



**Alan German & Chris Taylor**  
**Ottawa PC Users' Group**

*July 16, 2025*



# Class not registered

- Updated Windows 11 with KB50632553
- Message:  
*Class not registered. Shell:AppsFolder~Microsoft  
CommandPalette-8wekyb3d8bbwe!App*
- I found a YouTube video which, if followed, will correct this situation
- I do not know what the situation is and wish to ignore the message
- What are the implications of this action?



# PowerToys

- The Microsoft Update is actually KB5062553
- The message relates to an issue with PowerToys
- Suggest the user check for PowerToys updates
- *PowerToys uses an automatic update checker that checks for new versions when the app is running. If enabled, a toast notification will appear when an update is available*
- *You can also check for updates manually from the PowerToys Settings*

Harvey Hope

# Great catch, Harvey!

- It makes sense given "Command Palette" is a module in the Microsoft PowerToys
- This is a bug reported (GitHub) in PowerToys 0.90.1 <https://github.com/microsoft/PowerToys/issues/39337>
- It would be a good idea to add a confirming note to the bug report
- PowerToys 0.92.1 fixed a number of issues with Command Palette - <https://github.com/microsoft/PowerToys/releases/>
- If at 0.92.1 and still having the problem, I would uninstall *PowerToys (Preview) x64* from *Settings > Apps > Installed apps* and then reinstall PowerToys



# DO YOU HAVE QUESTIONS? — WE HAVE ANSWERS!

SEND YOUR QUESTION TO US BY E-MAIL: [SUGGESTIONBOX@OPCUG.CA](mailto:SUGGESTIONBOX@OPCUG.CA)

## Problem solved!

----- Forwarded Message -----

<b>Subject:</b> [Suggestion Box] Next Q & A
<b>Date:</b> Sat, 12 Jul 2025 13:03:52 -0400
<b>From:</b> Orion Clark <oracle.clark@gmail.com>
<b>To:</b> SuggestionBox@opcug.ca

YOu can remove "class not registered=Power Toys"from the agenda as **the comments received solved the issue** which was updating the version of Power Toys. However, if you wish the issue to remain for information purposes,then let it be.

Thanks,  
Orion Clark



# Multiple ways to ask questions...

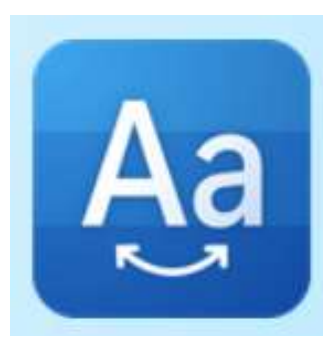
- Send your question to [SuggestionBox@opcug.ca](mailto:SuggestionBox@opcug.ca)
- Enter your question in Zoom's chat box
- Put up you hand and ask your question during the "Last Ten"
- Post your question (members only\*) on-line to *OPCUG-Member-Forum*
- If your issue is hard to fix at Q&A or by E-mail, we offer (members only\*) a *one-on-one remote assistance programme*



\* Membership is only \$20 – see <https://opcug.ca/join-or-renew/>

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# cHANGE cASE



- eVER TYPE IN A BUNCH OF TEXT AND YOU DISCOVER YOU HAD THE cAPSLOCK ON?
- Do you have to retype everything?
- Not if you have the free
  - *Microsoft PowerToys* and
  - *Change Case for Command Palette* extension
- Search at the Microsoft Store

Install *Microsoft PowerToys*



Microsoft PowerToys

4.5 ★ Apps | Developer tools

Install *Change Case for Command Palette*

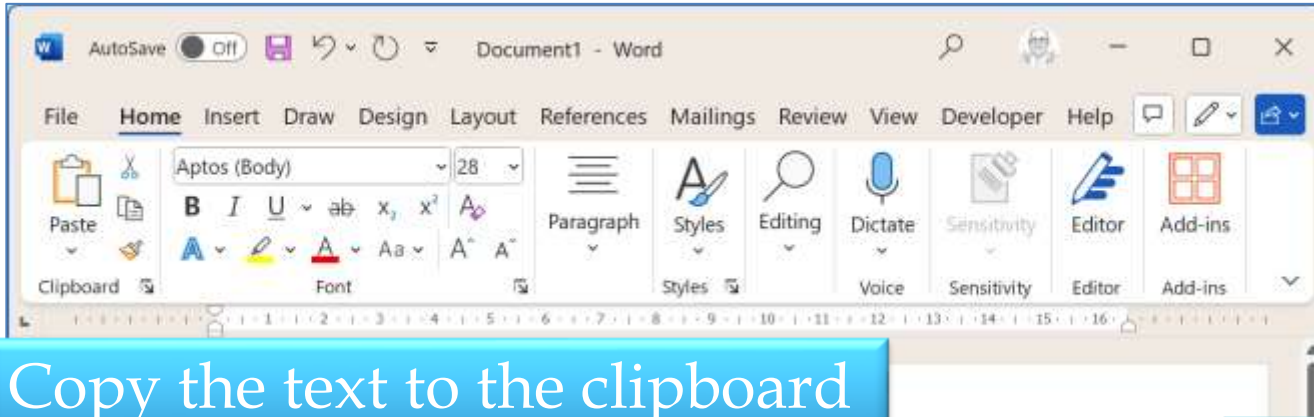


Change Case for Command  
Palette

Apps | Productivity

Share

# Using Change Case extension



eVER TYPE IN A BUNCH OF TEXT AND  
YOU DISCOVER YOU HAD THE  
cAPSLOCK ON?

