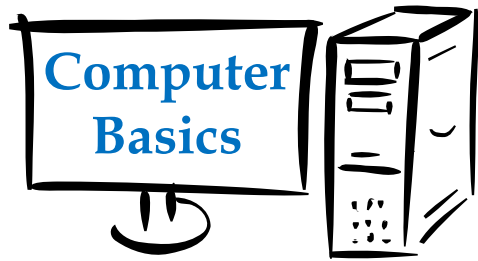




Alan German & Chris Taylor
Ottawa PC Users' Group

January 29, 2025



Making Rescue Disks - Part 2

- Your computer is working just fine
- Now is the time to make rescue disks!
- Windows Recovery Drive
(USB drive, 16 GB Windows 10, 32 GB Windows 11)
- EaseUS Todo Backup Emergency Disk *
(1 GB+ USB drive)
- Foxclone and Rescuzilla run from live-USB's and so don't need rescue disks

** Make the rescue disk for your disk-imaging program*

Not Logged in
Log in EaseUS Account to connect cloud service

Browse to Recover **Tools**

New Sync **New Backup**

- Disk 0**
Next Backup No Schedule
- DataDisk-2024-09-Sep**
Next Backup No Schedule
- OffSiteBackup**
Next Backup No Schedule

Disk 0
• Next Backup: No Schedule
• Last Backup: 12/3/2024 1:48 PM Successful



My Disk
Samsung SSD 840 EVO 250GB



M:\z_images

Recover

Options

Backup Now

Not Logged in
Log in EaseUS Account to connect cloud service


Browse to Recover Tools

New Sync **New Backup**

- Disk 0**
Next Backup No Schedule
- DataDisk-2024-09-Sep**
Next Backup No Schedule
- OffSiteBackup**
Next Backup No Schedule

Disk 0

- Next Backup: **No Schedule**
- Last Backup: **12/3/2024 1:48 PM Successful**



My Disk
Samsung SSD 840 EVO 250GB

Recover

- Clone
- System Transfer
- PreOS Manager
- Check Image
- Create Emergency Disk**
- Mount Backup
- Logs
- Import/Export Task
- Security Zone
- Backup Protection
- Refresh Disk

Options **Backup Now**

Not Logged In
Log in EaseUS

Create Emergency Disk

Close button (X)

Tools

New Sync

Disk 0
Next Backup
No Schedule

DataDisk-2024-09
Next Backup
No Schedule

OffSiteBackup
Next Backup
No Schedule

Boot disk location



C:\Users\admin\Desktop\EmergencyDisk.iso

Browse...

Add Driver |

Create

Cancel

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

[X]

ver Tools

New Sync

Disk 0
Next Backup
No Schedule

DataDisk-2024-09
Next Backup
No Schedule

OffSiteBackup
Next Backup
No Schedule

Boot disk location



C:\Users\admin\Desktop\EmergencyDisk.iso

Browse...

Add Driver |

Create

Cancel

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

[X]

ver

Tools

New Sync

Disk 0
Next Backup
No Schedule

DataDisk-2024-09
Next Backup
No Schedule

OffSiteBackup
Next Backup
No Schedule

Boot disk location



2 (SanDisk Cruzer, W:)

1 (Generic-SD/MMC/MS PRO, S:)

Add Driver
2 (SanDisk Cruzer, W:)

Create

Cancel

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

X

ver

Tools

New Sync

Disk 0
Next Backup
No Schedule

DataDisk-2024-09
Next Backup
No Schedule

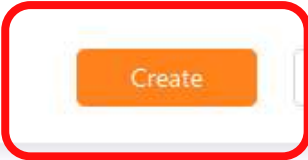
OffSiteBackup
Next Backup
No Schedule

Boot disk location



2 (SanDisk Cruzer, W:)

Add Driver |



Create

Cancel

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

[X]

ver Tools

New Sync

Disk 0
Next Backup
No Schedule

DataDisk-2024-09
Next Backup
No Schedule

OffSiteBackup
Next Backup
No Schedule



Add Driver

Create Emergency Disk

[X]



WinPE created with Free version does not support Clone and System Transfer.

Upgrade now to enjoy all the features.

Upgrade

Create Now

Cancel

Create

Cancel

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

X

New Sync

Estimated time remaining: 00:01:10

Elapsed time: 00:02:48



Disk 0
Next Backup
No Schedule

Creating WinPE ISO...

DataDisk-2024-09
Next Backup
No Schedule

OffSiteBackup
Next Backup
No Schedule

Stop

Recover

Options

Backup Now ▲

Not Logged In
Log in EaseUS

New Sync

Disk 0
Next Backup
No Schedule

DataDisk-2024-09
Next Backup
No Schedule

OffSiteBackup
Next Backup
No Schedule

Create Emergency Disk

Estimated time: 00:01:20 | Elapsed time: 00:03:14

Question

Creating
Exporting

Selected device needs to be formatted. Do you want to continue?

OK Cancel

Stop

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

X

New Sync

Estimated time remaining: 00:02:02

Elapsed time: 00:04:50



Disk 0

Creating WinPE ISO...
Exporting WinPE ISO...

Next Backup
No Schedule

DataDisk-2024-09

Next Backup
No Schedule

OffSiteBackup

Next Backup
No Schedule

Stop

Recover

Options

Backup Now

Not Logged
Log in EaseUS

Create Emergency Disk

[X]

New Sync

Estimated time remaining: 00:00:00

Elapsed time: 00:06:27



Disk 0

Next Backup
No Schedule

Creating WinPE ISO...
Exporting WinPE ISO...
WinPE ISO has been successfully exported.

DataDisk-2024-09

Next Backup
No Schedule

OffSiteBackup

Next Backup
No Schedule

Finish

Recover

Options

Backup Now

File Home Share View Drive Tools Manage EASEUSBOOT (W:)

Navigation pane: Preview pane, Details pane

Layout: Extra large icons, Large icons, Medium icons, Small icons, List, Details

Current view: Sort by, Group by, Add columns, Size all columns to fit

Show/hide: Item check boxes, File name extensions, Hidden items, Hide selected items

Options


← → ↕ ↑ This PC > EASEUSBOOT (W:) Search EASEUSBOOT (W:)

- Quick access
 - original
 - articles
 - opcug_website_backup
 - presentations
 - UpdateContacts
 - UpdateContacts_Excel
- Dropbox
- This PC
 - 3D Objects
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
 - Windows 10 (C:)
 - DataDisk (D:)
 - 64GBSDcard (S:)
 - EASEUSBOOT (W:)**
 - 64GBSDcard (S:)

Name	Date modified	Size
This folder is empty.		



EASEUSBOOT (W:) Properties

General Tools Hardware Sharing ReadyBoost Customize


 EASEUSBOOT

Type: USB Drive

File system: FAT32

 Used space:	642,760,704 bytes	612 MB
 Free space:	3,368,914,944 bytes	3.13 GB

Capacity: 4,011,675,648 bytes 3.73 GB



Drive W:

OK Cancel Apply

- My Computer
 - Home
 - Desktop
 - Docu...
 - Music
 - Pictures
 - Videos
 - Downl...
 - Recent
 - File Sy...
 - Trash
- Devices
 - 64GBS...
 - DataDisk
 - EASEU...
- Network
 - Network

