



Alan German & Chris Taylor
Ottawa PC Users' Group

April 22, 2026

OPCUG



**A part of history
&
you were here!**

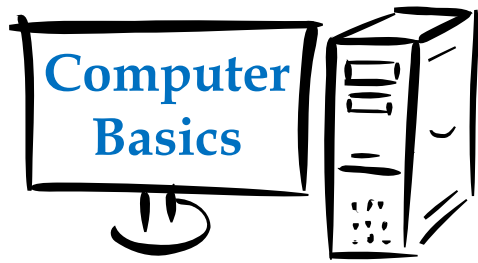
TONIGHT - APRIL 22ND 2026

**WE PASSED 10,000 PARTICIPANTS
IN Q+A SESSIONS HOSTED ON ZOOM**

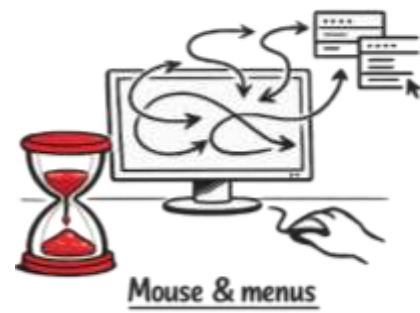
We've been hosting weekly Q&A
sessions on Zoom

for 6 years

(we began April 29 2020)



Keyboard shortcuts #9



- Quickly move the text insertion cursor by paragraph

Start of next paragraph



Start of previous paragraph





File Recovery



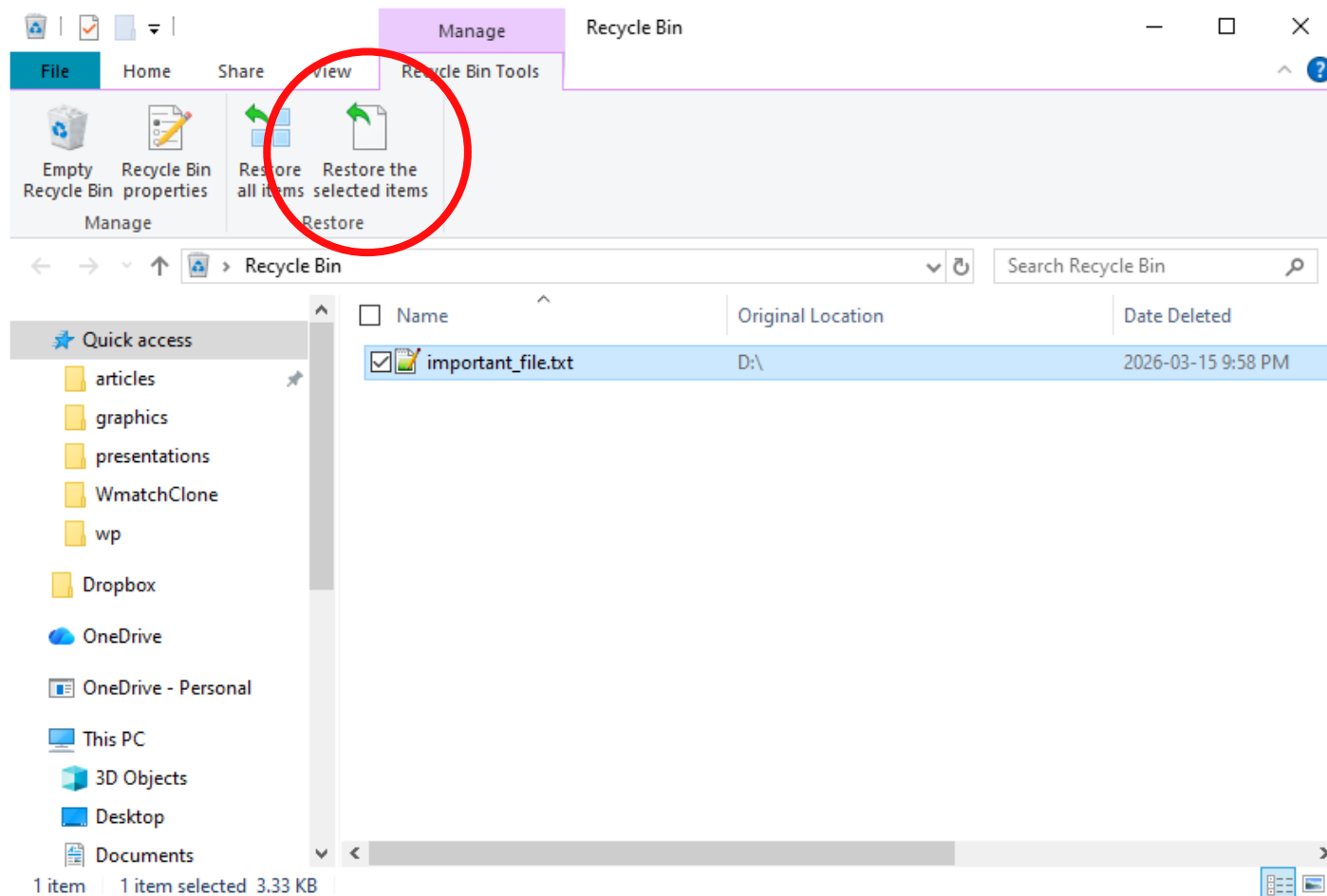
- How to recover files if accidentally deleted?





Simplest...