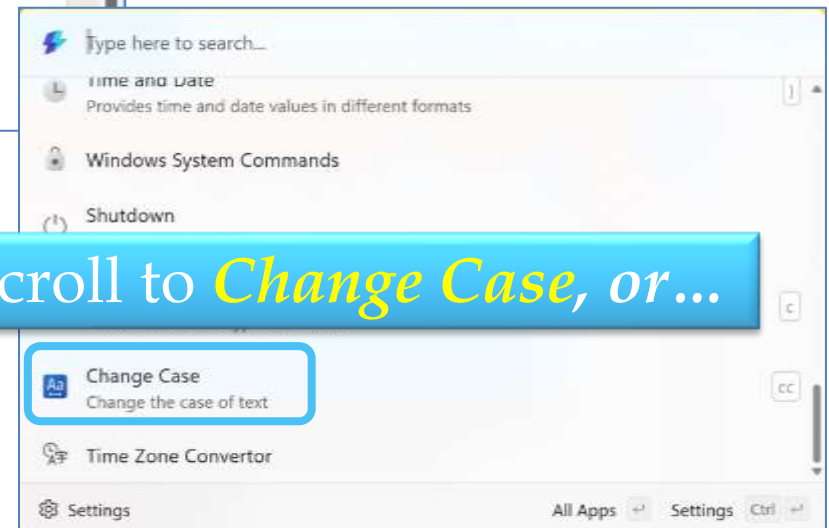
Activate *Command Palette*



Alt

Space

Scroll to *Change Case, or...*



Share

# Using Change Case extension

Press **cc** and a **space**

Arrow or scroll to transformation you want

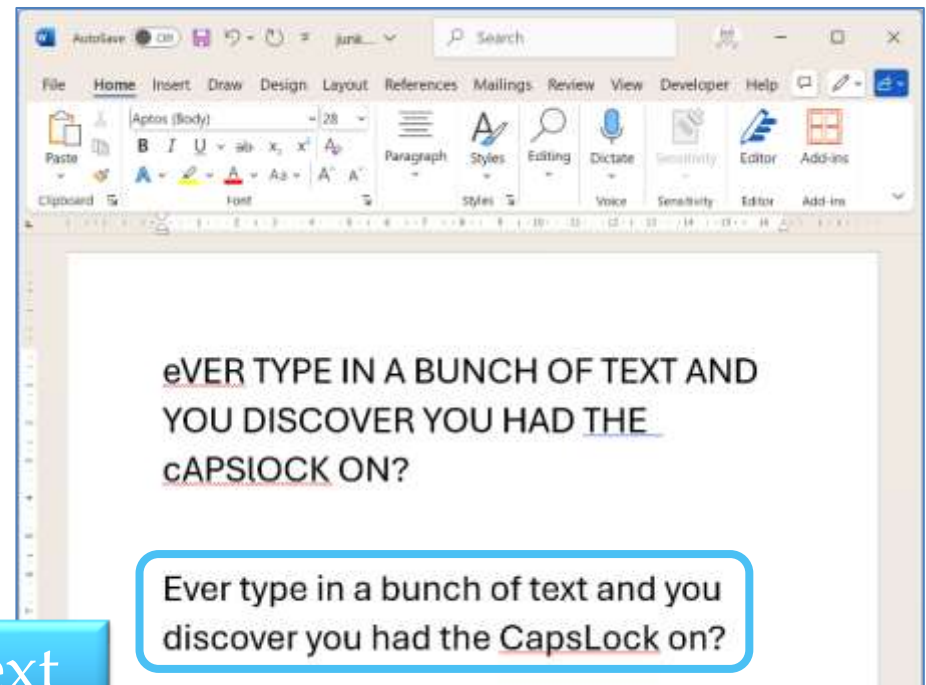
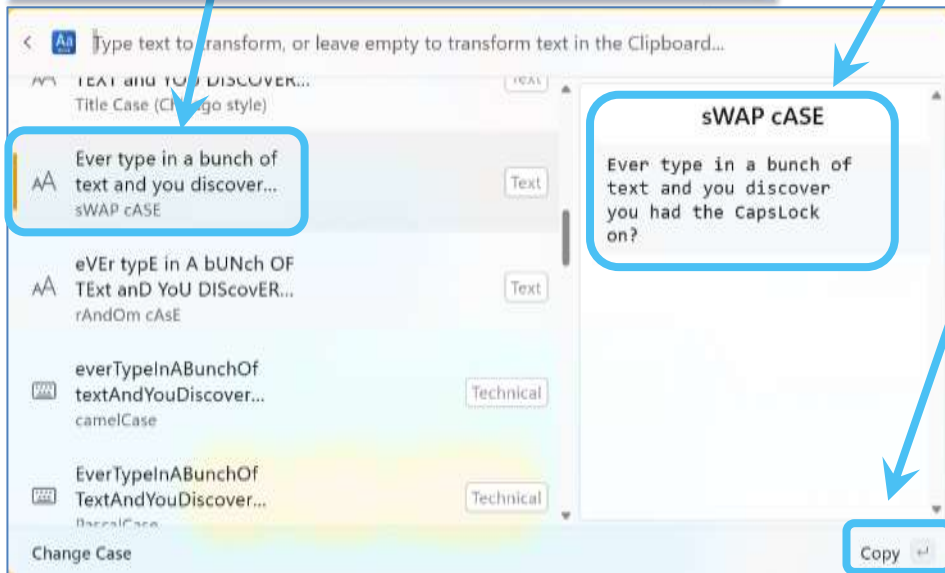
- **sWAP cASE**

Preview window shows effect

- **sWAP cASE**

Press **Enter** or click **Copy**

- transformed text copied to clipboard



Paste transformed text

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# Change Case can do much more

Original text

- some TEXT      extra spaces Éö £€?

Transformation	Output
Lower case	some <b>text</b> extra spaces <b>éö</b> £€?
Upper case	<b>SOME</b> TEXT <b>EXTRA SPACES</b> <b>ÉÖ</b> £€?
Sentence case	<b>Some</b> <b>text</b> extra spaces <b>éö</b> £€?
Random case	<b>SOME</b> <b>TexT</b> <b>ExTRa</b> <b>SPACEs</b> <b>éö</b> £€?
Kebab case	some- <b>text</b> -extra-spaces- <b>eo</b> ( <b>£€?</b> gone)
Remove diacriticals	some TEXT      extra spaces <b>Eo</b> £€?
Remove special characters	some TEXT      extra spaces <b>Éö</b> ( <b>£€?</b> gone)
Remove duplicate spaces, lines & tabs	some TEXT extra spaces <b>Éö</b> £€?
many, many more	

Share

# Don't accept status quo when there are bugs

Original text

- some TEXT   extra spaces Éö £€?

*Lower case* transformation

- some text extra spaces éö £€?

Purple text transformed correctly

- but extra spaces removed

Reported as bug at GitHub

- same day response from developer



jiripolasek 4 days ago

Owner



Hi Chris,

You're absolutely right. I'll fix this by ensuring that all transformations in the "Text" category preserve whitespace exactly as entered.



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# Don't accept status quo when there are bugs

Sometimes preview window shows as a single line

The image shows two screenshots of a text transformation tool. The top screenshot shows a list of transformation options on the left and a preview window on the right. The preview window shows the text "Ever type in a bunch of text and you discover you had the CapsLock on?" wrapped onto two lines, with a red box around it. The bottom screenshot shows the same tool, but the preview window shows the text wrapped onto two lines, with a red box around it. A blue box with the text "rather than wrapping" is overlaid on the bottom screenshot.

Reported as bug at GitHub

- technical reasons why this might not be quickly fixed

Not a show-stopper bug for me

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# Don't accept status quo when you have idea for enhancement

Currently: 27 case transformations

Some I will *often* use

- *sWAP cASE, Sentence case, Remove duplicate spaces, lines and tabs*

Some I will *never* use

- *Kebab-case, rAndOm cAsE*

Suggested ability to remove any I don't want from list of transformations

Developer responded



jiripolasek 19 hours ago

Owner ...

I plan to introduce "pinned" transformations in the next version, which will appear at the top of the list. Would that be a sufficient alternative?

Works for me!

Share

# Don't accept status quo when you have idea for enhancement

Enhancement request: transformation  
that only removes extra spaces #6

Edit

New issue



Open

ChrisJohnTaylor opened 2 days ago

Great extension! Thanks.

I sometimes have to clean up some text created by others  
where they used extra spaces after periods.

A transformation that **only** removed extra spaces (i.e.  
replace any instance of 2 or more spaces with a single  
space) would be very useful.

I know you have "Remove duplicate spaces, lines and tabs"  
but I may not want to remove those extra lines and tabs.

Thanks for your consideration.

jiripolasek self-assigned this 19 hours ago

jiripolasek added **enhancement** 19 hours ago

Developer added enhancement tag  
• so probably coming??

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# Bugs & enhancement requests

- For *Change Case*, reported
  - 2 bugs: one will be fixed, other may take some time
  - 2 enhancement requests: one will be partially satisfied, other likely to be implemented
- Be polite
  - thank the developer & ask, don't demand
- Provide lots of information
  - allow developer to reproduce bugs & understand your needs
- Realize not all suggestions will be addressed
  - non-critical bugs may not be easily fixed
  - developer may not agree with enhancement requests



# What are Snapshots?

- A snapshot is a point-in-time volume image.
- It can be used to create a cloned volume, restore a file, or revert a volume.
- Has low overhead, by using the features of a Copy on Write (COW) filesystem. Only data changes after the snapshot, will utilize additional storage.

But how does it actually work???



# What are Snapshots?

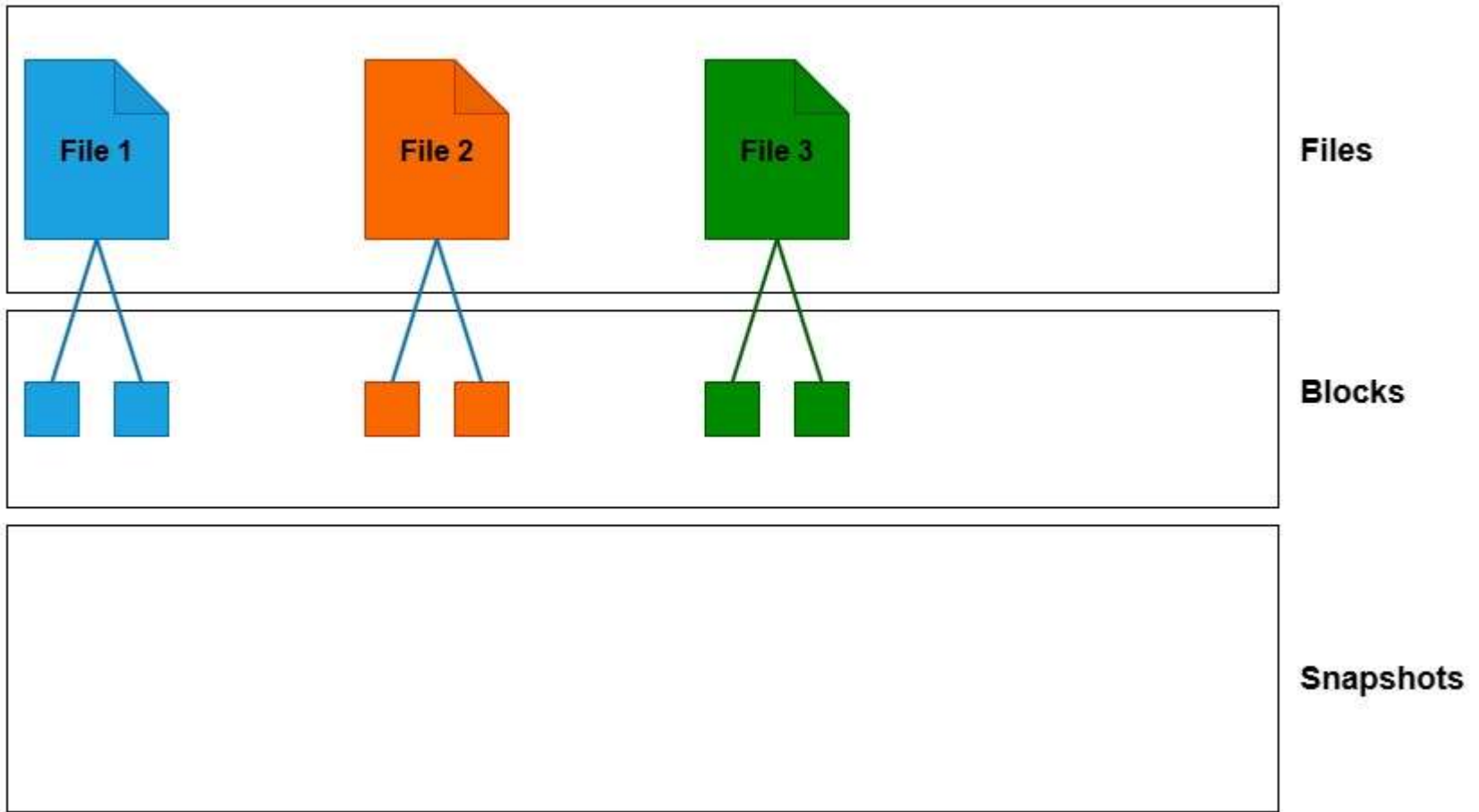
- A snapshot is a point-in-time volume image.
- It can be used to create a cloned volume, restore a file, or revert a volume.
- Has low overhead, by using the features of a Copy on Write (COW) filesystem. Only data changes after the snapshot, will utilize additional storage.

