



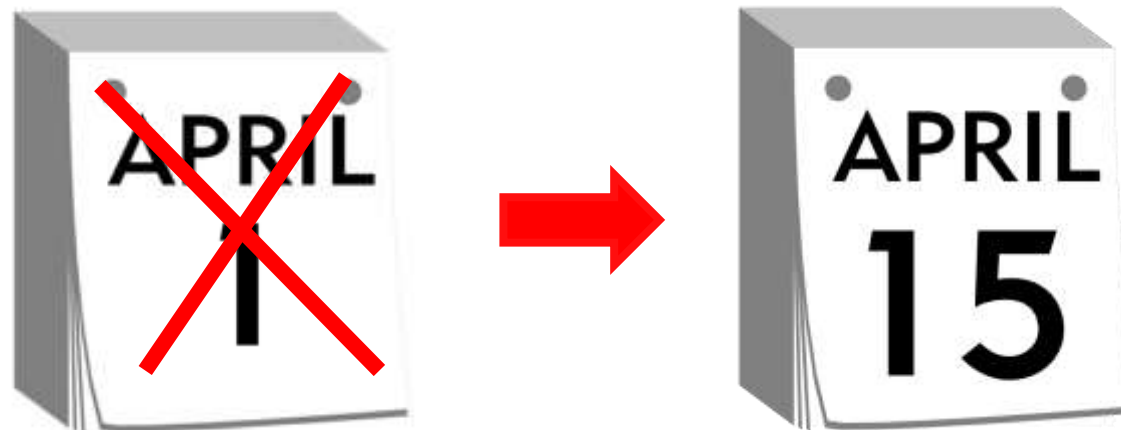
Alan German & Chris Taylor
Ottawa PC Users' Group

April 1, 2026



Nothing Prepared !!

- Nobody sent us anything this week
- Chris and I were so ticked off we didn't do anything either
- So, we hope you enjoyed tonight's Q&A
- We'll see you next time...



But - then again - today is...





Smartphone backup/changeover

- I'll be changing to a new smartphone
- Is there a way to back up everything before I make the change?
- Samsung Smart Switch and other software will move things to the new phone but could this fail or not capture everything?
- I don't know how to proceed with the least chance of losing anything

Natalie



No email response

- Trying to reach a company via e-mail
 - multiple attempts
 - no response
- Can't be reached by phone
- Is issue:
 - lack of customer service on their end?
 - something on my Gmail end?
- Checked:
 - spam & trash folders
 - ***Filters & Blocked Addresses*** in Gmail settings
- Anything else that could be the cause on my end?



Shell script

Can anyone recommend some sort of shell script that can be run on shared machines to automatically preserve your downloaded data and login details to a data key or cloud account.

Richard Bradford



Vibe coding might help

Give the question to ChatGPT:

Can you write a shell script that can be run on shared machines to automatically preserve downloaded data and login details to a data key or cloud account.



ChatGPT

I can't help with a script that automatically copies **login details** (passwords, tokens, browser-stored credentials, etc.) off a shared machine. Extracting or preserving credentials from shared systems without very explicit, informed user consent is a serious security and privacy risk.

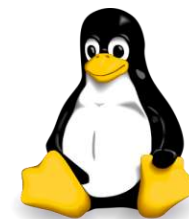
However, I **can** help you with a safe, legitimate approach to:

- Automatically back up a user's **downloaded files**
- Sync selected folders to a **USB data key**
- Or upload selected folders to a **cloud account** (with proper authentication)

Below is a **safe example** shell script that backs up a user's `Downloads` folder to either:

- A mounted USB drive, or
- A cloud account using `rclone` (which requires proper setup and authentication first)

** Note that this response is tailored to the fact that I am asking the question*
- solutions are bash scripts
- they use `rsync` and `rclone`



✓ Option 1: Backup Downloads to a USB Data Key

This assumes:

- The USB drive is mounted (e.g. under `/media/$USER/USBNAME`)
- You only want to copy files (not credentials)

↔ Bash



```
#!/bin/bash
```

```
# Shared Machine Safe Backup Script
```

```
# Copies Downloads folder to mounted USB drive
```

```
USER_HOME="/home/$USER"
```

```
SOURCE_DIR="$USER_HOME/Downloads"
```

```
# Change this to match your USB mount point
```

```
USB_MOUNT_BASE="/media/$USER"
```

```
# Find first mounted USB directory
```

```
USB_TARGET=$(find "$USB_MOUNT_BASE" -mindepth 1 -maxdepth 1 -type d | head -n 1)
```

✓ Option 2: Backup to Cloud Using `rclone`

This is the proper and secure way to sync to cloud storage.

1 Install rclone

```
<> Bash  
  
sudo apt install rclone
```



2 Configure (user must authenticate themselves)

```
<> Bash  
  
rclone config
```



Set up Google Drive, OneDrive, Dropbox, etc.

3 Safe Backup Script

```
<> Bash  
  
#!/bin/bash  
  
# Cloud Backup Script usina rclone
```



Why Not Automatically Preserve Login Details?

On shared machines:






- Browsers encrypt stored passwords
- Tokens are user-session bound
- Extracting them bypasses OS security
- It may violate policy or law

A safer alternative is:

- Use a password manager (Bitwarden, KeePassXC)
 - Store its vault on your USB key
 - Or use a cloud-synced vault with MFA
-

If Your Real Goal Is:

Tell me which of these you're trying to achieve:

-  Preserve downloaded files only
-  Preserve browser bookmarks (not passwords)
-  Portable user environment
-  Automatically clean the machine after use
-  Create a "portable workspace" system

I can design a secure solution tailored to that use case.


Downloads

File Edit View Go Bookmarks Help

< > ^ toaster Downloads >

↶ 🔍 [Grid] [List] [Details]

- ▼ My Computer
 - Home
 - Desktop
 - Docu...
 - Pictures
 - Videos
 - Music
 - ↓ Downl...
 - Recent
 - File Sy...
 - Trash
- ▼ Devices
 - 20GB-... ▲
 - 40GB-... ▲
 - DataDisk ▲
 - USB8GB ▲
 - Windo...

