

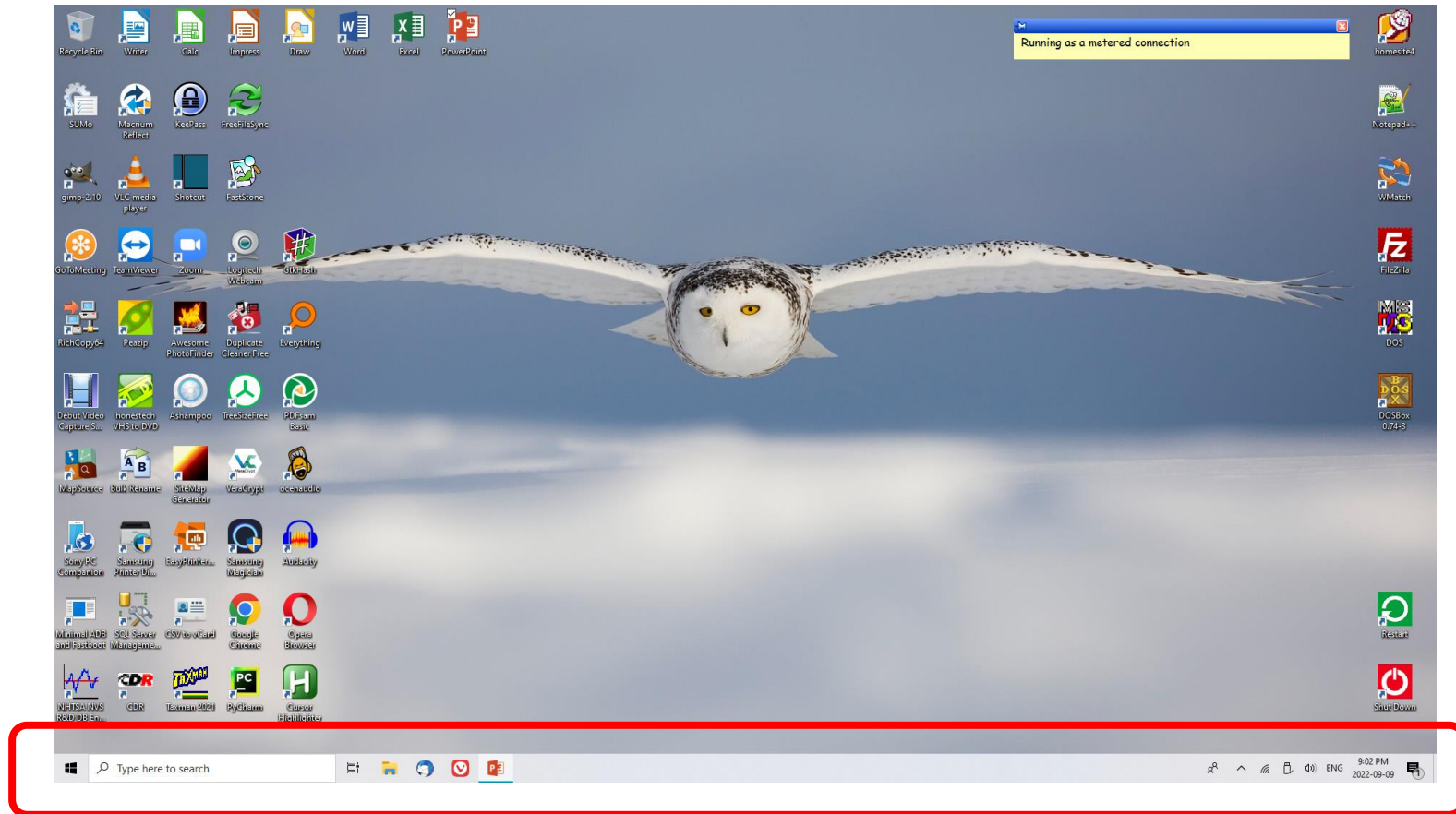


Alan German & Chris Taylor

Ottawa PC Users' Group

November 30, 2022

Customizing the Taskbar



Right-click on Taskbar

Select *Taskbar settings*

Show tou

Cascade windows

Show windows stacked

Show windows side by side

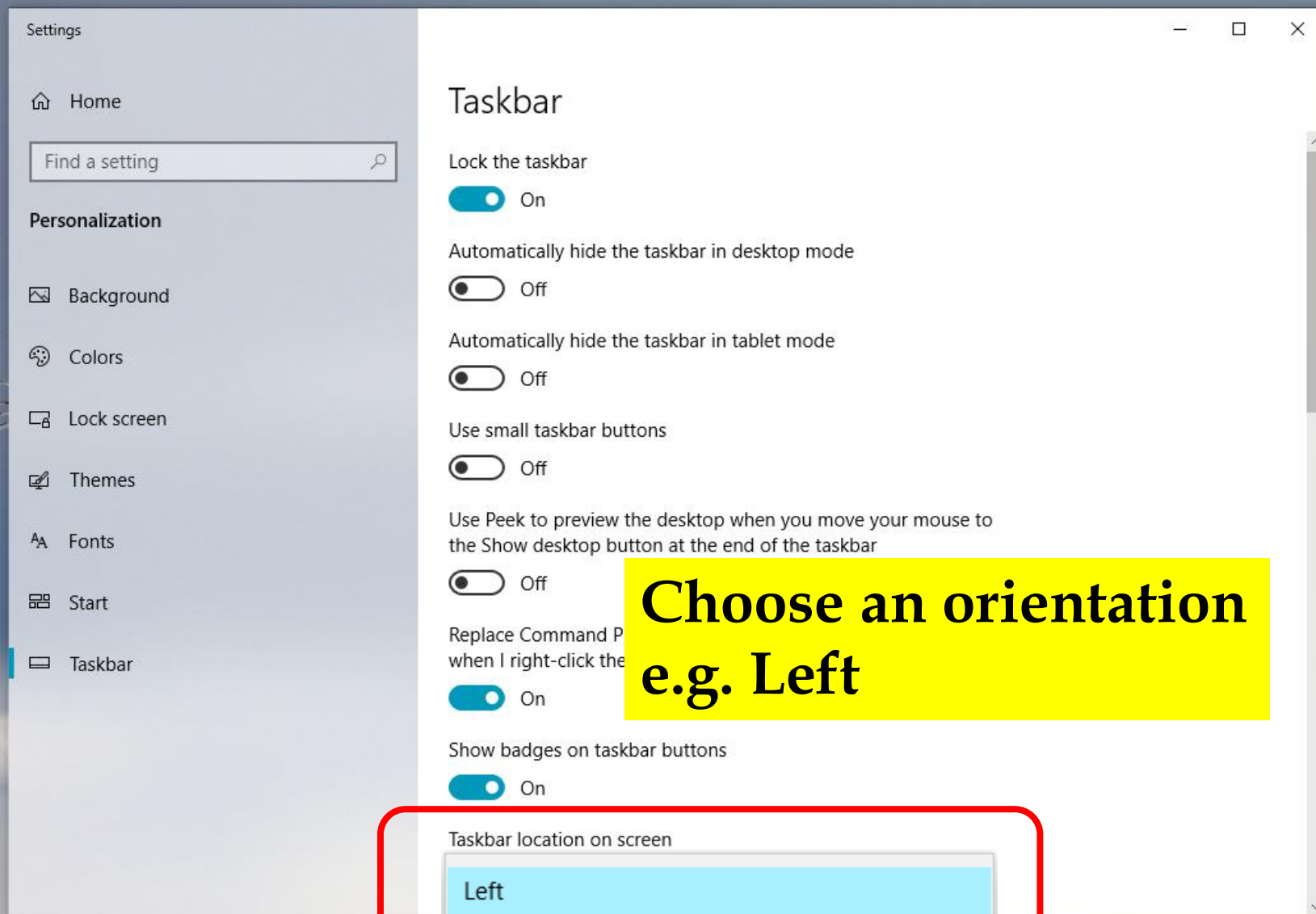
Show the desktop

Task Manager

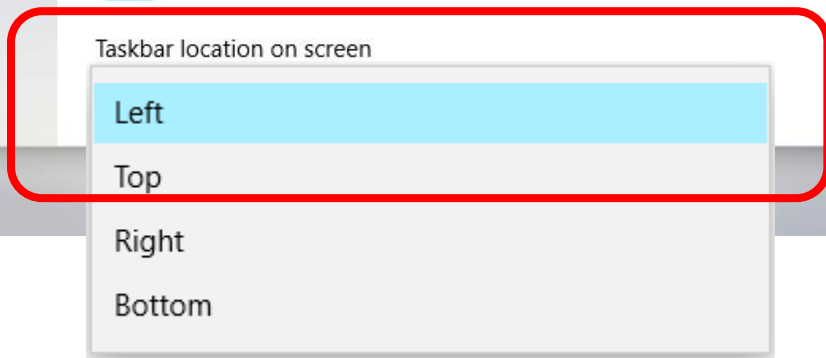
Lock all taskbars



Taskbar settings

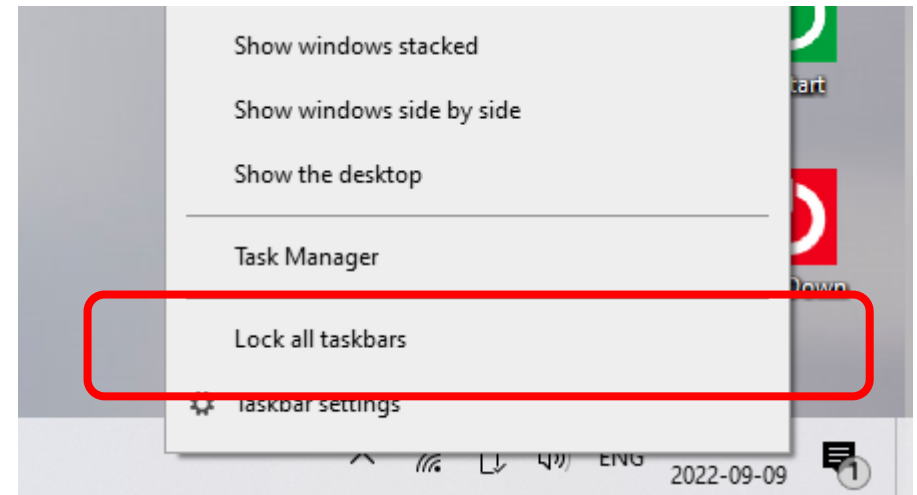


**Choose an orientation
e.g. Left**



Right-click on Taskbar

Turn off *Lock all taskbars*



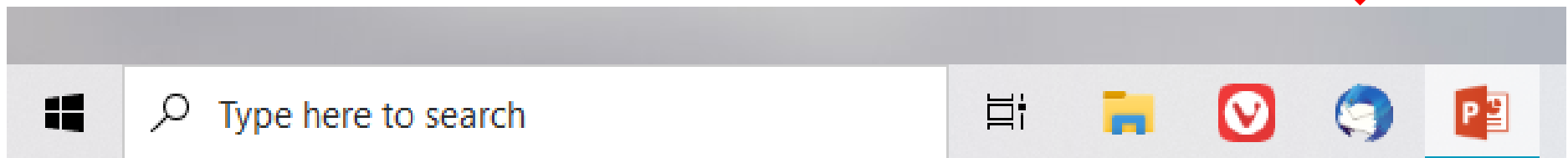
**Drag the top of the Taskbar
up the screen to expand**