BG_BG~1	BOOT	CS_CZ~1	DA_DK~1	DE_DE~1	EFI	EL_GR~1	EN_GB~1	EN_US~1	ES_ES~1
ES_MX~1	ET_EE~1	FI_FI~1	FR_CA~1	FR_FR~1	HR_HR~1	HU_HU~1	IT_IT~1	JA_JP~1	KO_KR~1
LT_LT~1	LV_LV~1	NB_NO~1	NL_NL~1	PL_PL~1	PT_BR~1	PT_PT~1	QPS_PLOC~1	RO_RO~1	RU_RU~1
SK_SK~1	SL_SI~1	SOURCES	SR_LATN_RS~1	SV_SE~1	System Volume Information	TR_TR~1	UK_UA~1	ZH_CN~1	ZH_TW~1
BOOTMGR	BOOTMGR.EFI	KD_0C_8086.DLL	KD_02_1AF4.DLL	KD_02_10DF.DLL	KD_02_10EC.DLL	KD_02_14E4.DLL	KD_02_15B3.DLL	KD_02_19A2.DLL	KD_02_1137.DLL
KD_02_1969.DLL	KD_02_8086.DLL	KD_07_1415.DLL	KDNET_UART16550.DLL	KDSTUB.DLL	SECUREBOOTREC OVERY.EFI	WINSIPOLICY.P7B			

The image shows a Windows File Explorer window for the drive 'EASEUSBOOT (W:)'. The ribbon includes 'File', 'Home', 'Share', 'View', and 'Drive Tools'. The 'View' tab is active, showing options for icon size (Details), layout (Details), and view options (Item check boxes, File name extensions, Hidden items). A 'Folder Options' dialog box is open, with the 'View' tab selected. Under 'Folder views', there are 'Apply to Folders' and 'Reset Folders' buttons. Under 'Advanced settings', the checkbox for 'Hide protected operating system files (Recommended)' is checked and highlighted with a red rectangle. A 'Warning' dialog box is also open, displaying a yellow warning icon and the text: 'You have chosen to display protected operating system files (files labeled System and Hidden) in File Explorer. These files are required to start and run Windows. Deleting or editing them can make your computer inoperable. Are you sure you want to display these files?'. The 'Warning' dialog has 'Yes' and 'No' buttons.

Warning



You have chosen to display protected operating system files (files labeled System and Hidden) in File Explorer.

These files are required to start and run Windows. Deleting or editing them can make your computer inoperable.

Are you sure you want to display these files?

Yes

No

File Explorer window showing the 'EASEUSBOOT (W:)' drive. The ribbon includes 'File', 'Home', 'Share', 'View', and 'Drive Tools'. The 'View' tab is active, showing options for 'Panels' (Preview, Details), 'Layout' (Extra large, Large, Medium, Small, List, Details), 'Current view' (Sort, Group by, Add columns, Size all columns to fit), and 'Show/hide' (Item check boxes, File name extensions, Hidden items, Hide selected items, Options).

Navigation bar: This PC > EASEUSBOOT (W:) | Search EASEUSBOOT (W:)

	Name	Date modified	Size
Quick access			
original	BG_BG~1	2024-12-23 11:12 ...	
articles	BOOT	2024-12-23 11:12 ...	
opcug_website_backup	CS_CZ~1	2024-12-23 11:12 ...	
presentations	DA_DK~1	2024-12-23 11:12 ...	
UpdateContacts	DE_DE~1	2024-12-23 11:12 ...	
UpdateContacts_Excel	EFI	2024-12-23 11:12 ...	
	EL_GR~1	2024-12-23 11:12 ...	
	EN_GB~1	2024-12-23 11:12 ...	
	EN_US~1	2024-12-23 11:12 ...	
	ES_ES~1	2024-12-23 11:12 ...	
	ES_MX~1	2024-12-23 11:12 ...	
	ET_EE~1	2024-12-23 11:12 ...	
	FI_FI~1	2024-12-23 11:12 ...	
	FR_CA~1	2024-12-23 11:12 ...	
	FR_FR~1	2024-12-23 11:12 ...	
	HR_HR~1	2024-12-23 11:12 ...	
	HU_HU~1	2024-12-23 11:12 ...	
	IT_IT~1	2024-12-23 11:12 ...	
	JA_JP~1	2024-12-23 11:12 ...	
	KO_KR~1	2024-12-23 11:12 ...	
	LT_LT~1	2024-12-23 11:12 ...	
	LV_LV~1	2024-12-23 11:12 ...	
	NB_NO~1	2024-12-23 11:12 ...	
	NL_NL~1	2024-12-23 11:12 ...	
	PI PI ~1	2024-12-23 11:12 ...	

57 items

Share

Disk cleanup – Part 2

Share

Clean-up methods

- Storage/Storage Sense
 - Disk Cleanup
- } 2025-01-15
- Uninstall unused programs
 - Move large files to other drives/partitions
 - Disable hibernation
 - Use [WinDirStat](#) or [TreeSize](#) to analyze data storage
 - CCleaner
 - Upgrade storage
- This week

Share

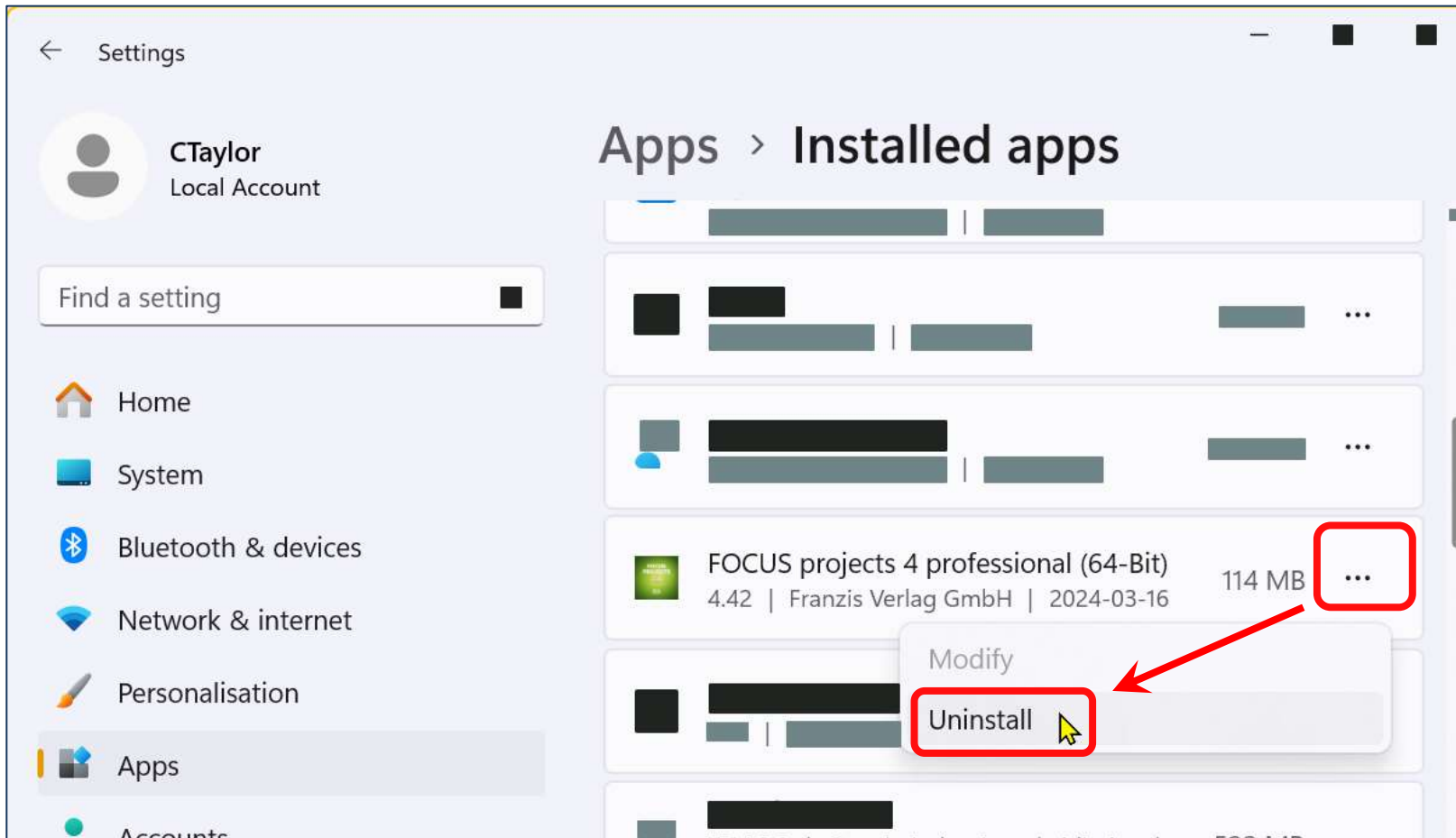
Uninstall unused programs

- Why?
 - they use up disk space
 - all programs (probably) have security vulnerabilities
 - if the bad guys figure it out before you apply patches
 - your computer could be compromised
- What to do?
 - uninstall them

