



Alan German & Chris Taylor

Ottawa PC Users' Group

August 10, 2022

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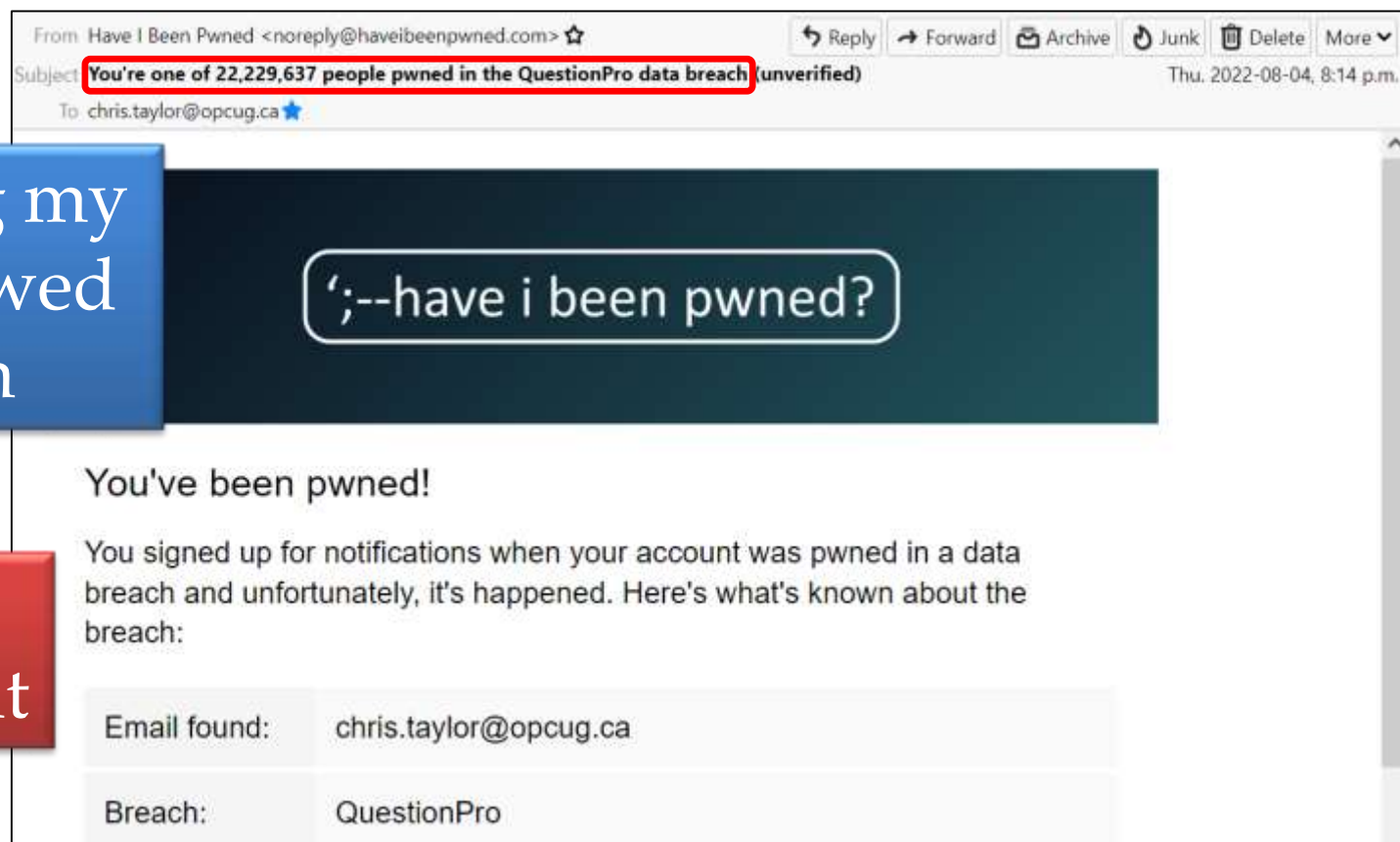
Data breaches



<https://haveibeenpwned.com/>

- can report if your email address shows up in a data breach
- <https://opcug.ca/Articles/1912NEWS.pdf>

Rec'd email saying my email address showed up in a data breach



Don't panic
...but look into it

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Site breach?

'--have i been pwned?

You've been pwned!

You signed up for notifications when your account was pwned in a data breach and unfortunately, it's happened. Here's what's known about the breach:

Email found:	chris.taylor@opcug.ca
Breach:	QuestionPro
Date of breach:	21 May 2022
Number of accounts:	22,229,637
Compromised data:	Browser user agent details, Email addresses, IP addresses, Survey results
Description:	In May 2022, the survey website QuestionPro was the target of an extortion attempt relating to an alleged data breach. Over 100GB of data containing 22M unique email addresses (some of which appear to be generated by the platform), are alleged to have been extracted from the service along with IP addresses, browser user agents and results relating to surveys. QuestionPro would not confirm whether a breach had occurred (although they did confirm they were the target of an extortion attempt), so the data has been flagged as "unverified" and may

Yup, that's me

Site of breach

- I don't recognize this site

What was compromised?

Maybe not breached

and results relating to surveys. QuestionPro would not confirm whether a breach had occurred (although they did confirm they were the target of an extortion attempt)

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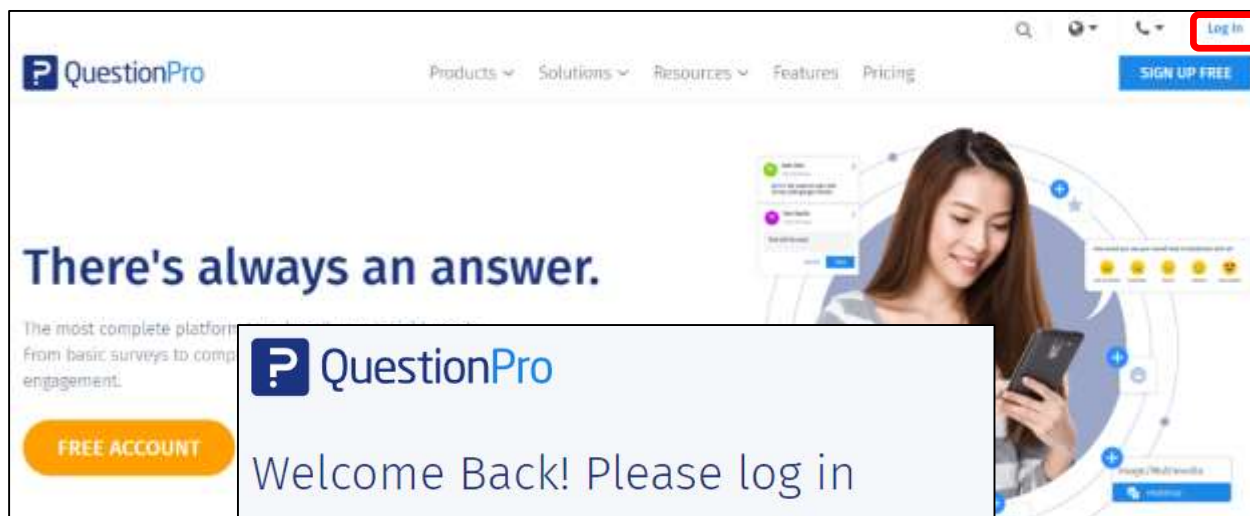
Check it out