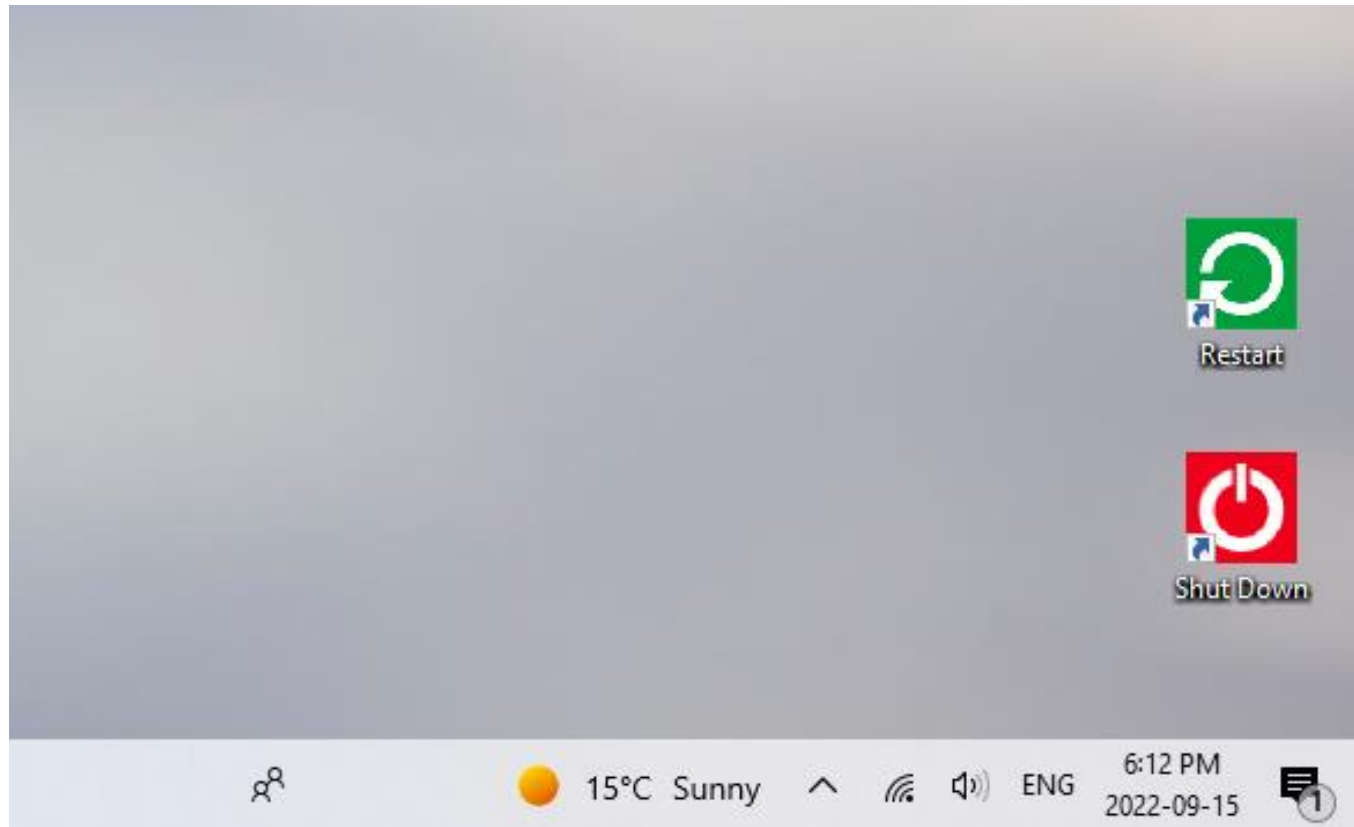
Or, maybe you would just like to re-arrange the icons...



Left-click, drag, and drop



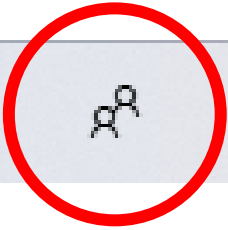
And, while we are right- (and left-) clicking...



