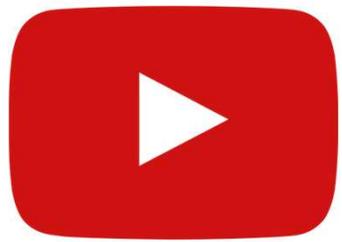


Q & A



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

October 1, 2025



On trusting and not trusting Microsoft

YouTubeTech

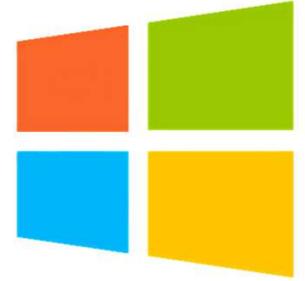
- Interesting video from *Ask Leo*
 - Leo Notenboom
- Addressing trust and Microsoft
- In particular addressing:
 - people's concern that using OneDrive allows Microsoft to snoop in your documents
- Anyone concerned that Microsoft may be doing nefarious things should probably watch this



<https://www.youtube.com/watch?v=lkv8DGpHoNA>

Share

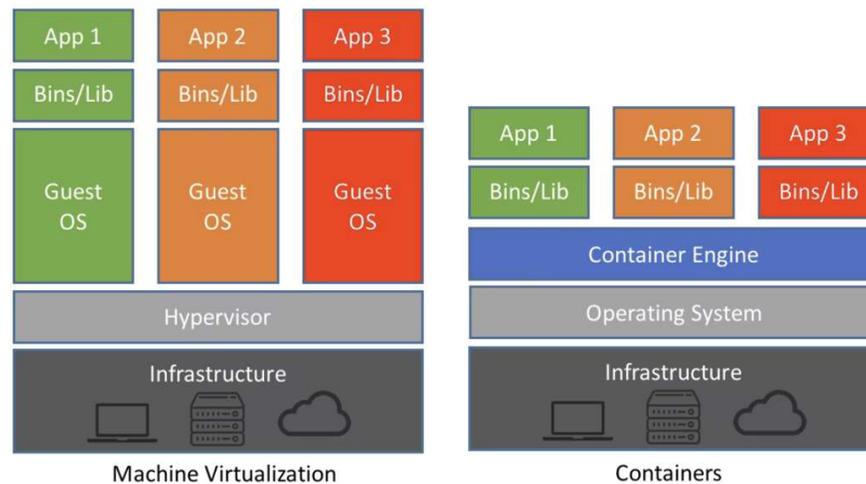
Windows 11 25H2



- Latest feature update to Windows 11 released Sept 30th
- Full blog posting:
 - <https://techcommunity.microsoft.com/blog/windows-itpro-blog/an-it-pro%E2%80%99s-guide-to-windows-11-version-25h2/4457409>
- Anyone meeting the requirements can now download and install 25H2
 - details:
 - <https://www.microsoft.com/en-ca/software-download/windows11>
- Will take some time to become available through Windows Update
 - upgrade time is short
 - delivered as *minor enablement package update* (eKB)
 - mostly activates features already present but inactive in 24H2

Q&A Docker

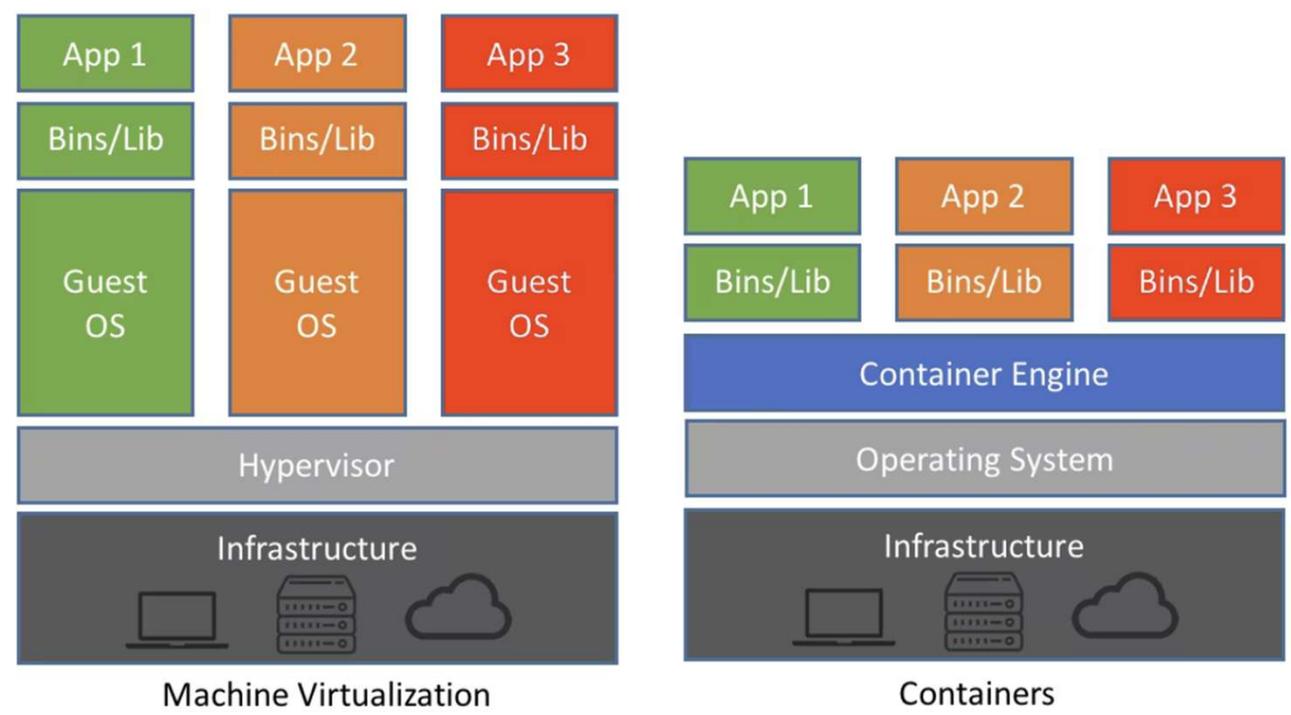
Q&A What are Containers?

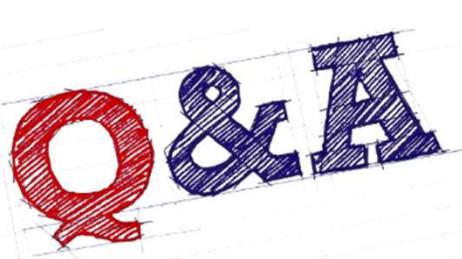




What are Containers?

- Containers are a form of virtualization.
- Unlike Virtual Servers, containers share the host machine's OS kernel.
- The most common Container Engines are **Docker** and **Podman**.



The logo consists of the letters 'Q', '&', and 'A' in a stylized, hand-drawn font. The 'Q' is red, and the '&' and 'A' are blue. They are set against a background of a white grid with a light blue border.

Containers vs VM

Portability and Consistency:

Containers package an application and all dependencies into a single unit. Ensures the application behaves consistently across different machines.

Resource Efficiency:

Containers share the host machine's OS kernel making it more lightweight and efficient in resource consumption. There is also only one OS to maintain.

Isolation and Security

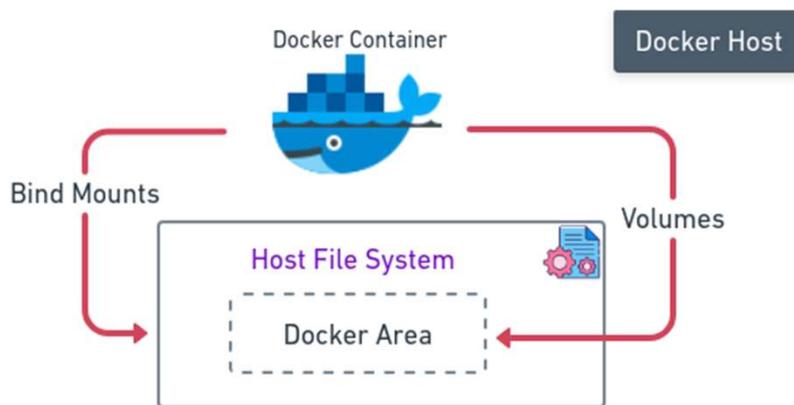
Both VMs and Containers are a method to provide isolation between different applications, as well as the host system. Though containers are a bit more secure, as they generally only contain the minimum software to run a given application.



How is container data stored?

Container data by default is ephemeral, so only exists while the container is running.

To store persistent application data, a storage volume external to the container is mapped. Two methods are available **Bind Mounts** or **Docker Volumes**.





How is a container deployed?

Docker containers can be deployed directly with **Docker Commands** or using **Compose** files.

It is recommended to use Compose, a YAML format file, used to define and save your configuration for reproducibility.

Compose files can also be easily source controlled using **Git**.

NOTE: If using external providers like GitHub, be careful not upload any files that include passwords.