But how does it actually work???

The magic is Pointers!

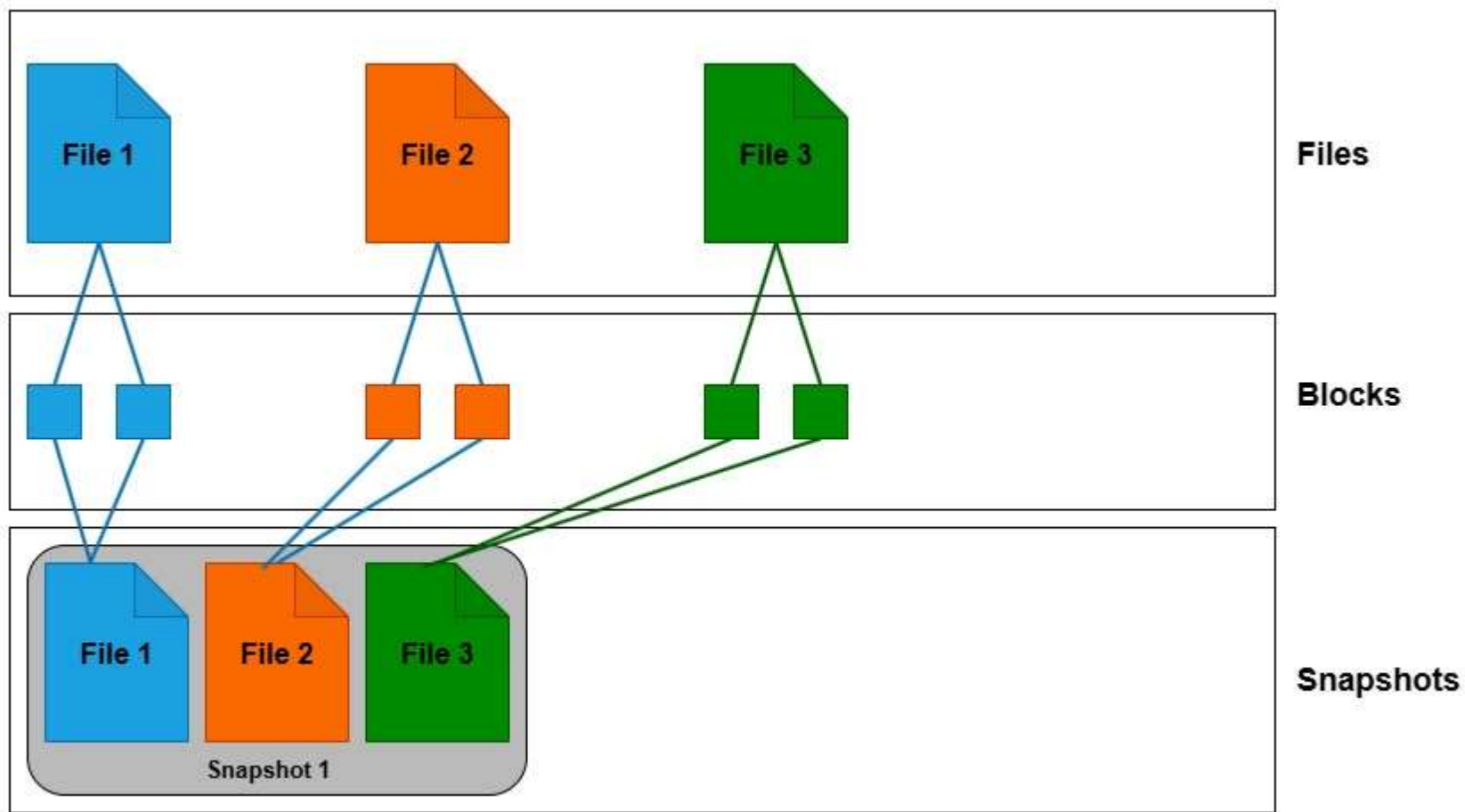


# Our filesystem with 3 files



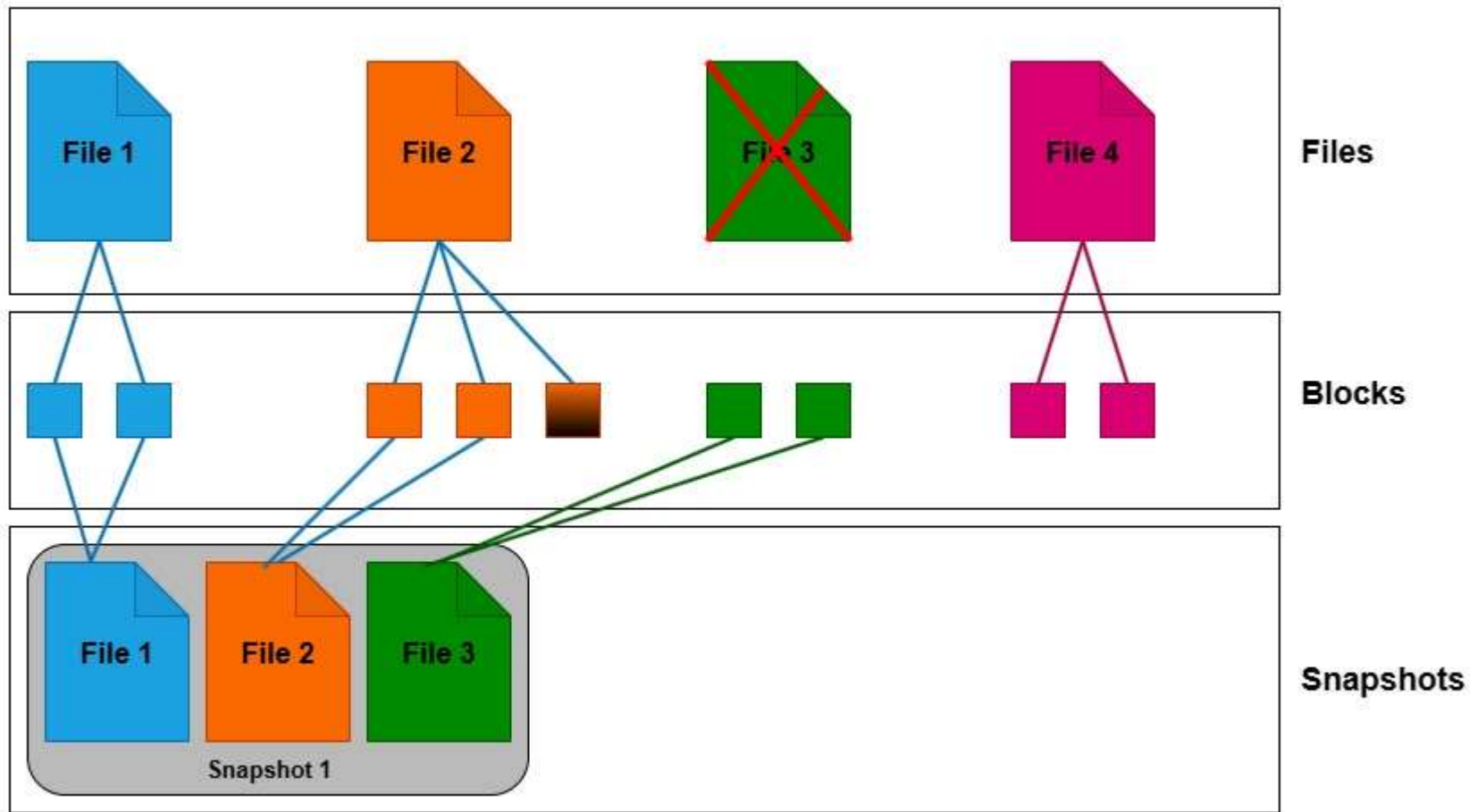


# Snapshot 1 is created

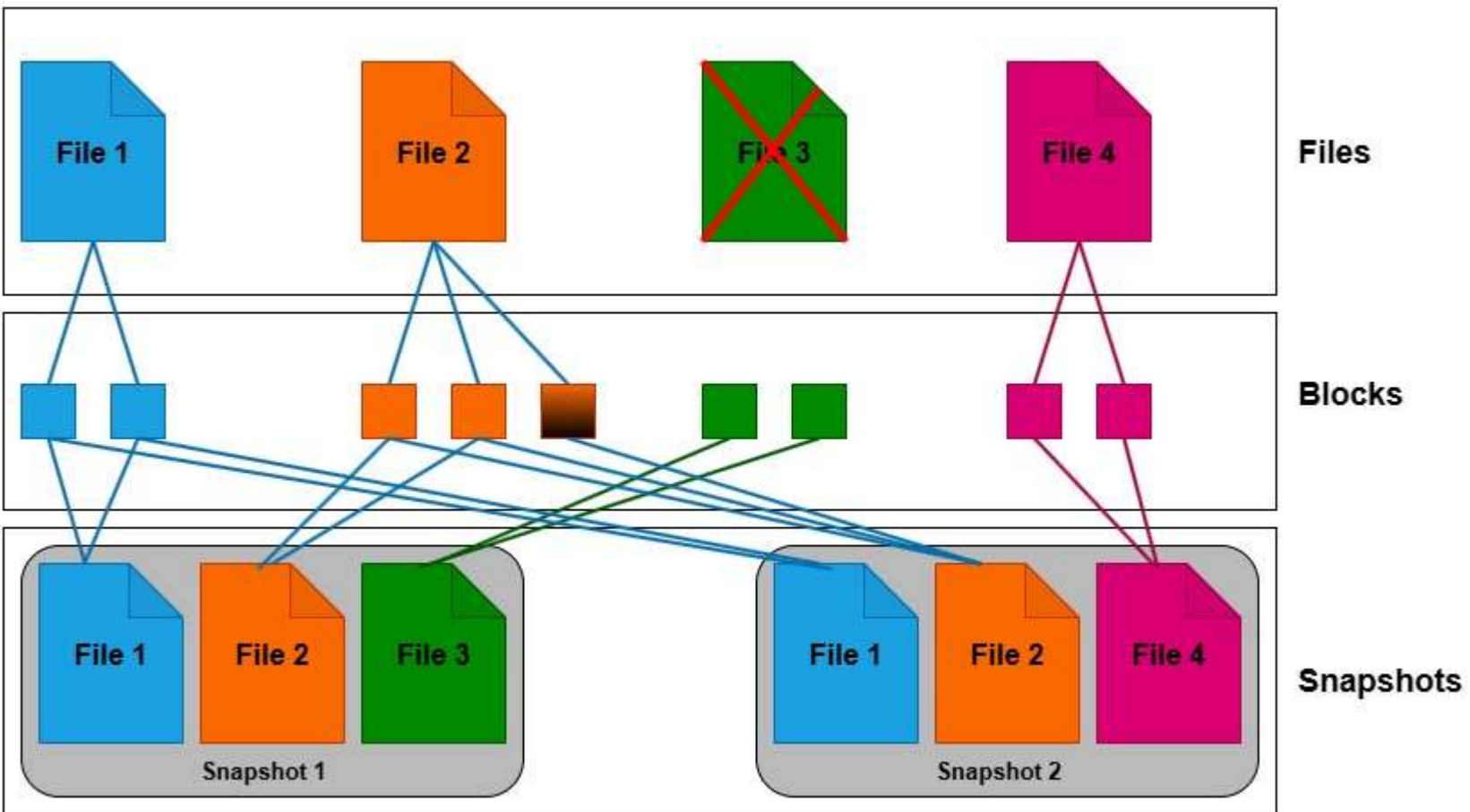




File 2 is modified, File 3 deleted, and a new File 4 is created



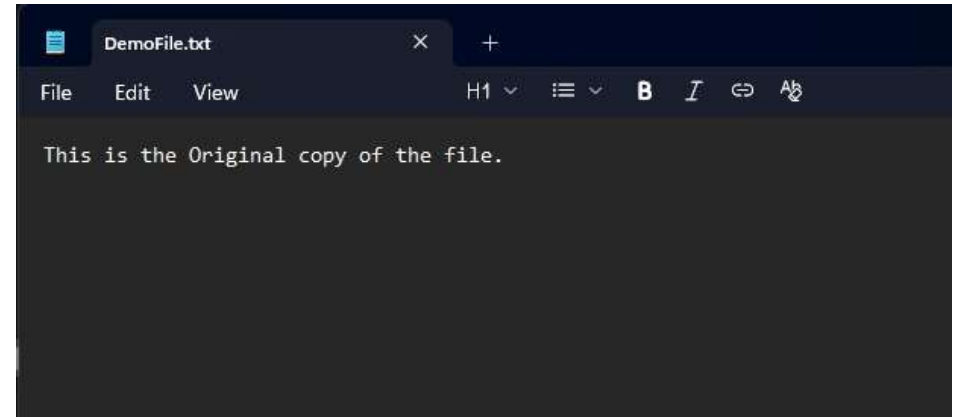
## Snapshot 2 is created



**DEMO**

# Starting State

Name	Date modified	Type	Size
.zfs	2025-07-12 14:46	File folder	
debian-12.11.0-amd64-netinst.iso	2025-07-12 14:51	Disc Image File	686,080 KB
linuxmint-22.1-cinnamon-64bit.iso	2025-07-12 14:53	Disc Image File	2,910,656 KB
DemoFile.txt	2025-07-13 15:42	Text Document	0 KB



# Create Snapshot

Creation submitted for the snapshot.

Snapshot

Dataset\*  
storage01/Demo





Name  
manual-2025-07-13\_15-52

Naming Schema

Recursive

**SUBMIT** CANCEL

Confirmed the snapshot exists. Note it only uses 0.10 bytes of storage.

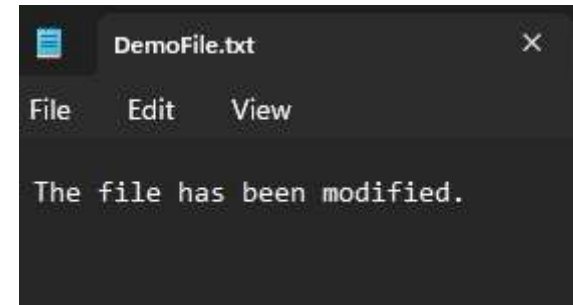
	storage01/Demo	manual-2025-07-13_15-52
DATE CREATED	USED	REFERENCED
2025-07-13 15:52:35	0.10 bytes	3.41 GiB
 DELETE	 CLONE TO NEW DATASET	 ROLLBACK