Check Keepass

- no entry

Googled *questionpro*

Clicked *Log in*



QuestionPro

Welcome Back! Please log in

Email

Please enter your email

Clicked *Forgot Password?*

Password

Please enter your password

☒ Keep me logged in

Forgot Password?

email address & *Reset Password*

Forgot your password?

Don't worry. Please enter your registered email address. An email with a password reset link will be sent to you.

E-mail

chris.taylor@opcug.ca

Reset Password

Never received reset email

- don't have account at QuestionPro site

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Final analysis

- May not have been a data breach
 - QuestionPro only admitted to extortion attempt
- Data probably not sensitive
 - Browser user agent details
 - Email addresses
 - IP addresses
 - **Survey results**
- I have no account on site
 - could send a request to site to delete any data about me
 - is it worth my time?
 - I would rather spend it creating these slides

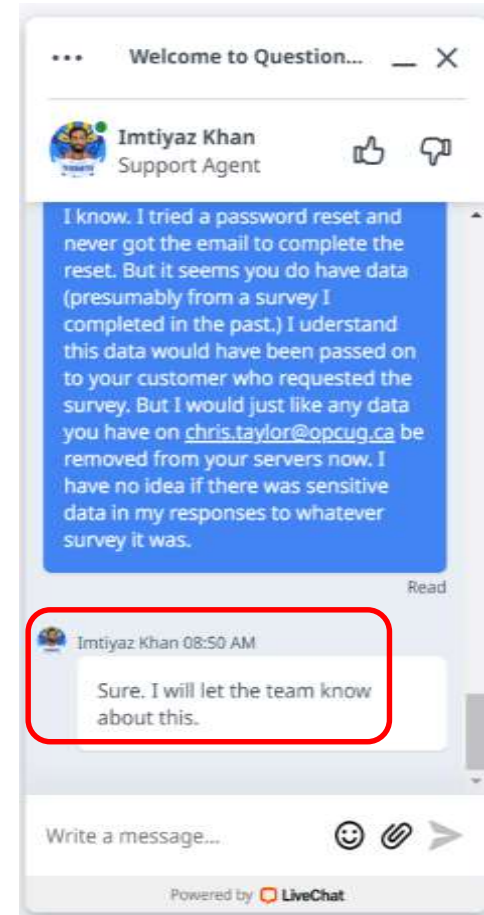
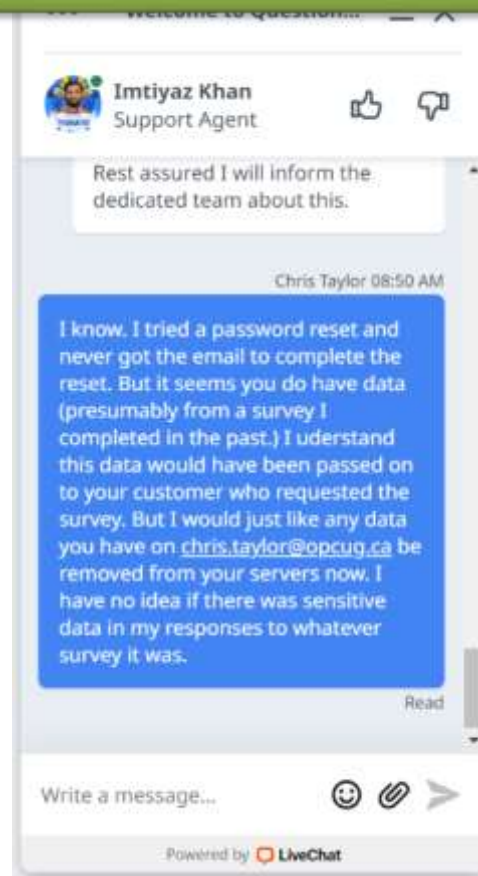
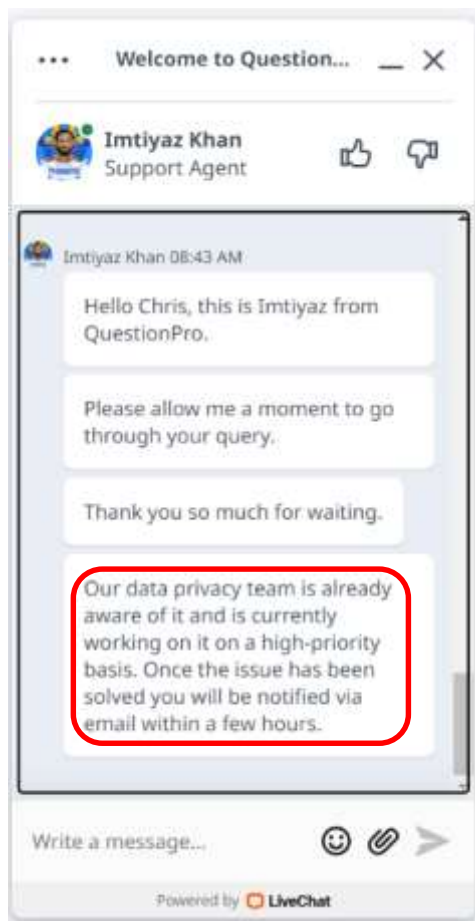
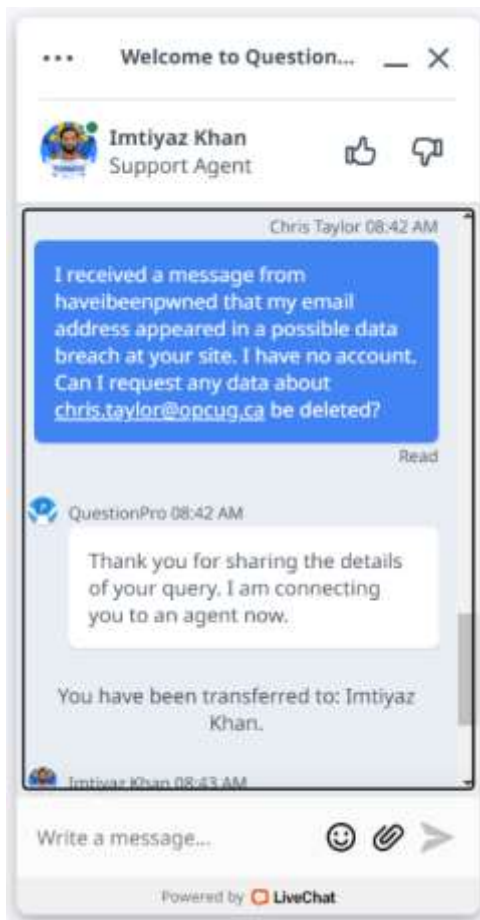


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But then again...