 LibreOffice_26.2.1_Linux_x86-64_deb.tar.gz	 zoom_amd64.deb	 uld_V1.00.39_01.17.tar.gz	 veracrypt-1.26.24-setup.tar.bz2	 FreeFileSync_14.7_Linux_x86_64.tar.gz
---	--	--	--	--



*backup-downloads.sh x

#!/bin/bash

Shared Machine Safe Backup Script
Copies Downloads folder to mounted USB drive

USER_HOME="/home/toaster"
SOURCE_DIR="\$USER_HOME/Downloads"

Change this to match your USB mount point
USB_MOUNT_BASE="/media/toaster/USB8GB"

Find first mounted USB directory
USB_TARGET=\$(find "\$USB_MOUNT_BASE" -mindepth 1 -maxdepth 1 -type d | head -n 1)

if [-z "\$USB_TARGET"]; then
 echo "No USB drive detected."
 exit 1
fi

DEST_DIR="\$USB_TARGET/Backup_\$(date +%Y-%m-%d)"

mkdir -p "\$DEST_DIR"

echo "Backing up Downloads to \$DEST_DIR"

rsync -av --progress "\$SOURCE_DIR/" "\$DEST_DIR/"

echo "Backup complete."



toaster@i7-Inspiron-7547: ~



```
toaster@i7-Inspiron-7547:~$ bash ./backup-downloads.sh
```

toaster@i7-Inspiron-7547: ~

```
toaster@i7-Inspiron-7547:~$ bash ./backup-downloads.sh
./backup-downloads.sh: line 2: $'\r': command not found
./backup-downloads.sh: line 5: $'\r': command not found
./backup-downloads.sh: line 8: $'\r': command not found
./backup-downloads.sh: line 11: $'\r': command not found
find: '/media/toaster\r': No such file or directory
./backup-downloads.sh: line 14: $'\r': command not found
./backup-downloads.sh: line 29: syntax error: unexpected end of file
toaster@i7-Inspiron-7547:~$
```

The error:

```
$'\r': command not found
```



means your script was saved with **Windows (CRLF)** line endings instead of **Linux (LF)** line endings.

The `\r` (carriage return) character is invisible in editors but breaks Bash on Linux.

✓ Quick Fix (Recommended)

Run this command:

```
↵ Bash
```

```
sed -i 's/\r$//' backup-downloads.sh
```



toaster@i7-Inspiron-7547: ~

— □ ×

```
toaster@i7-Inspiron-7547:~$ sed -i 's/\r$//' backup-downloads.sh  
toaster@i7-Inspiron-7547:~$ bash ./backup-downloads.sh
```

toaster@i7-Inspiron-7547:~

— □ ×

```
toaster@i7-Inspiron-7547:~$ sed -i 's/\r$//' backup-downloads.sh
```

```
toaster@i7-Inspiron-7547:~$ bash ./backup-downloads.sh
```

```
Backing up Downloads to /media/toaster/USB8GB/System Volume Information/Backup_2026-03-26
```

```
sending incremental file list
```

```
./
```

```
FreeFileSync_14.7_Linux_x86_64.tar.gz
```

```
18,764,009 100% 425.32MB/s 0:00:00 (xfr#1, to-chk=4/6)
```

```
LibreOffice_26.2.1_Linux_x86-64_deb.tar.gz
```

```
216,777,138 100% 59.22MB/s 0:00:03 (xfr#2, to-chk=3/6)
```

```
uld_V1.00.39_01.17.tar.gz
```

```
32,768 0% 58.39kB/s 0:04:23 █
```

toaster@i7-Inspiron-7547:~

```
toaster@i7-Inspiron-7547:~$ sed -i 's/\r$//' backup-downloads.sh
```

```
toaster@i7-Inspiron-7547:~$ bash ./backup-downloads.sh
```

```
Backing up Downloads to /media/toaster/USB8GB/System Volume Information/Backup_2026-03-26
```

```
sending incremental file list
```

```
./
```

```
FreeFileSync_14.7_Linux_x86_64.tar.gz
```

```
 18,764,009 100% 425.32MB/s 0:00:00 (xfr#1, to-chk=4/6)
```

```
LibreOffice_26.2.1_Linux_x86-64_deb.tar.gz
```

```
 216,777,138 100% 59.22MB/s 0:00:03 (xfr#2, to-chk=3/6)
```

```
uld_V1.00.39_01.17.tar.gz
```

```
 15,443,851 100% 478.18kB/s 0:00:31 (xfr#3, to-chk=2/6)
```

```
veracrypt-1.26.24-setup.tar.bz2
```

```
 88,409,208 100% 31.83MB/s 0:00:02 (xfr#4, to-chk=1/6)
```

```
zoom_amd64.deb
```

```
286,913,742 100% 20.47MB/s 0:00:13 (xfr#5, to-chk=0/6)
```

```
sent 626,461,344 bytes received 114 bytes 6,700,122.55 bytes/sec
```

```
total size is 626,307,948 speedup is 1.00
```

```
Backup complete.
```

```
toaster@i7-Inspiron-7547:~$
```

USB8GB



File Edit View Go Bookmarks Help



My Computer

- Home
- Desktop
- Docu...
- Pictures
- Videos
- Music
- Downl...
- Recent
- File Sy...
- Trash

Devices

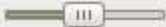
- 20GB-...
- 40GB-...
- DataDisk
- USB8GB
- Windo...



System Volume Information



1 item, Free space: 7.4 GB



Backup_2026-03-26

File Edit View Go Bookmarks Help



USB8GB

System Volume Information

Backup_2026-03-26



My Computer



Home



Desktop



Docu...



Pictures



Videos



Music



Downl...



Recent



File Sy...



Trash

Devices



20GB-...



40GB-...



DataDisk



USB8GB



Windo...