# Alter Data

The Linux Mint ISO has been deleted.

Name	Date modified	Type	Size
.zfs	2025-07-12 14:46	File folder	
debian-12.11.0-amd64-netinst.iso	2025-07-12 14:51	Disc Image File	686,080 KB
DemoFile.txt	2025-07-13 16:03	Text Document	1 KB




Text in file altered.



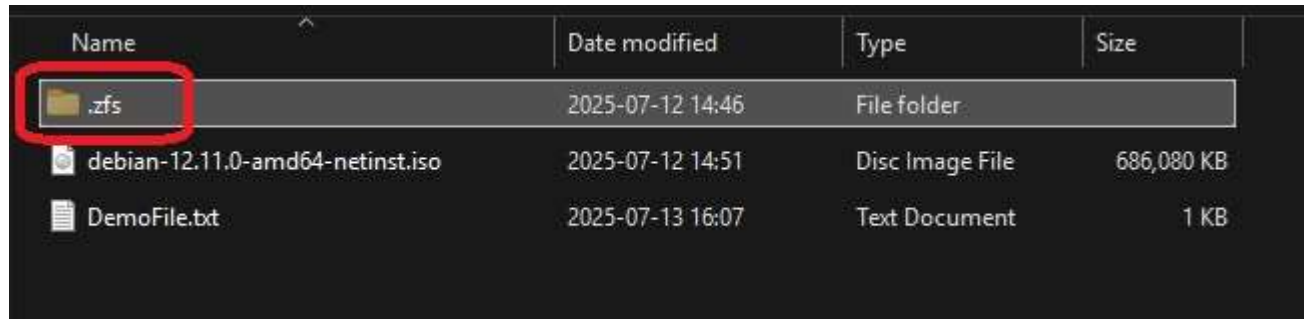
```
DemoFile.txt
File Edit View
The file has been modified.
```

# State of our Snapshot

Note, that our snapshot has grown to 2.76 GiB. This is due to the snapshot now being the sole owner of the changed and deleted data.

<input type="checkbox"/>	storage01/Demo	manual-2025-07-13_15-52
DATE CREATED	USED	REFERENCED
2025-07-13 15:52:35	2.76 GiB	3.41 GiB
 DELETE	 CLONE TO NEW DATASET	 ROLLBACK

# Our special Snapshot Directory



A screenshot of a file explorer window showing a directory listing. The window has a dark background and a table with four columns: Name, Date modified, Type, and Size. The first row, representing a folder named '.zfs', is highlighted with a red rectangular box. Below it are two files: 'debian-12.11.0-amd64-netinst.iso' and 'DemoFile.txt'.