They have an online chat function

He verified I have no account



Will they delete my data?

- I don't know
- I have done everything I can

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Maybe not final

From: Jeff Lawrence <jeff.lawrence@questionpro.com> ☆
Subject: Your QuestionPro Account
To: Chris Taylor <chris.taylor@opcug.ca> ★
9:18 a.m.

To protect your privacy, Thunderbird has blocked remote content in this message. [Options](#)

Hi Chris,

Thank you for signing up for QuestionPro. I'll be your personal contact to help walk you through the platform. What types of surveys do you plan on sending?

I'd love to schedule a quick call to learn a bit more about your requirements and walk you through the platform. Does tomorrow at 11:00am work for you by any chance?

Jeff Lawrence
Account Manager
Cell: +1 (514)-550-2078

 **QuestionPro**

Follow me on [LinkedIn](#)
Book a [Meeting with me](#)

--

Is this email not relevant to you? Click [here](#)

On Fri, Aug 5, 2022 at 9:23 AM Chris Taylor <chris.taylor@opcug.ca> wrote:

Thanks, but I didn't actually sign up. I got a notice from haveibeenpwned that my email address appeared in a possible data breach at your site. I was verifying that I did not have an account and in fact was just requesting that any data related to chris.taylor@opcug.ca on your site be deleted.

Cheers, Chris

Hi Chris,

Thank you for the prompt response, I'll shoot this over the appropriate internal contact.

Thank you & have a great weekend!

Jeff Lawrence
Account Manager

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Password Purgatory

≡ PCWorld

NEWS

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NEWS

This security guru is banishing spammers to a hilarious 'password purgatory'

You love to see it.



By Alaina Yee

Senior Editor, PCWorld | AUG 8, 2022 7:30 AM PDT

Troy Hunt
Have I Been Pwned

Spammer made 6 attempts to create a password that passes crazy criteria

Attempt 1

Criteria: [none]
Password: wasibutt123

Attempt 2 (17 seconds later)

Criteria: Password must contain at least 1 uppercase character
Password: Wasibutt123

Attempt 3 (36 seconds later)

Criteria: Password must end with dog
Password: Wasibutt123-

Attempt 4 (13 seconds later)

Criteria: Password must start with cat
Password: Catand dog

Attempt 5 (8 seconds later)

Criteria: Password must contain at least 1 number
Password: Catand dog

Attempt 6 (7 seconds later)

Criteria: Password must contain at least 1 number
Password: Catand dog123

Accept any, then...
password must:

Contain 1 uppercase letter

End with dog

Start with cat...

<https://www.pcworld.com/article/828227/this-security-researcher-is-putting-spammers-in-password-purgatory-and-the-results-are-a-pure-delight.html>

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Google Maps Timeline

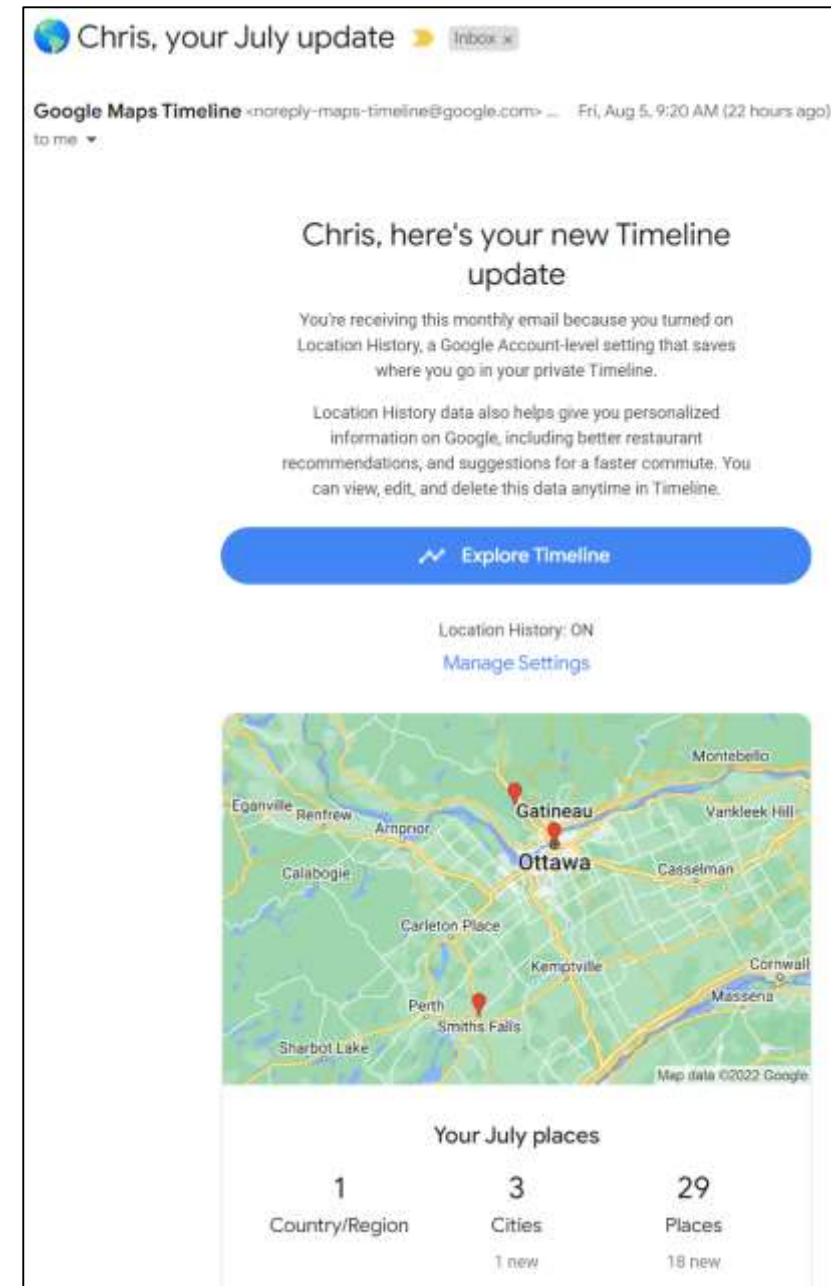
- Android phone can be set to record location history
- Details of where your phone is will be recorded
- Can be useful to you
- Protected as part of your Google Account
 - as long as
 - no breaches at Google
 - no account compromise
 - ...
- Manage *Location History*