Share

Uninstall unused programs

- *Settings* > *Apps* > *Installed apps* > meatball menu > *Uninstall*



Move large files to other drives

- Why?
 - files you create (documents, photos, videos,...)
don't have to clutter **C:** drive
- Typical location for files
 - photos: **C:\Users\CTaylor\Photos**
 - videos: **C:\Users\CTaylor\Videos**
 - documents: **C:\Users\CTaylor\Documents**
 - etc.
- I have over 500,000 photos using 1.1 TB
 - moved them all to a separate drive
 - larger/slower/cheaper than smaller/faster/more expensive C:
 - **D:\Data\Photos**

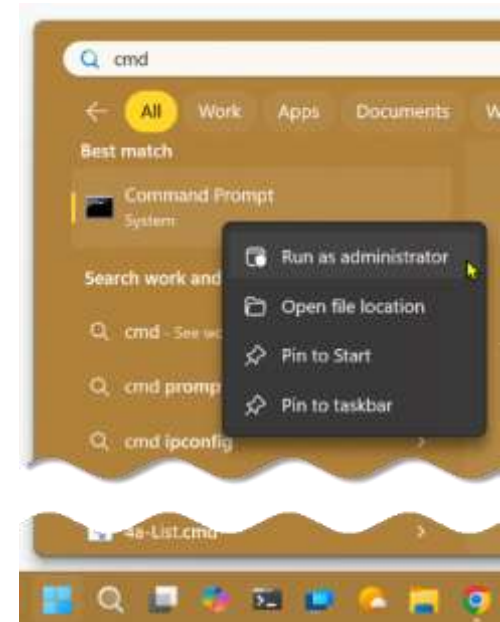
Disable hibernation

- What is hibernation?
 - when you shut down:
 - current state of computer of computer (everything in memory) written to a disk file (`c:\hiberfil.sys`)
 - computer turned off
 - when you start computer
 - contents of `c:\hiberfil.sys` copied into memory
 - all programs, data files, windows etc. back to state when hibernated
- Why disable hibernation
 - `c:\hiberfil.sys` can be very large (up to size of RAM)
 - if `C:` is solid-state drive (SSD), causes unnecessary writes, potentially reducing longevity of SSD
- May take longer to start computer without hibernation, especially if using a hard disk drive (HDD) rather than SSD

Share

Disable hibernation

- Click Start, type in *cmd*
- Under *Best match*
 - right-click *Command Prompt*
 - choose *Run as administrator*
- At the command prompt, type
 - *powercfg.exe /hibernate off* and press Enter
 - type *exit* & press Enter to close Command Prompt
- *C:\hiberfil.sys* will automatically be deleted
- To reenabling hibernation, use the command
 - *powercfg.exe /hibernate on*



<https://learn.microsoft.com/en-us/troubleshoot/windows-client/setup-upgrade-and-drivers/disable-and-re-enable-hibernation>

Share

Analyse data storage

- Why?
 - understand where / how storage is being used
 - remove/move large files or groups of files to other drives
 - recover space on C:\
- WinDirStat
- TreeSize
- ...there are many others

Share

WinDirStat



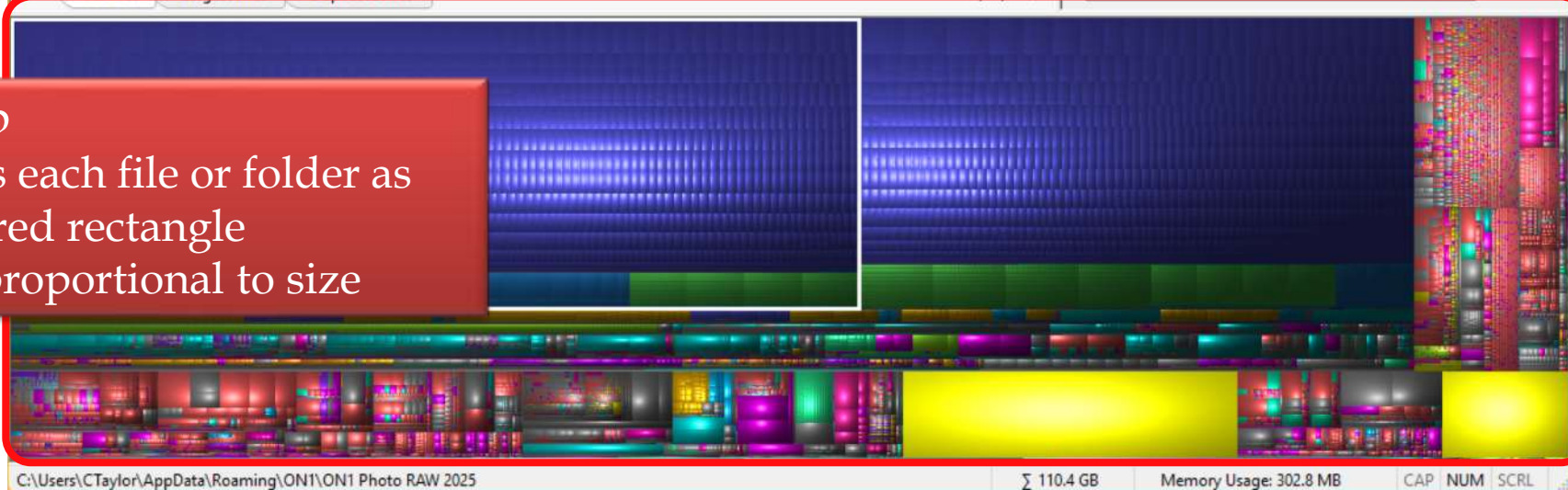
Folder/file list
• sorts by size

Name	Subtree Percentage	Percentage	Physical Size	Logical Size	Files	La...
Windows (C:) - 66.2% Free		[0:23]	302.0 GB	320.2 GB	622,069	20
Users		72.2%	217.9 GB	217.5 GB	195,260	20
CTaylor		100.0%	217.9 GB	217.5 GB	195,134	20
AppData		97.1%	211.6 GB	211.2 GB	183,820	20
Roaming		93.0%	196.8 GB	196.7 GB	47,081	20
ON1		96.9%	190.7 GB	190.7 GB	34,695	20
ON1 Photo RAW 2025		57.9%	110.4 GB	110.4 GB	13,013	20
PhotoSettingsCache		87.7%	96.8 GB	96.8 GB	8,371	20
Files		100.0%	96.8 GB	96.8 GB	8,362	20
a24		0.8%	750.0 MB	750.0 MB	3	20
a30		0.8%	749.8 MB	749.8 MB	2	20
001		0.8%	749.7 MB	749.7 MB	1	20
9f0		0.6%	574.9 MB	574.9 MB	4	20
d8d		0.5%	499.9 MB	499.9 MB	2	20