↑
People

↑
**News and
interests**

↑
**Show Hidden
Icons**



15°C Sunny



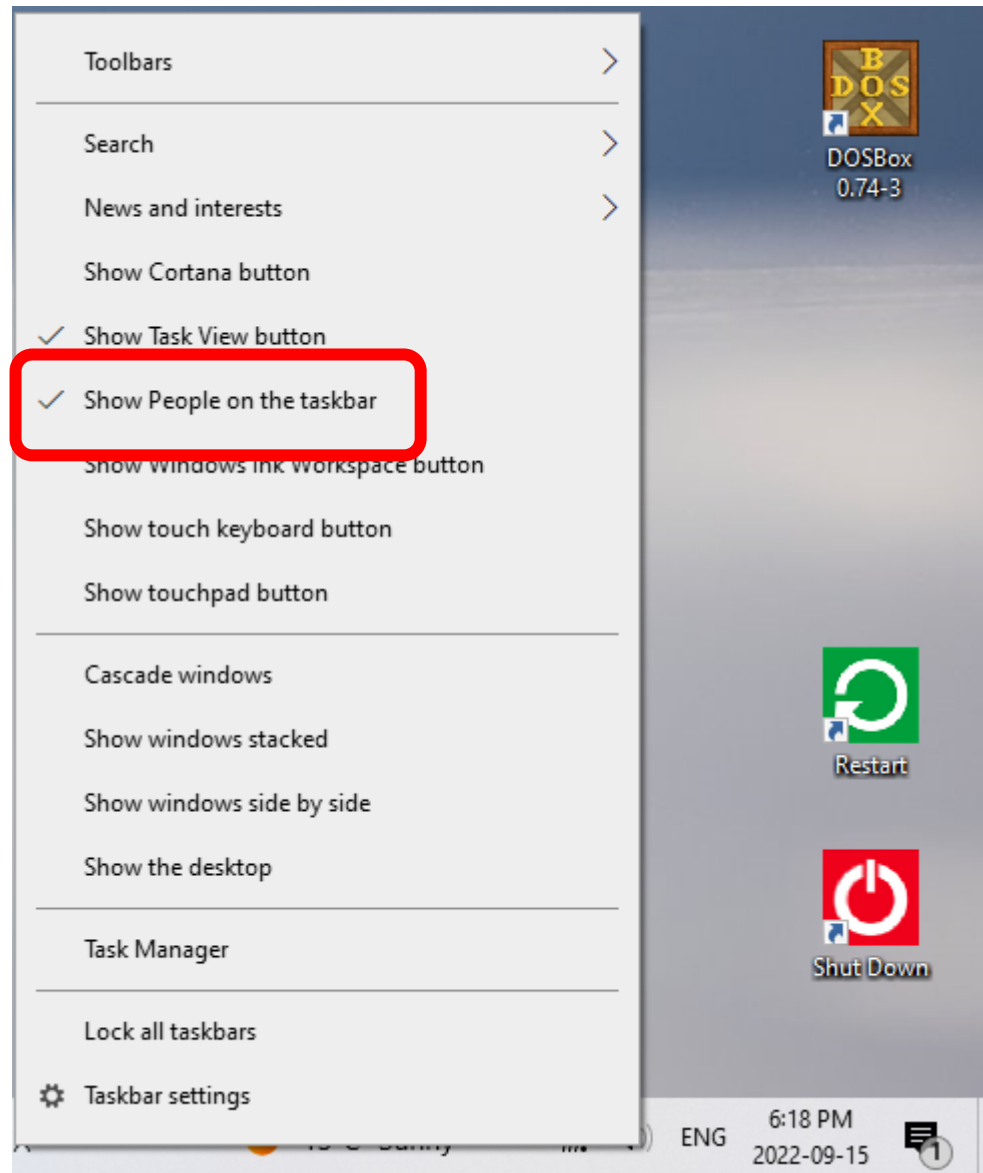
ENG

6:17 PM
2022-09-15



**Right-click
on *People***

**Uncheck
*Show People
on the taskbar***





15°C Sunny



ENG

6:17 PM

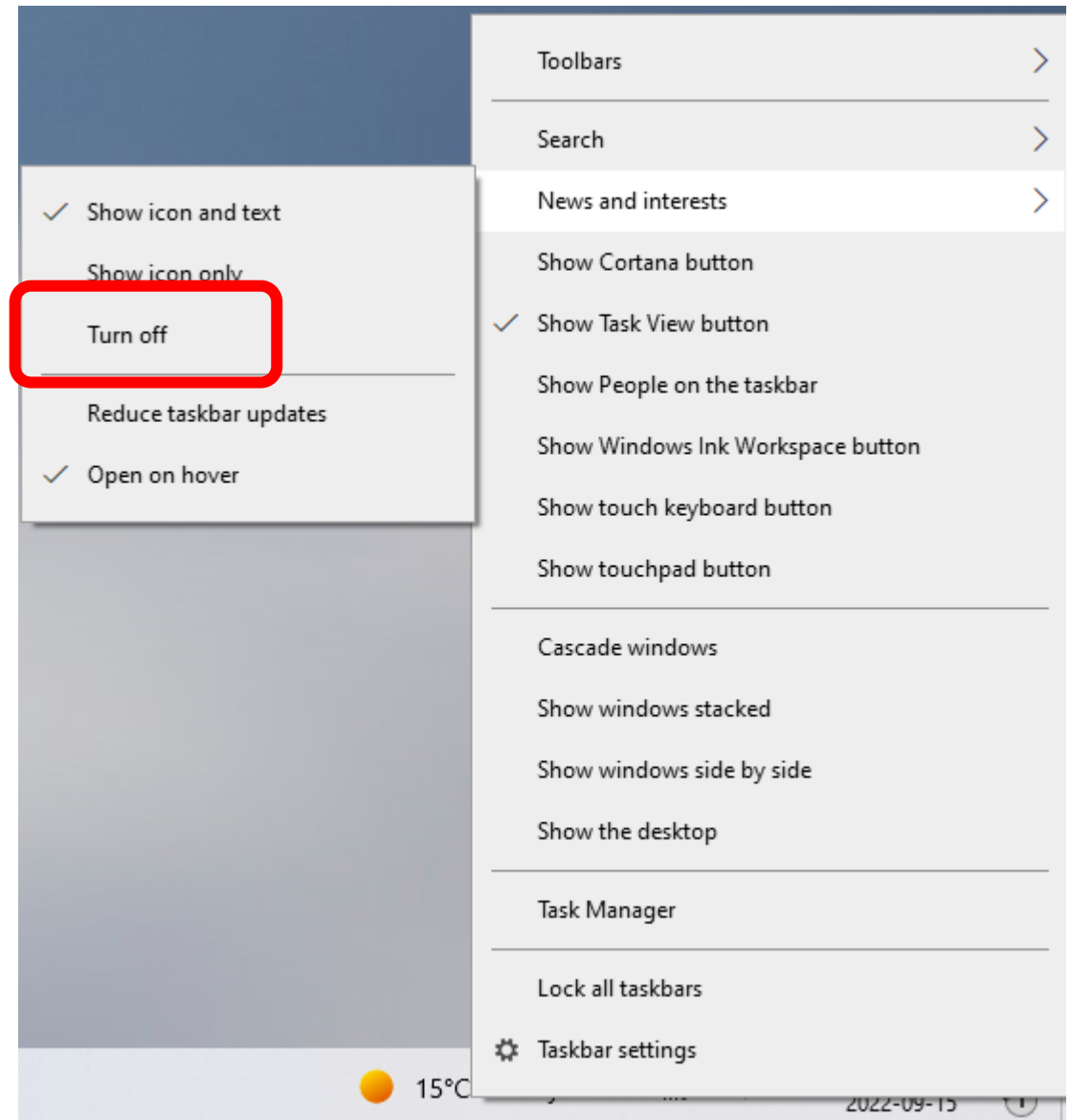
2022-09-15

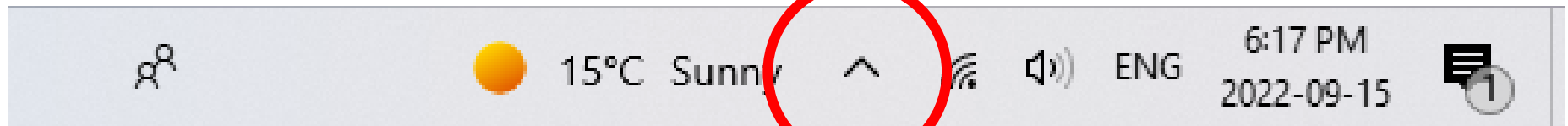


Right-click on
News and interests

Hover over
News and interests

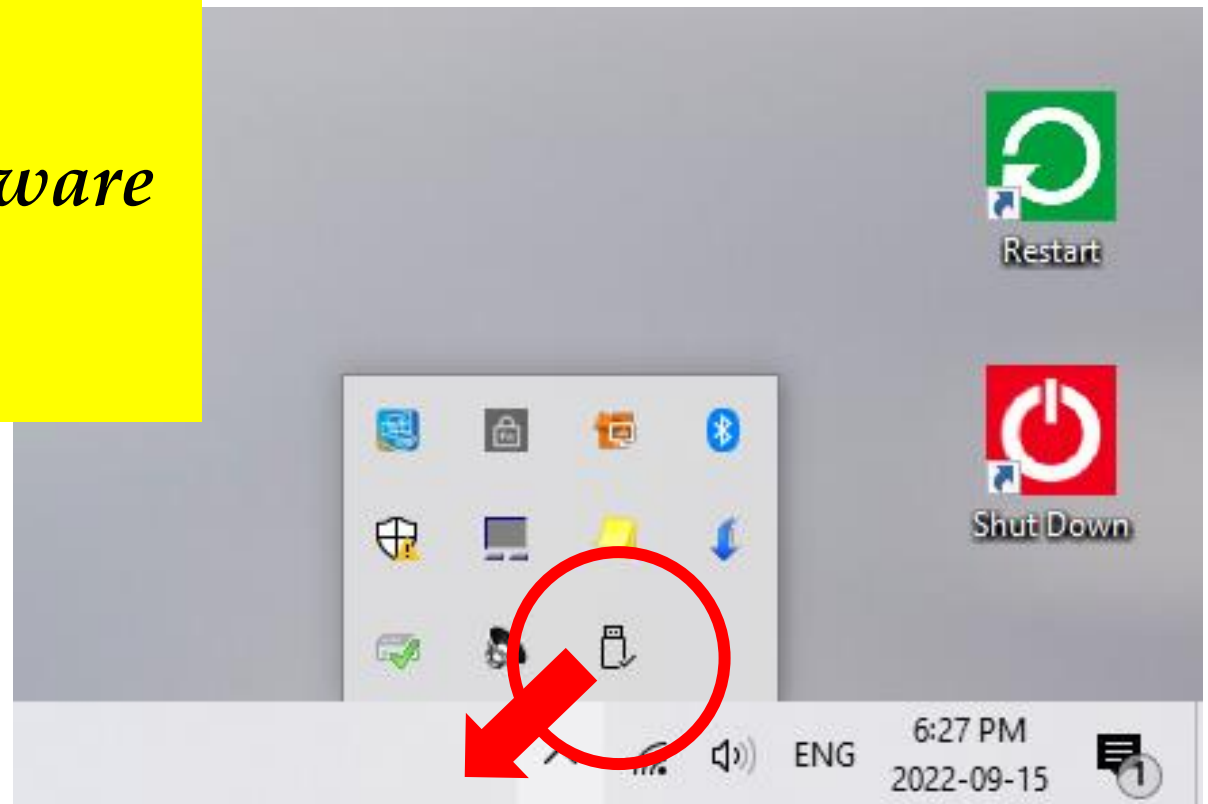
Select *Turn off*



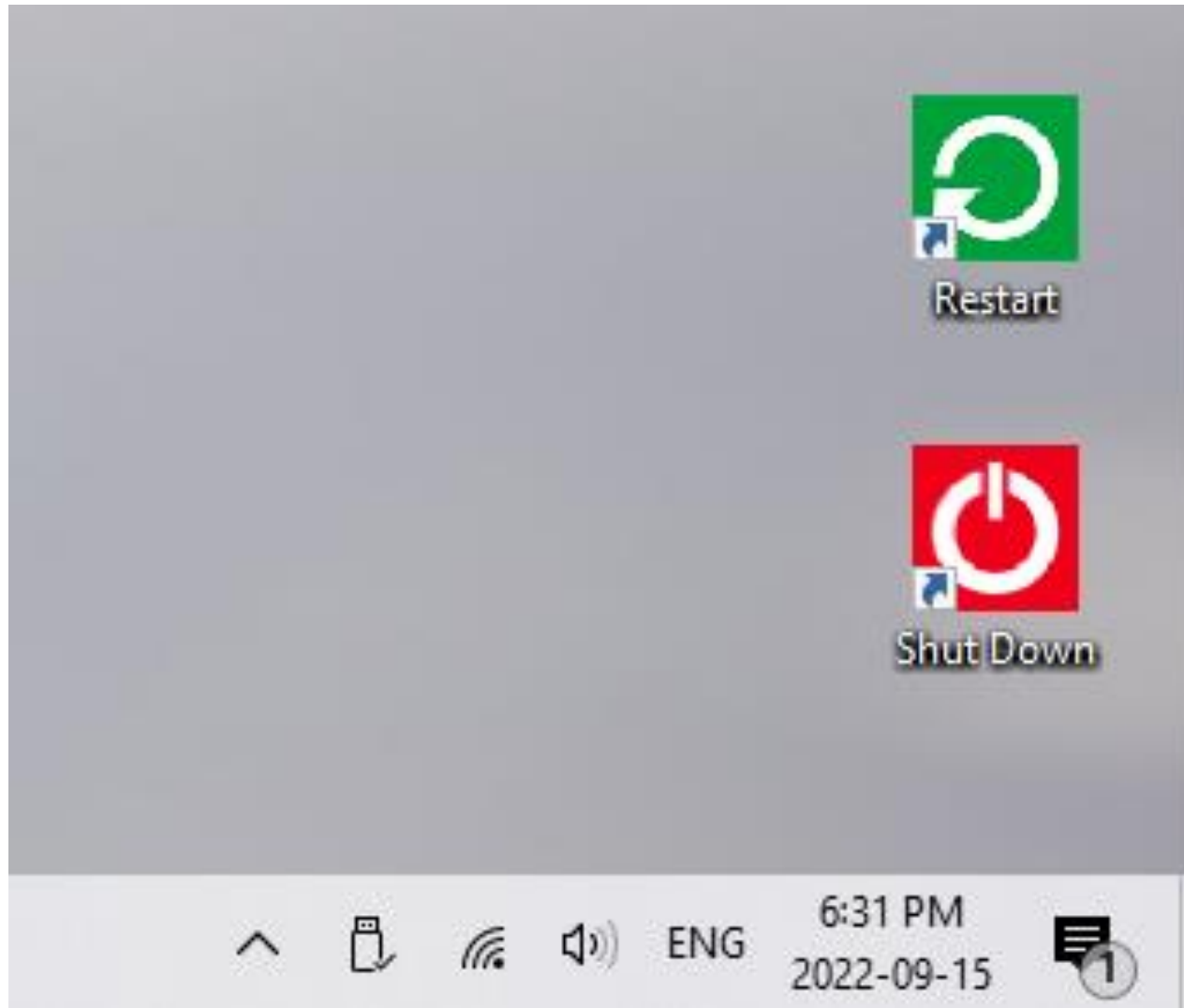


Click on
Show hidden icons

Drag
Safely Remove Hardware
and Eject Media
to the Taskbar



Refined Taskbar!