<https://support.google.com/pixelphone/answer/3118687?hl=en>

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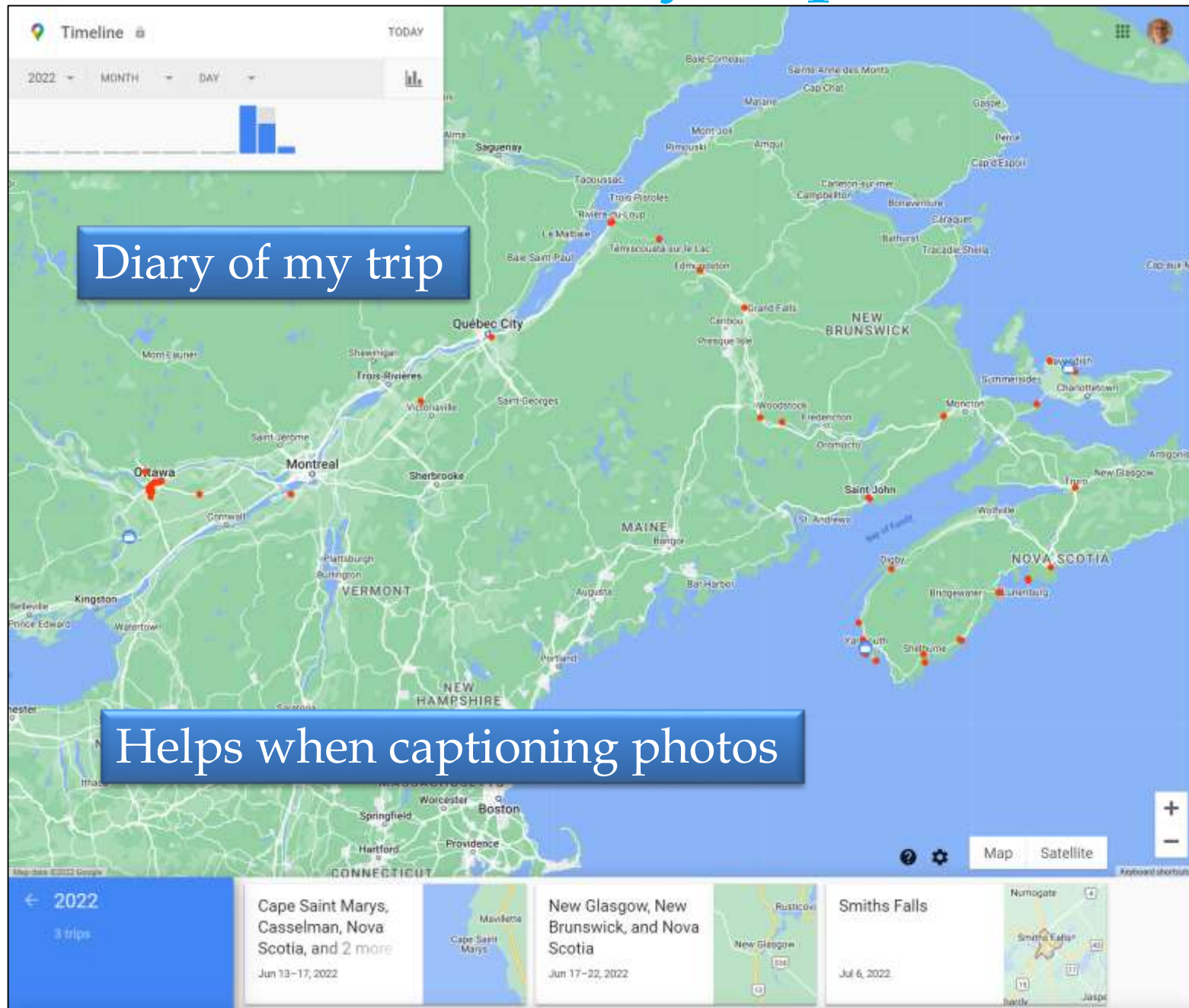
Recommendation?

- *I am not recommending you enable or disable feature*
- Surprising details of your life
- Good to understand what is happening
- Google sends you emails
 - so you can see what's going on