Extensi...	Col...	Description	↓ Bytes	% By...
.tif		IrfanView TIF File	159.1 ...	52.7%
.dll		Application extension	29.6 GB	9.8%
.ldb		Microsoft Access Reco...	18.8 GB	6.2%
.sys		System file	18.7 GB	6.2%
		No Extension	11.6 GB	3.9%
.exe		Application	8.1 GB	2.7%
.jpg		IrfanView JPG File	7.1 GB	2.4%
.on...		ONMLC File	5.7 GB	1.9%
.msi		Windows Installer Pack...	3.5 GB	1.2%
.tmp		TMP File	3.3 GB	1.1%
.pdf		PDF File	2.0 GB	0.7%
.log		Text Document	2.0 GB	0.7%
.dat		DAT File	1.9 GB	0.6%
.png		IrfanView PNG File	1.6 GB	0.5%
.pptx		Microsoft PowerPoint ...	1.5 GB	0.5%
.pak		PAK File	1.4 GB	0.5%

Treemap

- shows each file or folder as coloured rectangle
- area proportional to size



<https://windirstat.net/>

Share

TreeSize



The screenshot shows the TreeSize Free application window. The interface includes a menu bar (File, Home, Scan, View, Options, Help, Want more?), a toolbar with icons for Select Directory, Stop Scan, Refresh, Size, Allocated Space, File Count, Percent, Automatic Units, Expand, New Folder, and Start TreeSize Free as Administrator. The main area displays a folder tree for C:\ on [Windows]. A table below the tree lists folder and file statistics.

Name	Size	Allocated	Files	Folders	% of Parent...	Last Modified
320.2 GB C:\ on [Windows]	320.2 GB	302.0 GB	622,224	144,340	100.0 %	2025-01-24
217.5 GB Users	217.5 GB	217.9 GB	195,382	28,521	67.9 %	2025-01-24
217.5 GB CTaylor	217.5 GB	217.9 GB	195,256	28,413	100.0 %	2025-01-24
211.2 GB AppData	211.2 GB	211.6 GB	183,940	27,979	97.1 %	2025-01-24
196.7 GB Roaming	196.7 GB	196.8 GB	47,084	10,164	93.1 %	2025-01-24
190.7 GB ON1	190.7 GB	190.7 GB	34,695	7,827	96.9 %	2025-01-19
110.4 GB ON1 Photo RAW 2025	110.4 GB	110.4 GB	13,013	3,824	57.9 %	2025-01-19
96.8 GB PhotoSetting	96.8 GB	96.8 GB	666	666	87.7 %	2025-01-19
5.6 GB NDSERVICE	5.6 GB	5.6 GB	4	4	5.1 %	2025-01-19
4.2 GB Models	4.2 GB	4.2 GB	0	0	3.8 %	2024-12-26
3.6 GB ExploreService	3.6 GB	3.6 GB	2,070	5	3.3 %	2025-01-19
67.9 MB AIStyleAdvisor	67.9 MB	67.9 MB	3	0	0.1 %	2025-01-19
24.0 MB ExportCache	24.0 MB	24.2 MB	106	122	0.0 %	2025-01-19
20.0 MB ComponentManager...	20.0 MB	20.0 MB	17	0	0.0 %	2025-01-19
14.8 MB [20 Files]	14.8 MB	14.9 MB	20	0	0.0 %	2025-01-19

Free Space: 630 GB (of 951 GB) 622,224 Files 292 Errors 4,096 Bytes per Cluster (NTFS)

Folder/file list
• sorts by size or number of files

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

- File Cleanup
 - removes temporary files, system caches, and other unnecessary files including all browser caches
- Registry Cleaning
 - **avoid this!**
- Startup Management
 - same as Task Manager's Startup apps
- Uninstall Programs
 - same as Settings > Apps
- Duplicate File Finder
 - identify & remove duplicate files

Share

CCleaner warning

- It can clean a lot more than maybe you want!
 - *Last Download Location, Desktop Shortcuts, Cookies, website preferences, Saved Passwords*, etc.
 - if you don't understand a cleaning option, **don't enable it**
- CCleaner remembers chosen settings
 - once you have chosen from myriad of options
 - don't have to revisit them every time you use CCleaner
- Paid version can do much more
 - *Performance Optimizer, Driver Updater, Software Updater*
 - I can't speak to efficacy
- **Don't use its **Tools > Registry cleaning** option**

Share

CCleaner – options I choose

- Options I choose
 - empty all browser caches and compact all browser databases
 - remove temporary files
 - empty recycle bin
 - delete memory dumps
 - delete Chkdsk file fragments
 - delete NVIDIA install files
 - pop up & tell me when it can clean up significant space
- Above: nothing I can't do manually using other tools
 - but it does it with a couple of clicks
 - rather than requiring multiple utilities and many clicks

Share

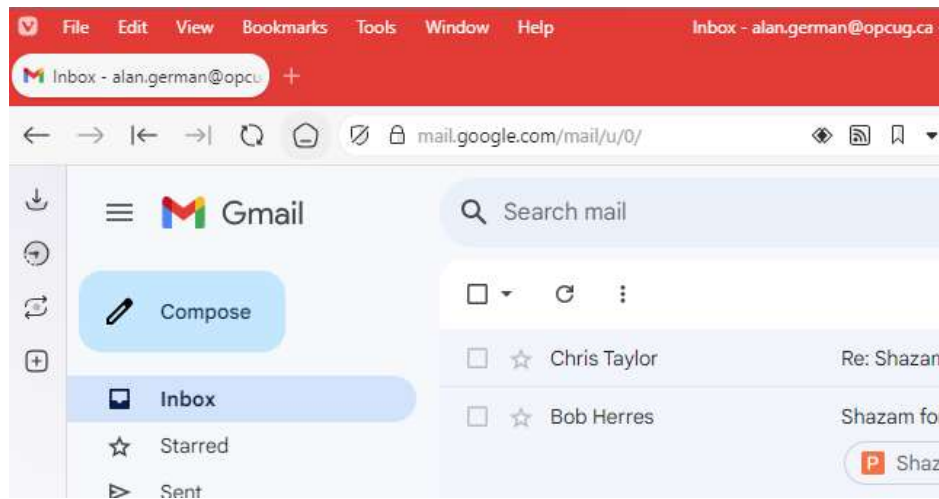
Upgrade storage

- If you are running out of space
Maybe you just need more space!
- Options
 - add additional drives
 - generally the simplest solution
 - cleanup existing storage by moving files to new drive
 - use new drive when adding files
 - replace existing drive with larger one
 - special software & process to upgrade Windows (C:) drive
 - opportunity to also get performance boost by moving to an SSD



How can I backup my Gmail messages?

- I use Gmail for electronic messaging
- All my messages are stored on Google's mail server
- How can I create a local backup?





E-mail client or webmail

- Gmail messages can be accessed using a web browser (Webmail)
- A Gmail account can also be added to an E-mail client such as *Thunderbird*
- Both systems allow for messages on Gmail to be saved to a local disk as a backup





Backup using an E-mail client

- I use the *Thunderbird* E-mail client
- I can access multiple accounts, including Gmail
- I use IMAP so that my messages can be stored efficiently in different folders
- Thunderbird uses a local disk folder to download and store the E-mail messages off-line
- The mail folder is stored on my dedicated data drive (Drive D: on Windows, DataDisk on Linux)
- FreeFileSync and Back in Time (Linux) are used to make regular backups of the entire data drive, including the Email folder

Message Storage

Clean up ("Expunge") Inbox on Exit

Empty Trash on Exit

Message Store Type: File per folder (mbox) ▾

Local Directory: D:\thunderbird

Browse...