Update Microsoft Store apps



- Microsoft Store apps update themselves by default
 - well, they are *supposed* to
 - in my experience, it is hit-and-miss
 - maybe more miss than hit
- Good to check
 - settings for automatic update
 - if any apps need a manual shove

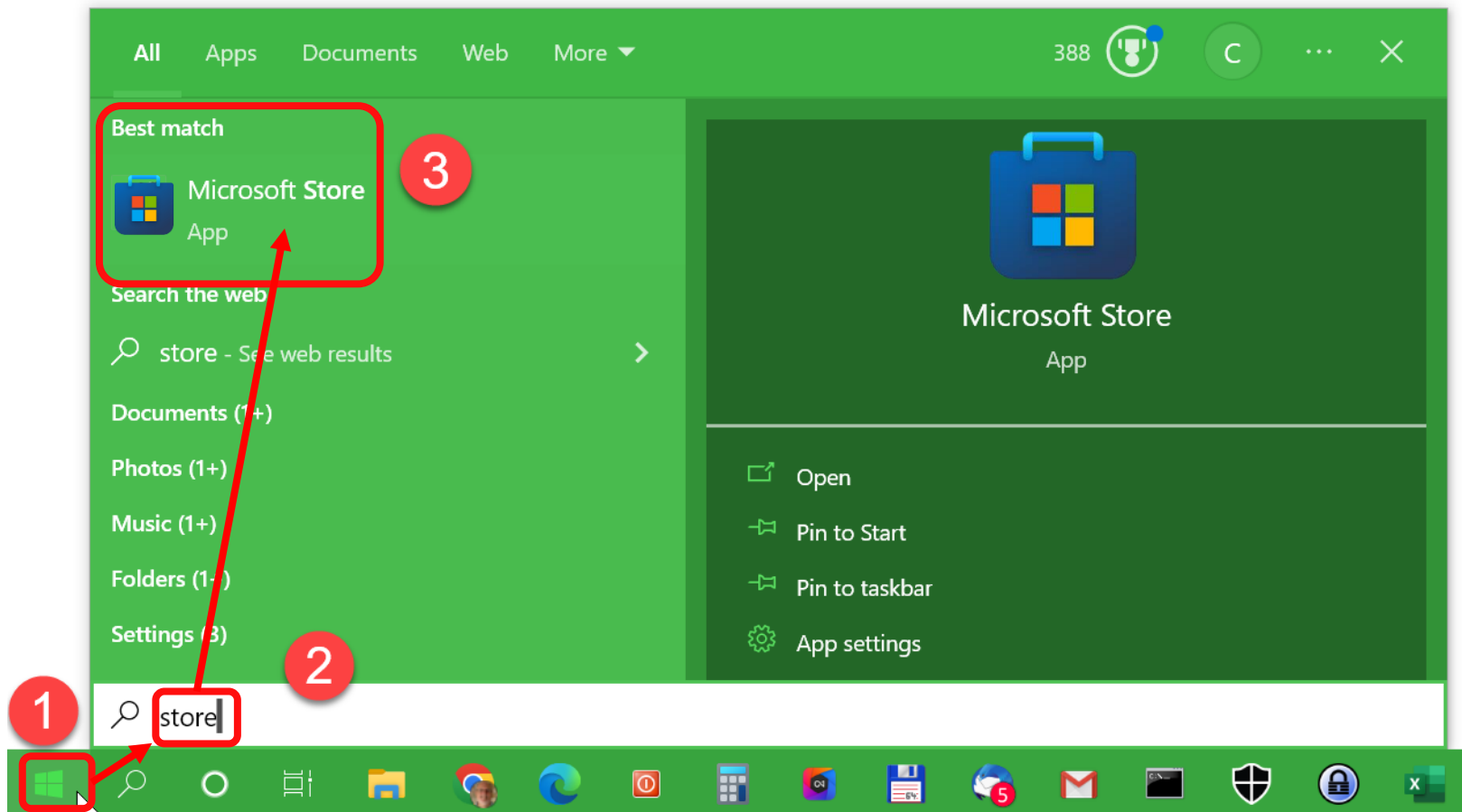
IMPORTANT



Update Microsoft Store apps



- Click the *Start* button **1** & start typing *Store* **2**
- When *Microsoft Store* appears under *Best match* **3** click it (or hit enter)



Check update settings

Search apps, games, movies and more

Home

Click profile pic

Chris Taylor
chris.taylor@opcug.ca
[Sign out](#)

Add work or school account

Manage account

Payment method

Redeem code

App settings

Click *App settings*

Search apps, games, movies and more

App settings

App updates
Update apps automatically.

Purchase sign-in
When I buy from Microsoft Store, don't ask for my password. May result in unauthorised purchases on my device. [Get more info.](#)

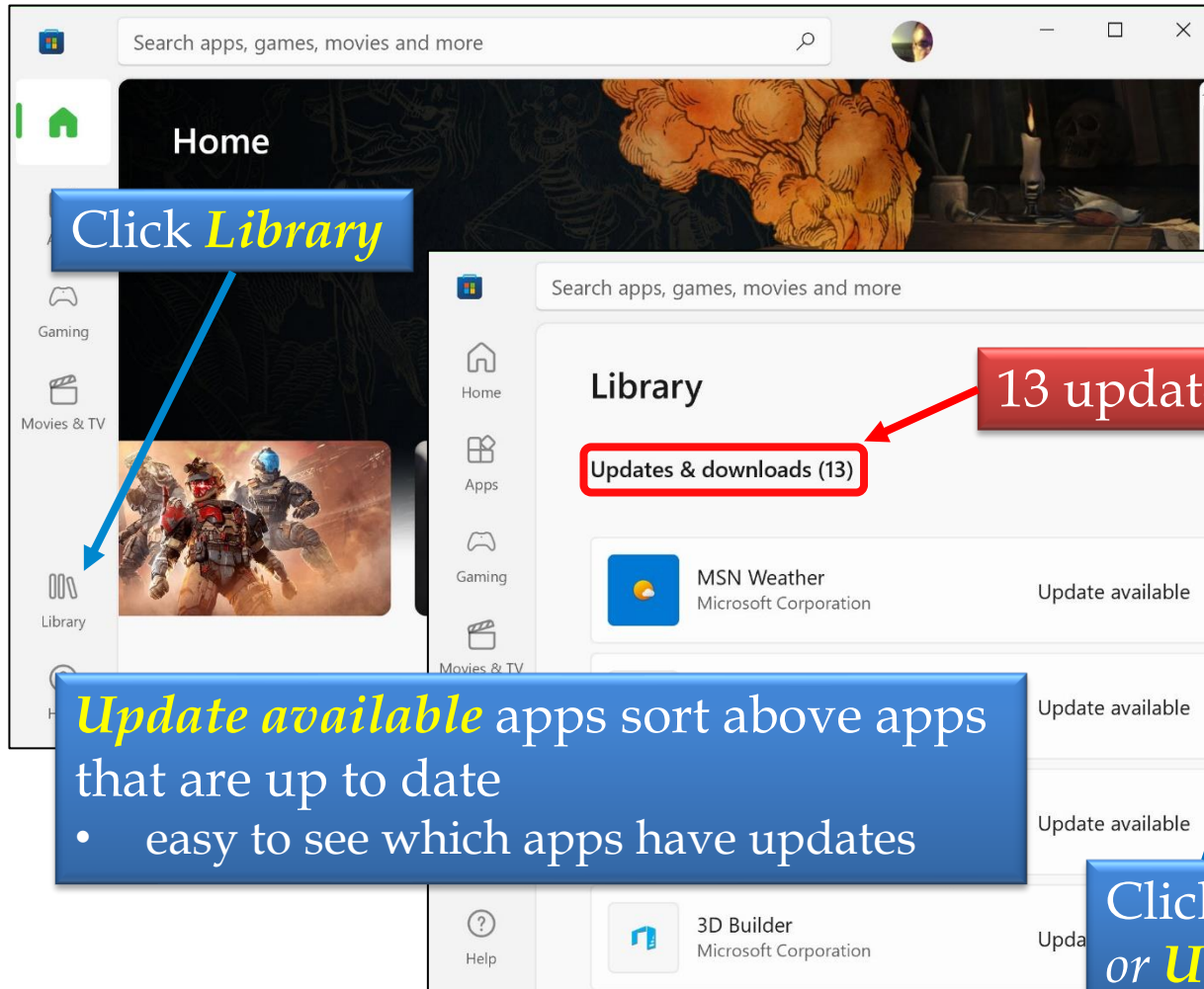
Offline permissions
Make this PC the one I use to run some games or apps that have limited licences, even when I'm offline.

Video autoplay
Play videos automatically.

Set *Update apps automatically* to on



Do any apps need updates?



Click *Get updates*
to check for new
updates to all
your Store apps

13 updates available!

Updates & downloads (13)

Update all

Get updates

Update

Update

Update

Click **Update all**
or **Update** (to update an individual app)

Lesson learned

- periodically check in **Microsoft Store** to see if any of your store apps have updates



Recycling floppy disks

- I no longer have a floppy disk drive so I was thinking of taking a bunch of floppy disks to Staples for recycling
- Most of the disks are old installation software while others have personal data files
- Is there any security risk if I gave away floppy diskettes that contain personal data (e.g. finances, family trees)?
- Should I dispose of these myself with a hammer?



A Rip 'em apart!