Name	Date modified	Type	Size
.zfs	2025-07-12 14:46	File folder	
debian-12.11.0-amd64-netinst.iso	2025-07-12 14:51	Disc Image File	686,080 KB
DemoFile.txt	2025-07-13 16:07	Text Document	1 KB

# Engage the Flux Capacitor!



All our original files are still here in the snapshot, including the one deleted.

When open DemoFile.txt, it also has the original data.

A screenshot of a file manager window showing a directory listing. The path is Demo > .zfs > snapshot > manual-2025-07-13\_15-52. The table below shows the files in the directory.

Name	Date modified	Type	Size
debian-12.11.0-amd64-netinst.iso	2025-07-12 14:51	Disc Image File	686,080 KB
DemoFile.txt	2025-07-13 15:42	Text Document	1 KB
linuxmint-22.1-cinnamon-64bit.iso	2025-07-12 14:53	Disc Image File	2,910,656 KB

A screenshot of a text editor window titled 'DemoFile.txt'. The menu bar includes File, Edit, and View. The text content of the file is:

```
This is the Original copy of the file.
```



## Some Notes about Snapshots

- Snapshots are only supported by COW filesystems. As of today, the available COW filesystems are ZFS, Btrfs, ReFS, and Bcachefs. The only one of these which is available on Windows is ReFS. Though NTFS is able to “fake it” through features within the shadow copy software.
- Snapshots are local to the machine, so are not by themselves a backup. To be true backups, the snapshots must be replicated to at least one other machine using the same filesystem.



Thank You!

Let me know if you have any Questions.

Share

# Disk Imaging - Part 4

## Emergency (rescue) Disk

### Four-part mini-series:

1. Installation and full disk backup
2. Incremental backup of a partition
3. Restore partitions, files and folders
4. Creating and Using an Emergency (rescue) disk



EaseUS Todo Backup 2025

New Sync

New Backup

Browse to Recover

Tools

DataDisk

Next Backup  
No Schedule



Disk 0

Next Backup  
No Schedule



DataDisk

- Next Backup: No Schedule
- Last Backup: 6/23/2025 8:26 AM Successful



My Disk  
DataDisk D:



P:\z\_images\EaseUS  
474.2 GB Free of 931.5 GB

Recover

Options

Backup Now

New Sync New Backup

Browse to Recover Tools

DataDisk

Next Backup No Schedule



Disk 0

Next Backup No Schedule



- Recover
- Backup
- Rename
- Image Manager
- Check Image
- Delete Backup
- Open Location
- Export Task
- Sort Task

Disk 0

- Next Backup: No Schedule
- Last Backup: 6/20/2025 6:47 PM Successful



My Disk  
Samsung SSD 840 EVO 250GB



P:\z\_images\EaseUS  
474.2 GB Free of 931.5 GB

Recover

Options

Backup Now

New Sync New Backup

Browse to Recover Tools

DataDisk  
Next Backup  
No Schedule

Disk 0  
Recovery

Disk/Partition mode File mode

History Version 6/20/2025 6:20 PM Full

Hard disk 0 (232.89 GB, Basic, GPT)

ESP *: (FAT32) 300.66 MB Free of 500.00 MB	DIAGS *: (FAT32) 35.94 MB Free of 40.00 MB
*: (Other) 0.00 B Free of 128.00 MB	*: (Other) 0.00 B Free of 2.00 GB
Windows 10 C: (NTFS)	*: (Other)

Cancel Next

New Sync New Backup

Browse to Recover Tools

Disk 0\_20250620\_Full\_v1  
Recovering...  
5% 00:00:45  
DataDisk  
Next Backup  
No Schedule  
Disk 0  
Next Backup  
No Schedule

Disk 0\_20250620\_Full\_v1

Question

The target partition is occupied and cannot be deleted. Please manually delete the partition and click "Continue" to recover.

Alternatively, you may reboot into WinPE to continue to recover.

Reboot Continue Cancel

My Disk P:\z\_images\EaseUS\Disk 0

**After several dialogue boxes, the program tells you that you can't overwrite Windows!**

## Remember this suggestion?

Suggestion



It is recommended to create emergency disk now so that you can do recovery easier when needed.

Never ask again

Create now

Later

**We need to create a bootable  
Emergency (rescue) disk**

New Sync

New Backup

Browse to Recover

Tools

- DataDisk  
Next Backup  
No Schedule
- Disk 0  
Next Backup  
No Schedule

DataDisk

- Next Backup: No Schedule
- Last Backup: 6/23/2025 8:26 AM Successful



My Disk  
DataDisk D:



P:\z\_images\EaseUS

Recover

Options

Backup Now

New Sync New Backup

Browse to Recover Tools

- DataDisk
  - Next Backup No Schedule
- Disk 0
  - Next Backup No Schedule

DataDisk

- Next Backup: No Schedule
- Last Backup: 6/23/2025 8:26 AM Successful



My Disk  
DataDisk D:

Tools menu options:

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

P:\\_Images\EaseUS

Recover

Options

Backup Now



New Sync

Create Emergency Disk



ver

Tools

DataDisk  
Next Backup  
No Schedule

Disk 0  
Next Backup  
No Schedule

### Boot disk location



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

Browse...

Add Driver

Create

Cancel

Recover

Options

Backup Now



Upgrade



New Sync

Create Emergency Disk



DataDisk  
Next Backup  
No Schedule

Disk 0  
Next Backup  
No Schedule

Boot disk location



1 (SanDisk Cruzer, E:)

Add Driver

Create

Cancel

Recover

Options

Backup Now



Upgrade



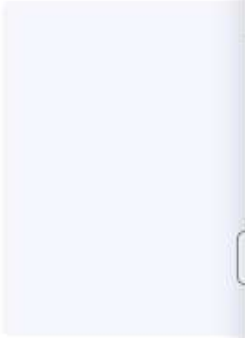
New Sync

Create Emergency Disk



DataDisk  
Next Backup  
No Schedule

Disk 0  
Next Backup  
No Schedule



Add Driver

Create Emergency Disk

WinPE created with Free version does not support Clone and System Transfer.  
Upgrade now to enjoy all the features.





Upgrade



New Sync

Create Emergency Disk



DataDisk

Next Backup  
No Schedule

Disk 0

Next Backup  
No Schedule

Estimated time remaining: 00:02:16

Elapsed time: 00:01:00



Creating WinPE ISO...