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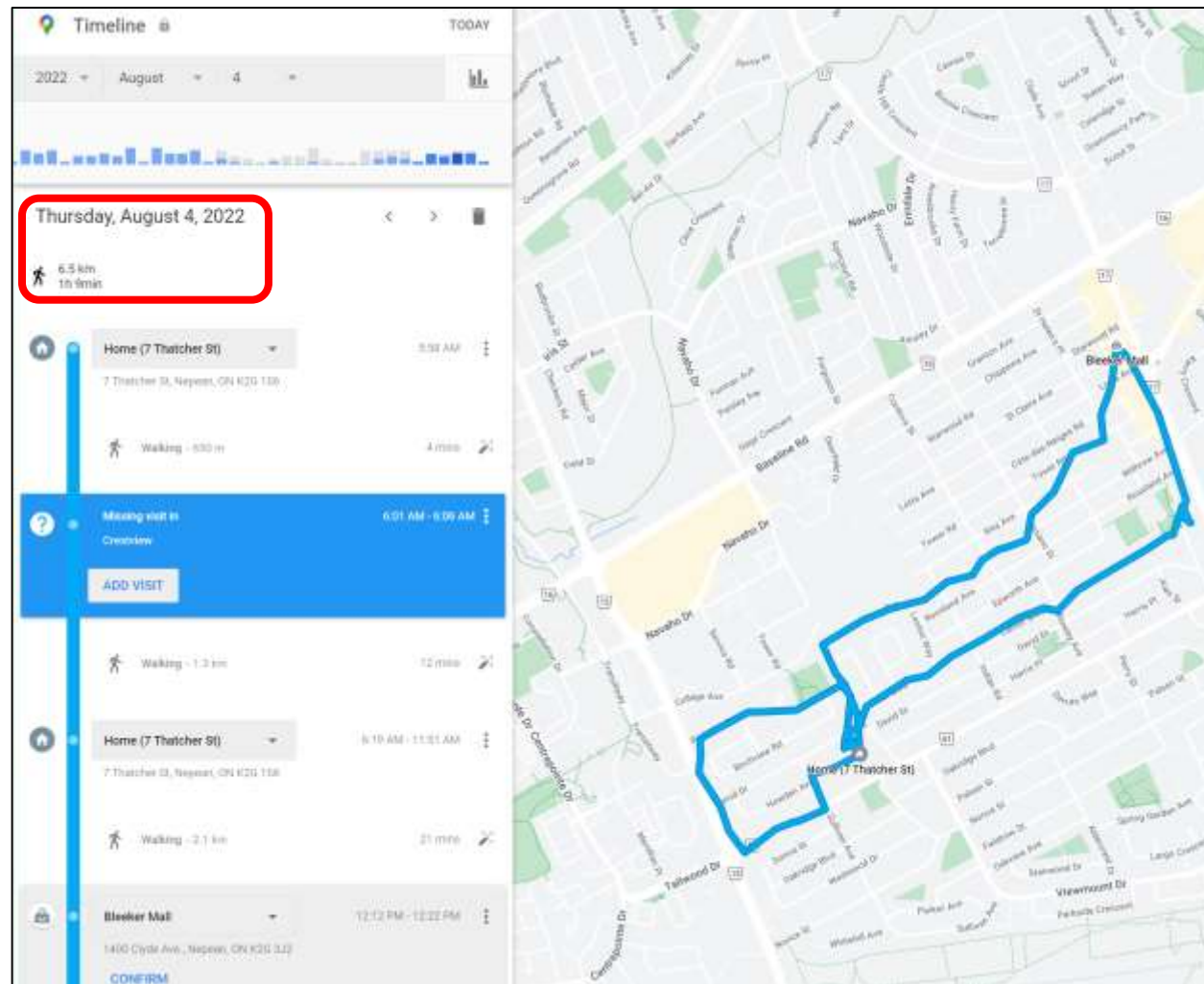
Record of my trip to Maritimes



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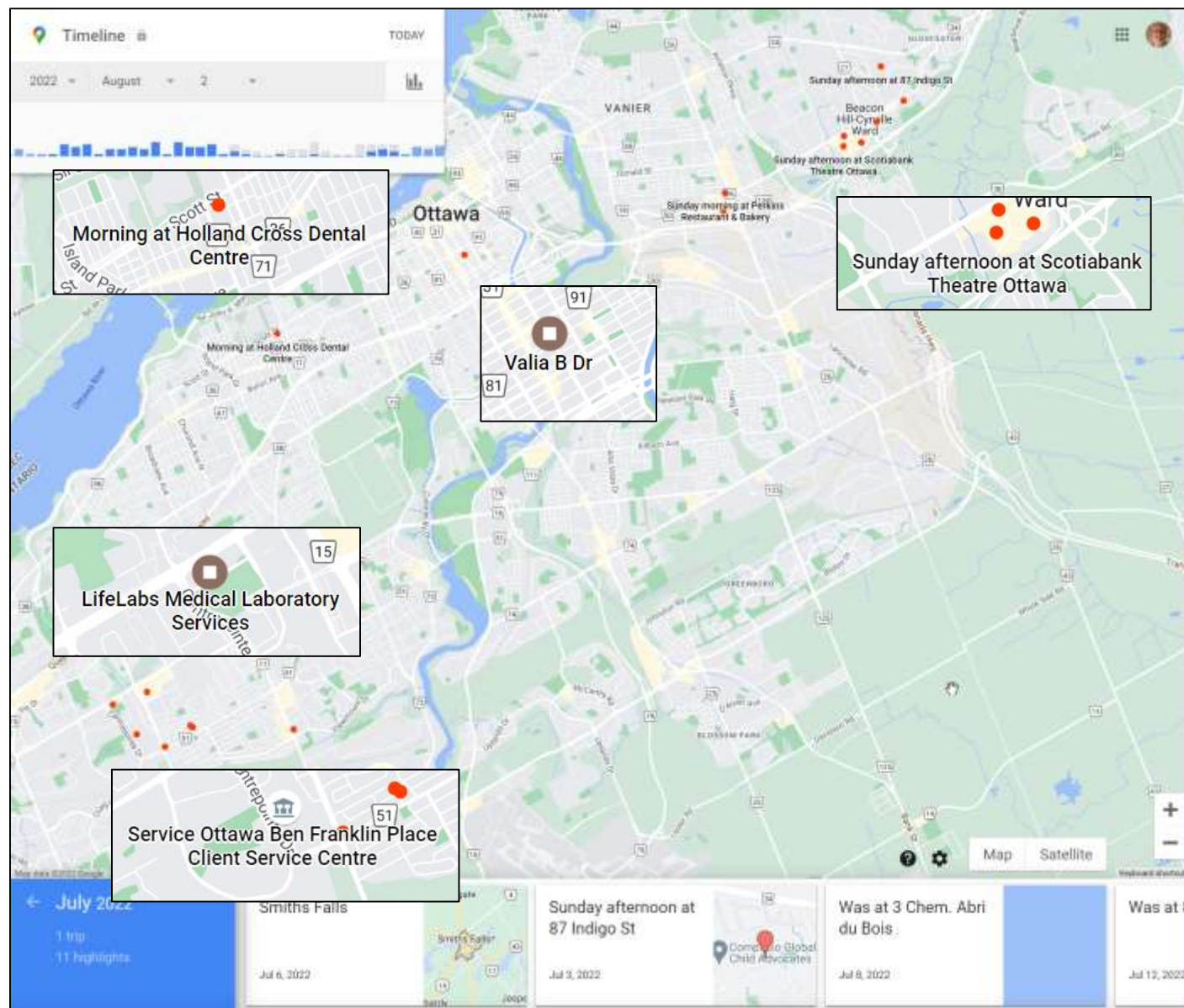
Extra details available

- Walking / driving
- Distance
- Time



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Some details may be personal



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Recommendation



- To repeat...
- I am not recommending you enable/disable feature
- Can definitely provide useful information to you
- Might be too creepy level of details for you
- I'm not worried Google will disclose information
- Might use the data to charge some advertisers more?
 - e.g. if they see I frequent M&M Food Market
 - will they charge M&M more for targeting ads to me?
 - I don't know
 - I don't care

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First issue of PC Magazine

- Complete scanned copy of the first issue in 1982

<https://www.pcmag.com/news/read-the-charter-issue-of-pc-magazine-from-1982>

- Fascinating articles *and ads*
 - astronomical prices for software & (especially) hardware
 - discussions of differences between operating systems
 - interview with Bill Gates
 - software reviews
 - if you think software is quirky now
you *have* to read the review of Easy Writer!