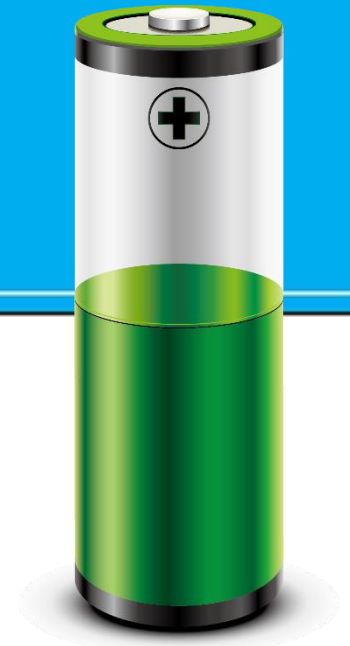
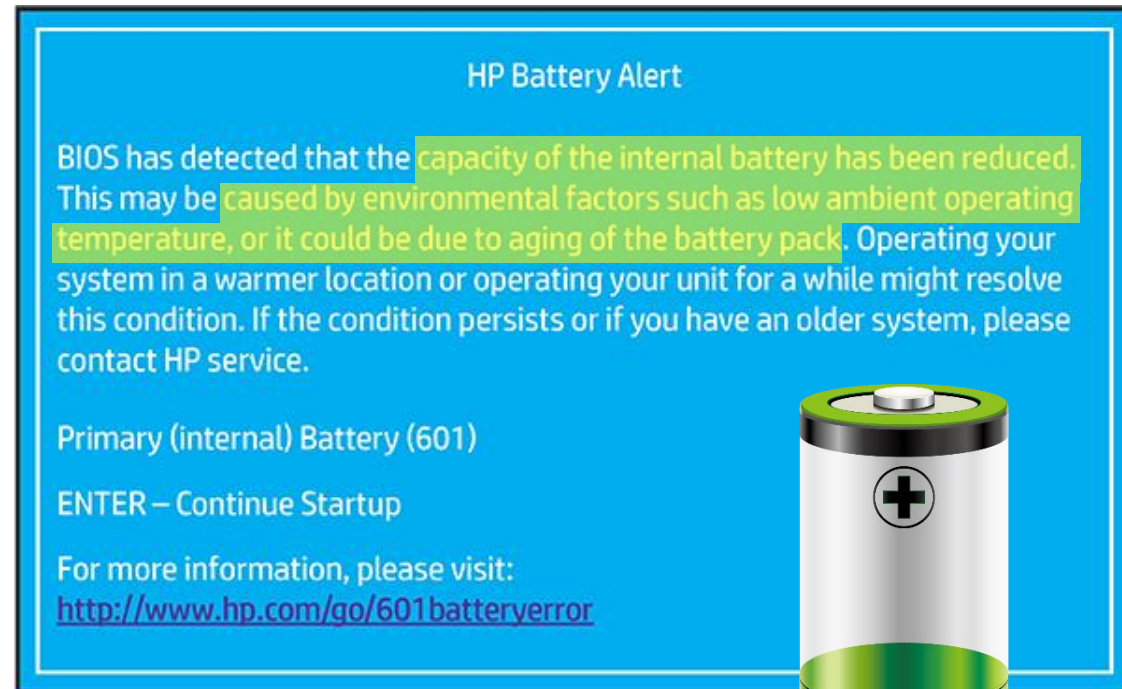
- Staples will recycle floppy disks
- No issues with commercial software
- But, destroy disks with personal data
- Break open hard plastic shell
- Disk is a plastic film with a metal hub
- Use scissors to shred the plastic film





Error message at computer startup

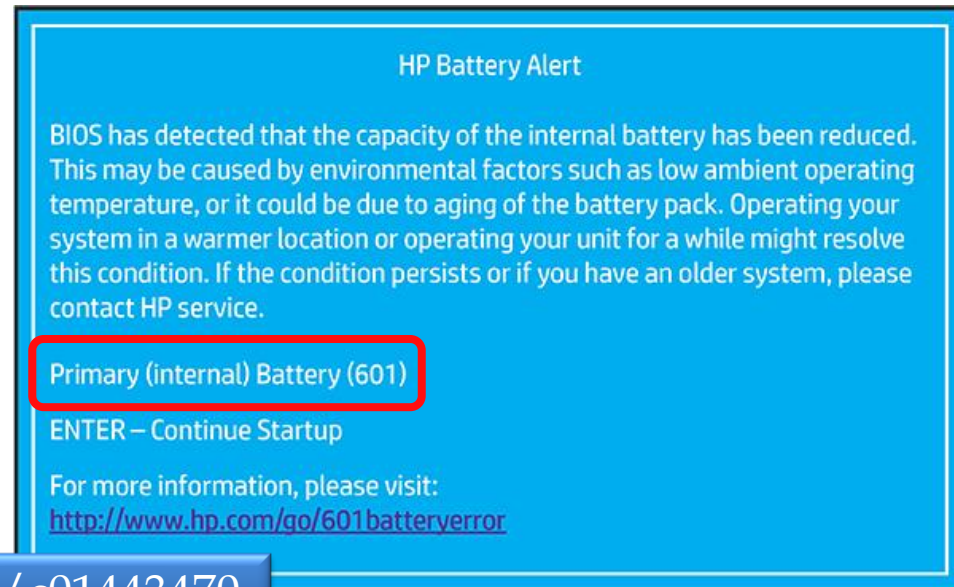
- Start-up message on HP laptop
- Computer seems to run fine, maybe a little slower
- What do I need to do?
 - don't think it is temperature related
 - will it work as long as it is plugged in?
 - will it go dark at anytime?
 - doing frequent backups, in case





Aging battery

- 601 code



<https://support.hp.com/ca-en/document/c01443470>

- *measured storage capacity of battery is less than 25% of the original storage capacity*
- *might be caused by aging of battery pack*
- Suggestions from HP
 - update BIOS (*seriously doubt this will help*)
 - test battery using HP Hardware Diagnostics
 - turn on computer & immediately press esc key to display the *Startup Menu*
 - press *System Diagnostics F2* key, & select *Battery Test* option

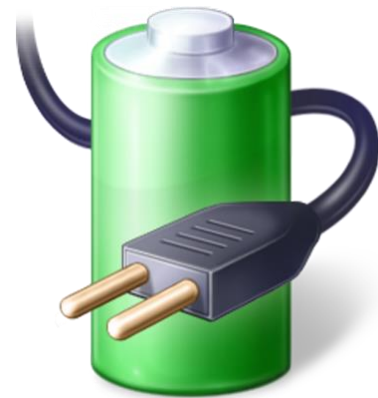


And then?

- Battery report will likely say battery needs replacing
- If battery is user replaceable
 - not likely in modern laptops
 - replace it if you want
- If battery is not user replaceable
 - get it replaced if cost effective and needed
- But you said
 - “it has been in the same spot, since I have owned it”
 - presumably plugged in all the time
- It will continue to function as long as it is plugged in



Taking care of batteries



- If left plugged in all the time
 - may lose life over period of a couple of years
- Ideally don't fully charge, don't fully discharge
 - advice not to fully charge probably impractical!
 - more practical to not leave plugged in after fully charged
- Periodically run battery down to 25% or so
- Avoid temperature extremes
- Minimize time battery is at either 100% or 0% charge
- “Fast chargers” will degrade a battery more quickly

Tips for extending the lifetime of lithium-ion batteries

<https://news.umich.edu/tips-for-extending-the-lifetime-of-lithium-ion-batteries/>

Share

MP3tag

tagging video & audio files

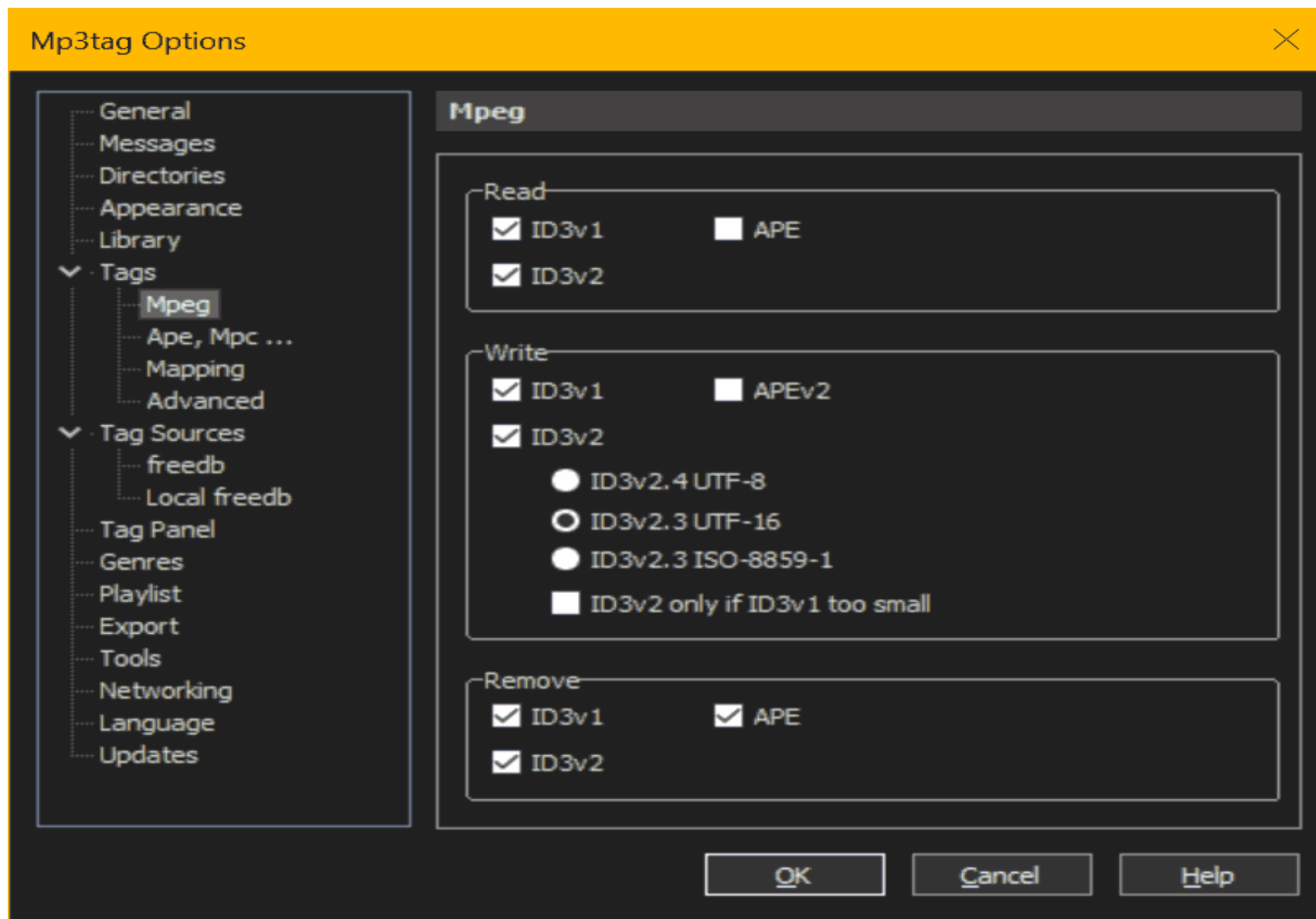
- Update tags or filenames
- Batch editing of multiple files
- RegEx (regular expressions) for replacing characters
- Online database lookups from Discogs, MusicBrainz or freedb, for tags, art
- Rename files based on the tags or vice-versa
- Export reports in HTML/RTF/CSV formats
- Full unicode support
- Track renumbering