Example Compose File

```
networks:                # Define a specific docker network for the application, to provide additional security isolation.
  forgejo:               # If not specified, all containers would share the same default docker network.
    external: false

services:
  server:                # Service section defines what containers the application stack will require.
    image: codeberg.org/forgejo/forgejo:11 # The container service name we wish to use, it can be anything.
    container_name: forgejo # The source for the pre-created application container.
    environment:         # The name we wish to call this container, the display name in Docker.
      - USER_UID=1000   # Environment variables in the container which we can customize,
      - USER_GID=1000   # what variables are available is defined by each container.

    restart: always     # Define the restart action, when the container is terminated (ex: reboot).
    networks:           # List which docker networks, the container will have access to.
      - forgejo

    volumes:            # A mapping of host volumes to container volumes.
      - /srv/containers/forgejo/data:/data # This line is where the persistent data will be stored.
      - /etc/timezone:/etc/timezone:ro
      - /etc/localtime:/etc/localtime:ro

    ports:              # The list of ports to expose, for application access outside the host.
      - '3000:3000'     # Defines what host port is mapped to a given container port.
      - '222:22'
```

Example source: <https://forgejo.org/docs/latest/admin/installation/docker/#docker>

DEMO



Demo

- First install Docker on your host, this can be done by following the official documentation for your platform at <https://docs.docker.com/engine/install/>
- Ensure your desired account is part of the docker group.

```
demo@DebianDemo:/$ sudo usermod -aG docker $USER
```

- Create the directory structure for the persistent data. And set the owner to the desired account.

```
demo@DebianDemo:/$ sudo mkdir -p /srv/containers/forgejo/data
demo@DebianDemo:/$ sudo chown -R demo:demo /srv/containers
demo@DebianDemo:/$ ls -l /srv/containers
total 4
drwxr-xr-x 3 demo demo 4096 Aug 31 17:10 forgejo
demo@DebianDemo:/$ |
```



Demo Continued ...

- Verify the ID of the account you will use for containers. To ensure the correct ID is used in the Docker Compose file.

```
demo@DebianDemo:/$ id -u demo  
1000
```

- In our host file path `/srv/containers/forgejo` create the compose file named `compose.yaml`.

```
demo@DebianDemo:/$ nano /srv/containers/forgejo/compose.yaml
```



Demo Continued ...

```
GNU nano 8.4 /srv/containers/forgejo/compose.yaml
networks:
  forgejo:
    external: false

services:
  server:
    image: codeberg.org/forgejo/forgejo:11
    container_name: forgejo
    environment:
      - USER_UID=1000
      - USER_GID=1000
    restart: always
    networks:
      - forgejo
    volumes:
      - /srv/containers/forgejo/data:/data
      - /etc/timezone:/etc/timezone:ro
      - /etc/localtime:/etc/localtime:ro
    ports:
      - '3000:3000'
      - '22:22'
```



Demo Continued ...

- Change to the directory with the compose file, and start the container with the command **docker compose up -d**.

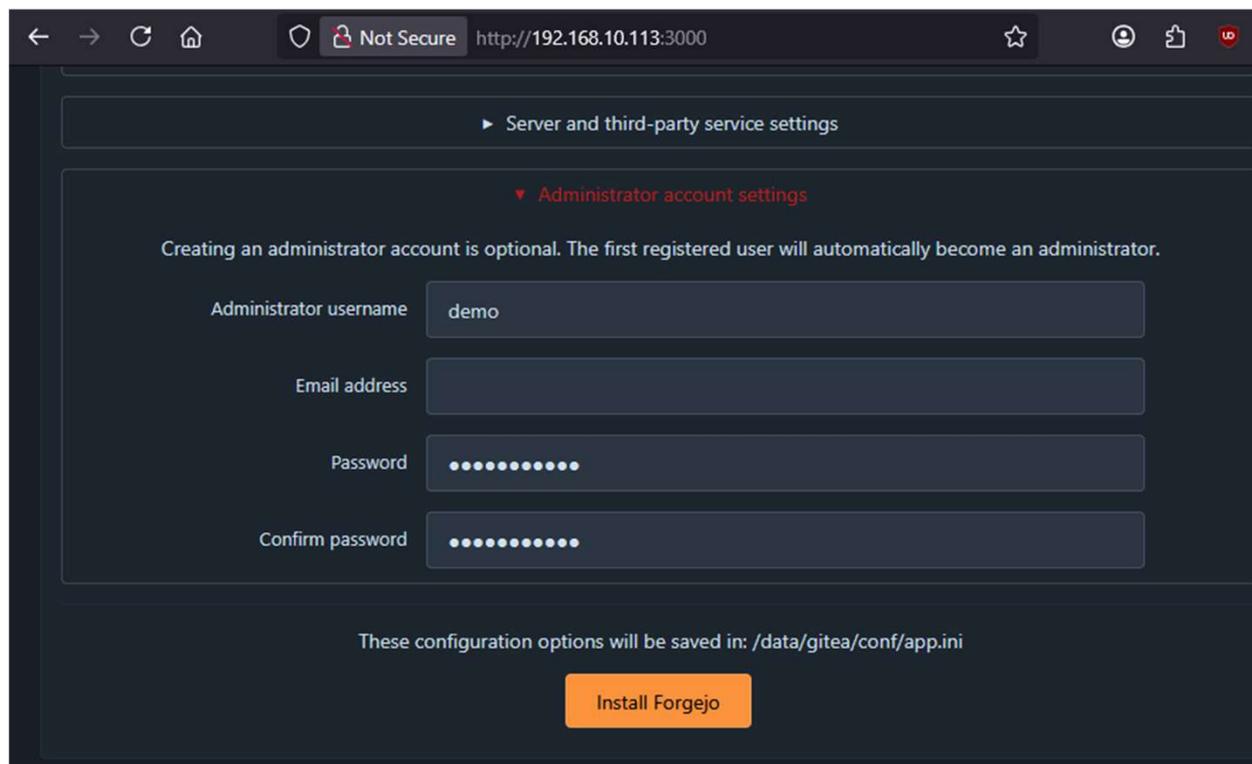
```
demo@DebianDemo:~/srv/containers/forgejo$ docker compose up -d
```

- The container will now be pulled down from the source location and started.

```
demo@DebianDemo:~/srv/containers/forgejo$ docker compose up -d
[+] Running 10/10
 ✓ server Pulled 6.9s
   ✓ 0368fd46e3c6 Pull complete 1.4s
   ✓ 86258a861566 Pull complete 2.2s
   ✓ 5ba7bbb96787 Pull complete 2.2s
   ✓ d2cac134af1f Pull complete 2.2s
   ✓ 578b00bae60f Pull complete 2.2s
   ✓ bc1f974bf6bc Pull complete 4.3s
   ✓ bf7363368500 Pull complete 4.3s
   ✓ 40c2b474f4f4 Pull complete 4.3s
   ✓ ed98dd6f0850 Pull complete 4.3s
[+] Running 2/2
 ✓ Network forgejo_forgejo Created 0.0s
 ✓ Container forgejo Started 0.2s
```

Q&A Demo Continued ...

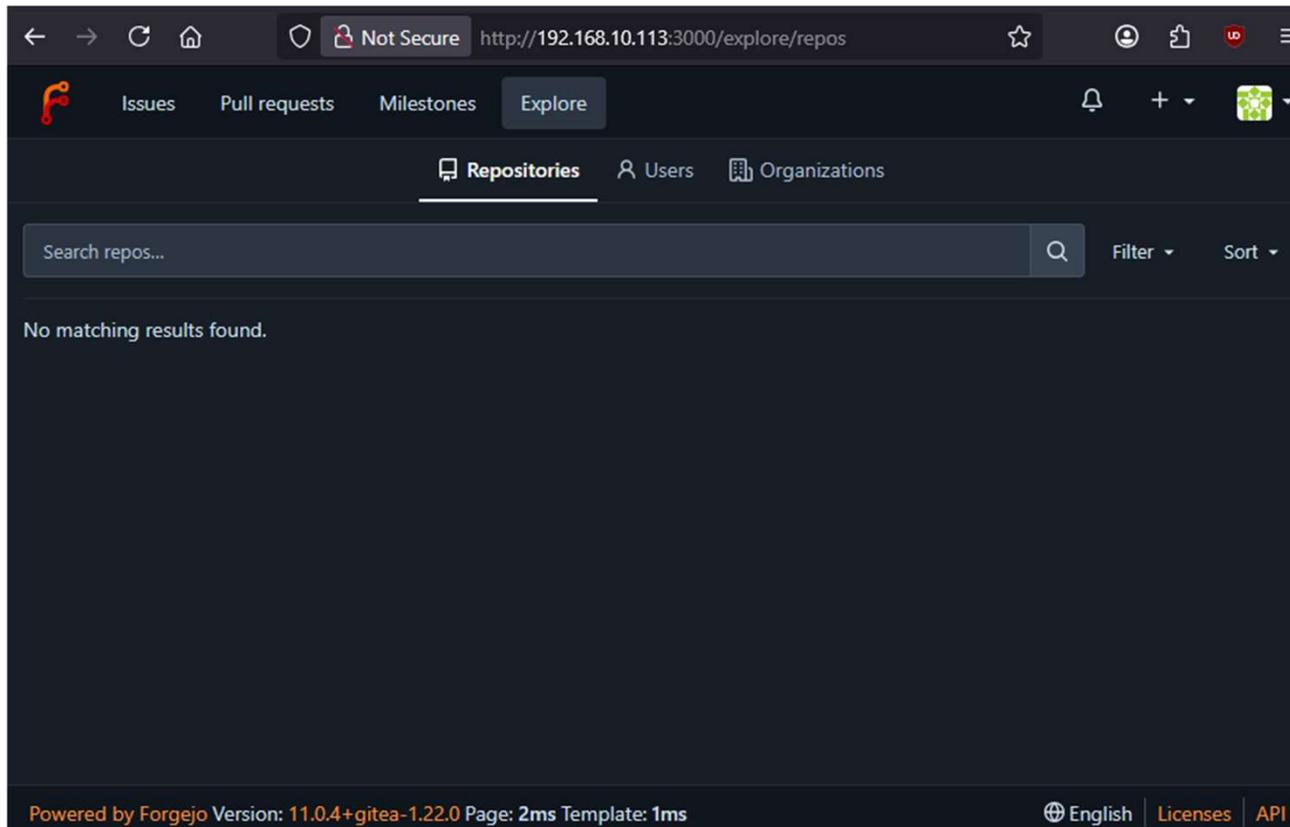
- We can now access our application at the IP and Port of our host machine.
- For this application it now gives us an opportunity to setup an Administrator Account.