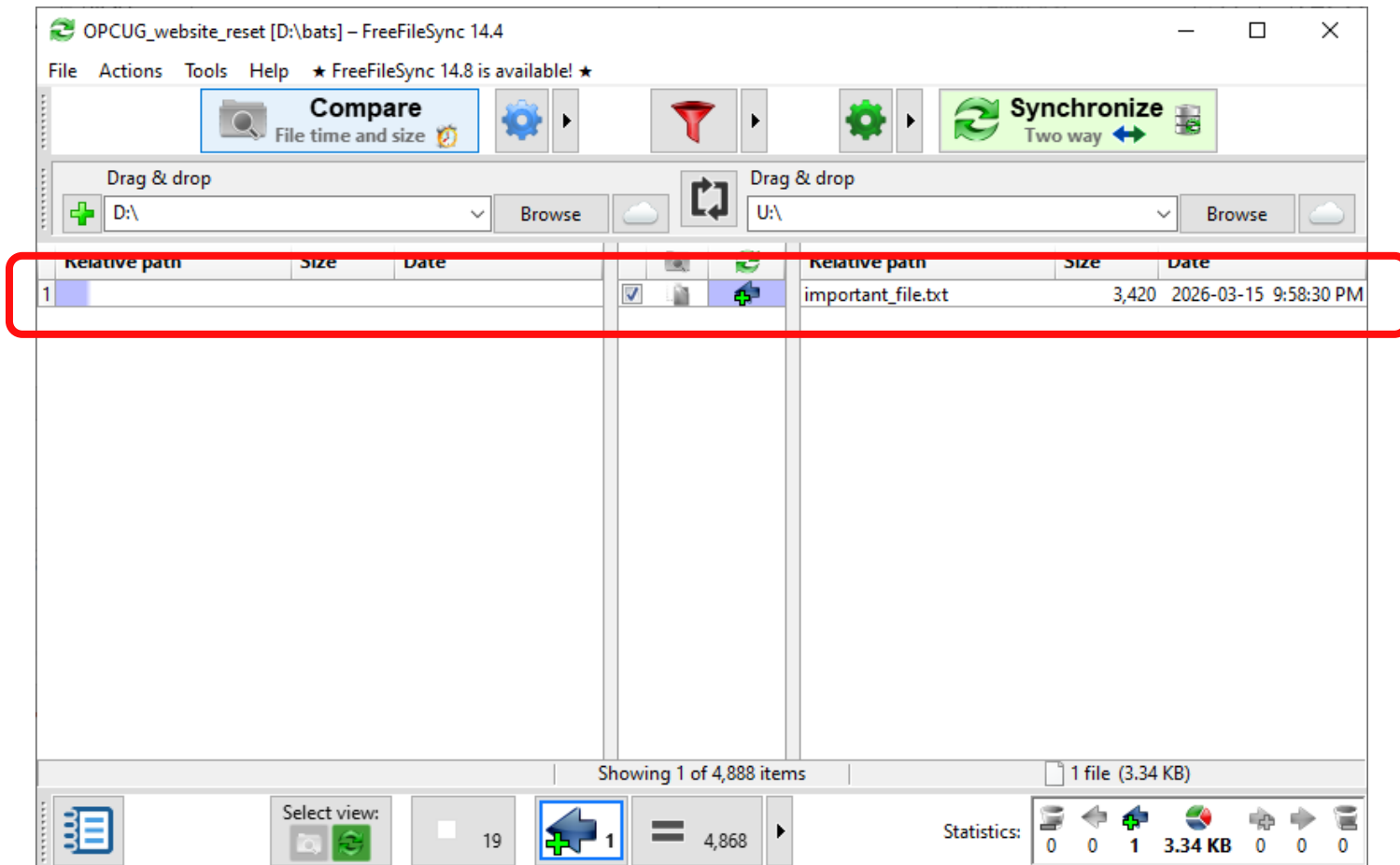
Restore it from the Recycle Bin





Also easy...

Restore it from a backup (FreeFileSync)





Also easy...

Restore it from a backup (EaseUS Todo Backup)

The screenshot shows the EaseUS Todo Backup 2026 interface. The left sidebar has a red box around 'SSDandD-exceptions' and 'Recovery'. A red arrow points from this box to the 'File mode' button in the 'Disk/Partition' section. Another red arrow points from 'File mode' to the 'Documents' folder in the file tree. A third red arrow points from 'Documents' to the 'Macrotest.docx' file in the list, which has a checkmark. A fourth red arrow points from the 'Recover to original location' radio button to the 'Proceed' button at the bottom right.

Name	Size	Type	Date Modified
M2009-09.doc	100 KB	Microsoft Word 9...	2009-10-20 11:18 PM
Macro.ppt	694 KB	Microsoft PowerP...	2011-10-09 9:45 AM
Macrotest.docx	12 KB	Microsoft Word ...	2018-06-28 5:54 PM
MAff_labs_threat_pre...	958 KB	Foxit PDF Reader...	2010-01-14 8:47 AM
Make a Payment Ste...	64 KB	Foxit PDF Reader...	2022-02-07 3:50 PM



Some Other Options

- Use File History > Previous Versions
- Use Windows File Recovery (from the Microsoft Store)
- Try third-party tools that scan the disk for recoverable files, for example:

Recuva

<https://www.ccleaner.com/recuva>

Disk Drill

<https://www.cleverfiles.com/lp/data-recovery-software.html>



File Management



- How to clean my computer
- I am about to buy a new computer.
What is the best way to clean up my old computer. It is a mess and mass of data/information/programs.
- Managing my digital footprint specifically, files, images, passwords, backups, software (purchased and free)



Clean-up Methods

- Disk cleanup

https://opcug.ca/qa_recordings/20250115_PowerPoint.pdf

- Share - Disk cleanup – Part 2

https://opcug.ca/qa_recordings/20250129_PowerPoint.pdf

[Share](#) **Clean-up methods**

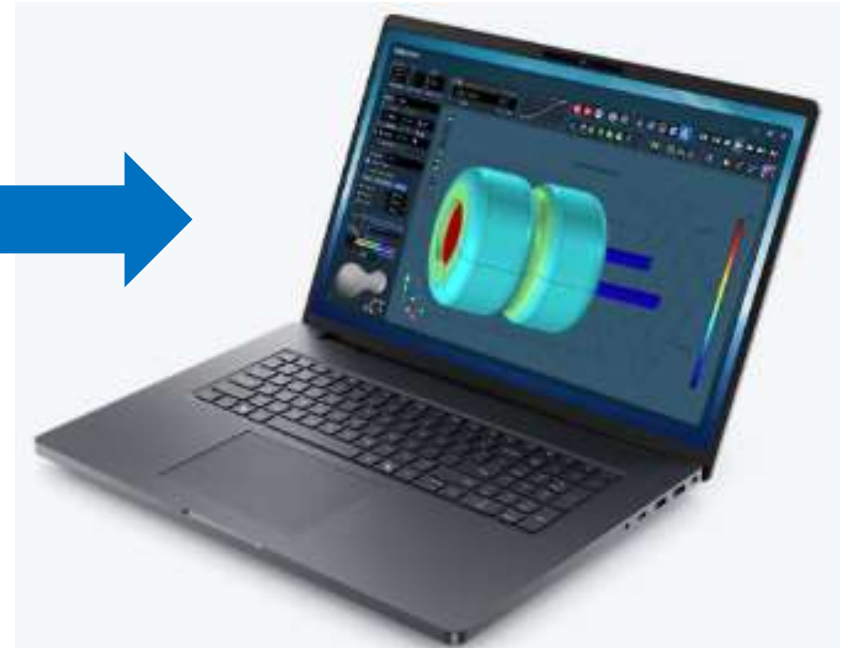
- Storage/Storage Sense
- Disk Cleanup
- Uninstall unused programs
- Move large files to other drives/partitions
- Disable hibernation
- Use WinDatStat or TreeSize to analyze data storage
- CCleaner
- Upgrade storage



Transferring data



- I am about to buy a new computer
- What is the best way to transfer data/information/programs to my new computer?





Reinstall programs, then...