Alan German

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Fascinating highlights

HARD DISK III FOR IBM — PC Makes your PC a Business Machine

Add 6.3 megabytes to 19 megabytes to your System

9.5 megabyte
Winchester
Hard Disk Subsystem*
\$3395



\$2895
6.3 megabyte
Winchester
Hard Disk Subsystem*

VR Data
777
Fol
Phone 800-345-8102 • Cable "VR"

\$2895
6.3 megabyte
Winchester
Hard Disk Sub

Prices subject to change without notice.
Hard Disk III — Trademark of VR Data Corp.

Memory Expansion for the IBM Personal Computer

Intermedia Systems announces the 4194 MEMORY EXPANSION MODULE for the IBM Personal Computer. This product provides 192K Bytes of memory on a single card occupying a single Expansion Slot.

Key features include:

1. 192K Bytes on a single card - directly replaces three IBM 64K Byte cards.

...now...ption...than 35...aving...

...ella...ave...

192K Bytes: \$1095 (suggested retail)

Available at all participating ComputerLand stores and other s

192K Bytes: \$1095

EasyWriter "Block Move" Tips

For those of you who are ambi-

insert lines above and below the block, as the manual states. You can isolate a block in the middle of a paragraph simply by entering insert mode and placing the block markers where you want them. You also don't have to go through the double CTRL-J routine to end the copy.

"BLOCK TOO LARGE" message, regardless of whether the block is really within the 5,500-character limit. This bogus error message threatened my sanity for a while. Preserve yours by proceeding very carefully.

One final tip: After CTRL-C, and before moving your copy block, delete the trailing block marker and

One final tip: After CTRL-C, and before moving your copy block, delete the trailing block marker and paragraph-end by hitting the DEL key twice (steps 16 and 17 in the 21-step routine above). Then delete the leading marker by doing the same thing (moves 20 and 21) once the copy has been placed in the new location. This will save you undue cursor movement.

DEL key
21-step
ete the
ie same
nce the
ew loca-
cursor

-A.F.



Can you help with a website?



<http://cpopc.ca>

- Orleans Photo Club is looking for help with their WordPress website
 - setting up a staging site (Bluehost) for testing changes
 - assisting in a security audit of the website
 - currently using WordFence plugin
 - info on a training path to learn WordPress in order to properly maintain the WordPress site
 - info on a training path to learn PHP
 - particular need to maintain custom PHP code to process competition votes using PHP, jQuery, and Bootstrap
 - If you can help
 - ...or know someone who can help
 - email john@miner.ca

John Miner

A

Google and YouTube U.



Wordpress tutorials



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WordPress Tutorial For Beginners 2022 [Made E
Link Here: <https://createwpsite.com>
YouTube · Create WP Site · Apr 15, 2022



6 key moments in this video

www.youtube.com > watch

How To Make a Website With WordPress - 2021



Learn every step to make a **WordPress** beginner's course. ... How To Make a



PHP tutorials



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PHP Programming Language Tutorial - Full Course - YouTube



Learn the **PHP** programming language in this full course / **tutorial**. The course is designed for new programmers, and will
YouTube · freeCodeCamp.org · Jun 20, 2018

25 key moments in this video

www.youtube.com > watch

PHP Full Course | PHP Tutorial For Beginners - YouTube



This PHP full course or **php tutorial** video covers all the key concepts of PHP including an introduction to PHP, hello world



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WordPress®

by Sabin-Wilson, Lisa



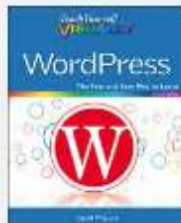
Book - 2021 | 9th edition.
006.752 SABIN 2021

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For Later



Teach Yourself Visually WordPress

by Majure, Janet



Book - 2012 | 2nd ed.
006.752 MAJUR

[Available](#) [View details](#)

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For Later



Create your Own Website Using WordPress in A Weekend

by Moore, Alannah





How can I fix low disk space?

- Running out of space on C drive
 - running Windows 10
- Removed everything I can
 - trouble removing some pictures from one of the directories



A Cleaning up

- Surprising amount of space can often be recovered
- *The ultimate guide to saving disk space*
 - Q&A 2020-11-04 & 2020-11-11
 - https://opcug.ca/qa_recordings/20201104_PowerPoint.pdf
 - https://opcug.ca/qa_recordings/20201111_PowerPoint.pdf
 - TreeSize Free
 - CCleaner
 - Awesome Duplicate Photo Finder
 - SearchMyFiles
 - Turn off disk indexing
- *Disk Clean-up* (built-in Windows utility)
 - Q&A 2018-10-12
 - <https://opcug.ca/qa-2018/>
 - can often find dozens of GB of recoverable space
 - *especially Windows Update Clean-up*
 - Q&A 2022-03-16
 - https://opcug.ca/qa_recordings/20220316_PowerPoint.pdf

A Disk analysis

The screenshot shows the Windows Disk Management console. The top table lists all volumes, and the bottom section shows the detailed layout of Disk 1. A red callout box points to the OS (C:) partition, which is highlighted as a 'Problem partition'.

Volume	Layout	Type	File System	Status	Capacity	Free Space	% Free
(I:)	Simple	Basic	FAT32	Healthy (Primary Partition)	28.96 GB	496 MB	2 %
(Disk 1 partition 1)	Simple	Basic		Healthy (EFI System Partition)	500 MB	500 MB	100 %
(Disk 1 partition 4)	Simple	Basic		Healthy (Recovery Partition)	487 MB	487 MB	100 %
(Disk 1 partition 5)	Simple	Basic		Healthy (Recovery Partition)	12.04 GB	12.04 GB	100 %
(Disk 1 partition 6)	Simple	Basic		Healthy (Recovery Partition)	1.10 GB	1.10 GB	100 %
(Disk 2 partition 1)	Simple	Basic		Healthy (Active, Primary Partition)	4657.50 GB	4657.50 GB	100 %
Bills Drive HP PM...	Simple	Basic	NTFS	Healthy (Logical Drive)	465.75 GB	236.75 GB	51 %
DATA (D:)	Simple	Basic	NTFS	Healthy (Page File, Basic Data Partition)	931.39 GB	727.47 GB	78 %
MEMORYSTICK (G:)	Simple	Basic	FAT	Healthy (Active, Primary Partition)	31 MB	31 MB	100 %
OS (C:)	Simple	Basic	NTFS	Healthy (Boot, Crash Dump, Basic Data Partition)	105.00 GB	5 MB	0 %
SDHC C6 (F:)	Simple	Basic	FAT32	Healthy (Primary Partition)	14.70 GB	8.16 GB	55 %