<https://www.mp3tag.de/en/>

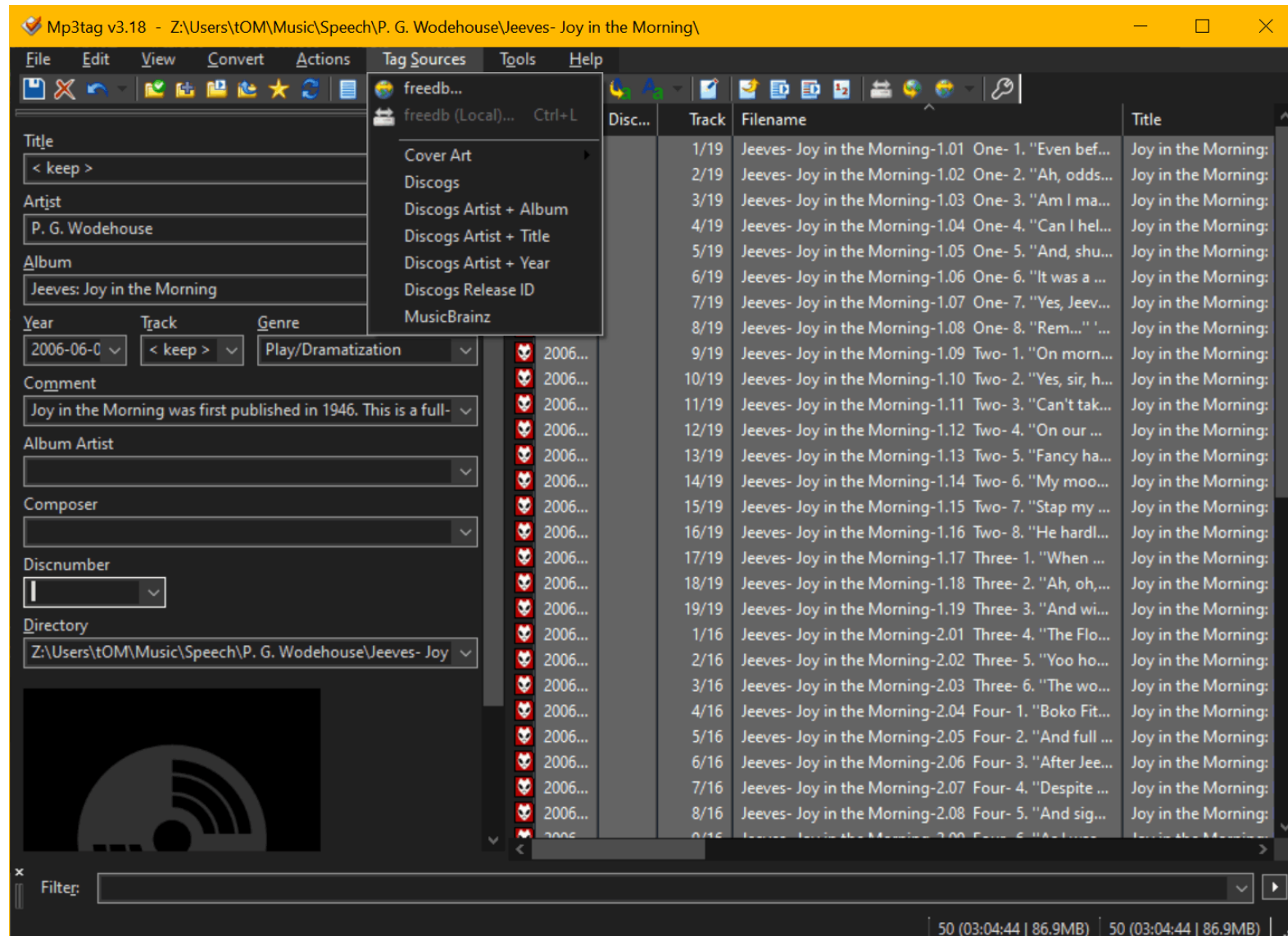
Many, many, many tags...

Album sort order	File owner/licensee	Official audio source webpage	Relative volume adjustment
Album/Movie/Show title	File type	Official internet radio station homepage	Release time
Attached picture	General encapsulated object	Original album/movie/show title	Reverb
Audio encryption	Group identification registration	Original artist(s)/performer(s)	Seek frame
Audio seek point index	Initial key	Original filename	Set subtitle
Band/orchestra/accompaniment	International Standard Recording Code (ISRC)	Original lyricist(s)/text writer(s)	Signature frame
Beats per minute (BPM)	Internet radio station name	Original release year	Size
Comments	Internet radio station owner	Ownership frame	Software/Hardware and settings used for encoding
Commercial frame	Interpreted, remixed, or otherwise modified by	Part of a set	Subtitle/Description refinement
Commercial information	Involved people list	Payment	Synchronized lyric/text
Composer	Language(s)	Performer sort order	Synchronized tempo codes
Conductor/performer refinement	Lead performer(s)/Soloist(s)	Play counter	Tagging time
Content group description	Length	Playlist delay	Terms of use
Content type	Linked information	Popularimeter	Time
Copyright message	Lyricist/Text writer	Position synchronisation frame	Title sort order
Copyright/Legal information	Media type	Private frame	Title/songname/content description
Date	Mood	Produced notice	Track number/Position in set
Encoded by	MPEG location lookup table	Publisher	Unique file identifier
Encoding time	Music CD identifier	Publishers official webpage	Unsynchronized lyric/text transcription
Encryption method registration	Musician credits list	Recommended buffer size	User defined text information frame
Equalization	Official artist/performer webpage	Recording dates	User defined URL link frame
Event timing codes	Official audio file webpage	Recording time	Year

...and multiple tag standards



There are some automatic sources



Saving common tags

The image displays three overlapping screenshots of the Mp3tag v3.18 application, illustrating the process of saving common tags.

The leftmost screenshot shows the 'Tag Sources' tab, where various tag fields are visible, including Title, Artist, Album, Year, Track, Genre, Comment, Album Artist, Composer, Discnumber, and Directory. The 'Discnumber' field is set to '< blank >'. The 'Directory' field is set to 'Z:\Users\tOM\Music\Speech\P. G. Wodehouse\Jeeves- Joy in the Morning\'. A CD icon is visible at the bottom.

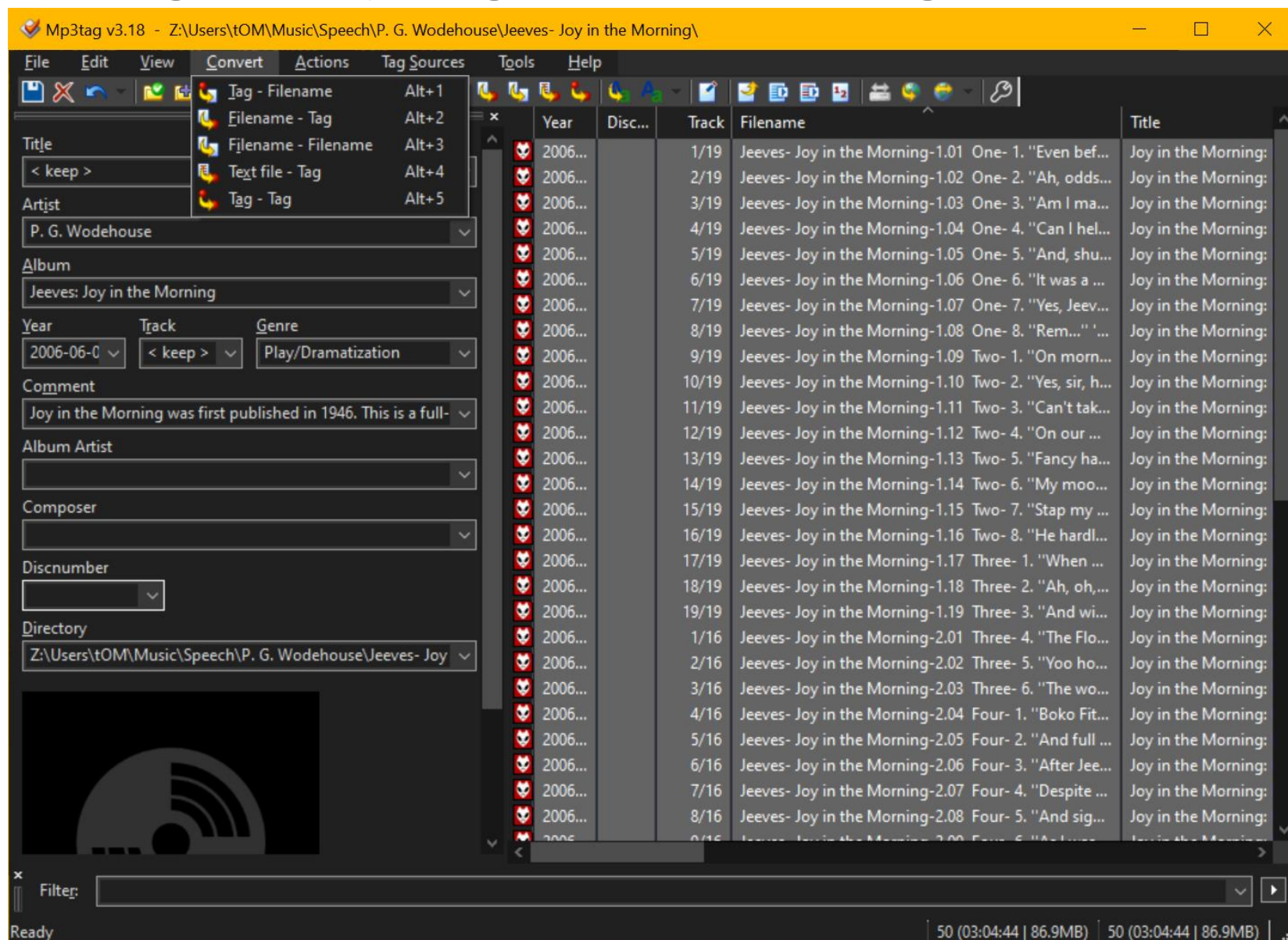
The middle screenshot shows the 'Actions' menu, which includes options such as 'Save tag' (Ctrl+S), 'Remove tag' (Ctrl+R), 'Read tag' (Ctrl+T), 'Playlist (all files)' (Ctrl+P), 'Playlist (selected files)', 'Export...' (Ctrl+E), 'Change directory...' (Ctrl+D), 'Add directory...', 'Load Playlist/Cuesheet...', 'Favorite directory' (Ctrl+F), 'Open in Explorer', 'Save configuration...', 'Open configuration folder', and 'Exit' (Alt+F4).