The screenshot shows a web browser window with the address bar displaying "http://192.168.10.113:3000". The page title is "Not Secure". The main content area is titled "Administrator account settings" and contains the following text: "Creating an administrator account is optional. The first registered user will automatically become an administrator." Below this text are four input fields: "Administrator username" (containing "demo"), "Email address", "Password", and "Confirm password". At the bottom of the form, there is a note: "These configuration options will be saved in: /data/gitea/conf/app.ini" and an orange button labeled "Install Forgejo".

Q&A Demo Continued ...

- The application is now fully functional.



Q&A Demo Continued ...

- When the application requires an update, it is performed by simply executing the following.

```
demo@DebianDemo:/srv/containers/forgejo$ docker compose pull && docker compose up -d
```

- The command pulls down any new version of images defined in the Compose file and redeploys.



Where to find containers?

- Many open source web application projects, directly provide container images and docker compose templates.
- An excellent source is also **linuxserver.io** which provides containers and docker compose examples for a wide range of open source software.

<https://www.linuxserver.io/>



What are some examples?

Some examples of useful containers for home are:

- **Portainer** – A GUI for managing containers.
- **Jellyfin** – Media system for streaming shows, movies and music.
- **Immich** – Photo and video management.
- **Mealie** – Recipe manager.
- **Home Assistant** – Home automation system.
- **Nginx Proxy Manager** – Reverse proxy and Let's Encrypt certificates for your container applications.
- **Authentik** – Identity provider and Single Sign On (SSO) platform.



Down the rabbit hole

- Starting to experiment with containers, unlocks the world of Self-Hosting.
- There is a large community hosting applications at home, to take back control of their personal data (DeGoogling).
- Self-hosting can be a great learning experience and fun hobby.
- Provides a second life as a home server, for an older PC.



Links for further learning

More advanced setup guide for Docker host:

<https://blog.gurucomputing.com.au/Doing%20More%20with%20Docker/Introduction/>

YouTube creators, with helpful container content:

<https://www.youtube.com/@TechnoTim/videos>

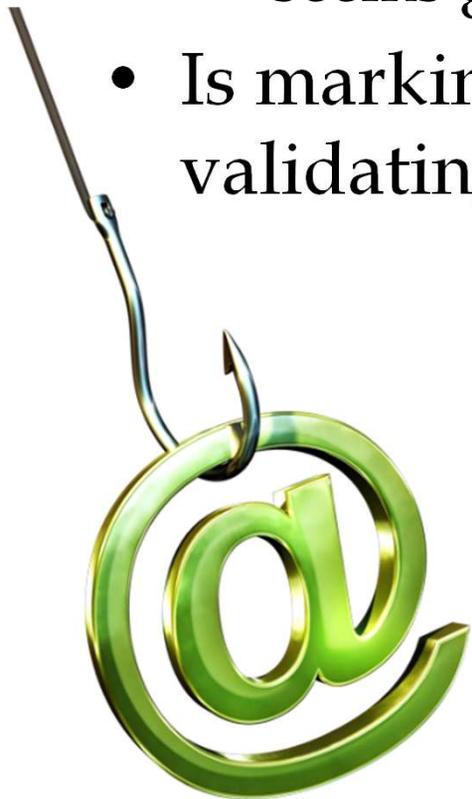
<https://www.youtube.com/@christianlempa/videos>

<https://www.youtube.com/@Jims-Garage/videos>



Am I inviting more junk mail?

- Recently changed internet providers
- See more junk mail coming to my inbox
- If marked as phishing & junk
 - seems get even more of these emails
- Is marking these emails as phishing an invite, or validating the email?



Carol Ann Pearson





Short answer: no

- In most email interfaces (web or local client software)
- Marking an email as spam/junk/phishing
 - should not send anything to the originator
- So what does spam filtering actually do?
- Several possibilities
 - block future emails from that sender, with that subject line, etc.
 - use Bayesian filtering to block future emails
 - locally with email client
 - at the email provider level such as Gmail or Outlook.com



Bayesian filtering

- Statistical technique
 - analyzes email content
 - calculates probability that a message is spam or legitimate
- Trained
 - known spam and “ham” (legitimate) emails
 - builds database of characteristics
- When a new email arrives
 - filter checks the presence and frequency of the characteristics
 - computes likelihood the message is spam
 - classifies email accordingly

<https://paulgraham.com/spam.html>

<https://www.perplexity.ai/search/what-is-bayesian-filtering-in-mGXjEl3iSWC6Zqe81hpaVA>



Is blocking spam worth the effort?

- Maybe...
- Blunt instrument blocking
 - based on sender's email address, subject line, etc.
- Probably not
 - spammers mix up their emails too much
 - unlikely new spam "from" same sender, same subject, etc.
- Bayesian filtering more likely to help
- Major email providers have sophisticated spam filtering

*Gmail's defenses stop more than 99.9% of spam, phishing and malware from reaching inboxes and **block nearly 15 billion unwanted emails every day.***
<https://blog.google/products/gmail/gmail-security-authentication-spam-protection/>



Never...

- Reply to a spammer
 - reply address likely to be spoofed
 - spammers don't want to be identified & have their email address cancelled
- Use links in spam to *unsubscribe*
 - that tells the spammer two things
 - your email address is valid
 - you actually read their spam
 - both of which could lead to more spam

Other thoughts?

Everything



Bob Herres

The Holy Grail



of File Finding

OPCUG



Users helping users
for over 40 years

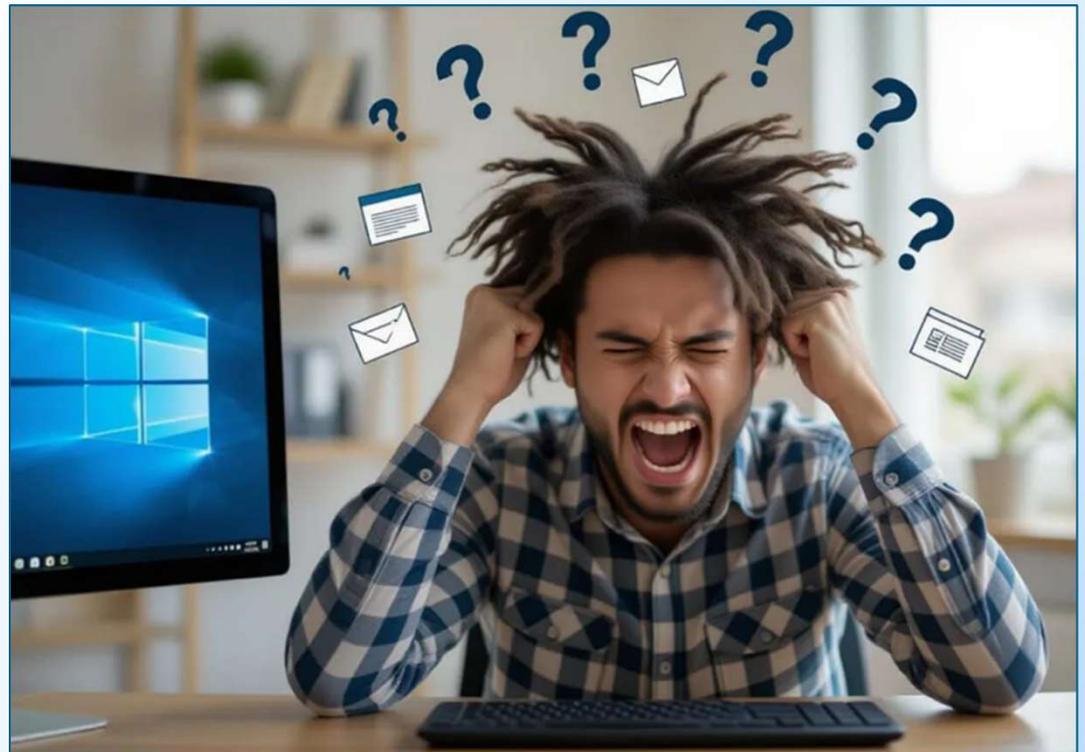
We All Have This Problem..