Disk	Capacity	Free Space	% Free
Disk 0	931.39 GB	727.47 GB	78 %
Disk 1	119.12 GB	5 MB	0 %
Disk 2	4657.50 GB	4657.50 GB	100 %
Disk 3	Removable (E:)	No Media	

Problem partition

- 105GB, 5MB (0%) free
- total drive only 119 GB
 - can't repartition to gain space on C: partition
 - no other partitions on drive with any available space

A Disk analysis

The screenshot shows the Windows Disk Management console. The top table lists the following partitions:

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(I:)	Simple	Basic	FAT32	Healthy (Primary Partition)	28.96 GB	496 MB	2 %
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Bills Drive HP PM...	Simple	Basic	NTFS	Healthy (Logical Drive)	465.75 GB	236.75 GB	51 %
DATA (D:)	Simple	Basic	NTFS	Healthy (Page File, Basic Data Partition)	931.39 GB	727.47 GB	78 %
MEMORYSTICK (G:)	Simple	Basic					100 %
OS (C:)	Simple	Basic					0 %
SDHC C6 (F:)	Simple	Basic					55 %

Below the table, the disk details are shown:

- Disk 0:** Basic, 931.39 GB, Online. Contains **DATA (D:)** (931.39 GB NTFS, Healthy (Page File, Basic Data Partition)).
- Disk 1:** Basic, 119.12 GB, Online. Contains **OS (C:)** (105.00 GB NTFS, Healthy (Boot, Crash Dump, Basic Data Partic...)), and several recovery partitions.
- Disk 2:** Basic, 4657.50 GB, Online. Contains a large unallocated space (4657.50 GB, Healthy (Active, Primary Partition)).
- Disk 3:** Removable (E:), No Media.

Annotations and callouts:

- Red box:** 931 GB partition with 727 GB free!
 - partition **DATA (D:)**, 727 GB (78%) free
- Green box:** 4.6TB partition!
 - no drive letter assigned
 - 100% free
- Blue box:** Either of these 2 partitions could be used to move data to and free up space on C: drive
 - pick an internal drive, if possible
 - to assign a drive letter to Disk 2, right click it
 - *Change Drive Letter and Paths...*

A Windows libraries

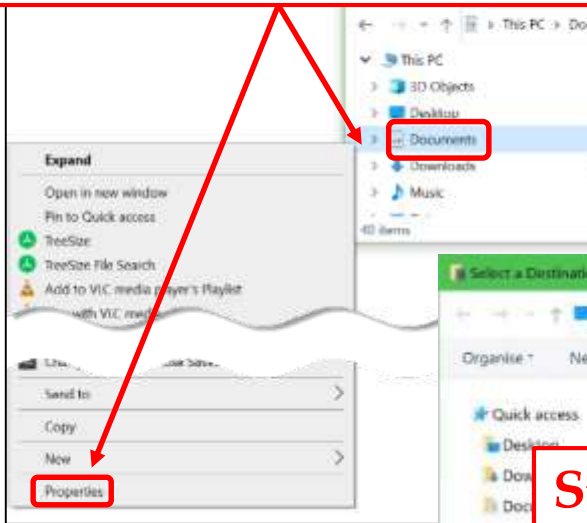
- Pointers to disk locations for some standard file types
- Used by default for many programs
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
- Default actual location is the *boot drive* under user's profile
 - drive where Windows is located, usually C:\Windows
 - C:\Users\username**Desktop**
 - C:\Users\username**Documents**
 - (etc.)
- Can contain a huge volume of files