The rightmost screenshot shows the 'Tag Sources' tab with a table of tracks. The table has columns for Year, Disc..., Track, Filename, and Title. The tracks are listed as follows:

Year	Disc...	Track	Filename	Title
2006...	1/3	1/19	Jeeves- Joy in the Morning-1.01	One- 1. "Even bef...
2006...	1/3	2/19	Jeeves- Joy in the Morning-1.02	One- 2. "Ah, oc...
2006...	1/3	3/19	Jeeves- Joy in the Morning-1.03	One- 3. "Am I r...
2006...	1/3	4/19	Jeeves- Joy in the Morning-1.04	One- 4. "Can I l...
2006...	1/3	5/19	Jeeves- Joy in the Morning-1.05	One- 5. "And, s...
2006...	1/3	6/19	Jeeves- Joy in the Morning-1.06	One- 6. "It was...
2006...	1/3	7/19	Jeeves- Joy in the Morning-1.07	One- 7. "Yes, Je...
2006...	1/3	8/19	Jeeves- Joy in the Morning-1.08	One- 8. "Rem...
2006...	1/3	9/19	Jeeves- Joy in the Morning-1.09	Two- 1. "On mo...
2006...	1/3	10/19	Jeeves- Joy in the Morning-1.10	Two- 2. "Yes, si...
2006...	1/3	11/19	Jeeves- Joy in the Morning-1.11	Two- 3. "Can't b...
2006...	1/3	12/19	Jeeves- Joy in the Morning-1.12	Two- 4. "On ou...
2006...	1/3	13/19	Jeeves- Joy in the Morning-1.13	Two- 5. "Fancy...
2006...	1/3	14/19	Jeeves- Joy in the Morning-1.14	Two- 6. "My m...
2006...	1/3	15/19	Jeeves- Joy in the Morning-1.15	Two- 7. "Stap n...
2006...	1/3	16/19	Jeeves- Joy in the Morning-1.16	Two- 8. "He har...
2006...	1/3	17/19	Jeeves- Joy in the Morning-1.17	Three- 1. "Whe...
2006...	1/3	18/19	Jeeves- Joy in the Morning-1.18	Three- 2. "Ah, v...
2006...	1/3	19/19	Jeeves- Joy in the Morning-1.19	Three- 3. "And...
2006...	2/3	1/16	Jeeves- Joy in the Morning-2.01	Three- 4. "The f...
2006...	2/3	2/16	Jeeves- Joy in the Morning-2.02	Three- 5. "Yoo I...
2006...	2/3	3/16	Jeeves- Joy in the Morning-2.03	Three- 6. "The v...
2006...	2/3	4/16	Jeeves- Joy in the Morning-2.04	Four- 1. "Boko...
2006...	2/3	5/16	Jeeves- Joy in the Morning-2.05	Four- 2. "And f...
2006...	2/3	6/16	Jeeves- Joy in the Morning-2.06	Four- 3. "After...
2006...	2/3	7/16	Jeeves- Joy in the Morning-2.07	Four- 4. "Despi...
2006...	2/3	8/16	Jeeves- Joy in the Morning-2.08	Four- 5. "And s...
2006...	2/3	9/16	Jeeves- Joy in the Morning-2.09	Four- 6. "Aa...t...

The bottom status bar of the application shows 'Save current settings in a configuration file.' and a timer '50 (03:04:44 | 86.9MB)'.

Editing/Copying between tags/ilenames



Renumber tracks in multi-disk albums

The image displays two screenshots of the Mp3tag v3.18 software interface, illustrating the process of renumbering tracks in a multi-disk album.

Left Screenshot: The main window shows the 'Tools' menu with 'Auto-numbering wizard...' selected. The 'Discnumber' field in the left sidebar is highlighted with a pink circle.

Right Screenshot: The 'Auto-numbering wizard' dialog box is open. The 'Discnumber' field is highlighted with a pink circle. The dialog shows a list of tracks with their current and proposed new numbers.

Year	Disc...	Track	Filename	Title
2006...		01/50	Jeeves- Joy in the Morning-1.01 One- 1. "Even bef...	Joy in the Morning:
2006...		02/50	Jeeves- Joy in the Morning-1.02 One- 2. "Ah, odds...	Joy in the Morning:
2006...		03/50	Jeeves- Joy in the Morning-1.03 One- 3. "Am I ma...	Joy in the Morning:
2006...		04/50	Jeeves- Joy in the Morning-1.04 One- 4. "Can I hel...	Joy in the Morning:
2006...		05/50	Jeeves- Joy in the Morning-1.05 One- 5. "And, shu...	Joy in the Morning:
2006...		06/50	Jeeves- Joy in the Morning-1.06 One- 6. "It was a ...	Joy in the Morning:
2006...		07/50	Jeeves- Joy in the Morning-1.07 One- 7. "Yes, Jeev...	Joy in the Morning:
2006...		08/50	Jeeves- Joy in the Morning-1.08 One- 8. "Rem..." '...	Joy in the Morning:
2006...		09/50	Jeeves- Joy in the Morning-1.09 Two- 1. "On morn...	Joy in the Morning:
2006...		10/50	Jeeves- Joy in the Morning-1.10 Two- 2. "Yes, sir, h...	Joy in the Morning:
2006...		11/50	Jeeves- Joy in the Morning-1.11 Two- 3. "Can't tak...	Joy in the Morning:
2006...		12/50	Jeeves- Joy in the Morning-1.12 Two- 4. "On our ...	Joy in the Morning:
2006...		13/50	Jeeves- Joy in the Morning-1.13 Two- 5. "Fancy ha...	Joy in the Morning:
2006...		14/50	Jeeves- Joy in the Morning-1.14 Two- 6. "My moo...	Joy in the Morning:
2006...		15/50	Jeeves- Joy in the Morning-1.15 Two- 7. "Stap my ...	Joy in the Morning:
2006...		16/50	Jeeves- Joy in the Morning-1.16 Two- 8. "He hardl...	Joy in the Morning:
2006...		17/50	Jeeves- Joy in the Morning-1.17 Three- 1. "When ...	Joy in the Morning:
2006...		18/50	Jeeves- Joy in the Morning-1.18 Three- 2. "Ah, oh, ...	Joy in the Morning:
2006...		19/50	Jeeves- Joy in the Morning-1.19 Three- 3. "And wi...	Joy in the Morning:
2006...		20/50	Jeeves- Joy in the Morning-2.01 Three- 4. "The Flo...	Joy in the Morning:
2006...		21/50	Jeeves- Joy in the Morning-2.02 Three- 5. "Yoo ho...	Joy in the Morning:
2006...		22/50	Jeeves- Joy in the Morning-2.03 Three- 6. "The wo...	Joy in the Morning:
2006...		23/50	Jeeves- Joy in the Morning-2.04 Four- 1. "Boko Fit...	Joy in the Morning:
2006...		24/50	Jeeves- Joy in the Morning-2.05 Four- 2. "And full ...	Joy in the Morning:
2006...		25/50	Jeeves- Joy in the Morning-2.06 Four- 3. "After Jee...	Joy in the Morning:
2006...		26/50	Jeeves- Joy in the Morning-2.07 Four- 4. "Despite ...	Joy in the Morning:
2006...		27/50	Jeeves- Joy in the Morning-2.08 Four- 5. "And sig...	Joy in the Morning:
2006...		28/50	Jeeves- Joy in the Morning-2.09 Four- 6. "Yes, I ...	Joy in the Morning:

Runs the automatic track- and disc-numbering wizard.

Saved tag in 50 of 50 files.

50 (03:04:44 | 86.9MB) | 50 (03:04:44 | 86.9MB)

What I use... so little

- Save artist, album, year, comment, ... to **all** tracks
- Copy filenames to titles for all tracks
 - title is often “CD Track 01” etc., which is not very descriptive
- Renumber tracks in multiple-disk albums/audiobooks
- Fix any other problems

<https://www.mp3tag.de/en/>

Ottawa PC Users' Group

Q&A Session

Video Cable Tangle

Why oh why the differences?

OPCUG



Users helping users
for over 40 years

Display Port



DisplayPort cables are similar to HDMI, but HDMI connectors also have audio return channels. DisplayPorts connect computer monitors and other home electronics like theater systems.



Mini DisplayPort cables is another offering from Apple and intended to be an alternative to HDMI. They are for use with computer displays. Also used by Dell in the 2015's for their smaller docking stations.

Display Port cables are optimized for up to 25 feet.

Display Port



- DisplayPort 1.2 has long been able to carry 3,840 x 2,160-resolution video at 60fps (or a refresh rate of 60Hz)
- 1.3 and 1.4 version, that both have a maximum data rate of 25.92 Gbits/sec, allows for higher resolutions such as 7,680 x 4,320 (8K)

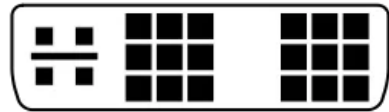
Can output to multiple displays through Multi-Stream Transport (MST). You can do this by daisy-chaining compatible monitors over DisplayPort or by connecting a DisplayPort MST splitter to your single DisplayPort output on your PC or laptop. You have to work within the bandwidth limitations of whichever DisplayPort specification you're using, such as two 1,920 x 1,080 monitors over 1.2 or two 3,840 x 2,160 displays over the DisplayPort 1.3+ specification. As such, DisplayPort is often a great choice for those looking to use multiple monitors.

DVI

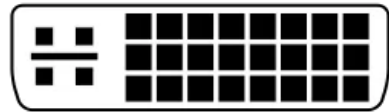


DVI—or Digital Visual Interface—video cables are standard with computer video cards. Five variations exist: DVI-I single link and dual-link, DVI-D single and dual-link, and DVI-A.

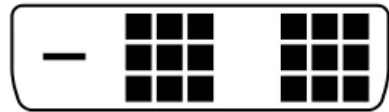
There's DVI-A (analog signal), DVI-D (digital signal) and DVI-I (integrated analog and digital signal). Not only that, but DVI-D and DVI-I have single-link and dual-link versions. Nowadays, DVI-A is very uncommon, as it's no better than VGA.