Every Computer has Files

Every User wants to find their files

Windows Search should be Easy... Right?

Spoiler Alert: It's not!



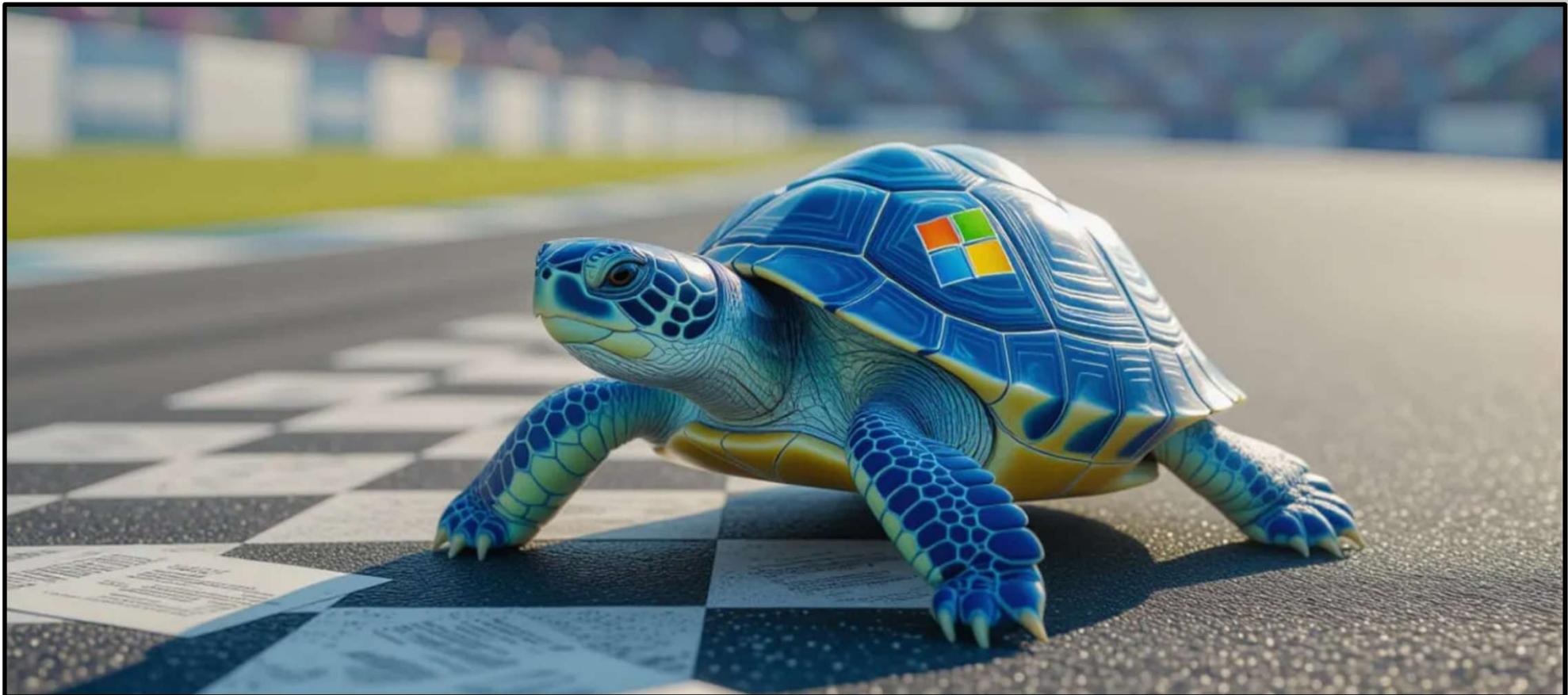
The Harsh Truth About: **Windows File Search**

It takes forever to find anything

It sometimes misses files you **KNOW** exist

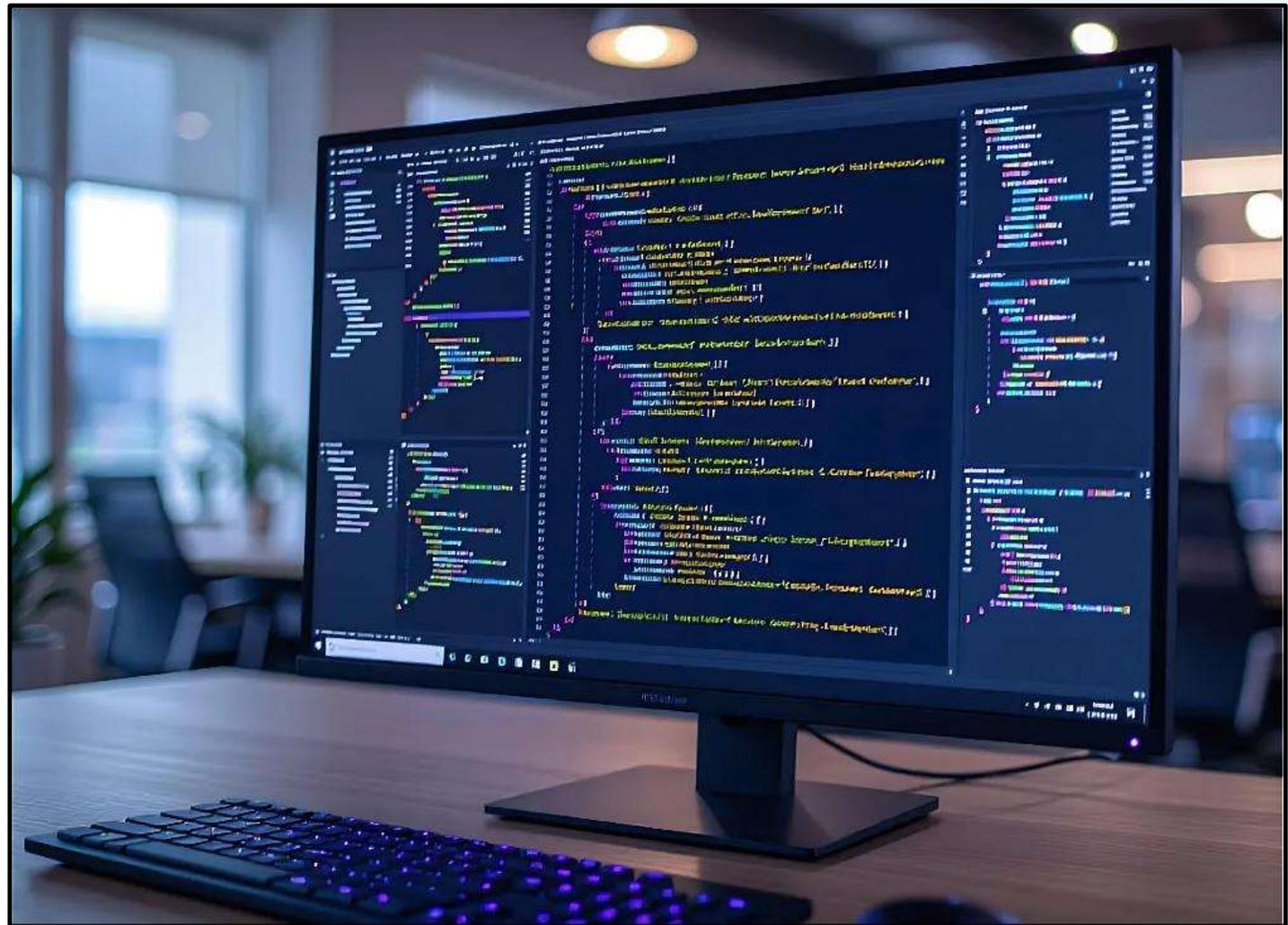
Uses **Tons of System Resources!**

Makes you Question your own Sanity!