- How Do I Transfer My Programs and Data to a New Machine? (Ask Leo)
https://www.youtube.com/watch?v=9_rgsY86jO8&
- Transferring all files to a new Windows 11 device
 - EaseUS Todo PCTrans
 - FastMove
 - Laplink PCmover



https://opcug.ca/qa_recordings/20250416_PowerPoint.pdf



Signing PDF Files



- There are several options for signing a PDF file
- Options range from simple image-based electronic signatures to cryptographically secure digital signatures
- Levels of security, legal weight, and setup complexity vary widely
- Different tools and processes are required to ensure authenticity and to prevent tampering
- Does anyone have experience with signing PDF files?



Genius Sign

The screenshot shows the Genius Sign website interface. At the top left is the logo, which consists of a stylized orange 'G' followed by the text 'GENIUS SIGN by The Grizzly Labs'. To the right of the logo are navigation links: 'Apps', 'Enterprise & SDK', 'Blog', 'Support', and 'About'. The main heading is 'Sign and annotate anything, anywhere.' Below this is a sub-headline: 'How many times have you had to print, sign, date, scan and send back a document? Not anymore!'. In the center, there is a smartphone displaying a document with a signature. To the right of the phone is a large orange button that says 'Get Genius Sign' and a smaller link for 'Pricing'.

<https://thegrizzlylabs.com/genius-sign>

Stewart Bruce

Features

- iOS only
- Draw your signature on the screen with your finger, or scan your actual signature from paper
- Import PDF, Word or image documents
- Annotate documents, add the date or text in a couple taps
- Customize the size and the color
- Export by email or to other apps





Sejda



All Tools ▾

Compress

Edit

Fill & Sign

Merge

Pricing

Desktop

Log in



We help with your PDF tasks

Easy, pleasant and productive PDF editor

Edit a PDF document - it's free >

or choose one of our 30+ PDF tools ▾

<https://www.sejda.com/>

MOST POPULAR

PDF Editor

Edit PDF files for free. Fill & sign PDF. Add text, links, images and shapes. Edit existing PDF text. Annotate PDF

Compress

Reduce the size of your PDF

Delete Pages

Remove pages from a PDF document

Merge

Combine multiple PDFs and images into one

Split

Split specific page ranges or extract every page into a separate document

Crop

Trim PDF margins, change PDF page size

Fill & Sign

Add signature to PDF. Fill out PDF forms

PDF To Word

Convert from PDF to DOC online

Extract Pages

Get a new document containing only the desired pages

How To Sign PDF

Below we show how to add your signature to a PDF document

1. Select your PDF document

Click on 'Upload' to choose a file.

2. Create a signature

Click 'Sign' and then 'Add Signature' to create a new signature.



There are 3 methods to create a signature:

1. Type your name
2. Draw your signature using your mouse or trackpad
3. Upload an image with your signature



3D Printers



What one thing would you like to know more about relating to computers?



3D Printers

Share

NextDNS

- DNS: Domain Name Service
 - the phone book of the Internet
- Your computer doesn't connect to CBC.CA
- It connects to an Internet Protocol (IP) address

```
Command Prompt
Microsoft Windows [Version 10.0.26200.7623]
(c) Microsoft Corporation. All rights reserved.

C:\Users\CTaylor>nslookup cbc.ca
Server: UnKnown
Address: 2a07:a8c0::86:4a8f

Non-authoritative answer:
Name: cbc.ca
Address: 23.62.119.12

C:\Users\CTaylor>
```

Humans can use **nslookup** to find IP address

IP address for **CBC.CA** is **23.62.119.12**

Share

DNS-based security

- What if...
 - rather than a DNS server returning the IP address for all requested domain names
 - it could try to determine if the destination is “safe”
- Rather than use ISP-supplied DNS server
 - point to a replacement DNS server designed to:
 - if destination is deemed “safe”, return the IP address
 - if destination is deemed “unsafe”, send IP address of a server saying “site is blocked”

Share

Examples

- CIRA's Canadian Shield
 - <https://www.cira.ca/en/canadian-shield/>
 - blocks access to
 - malware, phishing, botnet and scams, or
 - above plus sexual content
- Quad9
 - <https://quad9.net/>
 - blocks access wide range of threats such as malware, phishing, spyware, and botnets
- OpenDNS Home / OpenDNS FamilyShield
 - <https://www.opendns.com/home-internet-security/>
 - over 50 categories of blocking

Share

What do they block?

- I am sure they block access to *known malicious sites*
- But do they;
 - block sites behaving suspiciously?
 - use AI training to identify new threats?
 - prevent your computer from being used in cryptojacking?
 - block domains that disguise themselves by (e.g.)
 - replacing the Latin letter *e* with the Cyrillic letter *е*
 - block sites that take advantage of typos (e.g.)
 - google.com vs. google.com
 - block new sites
 - Google says *average malicious site exists for less than 10 minutes*
 - block user-designated Top-Level Domains (TLDs)
 - maybe I would like to be prevented from going to any address in Russia (.ru), China (.cn), Kazakhstan (.kz), ...
 - block trackers & ads

Share

NextDNS

- Can do all that and more
- <https://nextdns.io/>
 - *the new firewall for the modern Internet*
 - *protects you from all kinds of security threats, blocks ads and trackers on websites and in apps and provides a safe and supervised Internet for kids – on all devices and on all networks*
- Sounds impressive...and it is!
- Is it for everyone? ...maybe not

Share

Setup tab

- Create a free account
 - 300,000 DNS queries per month, unlimited devices, unlimited configurations, full feature access, community support
 - Pro plan: US\$1.99/month or US\$19.90/year, unlimited queries, devices, & configurations, full features, community support
- Link it to your IP address
 - to save settings
 - all configuration is done through NextDNS web site
 - can deal with changing IP address

Share

Security tab

- 13 different categories of potential threats to choose from
 - Threat Intelligence Feeds
 - AI-Driven Threat Detection (beta)
 - Google Safe Browsing (does not allow bypassing block)
 - Cryptojacking Protection
 - DNS Rebinding Protection
 - IDN Homograph Attacks Protection
 - Typosquatting Protection
 - Domain Generation Algorithms (DGAs) Protection
 - Block Newly Registered Domains (NRDs)
 - registered less than 30 days ago
 - Block Dynamic DNS Hostnames (beta)
 - Block Parked Domains
 - Block Top-Level Domains (TLDs) (user-entered)
 - Block Child Sexual Abuse Material
 - list from the Canadian Centre for Child Protection

Share

Privacy tab

Remember this name!