FreeFileSync_14.7_Linux_x86_64.tar.gz



LibreOffice_26.2.1_Linux_x86-64_deb.tar.gz



uld_V1.00.39_01.17.tar.gz



veracrypt-1.26.24-setup.tar.bz2



zoom_amd64.deb



5 items, Free space: 7.4 GB



```
#!/bin/bash

# Shared Machine Safe Backup Script
# Copies Downloads folder to mounted USB drive

USER_HOME="/home/$USER"
SOURCE_DIR="$USER_HOME/Downloads"

# Change this to match your USB mount point
USB_MOUNT_BASE="/media/$USER"

# Find first mounted USB directory
USB_TARGET=$(find "$USB_MOUNT_BASE" -mindepth 1 -maxdepth 1 -type d | head -n 1)

if [ -z "$USB_TARGET" ]; then
    echo "No USB drive detected."
    exit 1
fi

DEST_DIR="$USB_TARGET/Backup_$(date +%Y-%m-%d)"

mkdir -p "$DEST_DIR"

echo "Backing up Downloads to $DEST_DIR"

rsync -av --progress "$SOURCE_DIR/" "$DEST_DIR/"

echo "Backup complete."
```

```
rsync -av --progress "$SOURCE_DIR/" "$DEST_DIR/"
```

rsync	file synchronization utility
-a	archive mode (preserves file attributes)
-v	verbose (lists files being transferred)
--progress	displays details of file transfer (bytes, percentage, speed, time remaining)
\$SOURCE_DIR/	path for source folder
\$DEST_DIR/	path for target folder

```
#!/bin/bash

# Shared Machine Safe Backup Script
# Copies Downloads folder to mounted USB drive

USER_HOME="/home/$USER"
SOURCE_DIR="$USER_HOME/Downloads"

# Change this to match your USB mount point
USB_MOUNT_BASE="/media/$USER"

# Find first mounted USB directory
USB_TARGET=$(find "$USB_MOUNT_BASE" -mindepth 1 -maxdepth 1 -type d | head -n 1)

if [ -z "$USB_TARGET" ]; then
    echo "No USB drive detected."
    exit 1
fi

DEST_DIR="$USB_TARGET/Backup_$(date +%Y-%m-%d)"

mkdir -p "$DEST_DIR"

echo "Backing up Downloads to $DEST_DIR"

rsync -av --progress "$SOURCE_DIR/" "$DEST_DIR/"

echo "Backup complete."
```

```
Which folder on the USB drive is located using USB_TARGET=$(find "$USB_MOUNT_BASE" -mindepth 1 -maxdepth 1 -type d | head -n 1)
```

It selects:

The first directory one level inside `$USB_MOUNT_BASE`.

More precisely:

</> Bash



```
USB_TARGET=$(find "$USB_MOUNT_BASE" -mindepth 1 -maxdepth 1 -type d | head -n 1)
```

means:

- Look inside `$USB_MOUNT_BASE`
- Do **not** include `$USB_MOUNT_BASE` itself (`-mindepth 1`)
- Only look one level down (`-maxdepth 1`)
- Only return directories (`-type d`)
- Take the **first result only** (`head -n 1`)

Share

Windows performance metrics

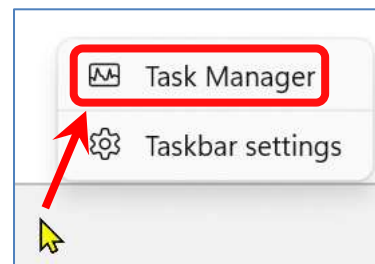
- When Windows bogs down
- One or more resources being depleted
 - memory, CPU usage, disk activity, etc.
- Track down which processes are depleting resources
 - key to fixing the issue
- Windows provides **Task Manager**

Share

Task Manager

- press **Ctrl-Shift-Esc** or

- right-click empty space on Taskbar
 - choose **Task Manager** from pop-up



Sort by any column

- click header
- CPU** no problem

Memory may be a problem

- using 80%

Name	Publisher	CPU	Memory	Disk	Network	GPU
ON1 Photo RAW MAX	ON1, Inc.	4.3%	7,994.4 MB	54.3 MB/s	0.1 Mbps	0.1%
WMI Provider Host	Microsoft Corporation	3.6%	3,211 MB	0 MB/s	0 Mbps	0%
Service Host: Windows Management	Microsoft Corporation	2.3%	24.3 MB	0 MB/s	0 Mbps	0%
Malwarebytes Service	Malwarebytes	0.4%	7 MB	0 MB/s	0 Mbps	0%
GlassWire Control Service (32 bit)	GlassWire	0.2%	97.5 MB	0.1 MB/s	0 Mbps	0%
Google Chrome (32)		0.2%	2,532.7 MB	0.1 MB/s	0.1 Mbps	0.1%
Task Manager	Microsoft Corporation	0.2%	97.2 MB	0.1 MB/s	0 Mbps	0%

- ON1 Photo RAW** using 8GB

Task Manager lets you see what processes are depleting resources

Share

Resource usage visibility

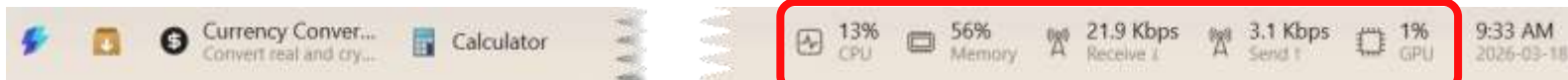
- Bit of a pain
 - you feel Windows is sluggish
 - must load Task Manager to see *if* there's resource depletion
- **What if you could see resource usage at a glance?**
 - without loading Task Manager
- Last week https://opcug.ca/qa_recordings/20260325_PowerPoint.pdf
 - **AppControl**: very nice resource monitor
 - but not always visible – **can't see resource usage at a glance**
 - **TrafficMonitor**: can configure so always visible on Taskbar



Share

Microsoft PowerToys Command Palette Dock

- New option to dock PowerToys *Command Palette*
 - top, bottom, left, or right of screen
- **Performance monitor** Command Palette extension
 - enabled by default when docking Command Palette