Gmail messages are stored locally on the dedicated data drive (D:) so that they are regularly backed up using FreeFileSync

Get Messages Write Address Book Delete Previous Next Search... CTRL + K

File Edit View Go Message Events and Tasks Tools Help

+ New Message

Inbox 29 Messages Quick Filter

Subject	From	Recipient	Date
TunnelBear - email confirmation	TunnelBear <noreply@t...>	alan.german@opcug.ca	2022-06-18, 9:56 p.m.
← Re: Fwd: Q&A Question "Importing Excel Data, into Filla...	Robert J White <bobwhi...>	'Alan German' <alan.g...>	2024-02-22, 9:01 a.m.
← For the next 2 weeks	Chris Taylor	Alan German (OPCUG...)	2024-08-28, 8:53 p.m.
It's time to renew your IOP membership for 2025	subscriptions <subscrip...>	alan.german@physics...	2024-11-20, 9:04 a.m.
Shazam for the Skies	Bob Herres	OPCUG Q&A <Sugge...>	2024-12-15, 11:57 a.m.
Re: Shazam for the Skies	Chris Taylor	Bob Herres, OPCUG Q...	2024-12-15, 12:05 p.m.
Your PayPal receipt	service@intl.paypal.co...	Alan German <mailbo...>	2024-12-16, 9:51 a.m.
← Fwd: RE: Winter 2025 OPCUG Program Requests	Chris Taylor	Alan German <alan.ge...>	2024-12-18, 3:28 p.m.
Q&A on hibernation	Chris Taylor	Alan German (OPCUG...)	2025-01-02, 12:02 p.m.
Re: email - download & store for future reference	anna m	Alan <alan.german@...>	2025-01-03, 1:48 p.m.
New issue of Physics World available now	Institute of Physics <me...>	alan.german@physics...	2025-01-06, 11:11 a.m.
← Re: Your WiFi	Chris Taylor	Alan <alan.german@...>	2025-01-11, 8:07 p.m.
← [Board] Steps for using UGLS mailing lists	Gabe Goldberg	APCUG Board/BoA <b...>	2025-01-12, 8:54 p.m.
Physics World newsletter	Physics World <info@p...>	alan.german@physics...	2025-01-13, 6:01 a.m.
→ Re: Special Events	Jocelyn Doire	Alan German <alan.ge...>	2025-01-14, 5:02 a.m.
[OPCUG-BOD] Computers & Easter Eggs	Bob Herres	OPCUG BOD	2025-01-14, 9:02 p.m.
Re: Special Event?	Chris Taylor	Alan <alan.german@...>	2025-01-14, 9:13 p.m.
[OPCUG-BOD] Re: Computers & Easter Eggs	Chris Taylor	OPCUG BOD	2025-01-15, 9:30 a.m.
← Question (not necessarily for tonight's session)	Elizabeth O'Driscoll	SuggestionBox@opcu...	2025-01-15, 7:11 p.m.
Re: Speaker's Bureau topics	Chris Taylor	Alan <alan.german@...>	2025-01-15, 8:59 p.m.
Physics World newsletter	Physics World <info@p...>	alan.german@physics...	2025-01-16, 4:17 p.m.
← Suggestions for Android/iOS apps	Mark Shainblum	SuggestionBox@opcu...	2025-01-20, 1:51 p.m.
Service Ontario online	Jeff Dubois	SuggestionBox@opcu...	2025-01-21, 4:57 p.m.
← Re: [OPCUG-Member-Forum] Re: Syncting program	susan moss	OPCUG Member-Foru...	2025-01-22, 9:03 a.m.
← Re: Raise hand?	Chris Taylor	Alan <alan.german@...>	2025-01-22, 1:34 p.m.
[OPCUG-BOD] Next board meeting: positions on the bo...	Chris Taylor	OPCUG BOD	2025-01-22, 2:49 p.m.
← Re: APCUG - Incomplete topic list	Chris Taylor	Alan <alan.german@...>	2025-01-22, 9:18 p.m.
Re: Deck to date on Q&A	Chris Taylor	Alan <alan.german@...>	2025-01-23, 9:53 a.m.
Re: Musical Chairs	Chris Taylor	Alan German <alan.ge...>	2025-01-23, 4:51 p.m.

(oo) Today Pane

Get Messages Write Address Book Delete Previous Next Search... CTRL + R

File Edit View Go Message Events and Tasks Tools Help

+ New Message

Inbox 29 Messages Quick Filter

Subject	From	Recipient	Date
TunnelBear - email confirmation	TunnelBear <noreply@t...	alan.german@opcug.ca	2022-06-18, 9:56 p.m.
Re: Fwd: Q&A Question "Importing Excel Data, into Filla...	Robert J White <bobwhi...	'Alan German' <alan.g...	2024-02-22, 9:01 a.m.
Re: For the next 2 weeks	Chris Taylor	Alan German (OPCUG...	2024-08-28, 8:53 p.m.
It's time to renew your IOP membership for 2025	subscriptions <subscrip...	alan.german@physics...	2024-11-20, 9:04 a.m.
Shazam for the Skies	Bob Herres	OPCUG Q&A <Sugge...	2024-12-15, 11:57 a.m.

mail@alanandcarol.ca
Inbox

alan.german@opcug.ca
Inbox
Drafts
Sent Mail
All Mail
Trash
Trash
APCUG
FullCircle
Glasswire
IOP
Payments
Starred
TDCT

alan.german@bell.net
Local Folders

Re: Raise hand? - Mozilla Thunderbird

File Edit View Go Message Tools Help

Get Messages Write Address Book Previous Next

From: Chris Taylor

To: Alan <alan.german@opcug.ca>

Subject: Re: Raise hand?

2025-01-22, 1:34 p.m.

Reply Forward Archive Junk Delete More

Click on "React" and a pop-up will include "Raise hand"

On 2025-01-22 1:32 p.m., Alan wrote:

Chris:

Do you have a raise hand control? I can't find it.

Alan

Done



Backup using Google Takeout

- Login to your Google account
<https://myaccount.google.com>
- Navigate to:
 - Data & privacy >*
 - Data from apps and services you use >*
 - Download your data >*
 - Select data to download >*
 - Deselect All >*
 - Select > Mail >*
 - Next Step >*

← Google Takeout

Your account, your data.

Export a copy of content in your Google Account to back it up or use it with a service outside of Google.

CREATE A NEW EXPORT



Select data to include

1 of 70 selected

2

Choose file type, frequency & destination

Destination

Transfer to:

Send download link via email

When your files are ready, you'll get an email with a download link. You'll have one week to download your files. [Learn more](#) about how to locate, access, and share your data.

Frequency



Export once

1 export

Export every 2 months for 1 year

6 exports

File type & size

File type:

Zip files can be opened on almost any computer.

File size:

Exports larger than this size will be split into multiple files.

Create export

← Google Takeout


Your account, your data.

Export a copy of content in your Google Account to back it up or use it with a service outside of Google.

CREATE A NEW EXPORT

- Select data to include 1 of 70 selected
- Choose file type, frequency & destination

Export progress

-  Google is creating a copy of data from Mail
This process can take a long time (possibly hours or days) to complete. You'll receive an email when your export is done.
Created: December 25, 2024, 10:06 AM

[✕ Cancel export](#)

[+ Create another export](#)



Google

no-reply@accounts.google.com



Reply

Forward

Archive

Junk

Delete

More



To alan.german@opcug.ca

10:06

Archive of Google data requested



Archive of Google data requested for



alan.german@opcug.ca

You're getting this email because there's been a request to create an archive of your Google data.

If you didn't make this request, someone may be trying to access your Google account. Check recent activity in your account and take steps to secure it.

Check activity

You can also see security activity at
<https://myaccount.google.com/notifications>

 **Google Takeout**
noreply@google.com

[↩ Reply](#) [➦ Forward](#) [📁 Archive](#) [🗑 Junk](#) [🗑 Delete](#) [More ▾](#) 

To alan.german@opcug.ca 

10:07

Your Google data is ready to download



Your account, your data.

We've finished creating a copy of the Google data you requested on December 25, 2024. You can download your files until January 1, 2025.

Your download will contain data from:

- Mail

[Manage Google Takeout requests](#)

[Download your files](#)

This message was sent to you because you recently used Google Takeout. [Learn more](#) about how to locate, access, and share your data.