- 83 different 3rd party block lists, from general to very specific
 - **NextDNS Ads & Trackers Blocklist**
comprehensive blocklist to block ads & trackers in all countries. **This is the recommended starter blocklist** • 80,244 entries • updated 2 days ago
 - **1Hosts (Xtra)**
Safeguard your devices against pesky ads, trackers, and malware
github.com/badmojr/1Hosts • **926,068 entries** • **updated 18 hours ago**
 - **EasyList Hebrew**
removes adverts on Hebrew language websites
github.com/easylist/EasyListHebrew • 136 entries • updated 3 days ago
 - **No Facebook**
block Facebook and services it owns (WhatsApp, Instagram)
github.com/jmdugan/blocklists • 2,117 entries • **updated a year ago**
 - **No Google**
block Google and its services
github.com/nickspaargaren/no-google • 1,069 entries • updated 20 days ago
 - **Energized Spark**
Lightweight, essential protection
energized.pro • **0 entries** • updated a month ago
 - **Disconnect (Ads)**
Free yourself from unwanted tracking. Enjoy a faster, safer internet
disconnect.me • 2 701 entries • **updated 6 years ago**

Share

Privacy tab (cont)



- Native Tracking Protection (beta)
 - **Block wide spectrum trackers** – often operating at the operating system level – **that track your activity on a device.** This could include all the websites you visit, everything you type or your location at all times
 - Windows: all versions
 - Apple: iOS, macOS, tvOS
 - Samsung: phones, tablets, smart TVs
 - Xiaomi: phones & tablets, Smart TVs, routers
 - Huawei: phones & tablets
 - Amazon Alexa: Alexa-enabled devices
 - Roku: all Roku devices
 - Sonos: speakers

Share

Parental controls

- Websites, Apps & Games
 - restrict access to specific websites, apps and games
- Categories
 - porn, gambling, dating, piracy, social networks, online gaming, & video streaming
- Recreation Time
 - set periods during which some of the websites, apps, games or categories above will not be blocked
 - e.g. allow Facebook on Mondays and Tuesdays between 6pm and 8pm
- SafeSearch
 - filter explicit results on all major search engines. Will block access to search engines not supporting this feature
- YouTube Restricted Mode
 - Filter out mature videos on YouTube & block embedded mature videos from being watched on other websites. Also hides all comments
- Block Bypass Methods
 - prevent methods that bypass NextDNS filtering. *Includes VPNs, proxies, Tor-related software and encrypted DNS providers*

Share

Allowlist/blocklist


- Over-ride all other rules

NextDNS My First Profile chris.taylor@opcug.ca

Setup Security Privacy Parental Control Denylist **Allowlist** Analytics Logs Settings

ⓘ Allowing a domain will automatically allow all its subdomains. Allowing takes precedence over everything else, including security features.

Add a domain...

 *.microsoft.com ⓘ ×

Why did I whitelist *.microsoft.com?
• *stay tuned*

Share

Analytics tab

- Fascinating details
 - number of queries, blocked queries, & percentage blocked
 - choose last 30 minutes through last 3 months
 - top 6 resolved & blocked domains with counts
 - top 6 blocked reasons: why did NextDNS block them
 - GAFAM: percentage of destinations that were Google, Amazon, Facebook, Apple or Microsoft
 - map of the world showing location of queries with counts
 - ...a few other things

Share

Logs tab

- lists every DNS query
 - allowed
 - blocked
 - along with what part of NextDNS blocked it
 - great for trouble-shooting

Share

So everything is perfect?

- Not so much
- Any time you allow someone else to block access to something
 - mistakes can happen
- The more you protect yourself
 - the more likely something you want to access will be blocked
- I thought I was pretty good at this
- And then...

Share

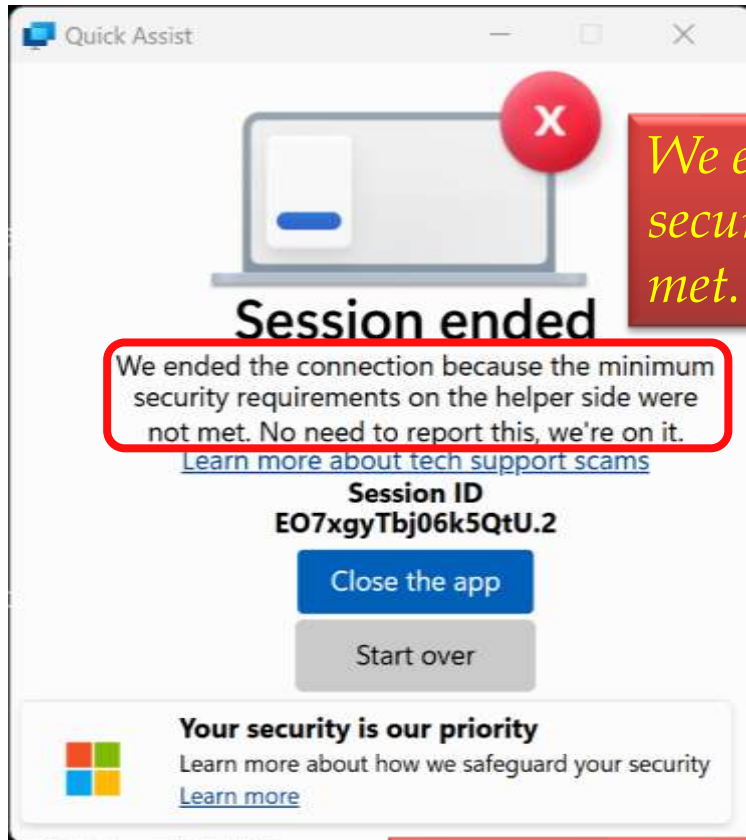
Microsoft Quick Assist

- Utility to help a remote person
 - *helper* can see other computer screen& (optionally) control remote mouse and keyboard
 - OPCUG's *One-on-one Remote Assistance* program uses it
- I went to use Quick Assist with Lynda so I could see something on her computer

Share

Microsoft Quick Assist fails

Lynda got the following pop-up



We ended the connection because the minimum security requirements on the helper side were not met. No need to report this, we're on it.

What they should have said

We ended the connection because the helper's computer was blocked by from connecting to one of our servers. Have them check their firewall settings to make sure they are not blocking parts of microsoft.com

Share

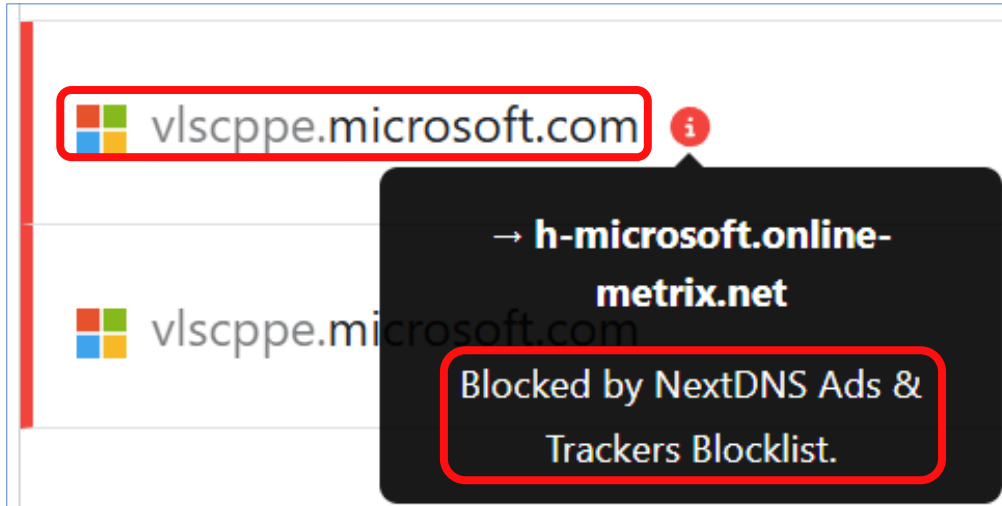
What caused the failure?