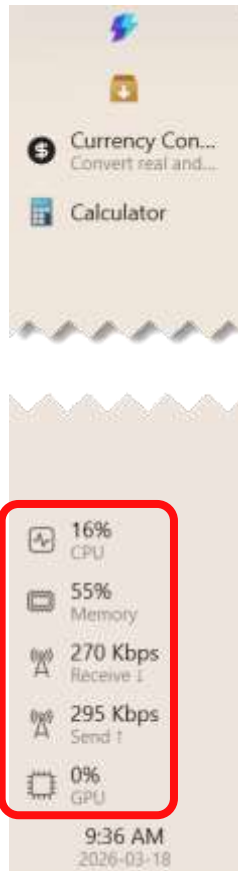


Command Palette

- docked to top or bottom of screen

Download Microsoft PowerToys from

- Microsoft Store
- GitHub
 - <https://github.com/microsoft/PowerToys/releases>



Command Palette

- docked to left or right of screen

Share

Command Palette Dock Advantages

- Already installed if you use Microsoft PowerToys
- Can be docked at top, bottom, left, or right
- Many third-party extensions can be pinned to Dock
 - currency conversion, unit conversion, create QR codes, weather, text translation, change case, switch power modes...

The screenshot shows the Windows Command Palette Dock at the top of the screen. It contains several pinned extensions: 'Currency Converter' (with a dollar sign icon), 'Calculator', and 'Change Case' (with an 'Aa' icon). To the right of these are system tray icons for CPU (9%), Memory (65%), Network (0.0 Kbps Receive and Send), and GPU (0%). The system clock shows 1:39 PM on 2026-03-26. Below the dock, a 'Currency Converter' window is open, showing a search for '214.87' and a list of conversion results: '214.87 CAD = 155.39 USD', '214.87 CAD = 134.42 EUR', '214.87 CAD = 116.37 GBP', '214.87 USD = 297.11 CAD', '214.87 EUR = 343.46 CAD', and '214.87 GBP = 396.75 CAD'. Three red callout boxes provide additional information: one points to the docked extensions, another points to the system tray, and a third points to the open currency converter window.

Added **Currency Conversion** extension

- type in numeric value & converts
 - from CAD to USD, EUR, and GBP
 - from USD , EUR, and GBP to CAD

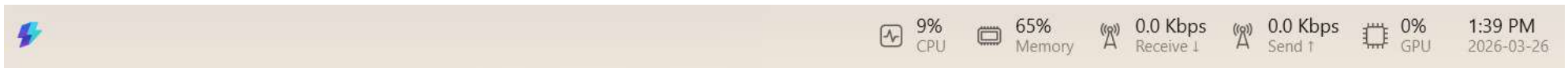
Besides giving me resource info

I pinned other extensions to Command Palette Dock

Share

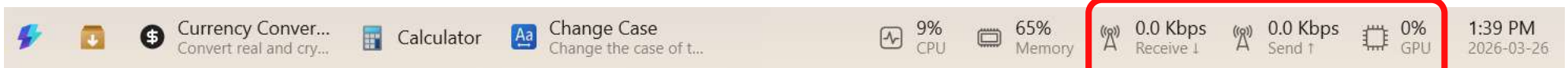
Command Palette Dock Disadvantages

- Uses quite a bit of real estate if you only use for resource monitoring



- *Performance Monitor* extension not configurable
 - all or nothing
 - monitors network traffic
 - from a performance point-of-view is rarely of interest

I don't really care about these



Share

Windows Performance Tune-up

- Two-hour presentation
 - periodically given at Ottawa Public Library
 - cover resource monitoring and much more
- None currently scheduled
 - not likely until at least September
- Check at
 - <https://opcug.ca/mec-category/opl-presentations/>



GitHub

- Can you talk more about GitHub?
- I hear a lots of people reference it, but don't really know what this is





Git and GitHub

- Git is a version control system
- Used primarily for software development by teams of programmers
- Created by Linus Torvalds in April 2005
- Used extensively to manage the Linux source code
- Distributed system where each developer has a full copy of the repository
- Changes are “committed” and merged into the master stream
- GitHub is the online repository where the master copy is maintained and updated

Local Version of Git

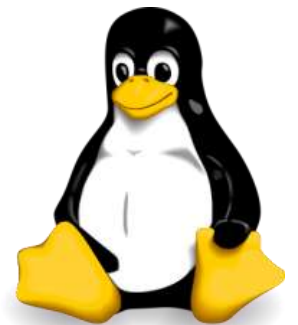
- Install git on a local computer
- The *git init* command establishes a hidden folder (.git) which serves as the local repository
- *git add* tags files for inclusion in a commit
- *git commit -m {message text}* stores a snapshot of the work to date with an explanatory comment
- *git status*, *git diff*, and *git log* are used to monitor progress and track changes
- *git checkout* is used to revert to a previous commit
- Branching and merging allow for parallel operations (e.g. experimental new feature)

Distributed Version of Git

- Programmer uses git locally
- *git config* sets the identity (username and E-mail)
- *git add/commit* used for the local work stream
- *git push* transfers the locally-committed files to the main work stream in the remote repository
- The benevolent-dictator reviews the commits and merges acceptable versions into the main work stream
- *git pull* can be used by the local programmer to obtain a current copy of the online repository
- Multiple copies means there is no single point of failure

Other Usage

- Git isn't only for software development
- Any project that uses multiple version of files can employ git
- Chris and I are writing a newsletter article on Linux distros
- I have written the introduction and will develop a section on Debian-based distros
- In parallel, Chris (a well-known Linux fan) will develop a section on Arch-based distros
- Finally, I will write a paragraph with some conclusions

