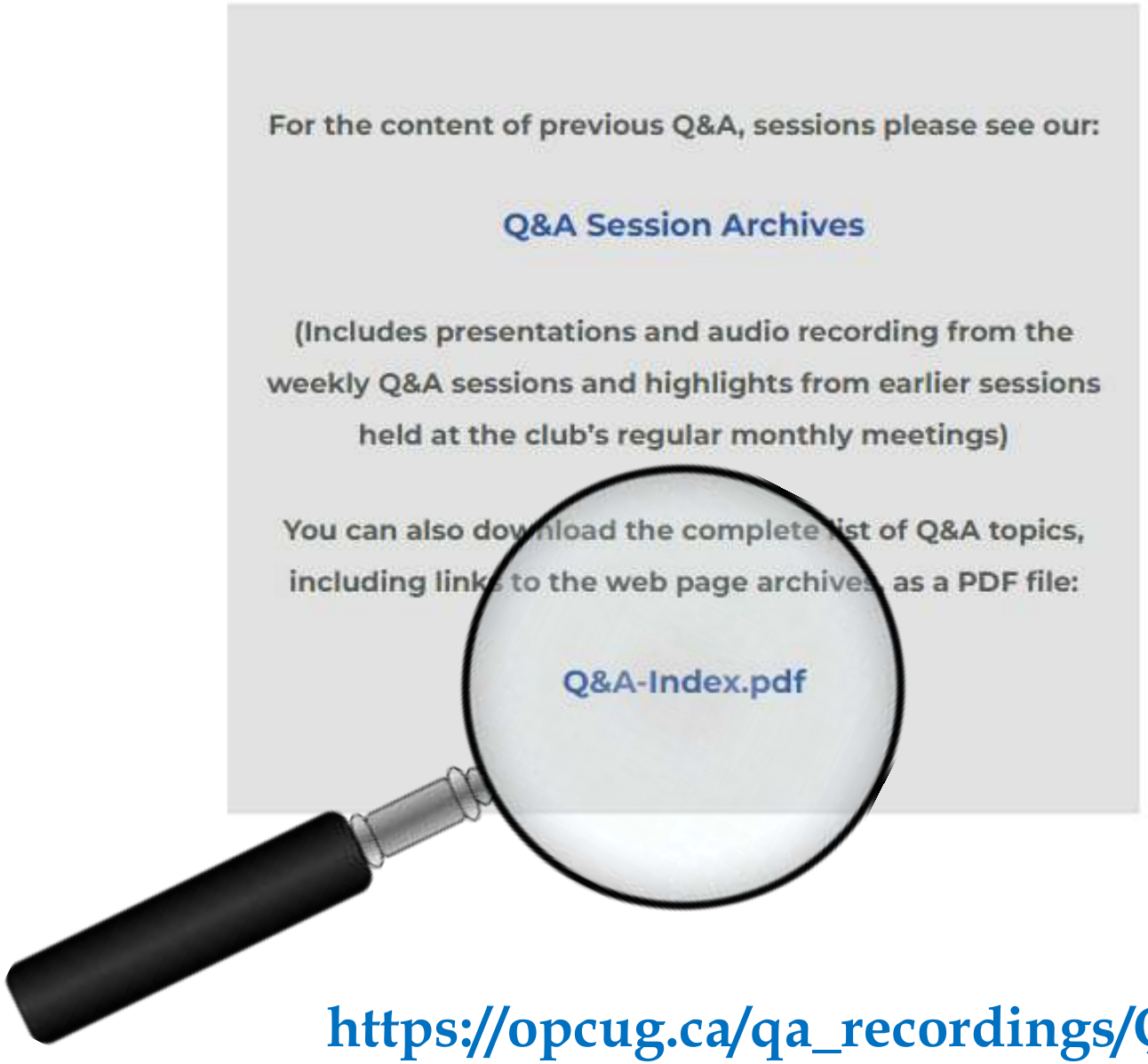
https://doublecmd.sourceforge.io

PDF Viewer

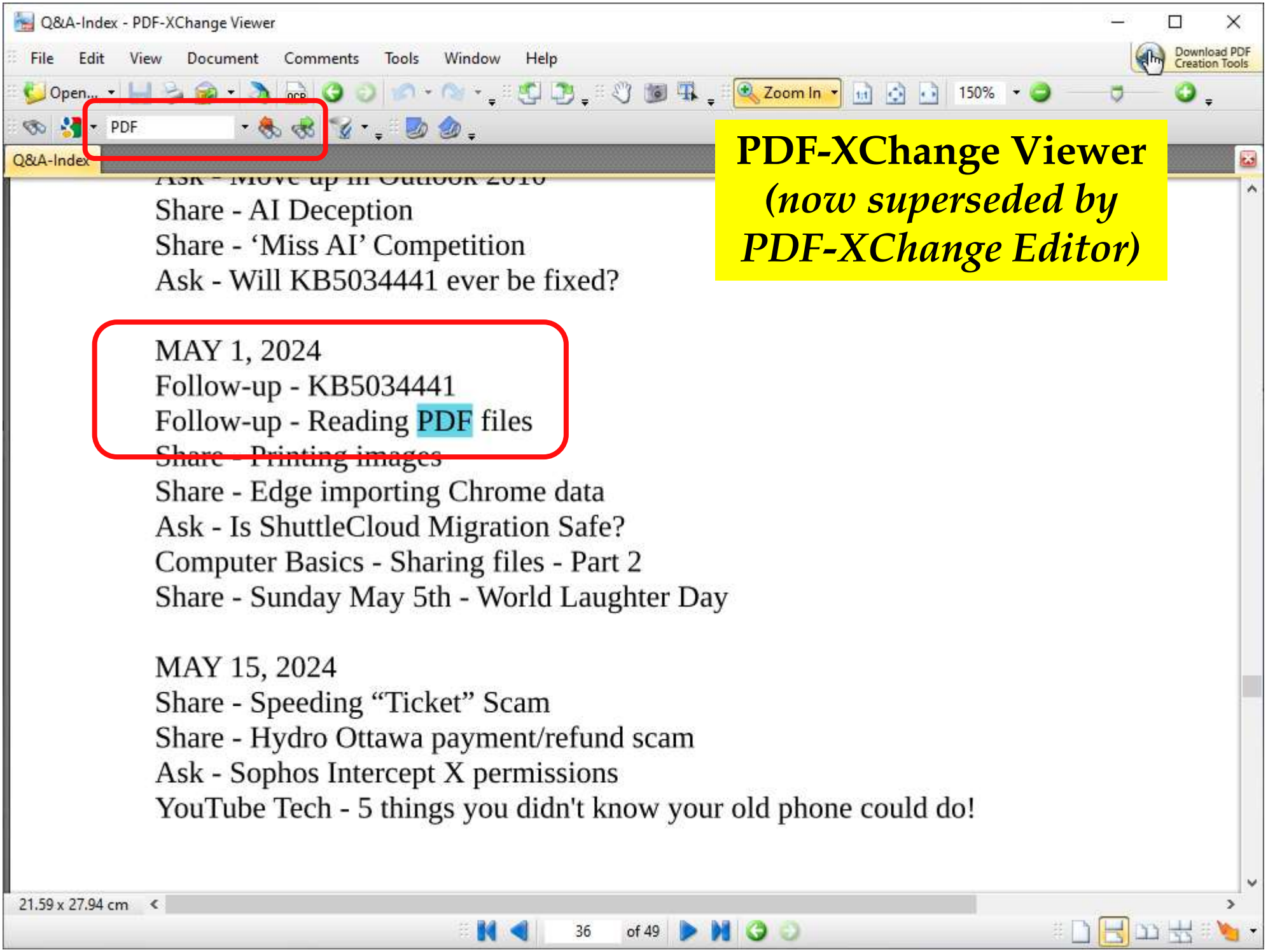
- I am looking for a PDF viewer
- Every one I've found to date only offers a limited trial before needing to pay
- Any suggestions?