- I might have believed the dialogue box that said:
 - *No need to report this, we're on it*
- ...& guessed there was a temp failure at Microsoft end
- ...recalled started using NextDNS a week earlier
 - I wonder...
 - what do the logs say?



Share

NextDNS logs tab



Right at the time Lynda got the pop-up

- vlscppe.microsoft.com was blocked by NextDNS
- reason for block:
- **NextDNS Ads & Tackers Blocklist**

Didn't want to turn off that entire feature

- blocklist not specifically blocking all of Microsoft
 - presume it is helping with other domains
- decided to add ***.microsoft.com** to Allowlist

Microsoft Quick Assist immediately worked normally

Share

Do I need to worry?

gateway.grammarly.com	174.116.100.115	10 minutes ago
accounts.youtube.com	174.116.100.115	10 minutes ago
forum.glasswire.com	174.116.100.115	11 minutes ago
upload2.fp.measure.office.com	174.116.100.115	11 minutes ago
upload.fp.measure.office.com		
acdc-direct.office.com		
waconatm.officeapps.live.com		
405f2bb606fa4ea497a7cf4c37c1ef0e.fp.measure.office.com	174.116.100.115	11 minutes ago
r4.res.office365.com		
substrate.office.com		11 minutes ago

Blocked by NextDNS Ads & Trackers Blocklist.

My computer was blocked from

- [fp.measure.office.com](#)

Perplexity.AI says:

- Microsoft-owned subdomain under office.com, primarily used for performance measurement and telemetry in Microsoft Office and Edge applications

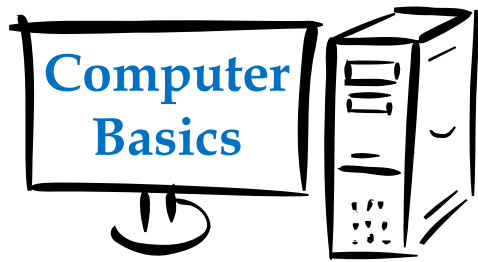
Probably not a problem

- do I want go through the logs with a fine-toothed comb checking every block?

Share

Final verdict

- NextDNS appears to be a very powerful tool for blocking ads, trackers, malicious sites, ...
- Can be very aggressive
 - might block legitimate sites & services you count on
- Even settings that appear to be the **main reasons why you choose NextDNS** can bite you
- You can work around every problem...**once you find it**
- May not have the raw blocking capability of tools such as Quad9, Canadian Shield, and OpenDNS
- **Will I keep using it?**
 - for now, yes.



Disk Image Backup and Recovery - Part 4

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



Test the Disk Image

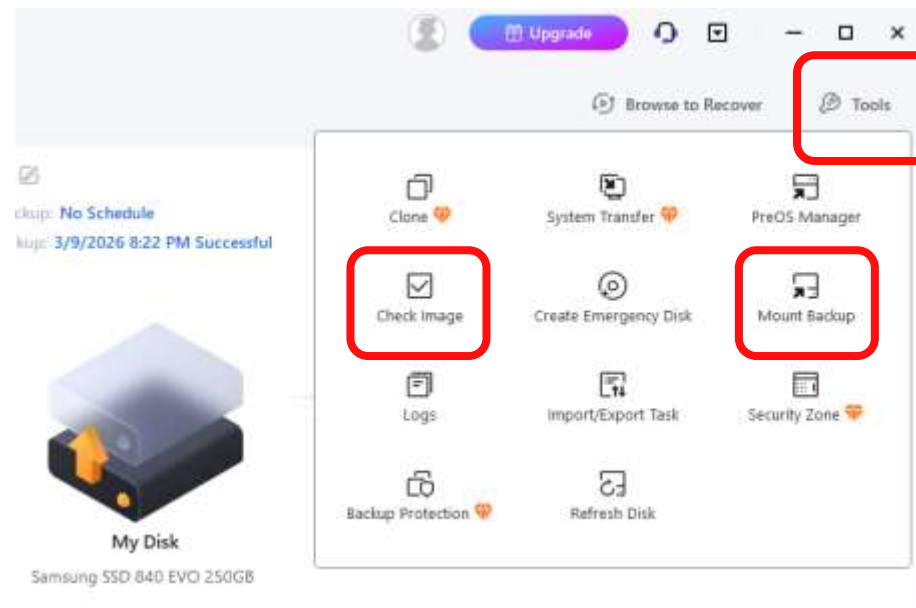
- Don't wait until a disk fails and you need to recover a backup image
- Make sure that you can access the backup image files
- No problem – blow away your perfectly-fine, working version of Windows, reformat your hard drive, and recover a disk image

Test the Disk Image

- Don't wait until a disk fails and you need to recover a backup image
- Make sure that you can access the backup image files
- No problem – blow away your perfectly-fine, working version of Windows, reformat your hard drive, and recover a disk image
- **JUST JOKING**
 - **This is not a very good idea !!!**

Testing Options

- (1) Verify the image using *Tools > Check Image* to confirm accessibility and integrity
- (2) Mount the image using *Tools > Mount Backup* as a virtual disk drive to check files and folders



- (3) Restore the image to a spare, external, USB drive



- External USB drive must be the same size or larger than the source drive for the backup image
- Use the Disk Management utility to blank the USB drive to give unallocated space
- Use the USB drive as the target for a recovery operation
- Check the files and folders in the recovered Windows partition (and any other associated partitions) on the external USB drive



Upgrade



New Sync

New Backup

Browse to Recover

Tools

- 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: 3/9/2026 8:22 PM Successful



My Disk

Samsung SSD 840 EVO 250GB



P:\z_images\EaseUS

274.7 GB Free of 931.5 GB


Recover


Options

Backup Now

New Sync

New Backup


 Browse to Recover

 Tools


Disk 0 


Recovery


Disk/Partition mode | File mode


History Version 3/9/2026 7:52 PM Full 


Hard disk 0 (232.89 GB, Basic, GPT)

 ESP *: (FAT32)
298.64 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
Recovery

Recover to:

Hard disk 0 (232.89 GB, Basic, GPT)



ESP *: (FAT32)
298.64 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)
5.80 GB Free of 139.38 GB