[Privacy Policy](#) | [Terms of Service](#)



← Manage

Before you copy yo
Make sure you can
ever want to leave t

port policies.
with you if you

Download "takeout-20241225T150620Z-001.zip"?

File Name: takeout-20241225T150620Z-001.zip

File Size: 66.74 MB

Host: takeout-download.usercontent.google.com

Location: /home/toaster/Downloads

Always Save Files to Default Download Location

Save

Save As...

Open

Cancel

Avoid downloading your exports onto public computers or saving them where others can see them.

Visit your [Google Account](#) to explore other ways to manage your data, including deleting your Account.

Export	Created on	Available until	Details
Mail 63.7 MB	December 25, 2024	January 1, 2025	<input checked="" type="checkbox"/> Download ▼

Create new export

original

File Home Share View

Clipboard: Pin to Quick access, Copy, Paste, Cut, Copy path, Paste shortcut

Organize: Move to, Copy to, Delete, Rename

New: New folder, New item, Easy access

Open: Properties, Open, Edit, History


Select: Select all, Select none, Invert selection

This PC > DataDisk (D:) > original

Name	Date modified	Size
2023 CISS EDR files CDRXs files.zip	2024-12-30 8:52 AM	34,191 KB
2023 CISS EDR files PDFs.zip	2024-12-30 8:54 AM	701,691 KB
BellarcAdvisorinstaller.exe	2024-12-27 12:08 ...	3,198 KB
CISS_2023_CSV_files.zip	2024-12-30 8:11 AM	10,693 KB
Desktop_icons_Restore-10jul2024.dtr	2024-07-10 2:55 PM	15 KB
eBird-Clements-v2024-integrated-checklist-October-2024-re...	2024-12-07 11:13 ...	3,775 KB
issue211_en.pdf	2024-12-02 8:06 AM	4,950 KB
OPCUG_Clone.odt	2024-12-22 3:41 PM	880 KB
PatchMyPC.exe	2024-02-10 5:22 PM	2,536 KB
PatchMyPC.log	2024-12-13 3:18 PM	5 KB
rufus-4.4.exe	2024-02-18 12:11 ...	1,400 KB
secteerSetup.exe	2024-02-07 2:29 PM	2,130 KB
shotcut-win64-241117.exe	2024-12-13 4:33 PM	172,232 KB
takeout-20241225T150620Z-001.zip	2024-12-25 10:11 ...	65,181 KB
thunderbird_contacts.pptx	2024-11-14 4:02 PM	482 KB
TotalCommander1103x64.exe	2024-11-13 11:37 ...	6,385 KB
Uninstalr_Portable.exe	2024-05-03 3:24 PM	5,759 KB
USB_Drives.ods	2024-12-26 9:04 AM	31 KB
wifiscanner_setup.exe	2024-11-22 9:02 AM	6,288 KB
YUMI-exFAT-1.0.0.7.exe	2022-11-04 11:45 ...	17,629 KB

20 items



←  Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder:

Show extracted files when complete

File Explorer window titled "Mail" showing the file structure and a selected file.

File Explorer Path: original > takeout-20241225T150620Z-001 > Takeout > Mail

File List:

Name	Date modified	Size
<input checked="" type="checkbox"/> All mail Including Spam and Trash.mbox		99,019 KB

Left Panel (Folders):

- Windows 10 (C:)
- DataDisk (D:)
- 0_archives
- agtemp
- alan
- alan_and_carol_home_p
- bats
- JLC
- nikon
- original
- takeout-20241225T150
- Takeout
- Mail
- 2023 CISS EDR files CD
- 2023 CISS EDR files PD
- CISS_2023_CSV_files.zi
- takeout-20241225T150

Bottom Status Bar: 1 item | 1 item selected 96.6 MB

Toolbar: File, Home, Share, View. Clipboard (Pin to Quick access, Copy, Paste, Paste shortcut), Organize (Move to, Copy to, Delete, Rename), New (New folder, New item, Easy access), Open (Properties, Open, Edit, History), Select (Select all, Select none, Invert selection).



All mail Including Spam and Trash.mbox

```
1 From 1819076297338674834@xxx Sat Dec 21 18:39:04 +0000 2024
2 X-GM-THRID: 1819076297338674834
3 X-Gmail-Labels: Important,Trash,Opened,Category Forums
4 Delivered-To: alan.german@opcug.ca
5 Received: by 2002:ab2:7041:0:b0:217:f031:1543 with SMTP id xlcsp24451591ql;
6 Sat, 21 Dec 2024 10:39:04 -0800 (PST)
7 X-Forwarded-Encrypted: i=4;
8 AJvYcCX/YwmhGxbm32ahoSleVpWreWJpkRrEh3T9CDA9GDclpyXzFiDtEhzrFR3yprnMvrq4GuplmuLkIa6igw==@opcug.ca
9 X-Received: by 2002:a05:6a21:3a90:b0:1e1:adb9:d1bb with SMTP id
10 adf61e73a8af0-1e5e081cc09mrl1751249637.44.1734806344239;
11 Sat, 21 Dec 2024 10:39:04 -0800 (PST)
12 ARC-Seal: i=3; a=rsa-sha256; t=1734806344; cv=pass;
13 d=google.com; s=arc-20240605;
14 b=jbLnNPG0ylGNasr7liEJDqVugelaTkGTeAjrGanzeNG0EANImxwEQV4UNii6mDAGlm
15 obJWMgG3e6GEFgxOwTYFeVRgW4qTjwjTj1KLZW2rQ2ftK1CbJwJYAC+HBKu4qKs5Lp/o
16 fDXW4PJYLoJZyWxyKcTCCYplGqUlFoaOmb4QMcGbb95TluiQP1VMI6hNz3MkxYXyNycm
17 7sGdltVg/+NSRt66F9McGeW9aRAfE2rqJYbXKLLntCprtp78KJox6I1TXLU3HMPCX4KA
18 1Jbiy/gSMmqP2ZMn6HBarceC6X7q+Dn9LlJmtz9tL2KIXEIyPW9MnvNDU2j7BOKLbFFB
19 03MQ==
20 ARC-Message-Signature: i=3; a=rsa-sha256; c=relaxed/relaxed; d=google.com; s=arc-20240605;
21 h=list-unsubscribe:list-archive:list-help:list-post:list-id
22 :mailing-list:precedence:reply-to:subject:to:from:content-language
23 :user-agent:mime-version:date:message-id:sender:dkim-signature
24 :dkim-signature;
25 bh=99nuXfokPH/0J+oJK/2pEZMzvoldmRD4jhFOB0vNVnY=;
26 fh=2a9d2Z9xoH214EOAAZsAcQhXxpnpwPwoMuZE8UI5eG+I=;
```

362 From 1819280046934776339@xxx Tue Dec 24 00:37:35 +0000 2024
363 X-GM-THRID: 1819280046934776339
364 X-Mail-Labels: Important,Trash,Category Forums
365 Delivered-To: alan.german@opcug.ca
366 Received: by 2002:ab2:7041:0:b0:217:f031:1543 with SMTP id xlcsp34100031ql;
367 Mon, 23 Dec 2024 16:37:35 -0800 (PST)
368 X-Forwarded-Encrypted: i=4;
AJvYcCVQB3X8qntJuRSOAlyvJJCDomuF/jvtnPB0YH7hZhfaVtJdtgQpgRwe3L/wcYL6Cblb0WiRXcqU
369 Y-Received: by 2002:a05:6870:1055:b0:29a:6bed:3ba7 with SMTP id