- **Chris had discussed free PDF viewers at a previous Q&A**
- **How can we review this item?**

We need Q&A-Index



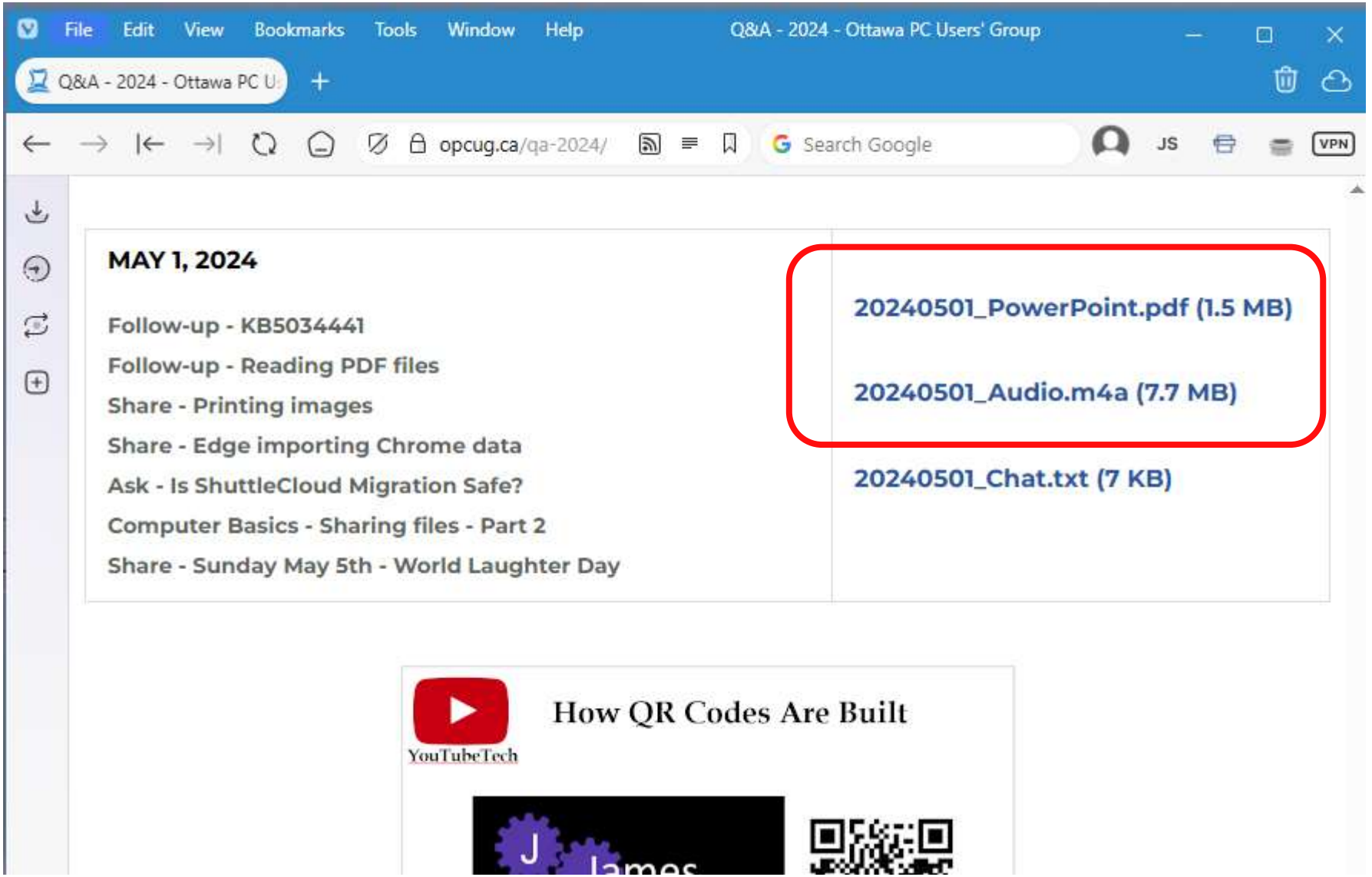
https://opcug.ca/qa_recordings/Q&A-Index.pdf