DVI-I (Single Link)



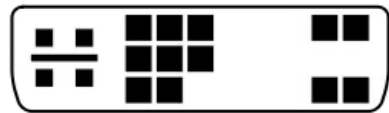
DVI-I (Dual Link)



DVI-D (Single Link)



DVI-D (Dual Link)



DVI-A

DVI connections

The differences between single-link and dual-link refer to how much bandwidth the cable can carry. A single-link DVI-D or DVI-I cable can carry 3.96 Gbit/s, which tops out at 1,920 x 1,200 resolution. Dual-link, on the other hand, physically has extra pins on the connectors, allowing a maximum bandwidth of 7.92 Gbit/s and 2,560 x 1,600 resolution.

DVI - 15 METERS (49 FEET, DIGITAL); 5 METERS (ANALOG)

HDMI



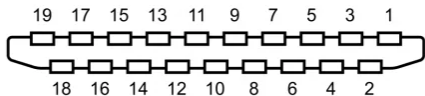
HDMI—or High-Definition Multimedia Interface—cables are the newest and most common household cable. They come in three types of video connectors; Type D (micro), Type C (mini), and type A (the largest). In addition to being a type of cord, [HDMI](#) is also a technology standard for audio and video content.

HDMI – With the proper digital boosters, HDMI can transmit over 100 feet. But the standard HDMI cable is typically 3', 6', 12', or 25 feet.

HDMI



- Most common
- Carry both uncompressed video & audio
- Control numerous devices with remote
- HDMI 1.4, 24 fps 24fps was possible at 4K resolution (3,840 x 2,160, 10.2 Gps/s, 8 bit colour
- HDMI 2.0, 60fps at 4K resolution is possible. This also allows you to view 144Hz at 1080p (1,920 x 1,080), 10 – 12 bit



VGA

2 pack



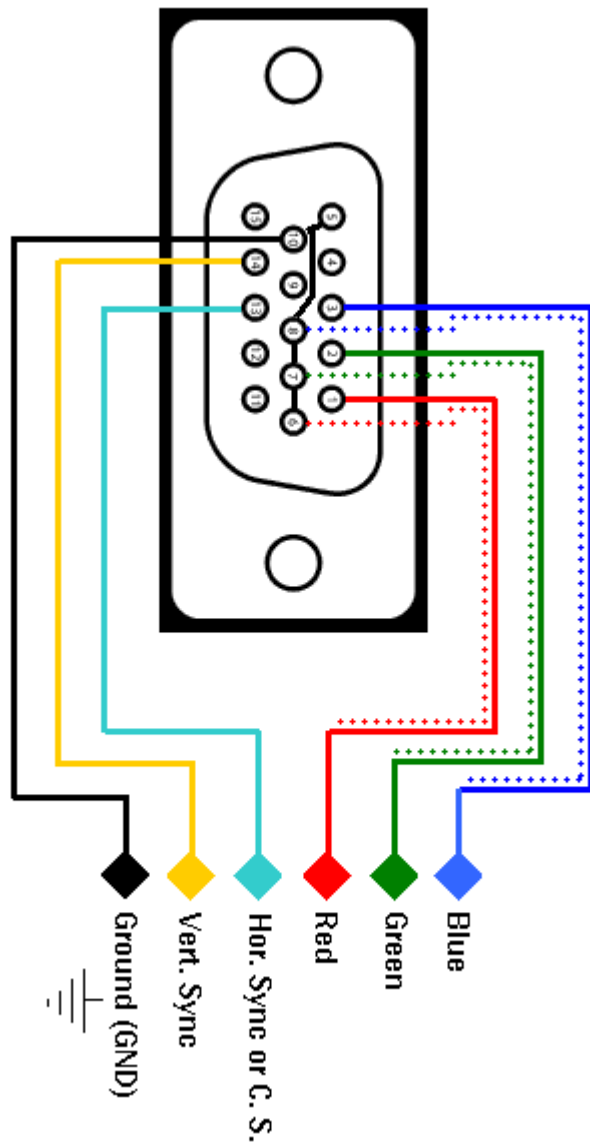
VGA - 150 FEET
(REGULAR); 650 FEET
(WITH EXTENDER)

VGA is an analog signal and will get weaker over longer distances. For high-quality video, the maximum recommended distance is 25 feet. From 26-100', mid-level quality video will be received. Past 100', the video resolution will be low-quality.

VGA (Video Graphics Array) Cable – This cable is the most common video cable for transferring data from a computer or even a TV that has a VGA connection. The cable transmits video only and has 15 pins with three rows of five connections each to plug into the devices easily.

The VGA cable can transmit high-quality video images from 15-30 feet. Although they can have longer lengths, the image quality begins to decrease.

VGA



VGA is the oldest of the connections outlined in this article. It's been around for decades, dating back to the days of thick, heavy CRT monitors of yesteryear. VGA stands for Video Graphics Array but can also be referred to as an "RGB connection" or "D-sub".

While VGA can technically output to 1,920 x 1,080, the problem is that it's an analog connection, so as you push the resolution higher you get image degradation as the signal is converted from analog to digital.

Contributors

- [20 Different Types of Video Cables Explained \(Unravel the Cable Conundrum\)](#)
- [HDMI vs DisplayPort vs DVI vs VGA vs USB-C: Every connection explained plus how to get 144Hz](#)
- [https://www.showmecables.com/blog/post/cable-distance-limits-audio-video#:~:text=VGA%20%2D%20150%20feet%20\(regular\)%3B,resolution%20will%20be%20low%2Dquality.](https://www.showmecables.com/blog/post/cable-distance-limits-audio-video#:~:text=VGA%20%2D%20150%20feet%20(regular)%3B,resolution%20will%20be%20low%2Dquality.)



WPA3 and WiFi 6

- I have a new WiFi 6 router
- WPS will be disabled if I select WPA3 security settings
- Certain devices (e.g. scanner, printer) may not function with WPA3
- Is this information accurate or does one have to conduct a trial-and-error approach?
- Some websites may not function properly – is this accurate?
- While seeking answers, my router setting is left at WPA2

Orion Clark



**Any other:
Questions
Comments
Shares?**

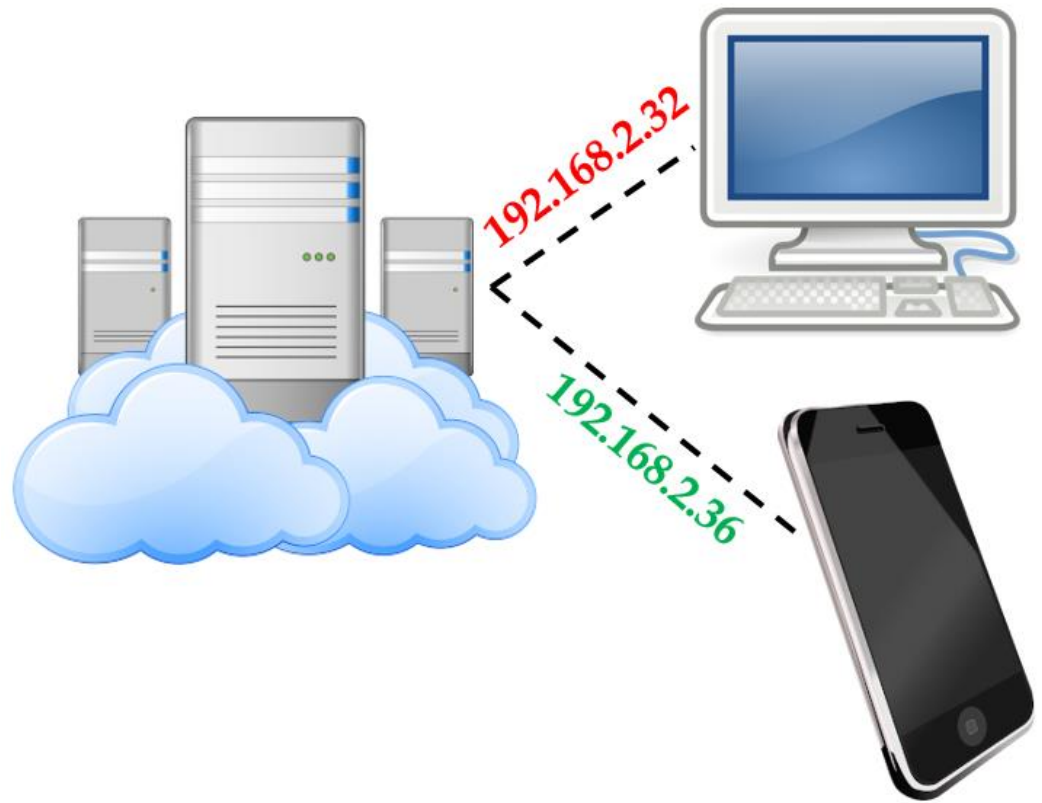
December Meeting



TCP/IP Overview

Stéphane Richard
OPCUG

December 14, 2022
7:30 pm





Ottawa Food Bank
La Banque d'Alimentation d'Ottawa

At past December meetings we have often supported the Ottawa Food Bank with food and cash donations.

Now we are on-line it's up to YOU to continue the tradition!

Most needed items include:

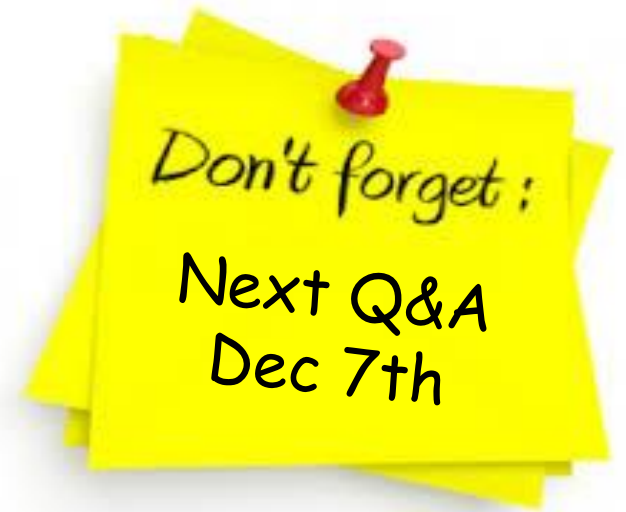
Rice, Pasta, Pasta Sauce, Canned Meat and Fish, Canned Fruit and Vegetables, Stew, Chili, Peanut Butter, Diapers, and Cash.

Donate at:

1317 Michael Street, Ottawa

or

<https://www.ottawafoodbank.ca/donate/>



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

SuggestionBox@opcug.ca