550 To: "Micheline (Gmail)" <johnson.micheline@gmail.com>,
551 opcug-member-forum@googlegroups.com
552 From: "Micheline (Gmail)" <johnson.micheline@gmail.com>
553 Subject: [OPCUG-Member-Forum] Windows 11 24H2 bug list - 12 reasons to avoid
554 this update
555 X-Original-Sender: johnson.micheline@gmail.com
556 X-Original-Authentication-Results: gmr-mx.google.com; dkim=pass
557 header.i=@gmail.com header.s=20230601 header.b=1HuWZyyX; spf=pass

574 This is a multi-part message in MIME format.
575 -----Q8UXMlte3eAulz87bDbb6Son
576 Content-Type: text/plain; charset="UTF-8"; format=flowed
577 Content-Transfer-Encoding: quoted-printable
578
579 New Windows 11 24H2 bug list: 12 reasons to avoid this update for now
580 by Lance Whitney, Dec. 23, 2024
581 [https://www.zdnet.com/article/new-windows-11-24h2-bug-list-12-reasons-to-av-](https://www.zdnet.com/article/new-windows-11-24h2-bug-list-12-reasons-to-avoid-this-update-for-now/)
582 [oid-this-update-for-now/](https://www.zdnet.com/article/new-windows-11-24h2-bug-list-12-reasons-to-avoid-this-update-for-now/)
583 Microsoft's official 24H2 update for Windows 11 has been saddled with=20
584 one bug after another. Here's why you might want to avoid updating and=20
585 what you may find if you jump into the new version now.



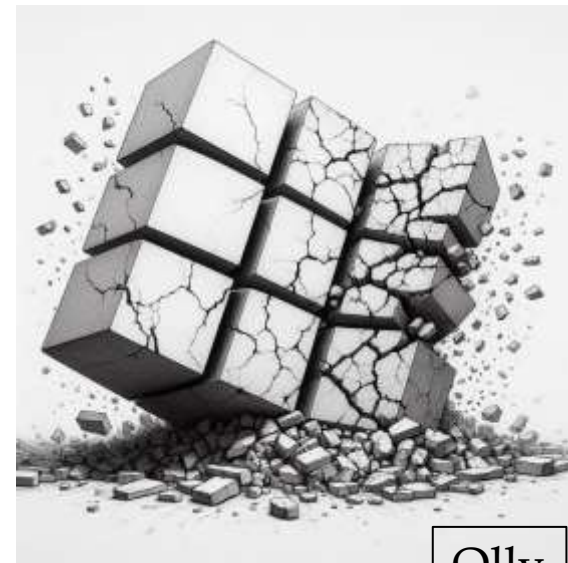
Is Windows 11 24H2 safe?

- Windows 11 offering an update - 24H2 for a while
- Any reason why I shouldn't use that update?

I wanted a graphic for this slide. Why not ask AI to generate something?

Draw a color pencil sketch of the Microsoft Windows logo. Balanced on top of it is a series of large blocks spelling out "24H2". The blocks are breaking the Windows logo with cracks showing in the logo

Maybe we have less to fear about AI than thought...





That depends...

- Some online sources have indicated an unusually large number of users are having *issues* with Windows 11 24H2
- Chris did the update and one weird effect
 - *Settings* takes about 10-15 seconds to open
 - other than that, it seems fine...*for him*
- Some sources indicate Microsoft is about to force 24H2 on all users, so you may have no choice before long
- Chris doesn't know of anything really compelling in 24H2
- Personally, Chris advises to avoid 24H2 if you can

Share

Service Ontario

Ontario 

ServiceOntario

With a MyOntario account you can:

- Manage your products

Your Ontario licence plate, driver's licence, and health card are all products you can manage in your account.

- View your orders

You can view your history of online transactions and completed orders all in one place.

- Notifications and alerts

Get reminders by email, text, or phone. We will notify you so that you never miss a renewal date.

<https://cxp.mgcs.gov.on.ca/cxp-web/splash>

Jeff Dubois

Share

Microsoft accounts: *Stay signed in* change coming

 Microsoft

test@

Stay signed in?

Stay signed in so you don't have to sign in again next time.

Don't show this again

No

Yes

Signing in to Microsoft services on web

- near as I can tell
- *Stay signed in* allows different session durations depending on various parameters
- token can last up to 90 days
- token persists unless password is reset or authentication token invalidated

Think about it...

- use a friend's computer
 - or worse: kiosk computer somewhere
- close browser & leave
- your friend (or next user on kiosk computer) can still access your Microsoft services such as email at Outlook.com

<https://www.thurrott.com/cloud/316150/microsoft-changing-account-sign-in-experience-february-2025>

Share

Times are a changin'

- No longer allow *Stay signed in* for security reasons?
 - nope!
- Always forcing *Stay signed in* for convenience?
 - yup!
- Changing sign-in experience for personal Microsoft accounts on the web in February 2025
 - **users will no longer see the option to stay signed in or not** after entering their credentials
 - need to be more careful when using devices they don't own
 - ***you will stay signed in automatically unless you sign out or use private browsing***
 - private browsing prevents history, cookies, and other site data from being saved on the device



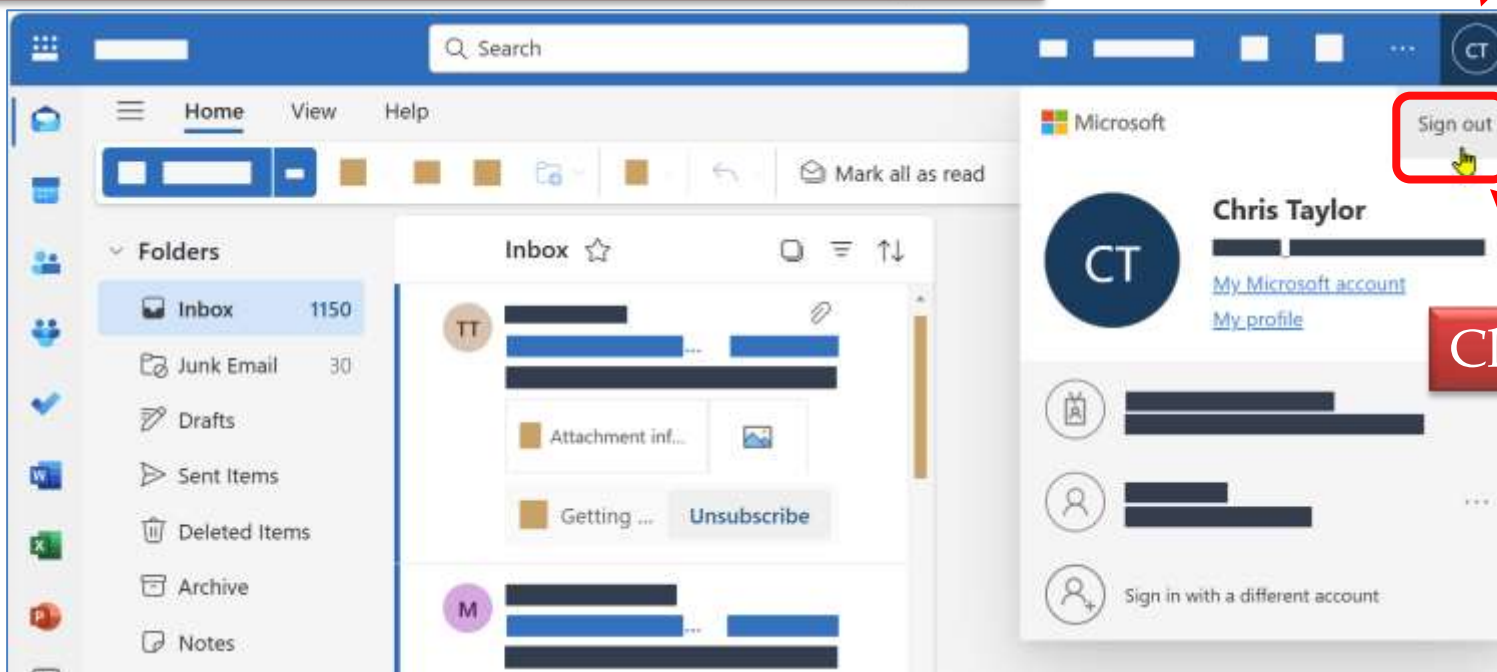
Share

What to do?