*: (Other)
0.00 B Free of 529.00 MB

Advanced options

Cancel

Back

Next

**Don't use Hard disk 0
Scroll down for more options**



New Sync New Backup

Browse to Recover Tools

Disk 0_20260309_Full_v1

Recovery

Disk 0

Next Backup
No Schedule

Recover to: Disk 3

- Hard disk 1 (57.95 GB, Basic, MBR, USB)
 - 20GB-NTFS S: (NTFS) 13.86 GB Free of 19.53 GB
 - E: (Other) 0.00 B Free of 38.42 GB
- Hard disk 2 (931.48 GB, Basic, MBR, USB)
 - My Passport P: (NTFS) 162.39 GB Free of 931.48 GB
 - Unallocated Capacity: 2.00 MB
- Hard disk 3 (931.48 GB, Basic, GPT, USB)
 - Unallocated Capacity: 931.48 GB

1 TB external USB drive
Unallocated disk space

Advanced options Cancel Back Next

New Sync New Backup

Browse to Recover Tools

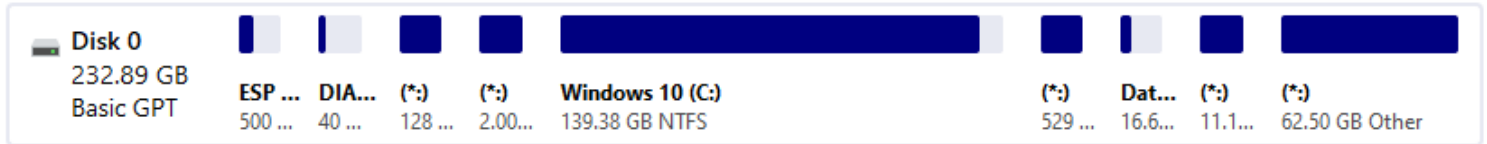
Disk 0_20260309_Full_v1

Recovery

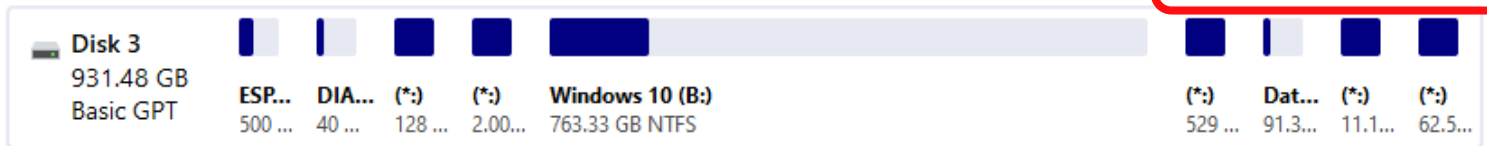
Disk 0

Next Backup
No Schedule

Source disk layout



Target disk layout after copy



Autofit the disk

Change the default to avoid Drive C: growing to use most of the free space

Recover data with EaseUS Instant Access

Cancel Back Proceed



Upgrade



New Sync

New Backup

Browse to Recover

Tools

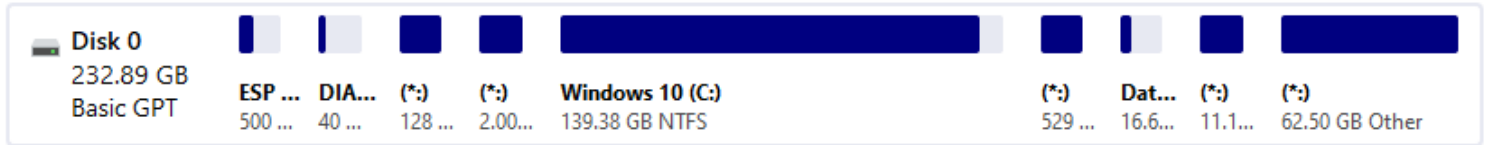
Disk 0_20260309_Full_v1

Recovery

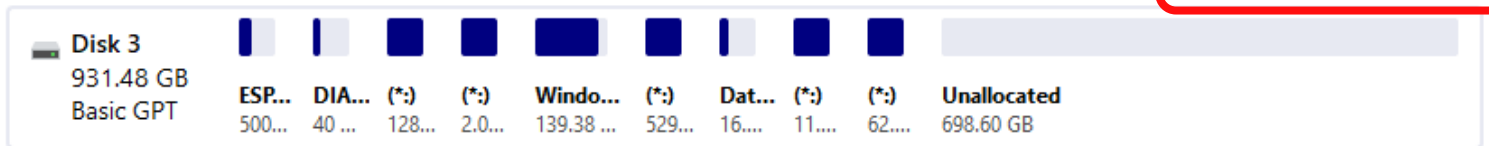
Disk 0

Next Backup
No Schedule

Source disk layout



Target disk layout after copy



Copy as the source

Recover data with EaseUS Instant Access

Cancel


Back

Proceed


New Sync New Backup

 Browse to Recover  Tools

Disk 0_20260309_Full_v1

Recovery completed 

Disk 0

Next Backup
No Schedule 

Disk 0_20260309_Full_v1

- Recovery completed
- Total used time: 01:46:40

[Details](#)



My Disk



P:\z_images\EaseUS\Disk 0

Finish

This PC

File Computer View

Properties Open Rename Access media Map network drive Add a network location Open Settings Uninstall or change a program System properties Manage

Location Network System

This PC Search This PC

- wp
- Dropbox
- OneDrive
- OneDrive - Personal
- This PC**
 - 3D Objects
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
 - Windows 10 (C:)
 - DataDisk (D:)
 - USB Drive (E:)
 - 20GB-NTFS (S:)
 - 20GB-NTFS (S:)**
 - D
 - USB Drive (E:)

Folders (7)

- 3D Objects
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos

Devices and drives (4)

- Windows 10 (C:)
3.24 GB free of 139 GB
- DataDisk (D:)
11.1 GB free of 16.6 GB
- SDXC 20GB-NTFS (S:)
13.8 GB free of 19.5 GB
- USB Drive (E:)

Windows File Explorer interface showing the ribbon menu with options like File, Computer, View, Drive Tools, and Manage. The ribbon includes buttons for Properties, Open, Rename, Access media, Map network drive, Add a network location, Open Settings, and Manage. The address bar shows 'This PC' and a search box labeled 'Search This PC'.