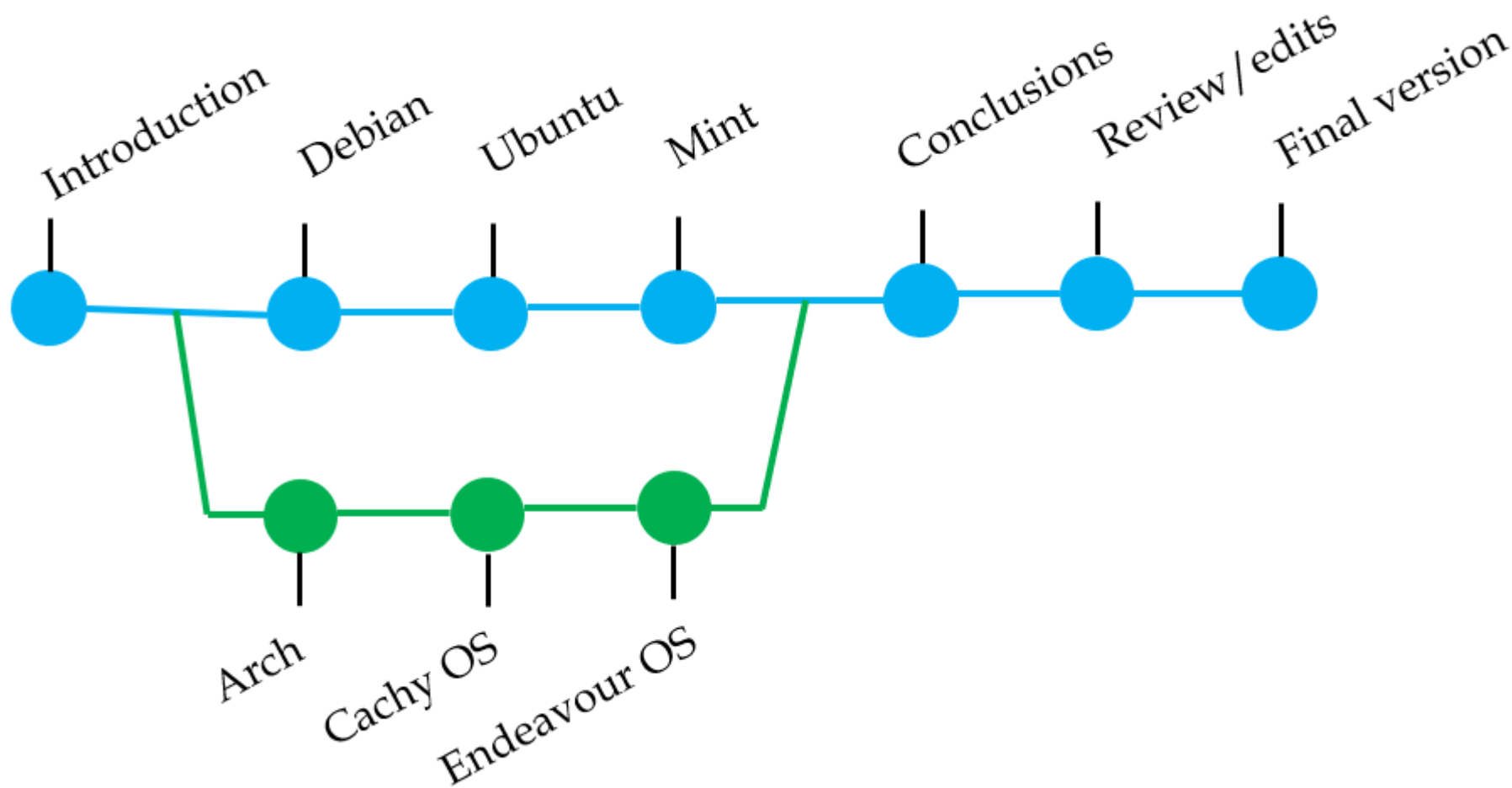


Other Usage

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But - then again today is...





GitHub also serves as a software distribution point

The screenshot shows the GitHub interface for the 'Releases' section of the 'microsoft/PowerToys' repository. The page displays the latest release, 'v0.98.1', which was published 18 hours ago by user 'zateutsch'. The release includes a table of 'Installer Hashes' with columns for 'Description', 'Filename', and 'sha256 hash'. The filename 'PowerToysUserSetup-0.98.1-x64.exe' is highlighted with a red box.

18 hours ago
zateutsch
v0.98.1
df23546 ✓
Compare ▾

Release v0.98.1 Latest

Installer Hashes

Description	Filename	sha256 hash
Per user - x64	PowerToysUserSetup-0.98.1-x64.exe	43B25C7927D43B9B8AE0B4B7116A7A4FFCA66FAE031BCF4B3
Per user - ARM64	PowerToysUserSetup-0.98.1-arm64.exe	E52788F0B199433A56B0CEA5DDA3611DA2F9D0AF123E2E90I

00 100% 10:39 AM



YouTubeTech

Learn Git In 15 Minutes



Learn Git In 15 Minutes



Colt Steele

283K subscribers

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👍 52K



➦ Share

<https://www.youtube.com/watch?v=USjZcfj8yxE>



YouTubeTech

Git and GitHub Tutorial for Beginners



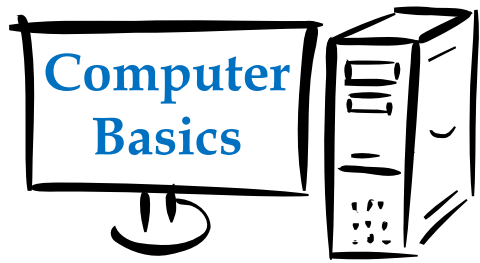
Git and GitHub Tutorial for Beginners



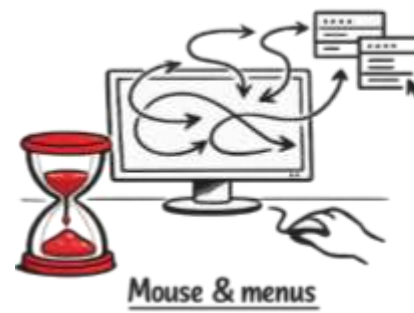
Kevin Stratvert ✓
4.19M subscribers

Subscribe

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



Keyboard shortcuts #7



- **Select** text from current cursor position to:

previous character



next character



previous word



next word



previous paragraph



next paragraph

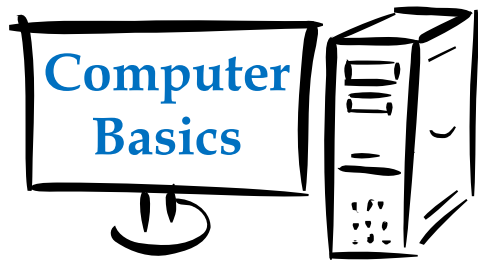


start of document



end of document



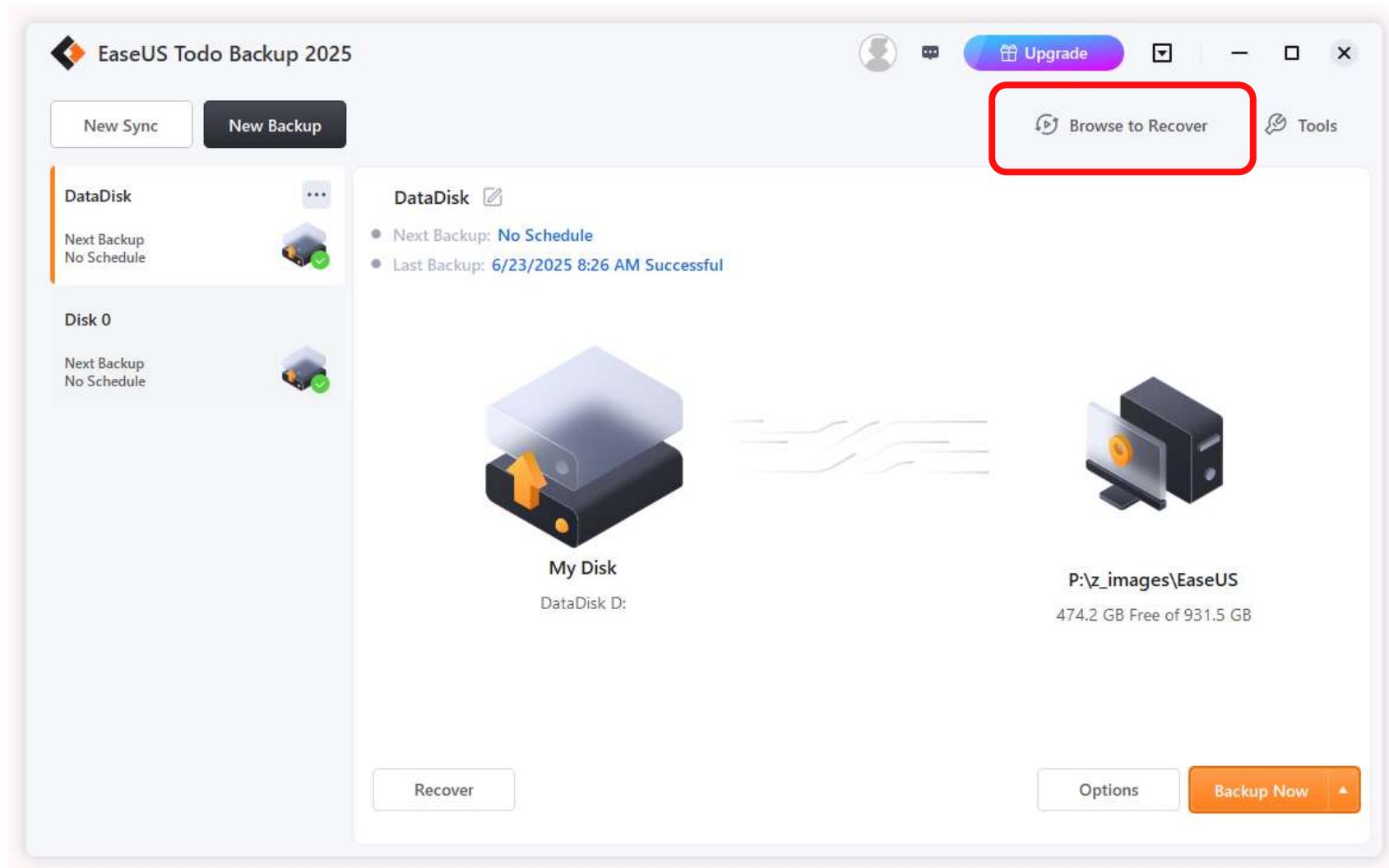


Disk Image Backup and Recovery - Part 2

- ✓ • Full-disk backup image
- Disk image recovery
- Bootable rescue disk
- File/folder recovery
- Disk image testing



Restore



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.

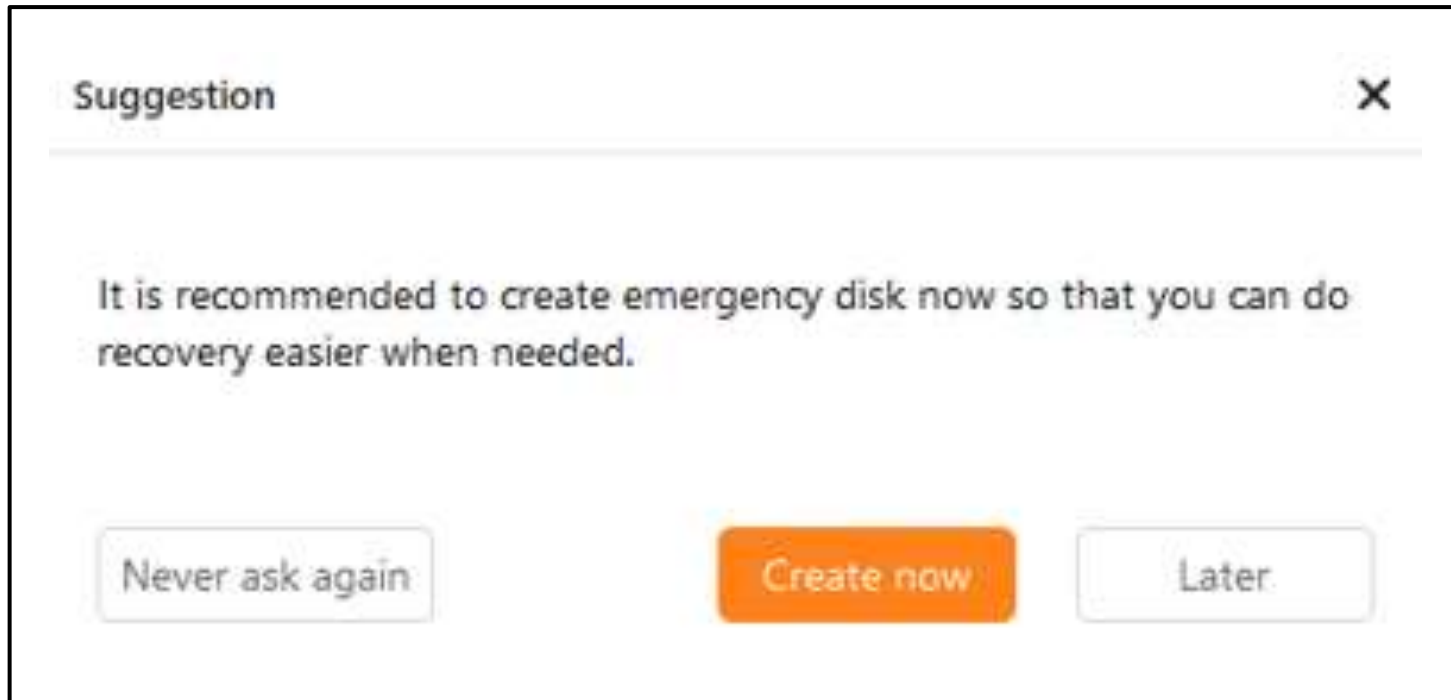
Alternatively, you may reboot into WinPE to continue to recover.