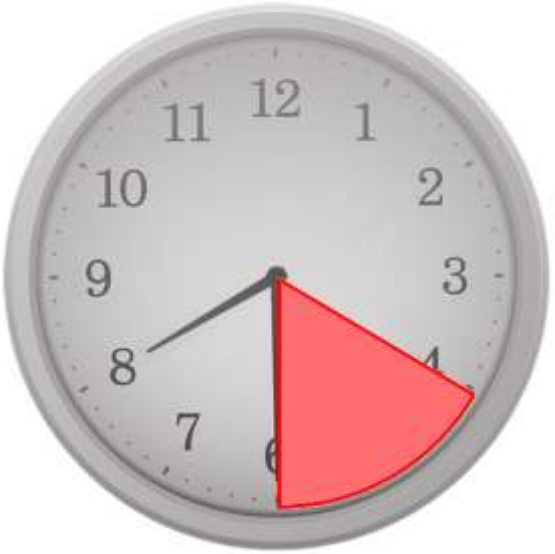

Q&A-Index - PDF-XChange Viewer
File Edit View Document Comments Tools Window Help
Download PDF Creation Tools
Open...
Zoom In
150%
PDF
Q&A-Index
PDF-XChange Viewer
(now superseded by
PDF-XChange Editor)
Share - AI Deception
Share - 'Miss AI' Competition
Ask - Will KB5034441 ever be fixed?
MAY 1, 2024
Follow-up - KB5034441
Follow-up - Reading PDF files
Share - Printing images
Share - Edge importing Chrome data
Ask - Is ShuttleCloud Migration Safe?
Computer Basics - Sharing files - Part 2
Share - Sunday May 5th - World Laughter Day
MAY 15, 2024
Share - Speeding "Ticket" Scam
Share - Hydro Ottawa payment/refund scam
Ask - Sophos Intercept X permissions
YouTube Tech - 5 things you didn't know your old phone could do!
21.59 x 27.94 cm
36
of 49

Free PDF readers

- Foxit Reader
  - https://www.foxit.com/pdf-reader/
- PDF XChange Editor
  - https://www.tracker-software.com/product/pdf-xchange-editor
- SumatraPDF
  - https://www.sumatrapdfreader.org/download-free-pdf-viewer
- Nitro PDF Reader
  - https://gonitro.com/pdf-reader
- Slim PDF Reader
  - https://www.investintech.com/resources/freetools/slimpdfreader/

Inclusion here should not be taken as any sort of endorsement on the part of the Ottawa PC Users' Group


File Edit View Bookmarks Tools Window Help
Q&A - 2024 - Ottawa PC Users' Group
Q&A - 2024 - Ottawa PC U
opcug.ca/qa-2024/
Search Google
JS
VPN
MAY 1, 2024
Follow-up - KB5034441
Follow-up - Reading PDF files
Share - Printing images
Share - Edge importing Chrome data
Ask - Is ShuttleCloud Migration Safe?
Computer Basics - Sharing files - Part 2
Share - Sunday May 5th - World Laughter Day
20240501_PowerPoint.pdf (1.5 MB)
20240501_Audio.m4a (7.7 MB)
20240501_Chat.txt (7 KB)
YouTubeTech
How QR Codes Are Built



Any other:

Questions

Comments

Shares?

Tips and techniques for better photos

Lynda Buske

Centennial, Thursday Nov 6, 2025 at 6:00pm

Quick PC Tips: Enhancing capabilities and performance with free tools

Chris Taylor

St-Laurent, Monday Nov 10, 2025 at 6:00pm

Armchair Travel: Norway

Lynda Buske

Rosemount,Thursday Nov 13, 2025 at 7:00pm

https://booking.biblioottawalibrary.ca/en/program?text=pc+users

November Meeting

OPCUG
Users helping users

Home Automation – An Introduction

Bill James
Computer Club of Oklahoma City

November 12, 2022
7:30 pm

No Q&A on
November 12
(Monthly Meeting)

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

SuggestionBox@opcug.ca