- OneDrive
 - OneDrive - Personal
 - This PC**
 - 3D Objects
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
 - DIAGS (A:)
 - Windows 10 (B:)
 - Windows 10 (C:)
 - DataDisk (D:)
 - USB Drive (E:)
 - DataDisk (F:)
 - My Passport (P:)
 - 20GB-NTFS (S:)
 - 20GB-NTFS (S:)
 - D
 - DataDisk (F:)
 - 0_archives
 - adb
- 15 items 1 item selected

Folders (7): 3D Objects, Desktop, Documents, Downloads, Music, Pictures, Videos

Devices and drives (8):

Drive	Free Space	Total Capacity
DIAGS (A:)	35.9 MB	36.0 MB
Windows 10 (B:)	5.81 GB	139 GB
Windows 10 (C:)	5.85 GB	139 GB
DataDisk (D:)	11.0 GB	16.6 GB
My Passport (P:)	162 GB	931 GB
USB Drive (E:)	11.0 GB	16.6 GB
20GB-NTFS (S:)	13.8 GB	19.5 GB

Drive P: ... plus



File Computer View Drive Tools This PC

Properties Open Rename Access media Map network drive Add a network location Open Settings Uninstall or change a program System properties Manage

Location Network System

← → ↑ This PC Search This PC

- OneDrive
 - OneDrive - Personal
 - This PC**
 - 3D Objects
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
 - DIAGS (A:)
 - Windows 10 (B:)
 - Windows 10 (C:)
 - DataDisk (D:)
 - USB Drive (E:)
 - DataDisk (F:)
 - My Passport (P:)
 - 20GB-NTFS (S:)
 - 20GB-NTFS (S:)
 - D
 - DataDisk (F:)
 - 0_archives
 - adb
- 15 items 1 item selected

Folders (7)

- 3D Objects
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos

Devices and drives (8)

Drive	Free Space	Total Capacity
DIAGS (A:)	35.9 MB	36.0 MB
Windows 10 (B:)	5.81 GB	139 GB
Windows 10 (C:)	5.85 GB	139 GB
DataDisk (D:)	11.0 GB	16.6 GB
My Passport (P:)	162 GB	931 GB
USB Drive (E:)	-	-
20GB-NTFS (S:)	13.8 GB	19.5 GB
DataDisk (F:)	11.0 GB	16.6 GB



Disk Management

File Action View Help



Volume	Layout	Type	File System	Status	Capacity	Free Spa...	% Free
(Disk 0 partition 1)	Simple	Basic		Healthy (E...	500 MB	500 MB	100 %
(Disk 0 partition 2)	Simple	Basic		Healthy (...	40 MB	40 MB	100 %
(Disk 0 partition 4)	Simple	Basic		Healthy (R...	2.00 GB	2.00 GB	100 %
(Disk 0 partition 6)	Simple	Basic		Healthy (R...	529 MB	529 MB	100 %
(Disk 0 partition 8)	Simple	Basic		Healthy (R...	11.18 GB	11.18 GB	100 %
(Disk 0 partition 9)	Simple	Basic		Healthy (P...	62.50 GB	62.50 GB	100 %
(Disk 1 partition 2)	Simple	Basic		Healthy (P...	38.42 GB	38.42 GB	100 %
(Disk 2 partition 1)	Simple	Basic		Healthy (E...	500 MB	500 MB	100 %
(Disk 2 partition 9)	Simple	Basic		Healthy (P...	62.50 GB	62.50 GB	100 %
20GB-NTFS (S:)	Simple	Basic	NTFS	Healthy (P...	19.53 GB	13.69 GB	70 %
DataDisk (D:)	Simple	Basic	NTFS	Healthy (B...	16.66 GB	11.01 GB	66 %
DataDisk (F:)	Simple	Basic	NTFS	Healthy (B...	16.66 GB	11.01 GB	66 %
DIAGS (A:)	Simple	Basic	FAT32	Healthy (B...	36 MB	36 MB	100 %
Windows 10 (B:)	Simple	Basic	NTFS	Healthy (B...	139.38 GB	5.82 GB	4 %
Windows 10 (C:)	Simple	Basic	NTFS	Healthy (B...	139.38 GB	5.64 GB	4 %

Disk 0
Basic
232.76 GB
Online

500 MB Healthy (EF)	40 MB Healt	2.00 GB Healthy (Reco)	Windows 10 (C:) 139.38 GB NTFS Healthy (Boot, Page File,	529 MB Healthy (Re	DataDisk (D:) 16.66 GB NTFS Healthy (Basic Data	11.18 GB Healthy (Recovery	62.50 GB Healthy (Primary Partiti
------------------------	----------------	---------------------------	---	-----------------------	--	-------------------------------	--------------------------------------

Disk 1
Removable
57.95 GB
Online

20GB-NTFS (S:) 19.53 GB NTFS Healthy (Primary Partition)	38.42 GB Healthy (Primary Partition)
---	---

Disk 2
Basic
931.36 GB
Online

500 MB Healthy (E	DIAGS (A:) 40 MB Heal	2.00 GB	Windows 10 (B:) 139.38 GB NTFS Healthy (Basic Data Pa	529 MB	DataDisk (F:) 16.66 GB NTFS Healthy (Basic Da	11.18 GB	62.50 GB Healthy (Primary Par	698.60 GB Unallocated
----------------------	------------------------------------	---------	--	--------	--	----------	----------------------------------	--------------------------

■ Unallocated ■ Primary partition

File Home Share View Drive Tools Manage B:\

Pin to Quick access Copy Paste Cut Copy path Paste shortcut Move to Copy to Delete Rename New folder New item Easy access Properties Open Edit History Select all Select none Invert selection

Clipboard Organize New Open Select

← → This PC > Windows 10 (B:) Search Windows 10 (B:)

Name	Date modified	Size
SSysReset	2025-07-19 11:16 ...	
SWindows.~WS	2024-02-29 1:39 PM	
SWinREAgent	2025-06-13 7:37 PM	
.Trash-1000	2025-04-22 12:19 ...	
AMD	2017-12-01 3:46 PM	
Apps	2018-08-14 4:15 PM	
boot	2026-03-09 6:24 PM	
building	2020-08-17 6:25 PM	
CISS-EDR-2024	2025-12-20 3:59 PM	
clipper	2017-03-21 4:26 PM	
Drivers	2015-04-10 8:50 PM	
EDR_Files	2016-07-08 6:28 PM	
Garmin	2021-12-12 8:51 AM	
glasswire	2024-12-18 8:15 PM	
HP	2022-08-09 3:06 PM	
inetpub	2025-04-14 4:05 PM	
Intel	2023-01-29 3:37 PM	
MSOCache	2022-03-18 9:32 AM	
My Backups	2025-05-31 11:11 ...	
Office2019	2025-10-25 7:53 PM	
OneDriveTemp	2025-01-26 8:45 AM	
PerfLogs	2019-12-07 4:14 AM	
Program Files	2026-03-01 12:16 ...	
Program Files (x86)	2026-03-09 7:49 PM	
ProgramData	2026-03-09 7:42 PM	
Samsung C410W	2022-08-10 3:51 PM	
Search	2017-03-01 5:04 PM	

40 items

File Home Share View Drive Tools Manage F:\

Pin to Quick access Copy Paste Cut Copy path Paste shortcut Move to Copy to Delete Rename New folder New item Easy access Properties Open Select all Select none Invert selection

Clipboard Organize New Open Select

← → This PC > DataDisk (F:) Search DataDisk (F:)