If you are using someone else's computer

- be sure to sign out if you have signed into *any* Microsoft services

Click profile icon



Click *Sign out*

Consider doing likewise even on your own computer

- prevent others with access to your computer from accessing your Microsoft services

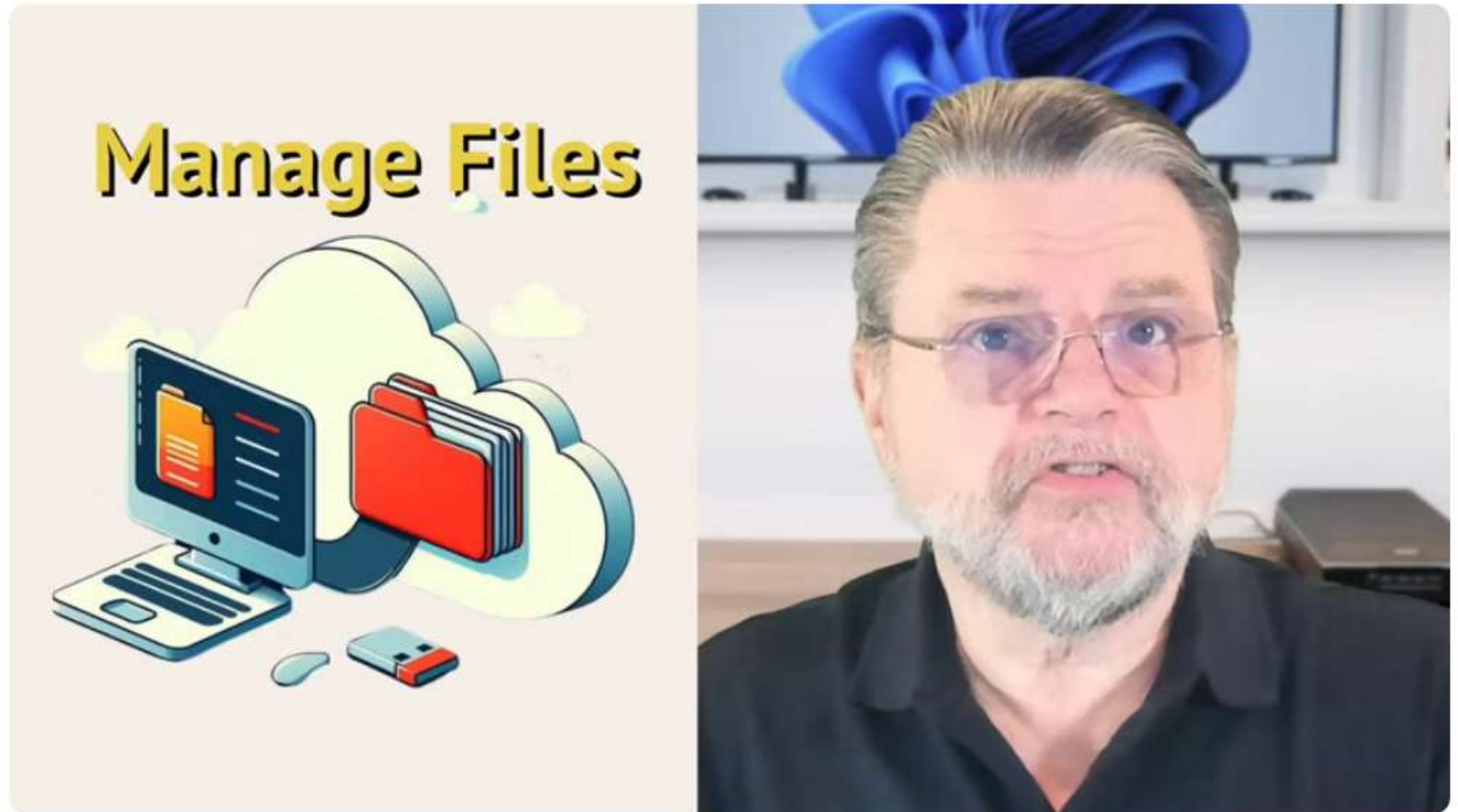


How Does OneDrive Work?

- My new computer has Windows 11 and Microsoft 365 installed and I think all my data is being stored automatically on OneDrive
- How does OneDrive work? Does it automatically copy the most recently saved file in either folder to the other folder?
- If you sync to folders in the cloud, is it necessary to backup to an external hard drive?
- When I go to File Explorer a green check mark, a cloud, circular rotating arrows, or a red X appears beside the file name. What do such symbols indicate?



Managing Files on Your PC and in the Cloud



<https://www.youtube.com/watch?v=AQh0DDA77Pw>



How Does OneDrive Work?

- Do you use OneDrive?
- What files and folders are involved?
- Can you explain how OneDrive synchronizes files between your PC and the cloud?
- What features do you find useful?
- Can you provide a share at Q&A to educate the rest of us?

SuggestionBox@opcug.ca





**Any other:
Questions
Comments
Shares?**





Want to join OPCUG ?

Membership Year	Cost
2025-26 membership	\$ 20.00 *
2026-27 membership	FREE (until March 31 st)

** Current members will have their membership extended at no cost!*

Two years for the price of one!

<https://opcug.ca/join-or-renew/>

OPCUG



*Users helping users
for over 40 years*



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OPCUG



*Users helping users
for over 40 years*

Already an OPCUG Member?



Do not renew your membership !

Your membership expiry date will be extended by another year at no cost



OPCUG PRESENTATIONS AT THE OTTAWA PUBLIC LIBRARY

Keeping passwords safe with Chris Taylor

Rockcliffe Park, Thursday Jan 30, 2025 at 5:30pm

Organizing Your Photos

Lynda Buske

Elmvale Acres, Saturday Feb 1, 2025 at 2:00pm

Whoa, backup! Effective strategies for keeping your computer files safe

Chris Taylor

Emerald Plaza, Tuesday Feb 4, 2025 at 6:00pm

<https://bibliottawalibrary.ca/en/program?text=pc+users>

February Meeting



How to Buy a PC

Chris Taylor (OPCUG)

February 12, 2025

7:30 pm



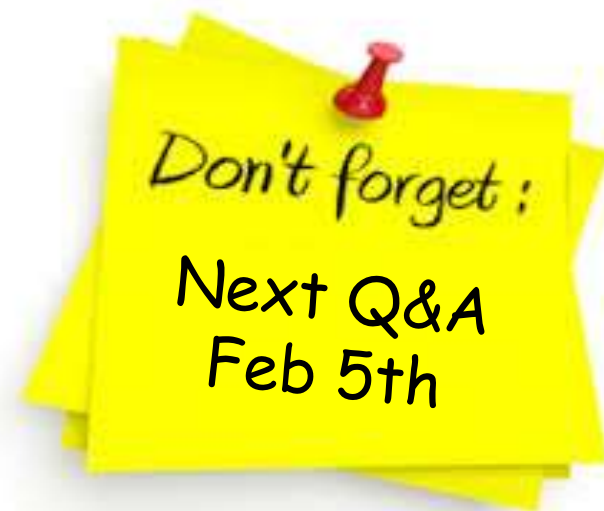
Chris Taylor

SMARTPHONE ESSENTIALS

All the Best Apps for your Smartphone

- March 12, 2025 monthly meeting
- Useful apps for smartphones and tablets
- Android or iPhone/iPad
- Showcase your favourite app
- Send the name of the app to:
SuggestionBox@opcug.ca
- First come – first served
- No duplicates!





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

SuggestionBox@opcug.ca