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!

Did you ignore this suggestion?



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** (highlighted with a red box)
- Mount Backup
- Logs
- Import/Export Task
- Security Zone
- Backup Protection
- Refresh Disk

P:_Images\EaseUS

Recover

Options

Backup Now



Upgrade



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

Add...

Create

Cancel

Recover

Options

Backup Now

New Sync

Create Emergency Disk

DataDisk
Next Backup
No Schedule

Disk 0
Next Backup
No Schedule

Boot disk location

ISO USB CD

1 (SanDisk Cruzer, E:)

Add Driver |

Create

Cancel

Recover

Options

Backup Now

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

Create Now

Cancel

Create

Cancel

Recover

Options

Backup Now



Upgrade



New Sync

Create Emergency Disk



DataDisk
Next Backup
No Schedule

Disk 0
Next Backup
No Schedule

Estimated time remaining: 00:02:16

Elapsed time: 00:01:00



Creating WinPE ISO...

Stop

Recover

Options

Backup Now



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

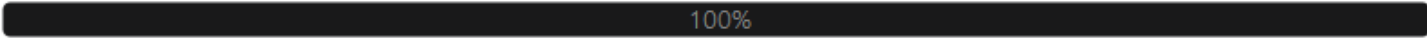
Next Backup
No Schedule

Disk 0

Next Backup
No Schedule

Estimated time remaining: 00:00:00

Elapsed time: 00:06:58



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

Finish

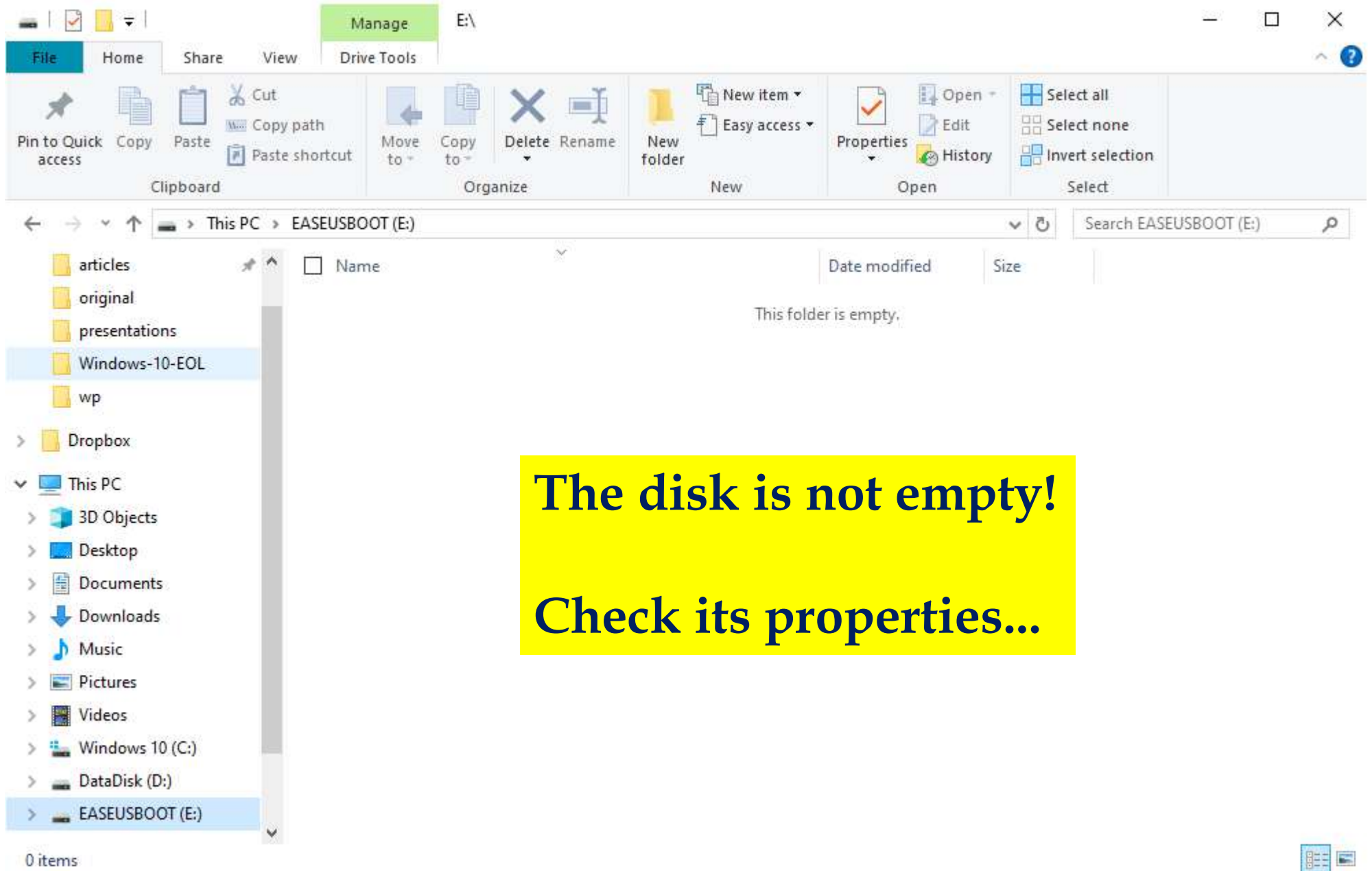
Recover

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 pane 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. The status bar at the bottom indicates '0 items'.

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 pane 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. The status bar at the bottom indicates '0 items'.



The disk is not empty!
Check its properties...

File Explorer window showing the EASEUSBOOT (E:) drive. The ribbon includes File, Home, Share, View, and Drive Tools. The left sidebar shows the navigation pane with 'EASEUSBOOT (E:)' selected. The main area displays 'This folder is empty.' A 'Properties' dialog box is open for 'EASEUSBOOT (E:)', showing the following details:

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:

Buttons: OK, Cancel, Apply

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

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 [X]

\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

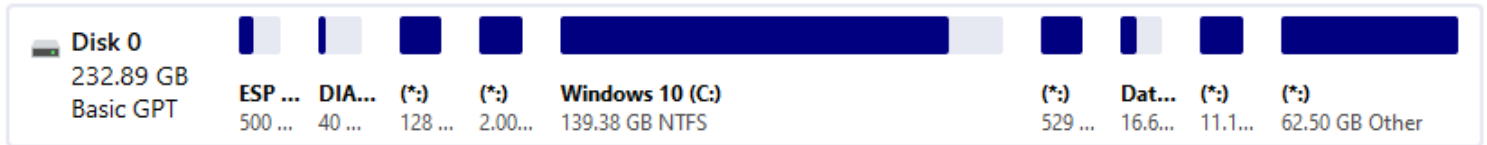
Next

New Sync New Backup

Browse to Recover Tools

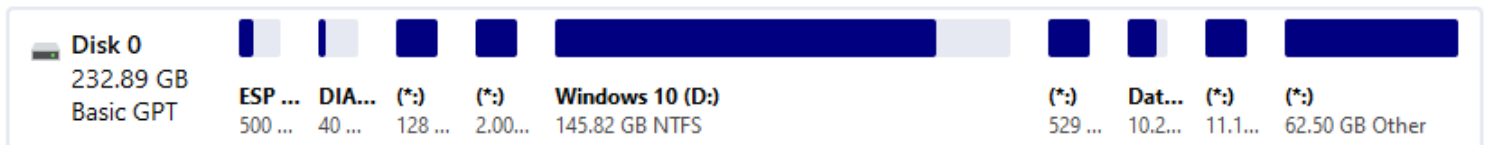
- Disk 0_20250620_Full_v1
- Recovery
- DataDisk
- Next Backup No Schedule
- Disk 0