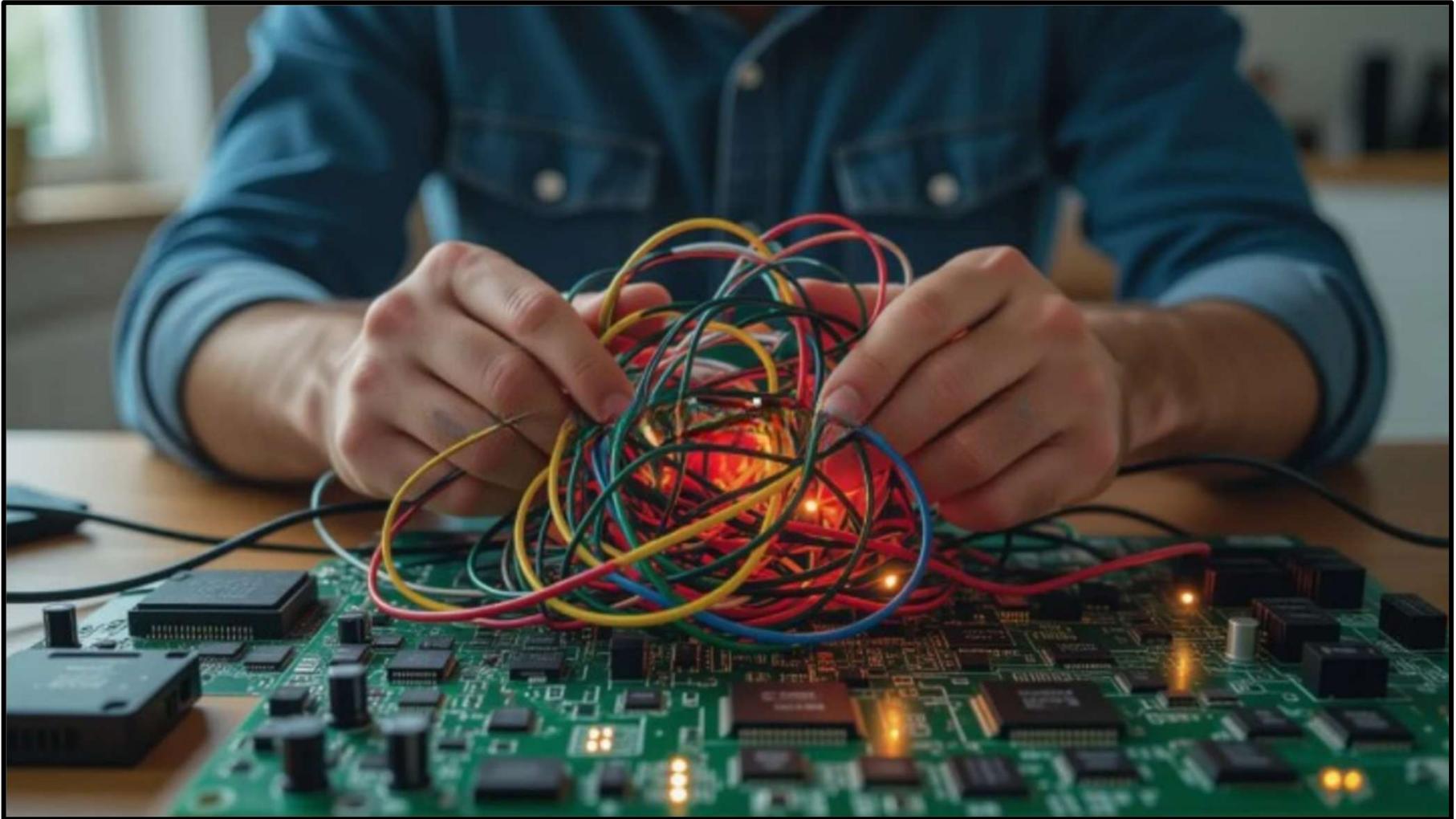
Sure, you could Optimize Windows Search

- **Complex Configuration Screens**
- **Registry Tweaks**
- **Advanced Indexing Options**



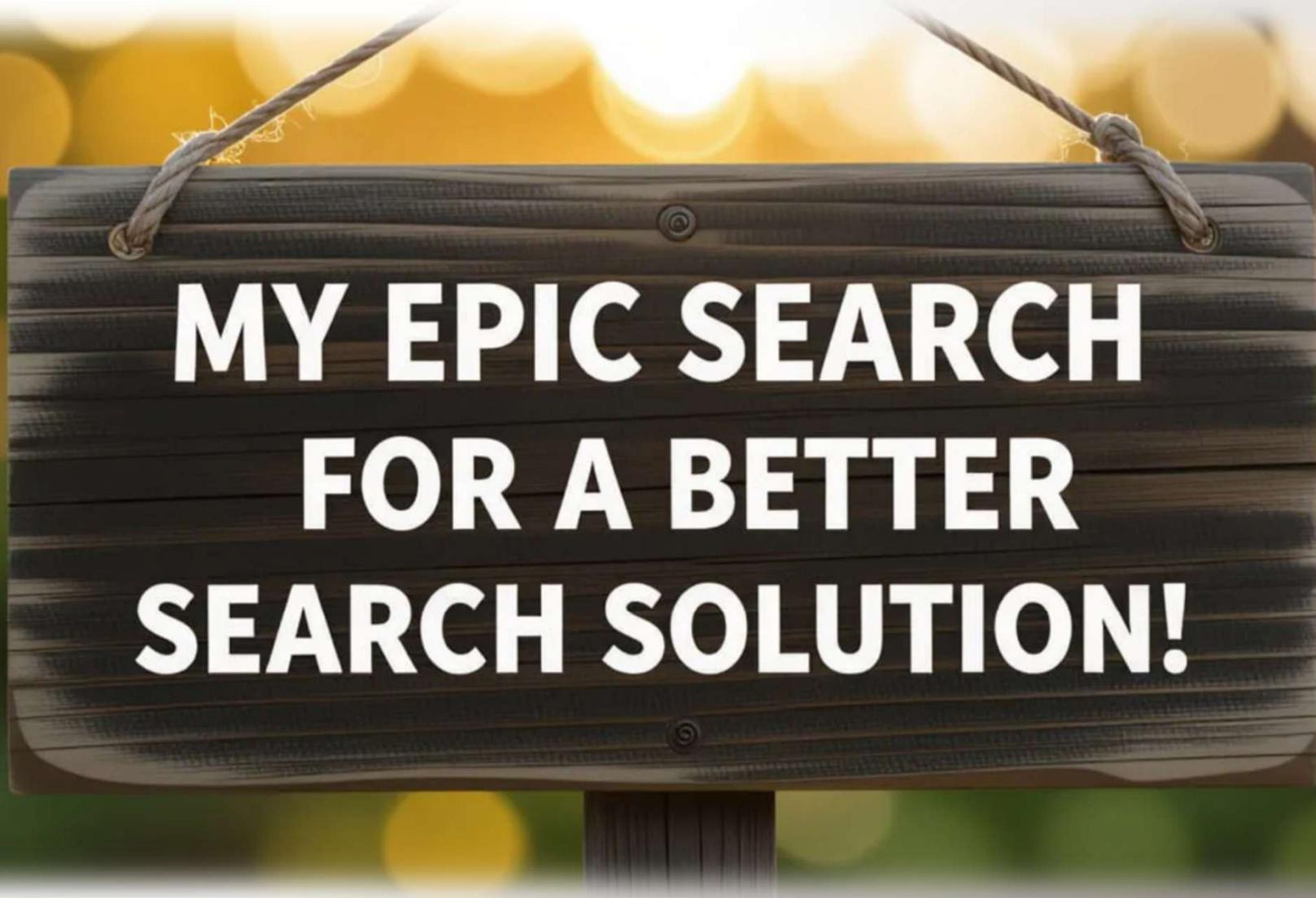
Optimizing Windows Search

I tried it once.



My Computer didn't speak to me for a Week!

And so, I began

A wooden sign with white text hanging from a rope against a bokeh background. The sign is made of dark wood planks and is suspended by two ropes. The text on the sign is in a bold, white, sans-serif font. The background is a soft-focus bokeh of warm, golden-yellow lights, suggesting an outdoor setting at dusk or dawn.

**MY EPIC SEARCH
FOR A BETTER
SEARCH SOLUTION!**

I searched the entire **World Wide Web**

I looked for:

The Holy Grail of Computer Searches

I tried everything...

the answer
was much
closer, than I
had thought...



I found it on Page 7 of our own, October 2011 OPCUG Newsletter



The Discovery



October 2011



OTTAWA

PC NEWS

October 2011

Volume 28, Number 8

PRODUCT REVIEW

Wondershare LiveBoot 2012 *by Chris Taylor*

It often pays to watch the messages that get posted on The PUD.

While WinPE (the "PE" stands for "pre-installation environment") was origi-

inally used for Windows System Restore (where you can try to recover by using a standard Win-

Page 7

OPCUG Free Software Guide—Part 25

*Compiled by Alan German,
Dunc Petrie and
Brice Wightman*

This guide features an annotated list of free computer programs. The software mentioned has not been reviewed (except where noted) nor have any tests necessarily been conducted. Consequently, no guarantees are pro-

Luxand Blink!

Logging into Windows has never been easier! Simply look into your webcam and you'll be logged into your account in the blink of an eye. Blink! employs advanced face recognition

OPCUG Free Software Guide—Part 25

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Luxand Blink!