Stop

Recover

Options

Backup Now



Upgrade



New Sync

### Create Emergency Disk



DataDisk

Next Backup  
No Schedule

Disk 0

Next Backup  
No Schedule

Estimated time: 00:01:22

Elapsed time: 00:03:48

#### Question



Creating  
Exporting



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

OK

Cancel

Stop

Recover

Options

Backup Now



Upgrade



New Sync

Create Emergency Disk



DataDisk

Next Backup  
No Schedule

Disk 0

Next Backup  
No Schedule

Estimated time remaining: 00:01:59

Elapsed time: 00:04:51



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

Stop

Recover

Options

Backup Now



Upgrade



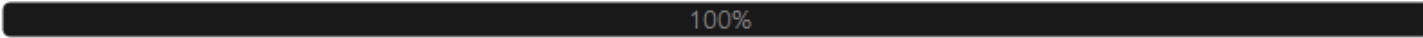
New Sync

### Create Emergency Disk



Estimated time remaining: 00:00:00

Elapsed time: 00:06:58



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

Finish

DataDisk

Next Backup  
No Schedule

Disk 0

Next Backup  
No Schedule

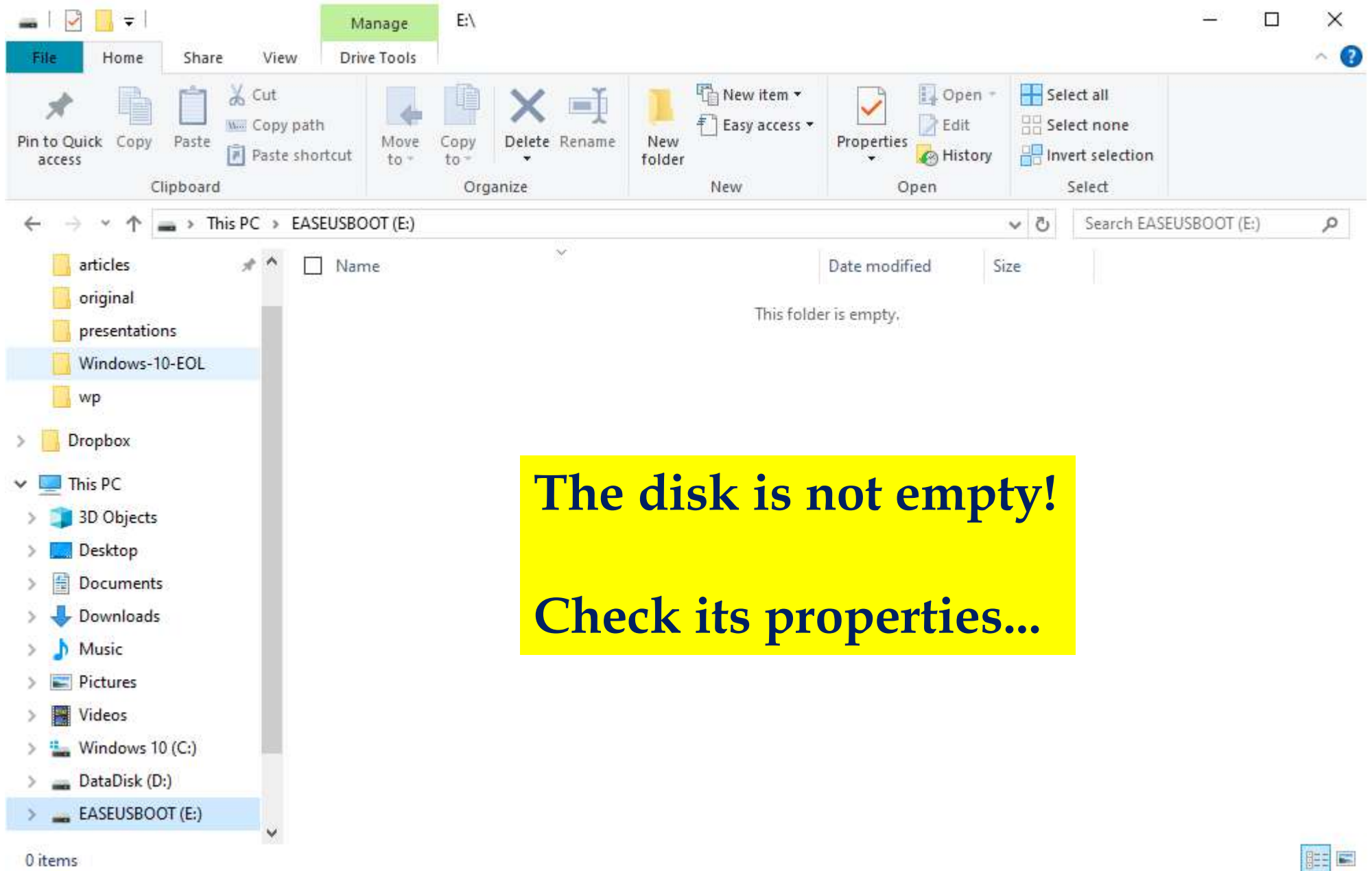
Recover

Options

Backup Now

File Explorer window showing the contents of the EASEUSBOOT (E:) drive. The address bar indicates the current location is E:\EASEUSBOOT (E:). The left sidebar shows the navigation pane with "EASEUSBOOT (E:)" selected. The main area displays a list of folders: articles, original, presentations, Windows-10-EOL, and wp. The "Windows-10-EOL" folder is currently selected. The main area is empty, displaying the message "This folder is empty." The ribbon at the top includes tabs for File, Home, Share, View, and Drive Tools. The ribbon contains various actions such as Pin to Quick access, Copy, Paste, Cut, Copy path, Paste shortcut, Move to, Copy to, Delete, Rename, New folder, Easy access, Properties, Open, Select all, Select none, and Invert selection.

File Explorer window showing the contents of the EASEUSBOOT (E:) drive. The address bar indicates the current location is E:\EASEUSBOOT (E:). The left sidebar shows the navigation pane with "EASEUSBOOT (E:)" selected. The main area displays a list of folders: articles, original, presentations, Windows-10-EOL, and wp. The "Windows-10-EOL" folder is currently selected. The main area is empty, displaying the message "This folder is empty." The ribbon at the top includes tabs for File, Home, Share, View, and Drive Tools. The ribbon contains various actions such as Pin to Quick access, Copy, Paste, Cut, Copy path, Paste shortcut, Move to, Copy to, Delete, Rename, New folder, Easy access, Properties, Open, Select all, Select none, and Invert selection.



File Explorer window showing the EASEUSBOOT (E:) drive. The ribbon includes File, Home, Share, View, and Drive Tools. The main area displays the drive's properties dialog box.

**EASEUSBOOT (E:) Properties**

General | Tools | Hardware | Sharing | ReadyBoost | Customize

**EASEUSBOOT**

Type: USB Drive  
File system: FAT32

Used space:	643,051,520 bytes	613 MB
Free space:	3,368,624,128 bytes	3.13 GB
Capacity:	4,011,675,648 bytes	3.73 GB

Drive E:

0 items

File Home Scan View Options Help Want more?

Select Directory Stop Scan Refresh Size Allocated Space File Count Percent Automatic Units GB MB KB Expand New Folder

Scan Mode Unit Folder Operations

Name	Size	Allocated	Files	Folders	% of Paren...	Last Modified
612.8 MB E:\ on [EASEUSBOOT]	612.1 MB	612.8 MB	339	122	100.0 %	6/24/2025
> 553.6 MB SOURCES	553.6 MB	553.6 MB	1	0	90.3 %	6/24/2025
> 26.8 MB EFI	26.5 MB	26.8 MB	135	42	4.4 %	6/24/2025
> 22.6 MB BOOT	22.4 MB	22.6 MB	92	40	3.7 %	6/24/2025
> 3.3 MB [17 Files]	3.3 MB	3.3 MB	17	0	0.5 %	6/24/2025
> 216.0 KB EL_GR~1	212.3 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 216.0 KB DE_DE~1	210.0 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 216.0 KB HU_HU~1	210.0 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 216.0 KB FR_FR~1	209.9 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 216.0 KB PL_PL~1	206.9 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 216.0 KB ES_ES~1	205.6 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 216.0 KB NL_NL~1	205.1 KB	216.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB IT_IT~1	204.4 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB PT_PT~1	203.9 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 204.0 KB RU_RU~1	203.6 KB	204.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB CS_CZ~1	203.4 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB FI_FI~1	203.3 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB PT_BR~1	203.3 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB SV_SE~1	201.9 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB DA_DK~1	201.3 KB	208.0 KB	3	0	0.0 %	6/24/2025
> 208.0 KB TR_TR~1	201.3 KB	208.0 KB	3	0	0.0 %	6/24/2025

# Boot the Emergency Disk

- The disk creation process was successful
- The emergency disk is not empty!
- It has 612 MB of files in hidden system folders
- Boot the computer from the USB flash drive  
*(check the keystroke required for your computer)*
- The computer will boot directly into EaseUS  
Todo Backup running under Windows PE  
*(Windows Preinstallation Environment)*

New Sync

New Backup

Browse to Recover

Tools

DataDisk

Next Backup  
No Schedule



Disk 0

Next Backup  
No Schedule



DataDisk

- Next Backup: No Schedule
- Last Backup: 6/23/2025 8:26 AM Successful



My Disk

DataDisk D:



P:\z\_images\EaseUS

474.2 GB Free of 931.5 GB

Recover

Options

Backup Now

New Sync **New Backup**

- DataDisk  
Next Backup  
No Schedule
- Disk 0  
Next Backup  
No Schedule

Browse to Recover

If you want to restore a backup image file from another computer, or the local backup task cannot find the associated image file, you can find and select the file for restoration here.

Please select the location where your backup file (.pbd) is stored:

- EaseUS Cloud
- Local Drive**
- Network Device

Recover

Browse to Recover Tools



P:\z\_images\EaseUS  
474.2 GB Free of 931.5 GB

Options **Backup Now**

New Sync

New Backup

DataDisk

Next Backup  
No Schedule

Disk 0

Next Backup  
No Schedule

Browse to Recover

\\z\_images\EaseUS\Disk 0\Disk 0\_20250620\_Full\_v1.pbd

Goto...

- > \$RECYCLE.BIN
- > System Volume Information
- > WD\_Passport
- ▼ z\_images
  - > A32-5G
  - ▼ EaseUS
    - > DataDisk
    - ▼ Disk 0

◆ Disk 0\_20250620\_Full\_v1.pbd

File name: Disk 0\_20250620\_Full\_v1.pbd

File type: \*.pbd

OK

Back

Recover

Upgrade

Browse to Recover

Tools



P:\z\_images\EaseUS

474.2 GB Free of 931.5 GB

Options

Backup Now

New Sync New Backup

Browse to Recover Tools

- Disk 0\_20250620\_Full\_v1
- Recovery
- DataDisk
- Next Backup No Schedule
- Disk 0
- Next Backup No Schedule

Disk/Partition mode File mode

History Version 6/20/2025 6:20 PM Full

Hard disk 0 (232.89 GB, Basic, GPT)

ESP \*: (FAT32)  
300.66 MB Free of 500.00 MB

DIAGS \*: (FAT32)  
35.94 MB Free of 40.00 MB

\*: (Other)  
0.00 B Free of 128.00 MB

\*: (Other)  
0.00 B Free of 2.00 GB

Windows 10 C: (NTFS)

\*: (Other)

Cancel Next







New Sync New Backup

Browse to Recover Tools

- Disk 0\_20250620\_Full\_v1
- Recovery
- DataDisk
- Next Backup No Schedule
- Disk 0
- Next Backup No Schedule

Recover to: Disk 0

Hard disk 0 (232.89 GB, Basic, GPT)

 ESP *: (FAT32) 300.66 MB Free of 500.00 MB	 DIAGS *: (FAT32) 35.93 MB Free of 40.00 MB
 *: (Other) 0.00 B Free of 128.00 MB	 *: (Other) 0.00 B Free of 2.00 GB
 Windows 10 C: (NTFS) 13.49 GB Free of 139.38 GB	 *: (Other) 0.00 B Free of 529.00 MB

Advanced options Cancel Back Next

New Sync New Backup

Browse to Recover Tools

- Disk 0\_20250620\_Full\_v1
- Recovery
- DataDisk
- Next Backup No Schedule
- Disk 0
- Next Backup No Schedule

Recover to: Disk 0

**Warning**

⚠ The system partition on the destination disk will be overwritten. Do you want to continue?