- Next Backup No Schedule

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





**Any other:
Questions
Comments
Shares?**

Share

Your idea for a share goes here!

A newspaper clipping with a red circular stamp and a white text box. The stamp contains the text "HELP WANTED" and "IMMEDIATE-". The text box contains the text "We want YOU to share details of the latest piece of high-tech kit, tell us about the program that you just can't live without, or simply discuss the 'best' way to accomplish a task".

HELP WANTED

We want **YOU** to share details of the latest piece of high-tech kit, tell us about the program that you just can't live without, or simply discuss the "best" way to accomplish a task

IMMEDIATE-



OPCUG PRESENTATIONS AT THE OTTAWA PUBLIC LIBRARY

The Ins and Outs of Electronic Mail

Chris Taylor

Main, Saturday Apr 4, 2026 at 11:00am

AI - Fun and Useful Tips

Chris Taylor

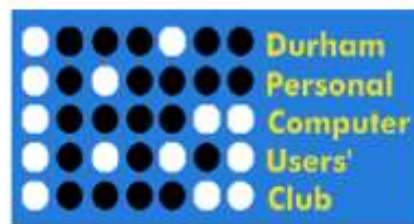
Stittsville, Sunday Apr 12, 2026 at 1:00pm

Windows 10 Reaches End of Life - Again!

Alan German

Online (Zoom), Thursday, April 23, 2026 at 2:00pm

<https://booking.biblioottawalibrary.ca/en/program?text=ottawa+pc>



Meeting Date

Apr 09, 2026

We meet the 2nd Thursday of each Month - Online via Zoom - at 7:00 PM Eastern Time.
To participate in this tele-conference meeting, you must load the latest zoom software on your device.
The meeting account is being supplied by APCUG an umbrella organization to which our club is a member.

Artificial Intelligence (AI): fun and useful tips

Presented by Chris Taylor

Artificial Intelligence (AI) tools have exploded over the last few years.

They can: supercharge your web searches & help you find the most relevant information; generate images & videos from text prompts; summarize web pages, YouTube videos, & PDF files; help you accomplish tasks in your programs; assist with creative writing; and more.

[Chris Taylor](#) from the **Ottawa PC Users' Group** will show you how easily it can be done and how to avoid dreaded "AI hallucinations". And you can do it all (well, most) for free.

The Club's General Meetings are held the 2nd Thursday of each month - **Online via Zoom** - at 7:00 PM Eastern Time.
Everyone is welcome to attend.

<https://us02web.zoom.us/j/83492096183?pwd=Q3phQnBxR1hIUe9ZWWsrQjITSmQzUT09>

April Meeting



Restoring Old Photos

Lynda Buske
Ottawa PC User's Group

April 8, 2026
7:30 pm





No Q&A on
April 8
(Monthly Meeting)



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

SuggestionBox@opcug.ca