Name	Date modified	Size
0_archives	2026-03-04 11:31 ...	
adb	2025-11-11 12:07 ...	
agtemp	2026-03-03 12:36 ...	
alan	2026-03-08 9:17 PM	
alan_and_carol_home_page	2025-12-04 2:49 PM	
bats	2026-03-07 10:32 ...	
nikon	2026-01-29 4:53 PM	
OneDriveFiles	2025-10-28 8:39 AM	
original	2026-03-09 7:49 PM	
receipts	2026-03-07 9:01 AM	
Road Safety Research	2024-09-12 9:20 PM	
System Volume Information	2023-12-11 10:09 ...	
thunderbird	2026-03-05 2:09 PM	
thunderbird_local_folders	2026-03-05 1:59 PM	
transfer	2026-03-09 7:51 PM	
utils	2022-01-25 9:40 AM	
z_pending	2025-09-18 12:33 ...	
.sync.ffs_db	2026-03-07 12:27 ...	44 KB
cross_canada_news_gatherer.htm	2012-03-12 10:28 ...	3 KB
default.htm	2025-11-30 11:06 ...	5 KB
dont-forget.png	2026-03-04 9:08 PM	65 KB
extract_patchmypc_updates.py	2026-01-28 4:46 PM	1 KB
index.htm	2024-12-20 10:38 ...	1 KB
linux.htm	2026-03-06 11:27 ...	3 KB
lockbox	2026-03-06 11:52 ...	131,072 KB
red_folder.kdbx	2026-03-06 11:28 ...	44 KB
skiing.png	2025-12-16 6:42 PM	501 KB

30 items

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 item, Easy access, New folder

Open: Properties, Open, Edit, History

Select: Select all, Select none, Invert selection

← → ↑ This PC > DataDisk (F:) Search DataDisk (F:)

- OneDrive
- OneDrive - Personal
- This PC
 - 3D Objects
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
- DIAGS (A:)
- Windows 10 (B:)
- Windows 10 (C:)
- DataDisk (D:)
- USB Drive (E:)
- DataDisk (F:)**
- My Passport (P:)
- 20GB-NTFS (S:)
- 20GB-NTFS (S:)
- D
- DataDisk (F:)
 - 0_archives
 - adb

File Name	Modified	Size
Open		
Edit with Notepad++	1:31 ...	
Encrypt with EncryptOnClick	2:07 ...	
Edit with PyCharm Community Edition	2:36 ...	
7-Zip	8:17 PM	
Scan with Microsoft Defender...	8:49 PM	
What's locking this file?	0:32 ...	
Share	8:53 PM	
Open with	8:39 AM	
File Shredder	8:49 PM	
Unlock with File Locksmith	8:01 AM	
Restore previous versions	8:20 PM	
Send to	0:09 ...	
Cut	8:09 PM	
Copy	8:59 PM	
Create shortcut	8:51 PM	
Delete	8:40 AM	
Rename	2:33 ...	
Properties	2:27 ...	44 KB
<input checked="" type="checkbox"/> extract_patchmypc_updates.py	2026-01-28 4:46 PM	1 KB
index.htm	2024-12-20 10:38 ...	1 KB
linux.htm	2026-03-06 11:27 ...	3 KB
lockbox	2026-03-06 11:52 ...	131,072 KB
red_folder.kdbx	2026-03-06 11:28 ...	44 KB
skiing.png	2025-12-16 6:42 PM	501 KB

```
F:\extract_patchmypc_updates.py - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
extract_patchmypc_updates.py
1 # -*- coding: utf-8 -*-
2 from Npp import editor, notepad
3
4 # Define the delimiters
5 start_token = "INFO Application"
6 end_token = " has been successfully updated"
7
8 # Get all text from the active document
9 text = editor.getText()
10
11 results = []
12 start_pos = 0
13
14 # Extract all substrings between the tokens
15 while True:
16     start_index = text.find(start_token, start_pos)
17     if start_index == -1:
18         break
19
20     start_index += len(start_token)
21     end_index = text.find(end_token, start_index)
22     if end_index == -1:
23         break
24
25     # Extract and clean the substring
26     extracted = text[start_index:end_index].strip()
27     results.append(extracted)
28
29     start_pos = end_index + len(end_token)
```

Python file length: 921 lines: 37 Ln: 1 Col: 1 Pos: 1 Windows (CR LF) UTF-8 INS

Success!

- Access the backup disk image
- Recover the disk's partitions
- Read the individual files and folders
- Full recovery if/when required will succeed





iSisters Technology Mentoring

Loonie Links



Contact Us

[About Us](#) [Who We Help](#) [Our Programs](#) [Get Involved](#) [Success Stories](#) [News](#)

[DONATE](#)

FREE computer skills programs for women on their journey to economic independence.

SKILLS AND CONFIDENCE

[DONATE](#) ➔

Natalie

<https://isisters.org>



**Any other:
Questions
Comments
Shares?**



OPCUG PRESENTATIONS AT THE OTTAWA PUBLIC LIBRARY

Windows 10 Reaches End of Life - Again!

Alan German

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

The Ins and Outs of Electronic Mail

Chris Taylor

Centennial, Monday Apr 27, 2026 at 2:00pm

Organizing and showcasing your photos

Lynda Buske

Rosemount, Thursday Apr 30, 2026 at 6:00pm

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



**Britannia Park
Trolley/Picnic Station**

June 10, 2026



**Register by E-mail to: pizzaparty2026@opcug.ca
Details: <https://opcug.ca/events/annual-pizza-night/>**

May Meeting



Ask The Geeks

Multiple Geeks
OPCUG

May 13, 2026
7:30 pm



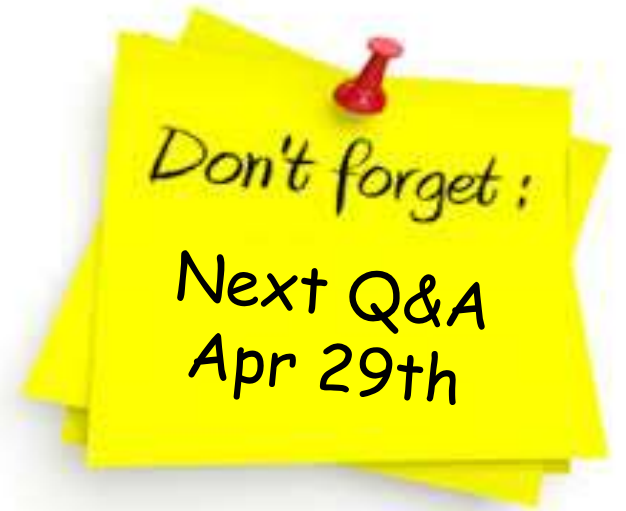
Wanted - Your Questions!



- The geeks are ready to (try to) answer your questions at the May meeting!
- **What is your question?**
- Send your question ahead of the meeting to:

alan.german@opcug.ca

** Alan promises not to look up the answer or share the question with the other geeks!*



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

SuggestionBox@opcug.ca