Logging into Windows has never been easier! Simply look into your webcam and you'll be logged into your account in the blink of an eye. Blink! employs advanced face recognition

Everything

With this file indexing utility you can search disks using logical operands or – shades of DOS – the asterisk and question mark. The program will locate files and folders by name instantly. With some minor configuration it can even search across an entire home network

Current Release: Version 1.2.1.371

Web Site: <http://www.voidtools.com/>



Meet: Everything



Size Doesn't Matter When You're This Good



Current Version: 1.4.1.1028
Tiny Size: 1.5MB program
Skills: Instant File Finding

Created by: David Carpenter (Australia)

Discovered by: Three Visionaries
Alan German, Duncan Petrie & Bryce Whitman

How **Everything**
achieves
The Impossible!



Reads Master File Table Directly
Indexes only file names, not content
Real-time updates
Uses virtually zero resources



Takes Forever
Misses some files
Eats system resources
Makes you cry



Everything



Results in under 1 second
Finds EVERY file
Practically invisible to system
Makes you happy



 Everything

File Edit View Search Bookmarks Tools Help

|

 Everything

File Edit View Search Bookmarks Tools Help

How do I search for a file or folder?

Just type the partial file or folder name into the search edit, the results will appear instantly.

Fancy Searches

Try using Asterisks *
as a Wildcard

*.jpg or *.png etc. to find your photos

*.pdf – to find your PDFs

Holiday* - find your holiday files



Just type and watch the Magic Happen!

Everything appeals to Experts



dm:today - Files modified today

size:>100mb - Large files

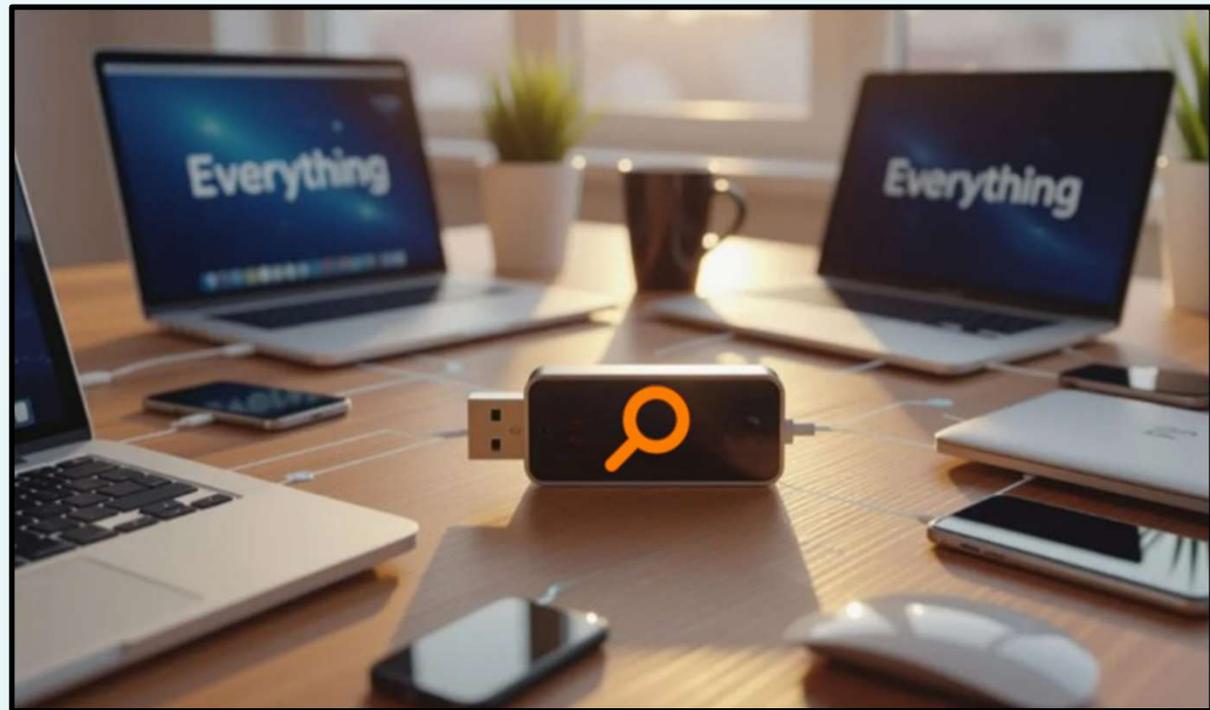
dm:thisweek - Recent files



Take It With You



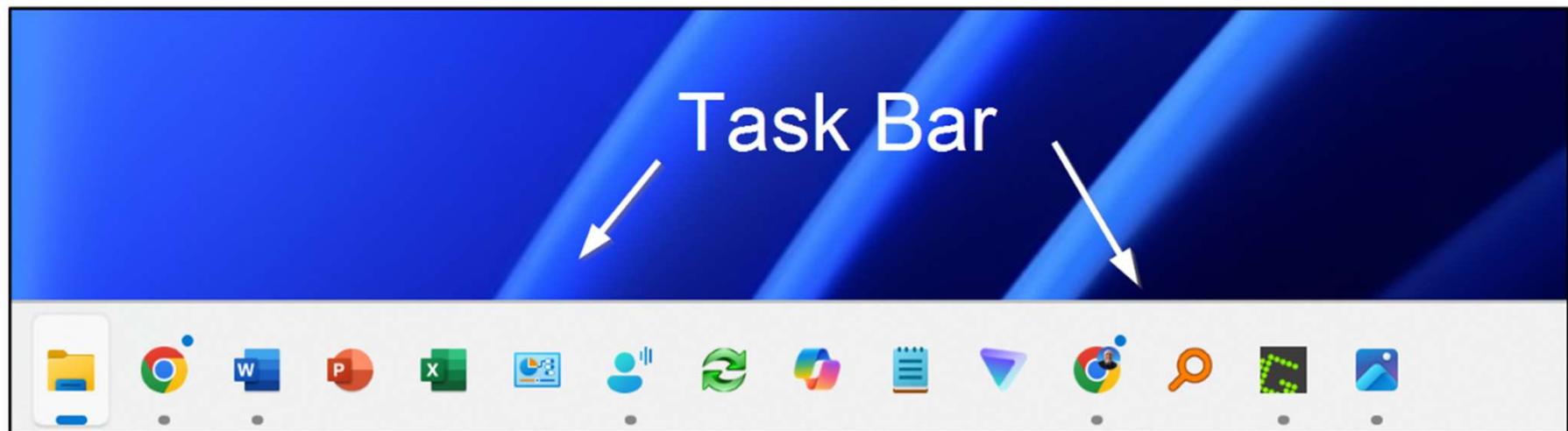
- Small enough to run from a Tiny Thumb Drive!
- No install needed
- Perfect for Service Calls or Diagnostics on PCs and Laptops



Once, you get the program Open
Right-click on your taskbar icon
Select "Pin to your taskbar"



Now, it's always there when you need it.



**Because finding a Search Tool
Shouldn't Require... Searching!**

- Alan German, Duncan Petrie & Bryce Wightman
- OPCUG Newsletter contributors since at least 2011 (and well before)
- Visionaries who recognized tomorrow's tools, today
- Helping make our club legendary for over 40 years





Everything

Visit: **voidtools.com**

Completely Free

donations are accepted

Instant Results, No Ads

voidtools

voidtools.com

Download Everything 1.4.1.1028

Download Installer

Download Installer 64-bit

Download Portable Zip

Download Portable Zip 64-bit

Download Lite Installer

Download Lite Installer 64-bit



UPDATE Windows Consumer Extended Security Updates **recap**

- Windows 10 end-of-life October 14, 2025
 - after which no more security updates
- Consumer Extended Security Updates available
 - extends security updates for an extra year (October 13, 2026)
 - three options (two of which are no-dollar cost)
 - US\$30
 - configure Windows to back up *settings* to OneDrive (cloud)
 - note: you *don't* have to back up *files* to OneDrive
 - “spend” 1,000 Microsoft Rewards Points
- Extra info from Q&A & September meeting
 - https://opcug.ca/qa_recordings/20250716_PowerPoint.pdf
 - https://opcug.ca/qa_recordings/20250723_PowerPoint.pdf
 - <https://opcug.ca/presentations/2025-09-Windows10EOL.pdf>