Yes No



Advanced options

Cancel

Back

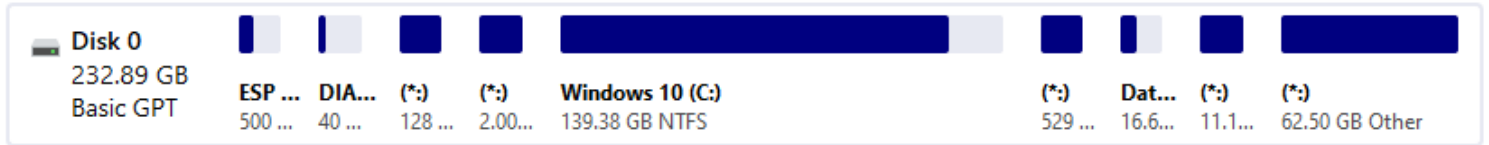
Next

New Sync New Backup

Browse to Recover Tools

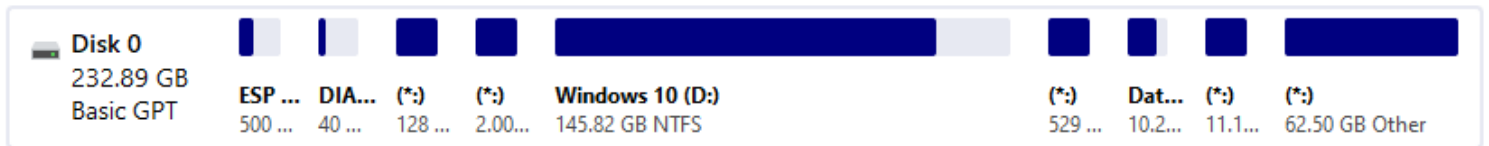
- Disk 0\_20250620\_Full\_v1
- Recovery
- DataDisk
- Next Backup No Schedule
- Disk 0
- Next Backup No Schedule

Source disk layout



Target disk layout after copy

Autofit the disk



Recover data with EaseUS Instant Access (it doesn't support recovering to the current system)

Cancel Back Proceed

# Recovery Complete

## When the process is finished:

- Messages will indicate  
*Recovery completed*  
*Total used time 00:59:15*
- Reboot the computer
- All the disk partitions will have been restored
- The operating system, installed applications, and data files will have been restored to the point in time when the full disk image backup was made



# Next Time

Chris will discuss scheduling and managing backups



Share

# Windows 10 Consumer Extended Security Updates (ESU) program

- Until very recently...
- If you wanted to continue running Windows 10 after end-of-life on 2025-10-14
  - could pay US\$30 for one more year of security updates
- Recently added two new zero-dollar options
  - if you are syncing your PC Settings, or
  - redeem 1,000 Microsoft Rewards points
- ESU provides security updates through 2026-10-13

<https://support.microsoft.com/en-gb/windows/windows-10-consumer-extended-security-updates-esu-program-33e17de9-36b3-43bb-874d-6c53d2e4bf42>

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# Requirements for *Consumer ESU*

- Running Windows 10, version 22H2 **Home, Professional, Pro Education, or Workstation**
- Latest update installed
- Microsoft account used to sign in to the device must be an administrator account & can't be a child account
- Tied to your Microsoft account
  - may be prompted to sign in if you use a local account

Share

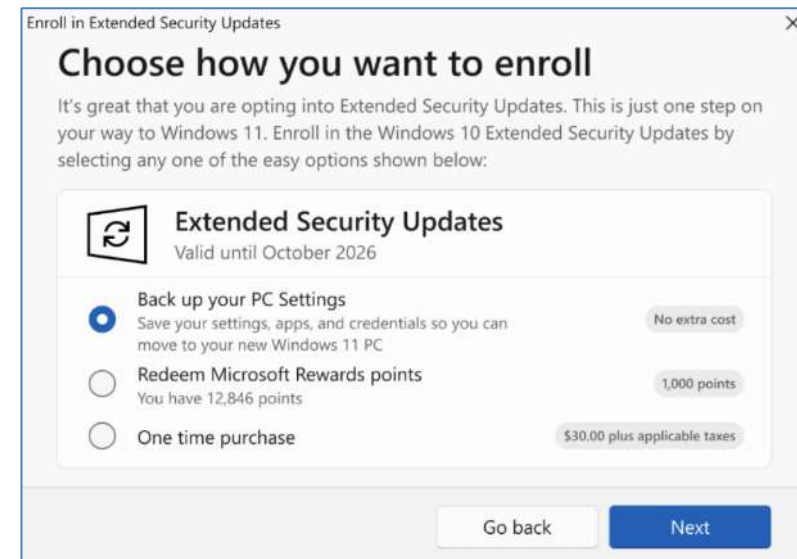
## Restrictions for *Consumer ESU*

- Can't be used by commercial devices
- Consumer ESU enrollment won't be offered in the following scenarios:
  - devices in kiosk mode
  - devices joined to an Active Directory domain
  - devices enrolled in Mobile Device Management (MDM)
  - devices that already have an ESU license

Share

# Enrolling in ESU

- **Starting with Windows Insiders**
- **Settings > Update & Security > Windows Update**
- If device meets prerequisites – link to enroll
- If using local account – sign into Microsoft account
- If already backing up PC Settings – prompt to enroll
- If not backing up PC settings – choose
  - begin backing up settings, or
  - redeem Rewards, or
  - US\$30 purchase to enroll in ESU
- Can use existing ESU license on up to 10 devices



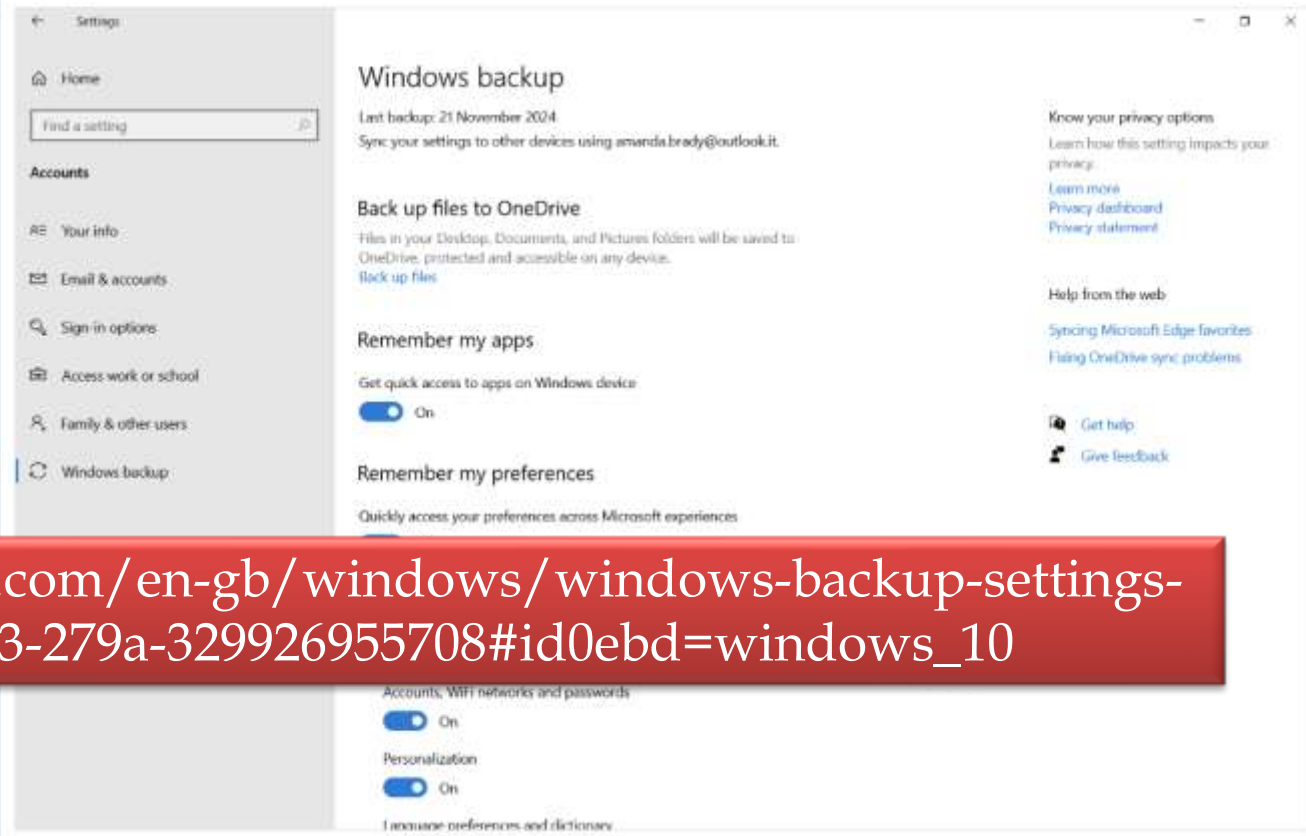
Share

# Backing up PC Settings

- Zero-cost option for Consumer ESU program

## Turn on Windows backup

You can turn on Windows backup using the **Windows Backup** app or from **Settings**. For details how configure your backup, see [Back up and restore your Windows PC](#).