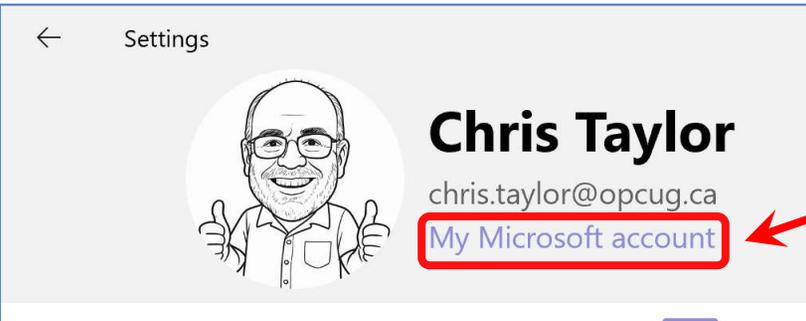
UPDATE



Prerequisites for Consumer ESU recap

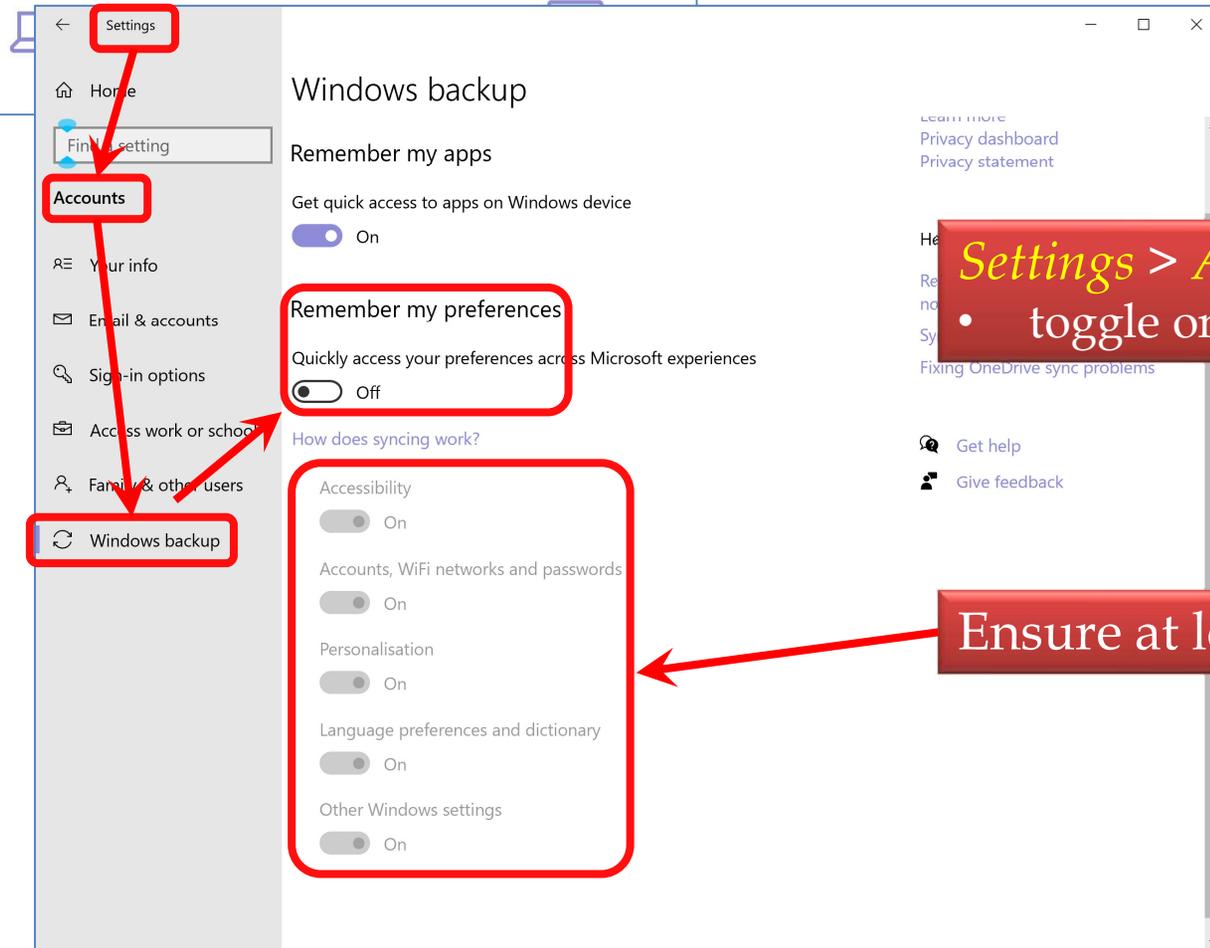
- On Windows 10 version 22H2
 - *Settings > System > About > Windows Specifications*
- Have latest updates installed
 - *Settings > Update & Security > Windows Update > Check for updates*
- Microsoft Account used to sign into computer must be an Administrator
 - *Settings > Accounts > Your info > look for Administrator* under your profile pic
 - if signed in using a Local Account, you will be prompted to provide credentials for a Microsoft Account during process

UPDATE Backing up settings to OneDrive



To use option of backing up settings

- must be using a Microsoft Account
- check for *My Microsoft Account* in *Settings*



Settings > Accounts > Windows Backup

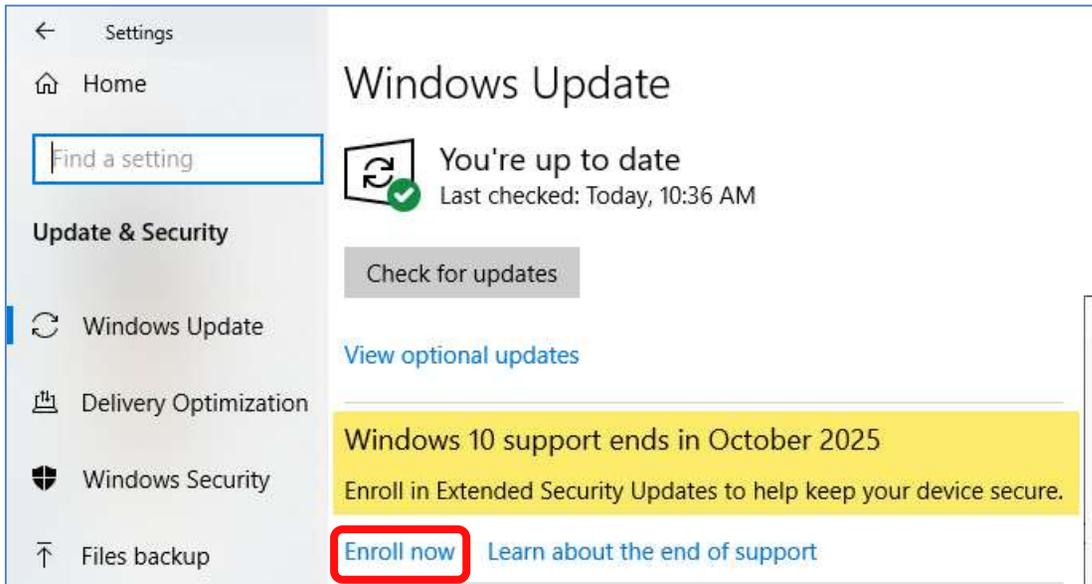
- toggle on *Remember my preferences*

Ensure at least one option enabled



Enrolling in ESU

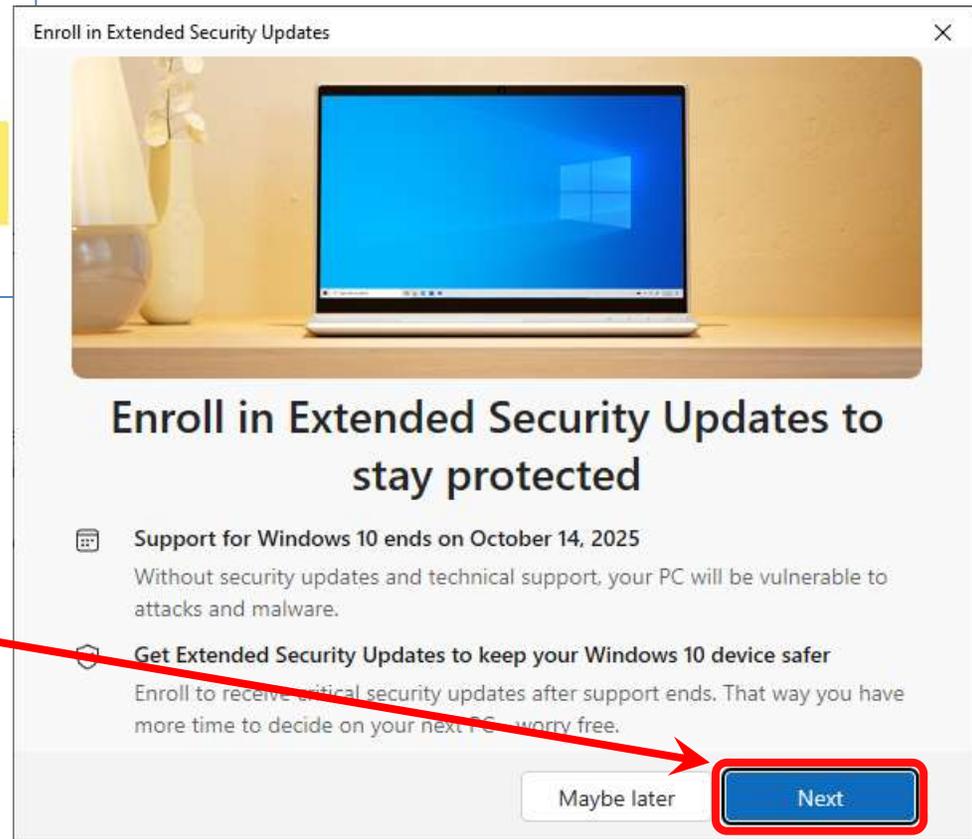
Settings > Update & Security



Don't see option *Enroll now*?
• check back later

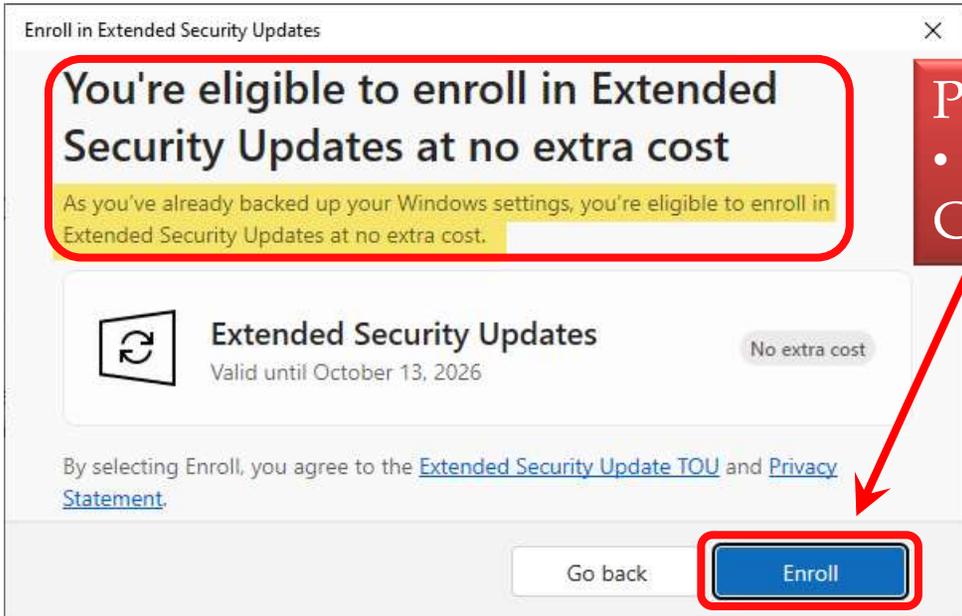
Click *Enroll now*

click *Next*



UPDATE

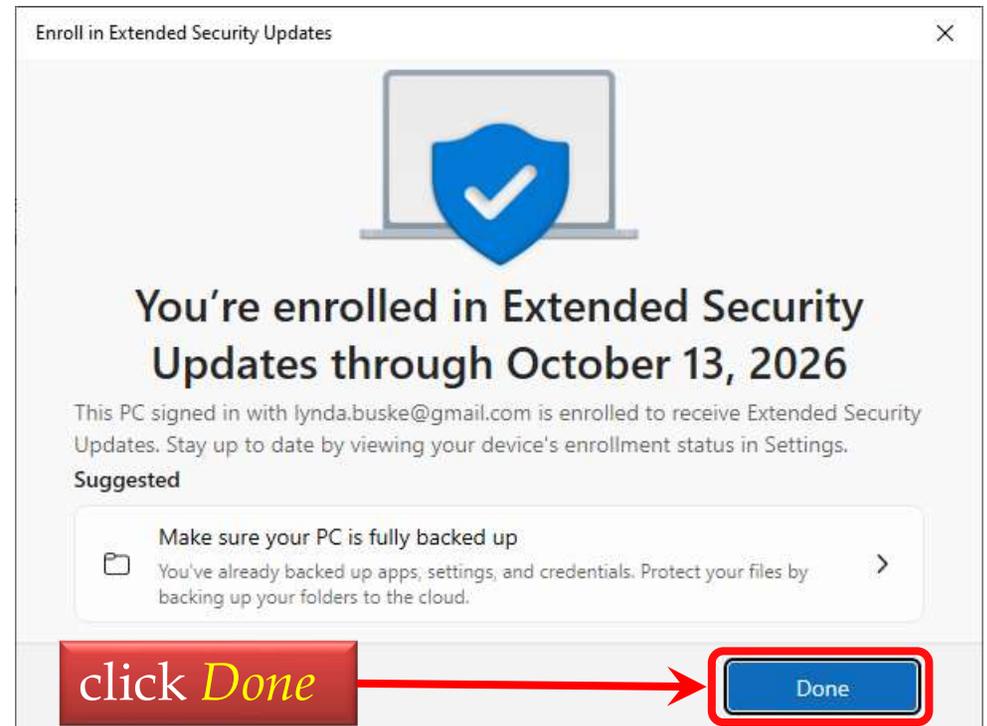
2 more clicks & you're enrolled



PC it is already backing up Windows settings

- one of two ways to get ESU for free

Click *Enroll*



Verification of enrollment

Windows Update page indicates *enrolled*

Your PC is enrolled to get Extended Security Updates.

[Learn more about Extended Security Updates](#)

Windows Update



You're up to date

Last checked: Today, 10:36 AM

Check for updates

[View optional updates](#)



Get the latest updates as soon as they're available

Be among the first to get the latest non-security updates, fixes, and improvements as they roll out. [Learn more](#)



Pause updates for 7 days

Settings

Home

Find a setting

Update & Security

Windows Update

Delivery Optimization

Windows Security

Files backup

Troubleshoot

Recovery

Activation

Find my device

Windows Insider Program

Windows Update



You're up to date

Last checked: Today, 10:36 AM

Check for updates

[View optional updates](#)



Get the latest updates as soon as they're available

Be among the first to get the latest non-security updates, fixes, and improvements as they roll out. [Learn more](#)

Off



Pause updates for 7 days

Visit Advanced options to change the pause period



Change active hours

Currently 8:00 AM to 2:00 AM



View update history

See updates installed on your device



Advanced options

Additional update controls and settings

If in narrow view, *enrolled* indication below

Your PC is enrolled to get Extended Security Updates.

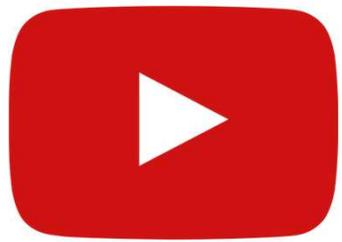
[Learn more about Extended Security Updates](#)

UPDATE



Turn off backup of settings? Switch to a Local Account?

- Once enrolled in Consumer Extended Security Updates
- No requirement to continue backing up settings
 - feel free to turn that off
- If you switched your Local Account to a Microsoft Account to enroll in ESU
 - no requirement for it to remain a Microsoft Account
 - to change Microsoft Account to Local Account
 - *Settings > Accounts > Your Info > Sign in with a local account instead*



7 reasons you could lose your Google Account forever

YouTubeTech

- Losing access to Gmail can mean
 - losing years of email, contacts, & memories
- Most recovery failures caused by simple mistakes
 - outdated recovery info
 - weak/reused passwords
 - ignored warnings
 - not enabling two-factor authentication
 - and more
- Avoid the mistakes & never risk losing your account



Ask Leo with Leo Notenboom

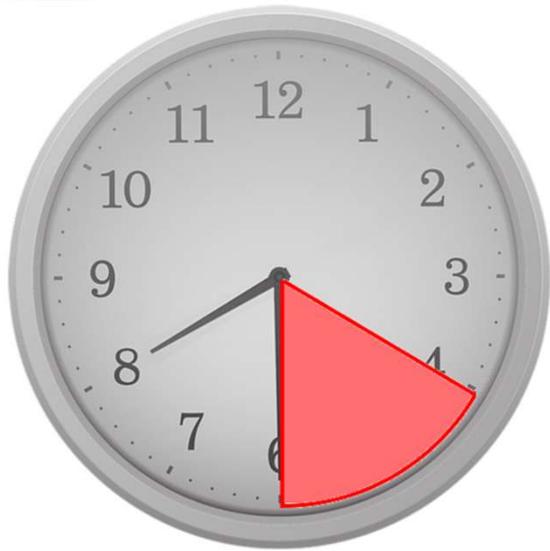
<https://www.youtube.com/watch?v=v7vDTTpTDoU>

UPDATE



Other options for ESU

- All Windows 10 computers I have access to
 - already backing up settings
 - so computers were enrolled automatically using that option
- If you prefer another option to enroll in ESU
 - “spending” 1,000 Microsoft Rewards points
 - US\$30
- See *Setting Up Windows 10 ESUs - For Free!*
 - https://www.youtube.com/watch?v=ERDjeKN1_Es



**Any other:
Questions
Comments
Shares?**



OPCUG PRESENTATIONS AT THE OTTAWA PUBLIC LIBRARY

Fun with Fonts - The Art and Science of Typography

Chris Taylor

Nepean CentrepoinTE, Saturday October 4, 2025 at 2:00pm

Quick PC Tips: Enhancing capabilities and performance with free tools

Chris Taylor

Richmond. Monday Oct 6, 2025 at 6:00pm

Armchair Travel - Beautiful British Columbia

Lynda Buske

Alta Vista, Thursday Oct 9, 2025 at 6:00pm

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

October Meeting



Wi-Fi Extenders, Wi-Fi Routers and Wi-Fi Mesh

Francis Chao
Tucson Computer Society

October 8, 2025
7:30 pm





No Q&A on
October 8
(Monthly Meeting)



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

SuggestionBox@opcug.ca