- Details:

[https://support.microsoft.com/en-gb/windows/windows-backup-settings-catalog-deebcba2-5bc0-4e63-279a-329926955708#id0ebd=windows\\_10](https://support.microsoft.com/en-gb/windows/windows-backup-settings-catalog-deebcba2-5bc0-4e63-279a-329926955708#id0ebd=windows_10)

Share

# Microsoft Rewards points

- Low-cost option for Consumer ESU
  - 1,000 Microsoft Rewards points
- Details

<https://support.microsoft.com/en-gb/account-billing/learn-about-microsoft-rewards-c5ab735d-c6d9-4bb9-30ad-d828e954b6a9>

- For reference
  - 1,030 points can be cashed in on a \$1.25 Microsoft gift card

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# Earning Rewards points

- Search with Bing or search the web through Windows 10/11 search box

Make sure signed into Microsoft account

The screenshot shows the Microsoft Bing search interface. The search bar contains the query "how long has the Ottawa PC Users' Group existed". The search results show "About 1,200,000 results" and a featured snippet for "40 years". The snippet text reads: "The Ottawa PC Users' Group (OPCUG) has existed for **over 40 years** <sup>1 2 5</sup>. It is a not-for-profit organization located in Ottawa, Ontario, and its motto is "Users Helping Users" <sup>2 3</sup>." In the top right corner, there is a notification for a Microsoft account named "Chris" with a profile picture and a reward points icon showing "2268". Red arrows point from the text boxes to the account name and the reward points icon.

Current rewards points

- Details

<https://support.microsoft.com/en-us/account-billing/how-to-earn-microsoft-rewards-points-83179747-1807-7a5e-ce9d-a7c544327174>

Share

# Earning Rewards points

- Take daily quizzes or playing trivia games at <https://rewards.bing.com/>
  - earn *typically* 5 to 15 points per task
  - some take as little as 5 seconds
- Some more options
- Details:



<https://support.microsoft.com/en-us/account-billing/how-to-earn-microsoft-rewards-points-83179747-1807-7a5e-ce9d-a7c544327174>

Share

# Recap

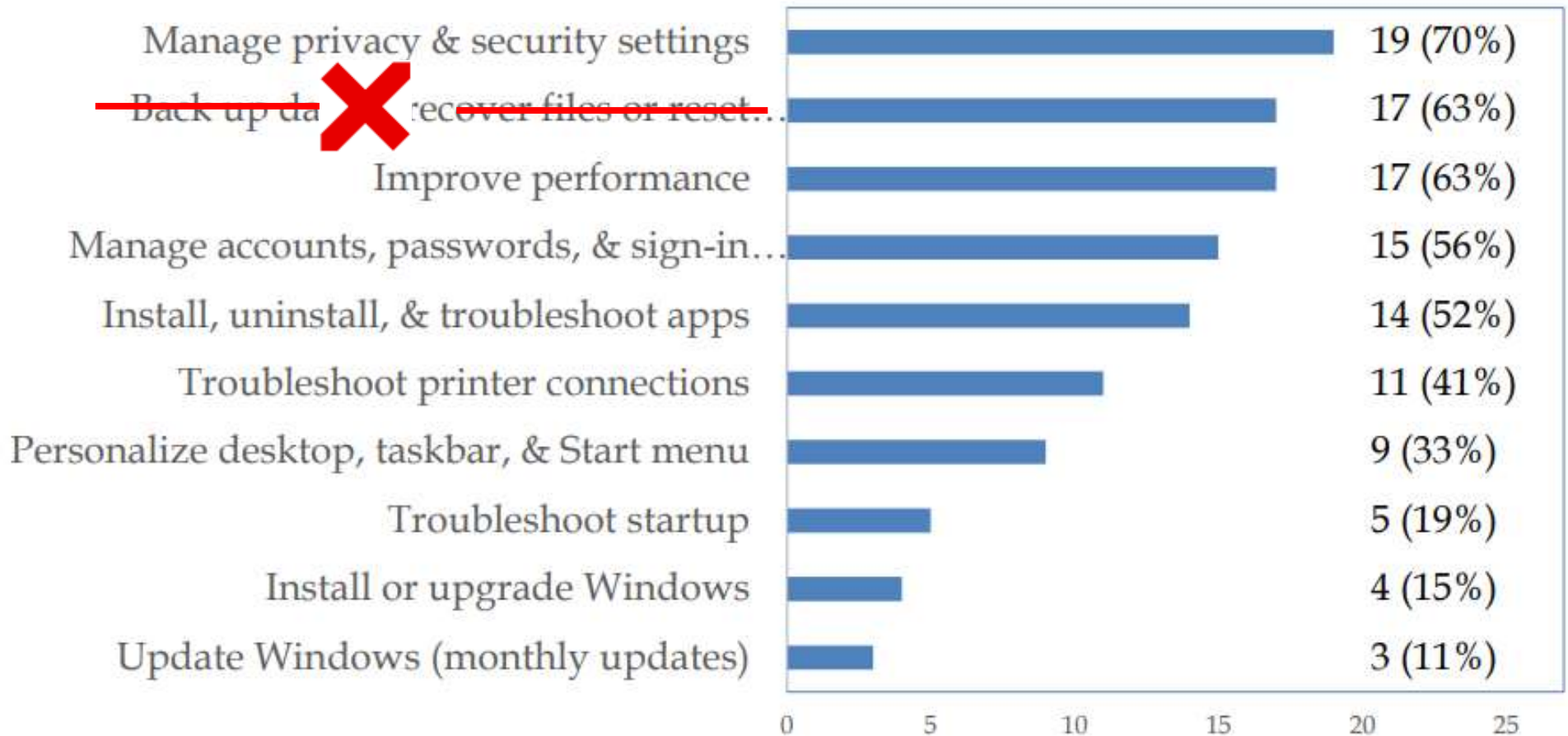
## Consumer Extended Security Updates

- Provides Windows 10 security updates until 2026-10-13
- Paid option
  - US\$30 per device
- Free option
  - enable backup of PC Settings
- Almost free option
  - cash in 1,000 Microsoft Rewards points
  - can be earned by searching with Bing or completing trivial tasks
- Currently only available to Windows Insiders
- Watch at **Settings > Update & Security > Windows update**
  - link to enroll in ESU



**Any other:  
Questions  
Comments  
Shares?**

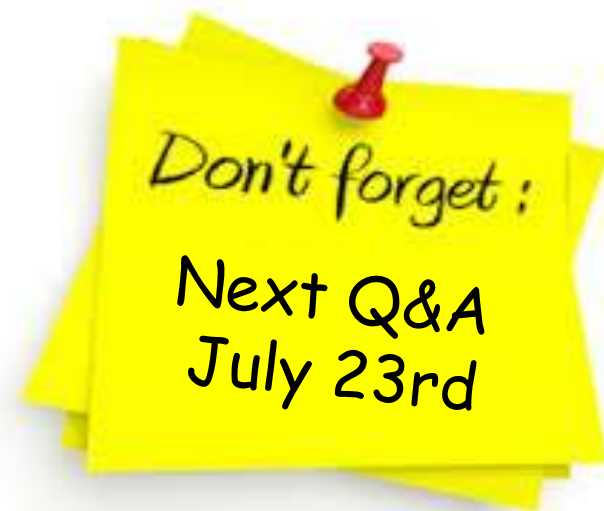
# Follow Up Which questions about Windows interest you?



# Follow Up Call to action



- Now we need mini- (*or not so mini-*) presentations
- Do you have knowledge about any of the topics you could pass on to others?
  - you don't need to be an expert!
  - maybe you have some ideas
  - maybe you have some ideas that cover *part* of an issue
  - can be the start of a discussion
- Let us know at [SuggestionBox@opcug.ca](mailto:SuggestionBox@opcug.ca)
  - we will reserve time for your presentation at a future Q&A



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

**[SuggestionBox@opcug.ca](mailto:SuggestionBox@opcug.ca)**