A Moving libraries

- Windows libraries can be moved to another drive

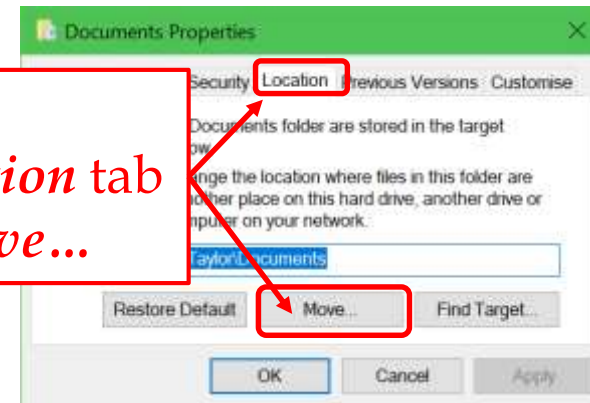
Step 1

- right-click library to move
- choose *Properties*



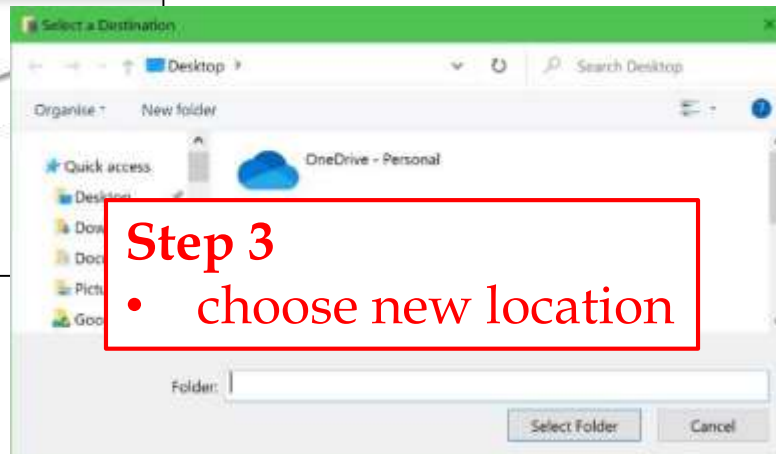
Step 2

- on *Location* tab
- click *Move...*



Step 3

- choose new location



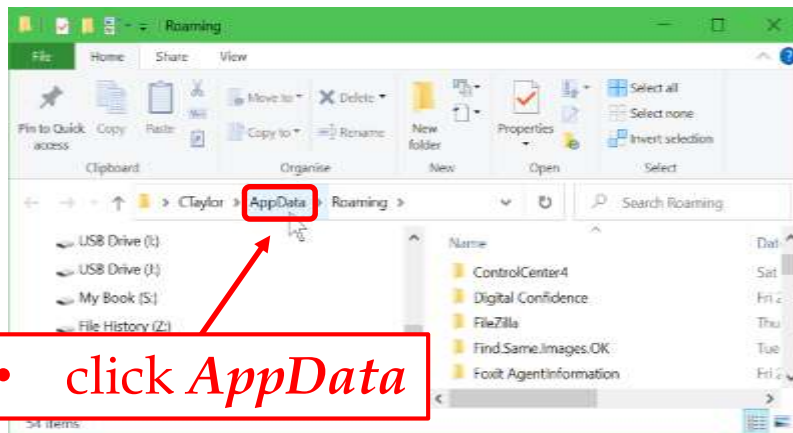
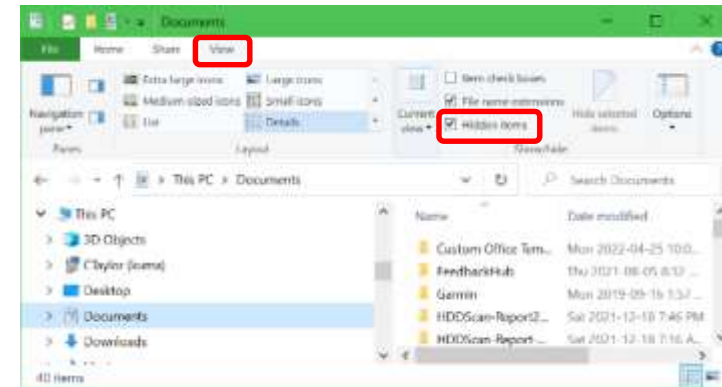
Step 4

- returned to *Properties*
- click *Apply*
- prompted to move files
 - click *Yes*

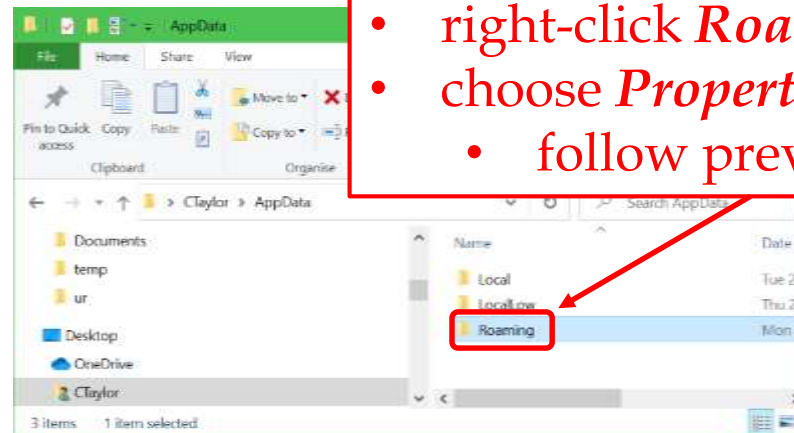
Only use an internal drive for the location of Windows Libraries

A AppData

- *AppData\Roaming* – another folder that can be moved
 - C:\Users*username*\ *AppData\Roaming*
 - 53GB on my desktop!
 - Folder is hidden
 - Show *Hidden items*, or
 - Press  
 - Type *%appdata%* & press Enter



- click *AppData*



- right-click *Roaming*
- choose *Properties*
 - follow previous steps 2-4

Only use an internal drive for the location of AppData\Roaming

A Move programs

- Uninstall large programs
- Reinstall programs
 - choose *custom installation* (not *default* or *standard*)
 - don't accept suggested location to install
 - e.g. *C:\Program files\LibreOffice*
 - maybe *D:\Programs\LibreOffice*

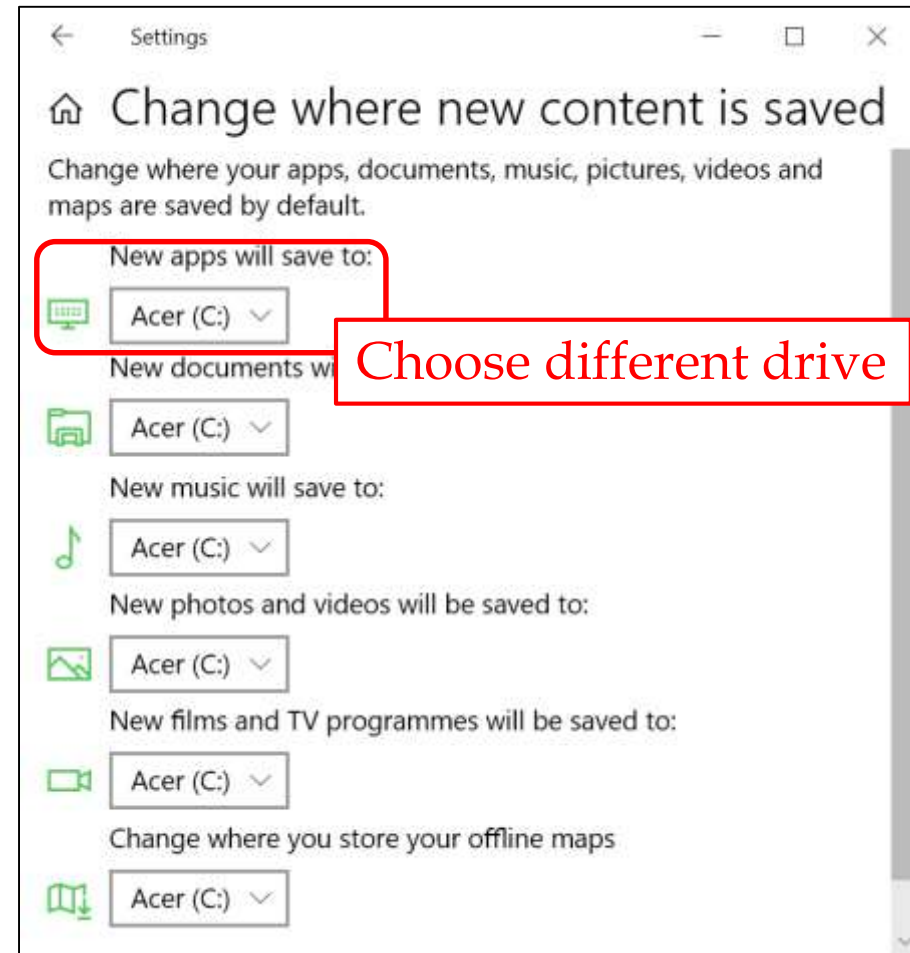
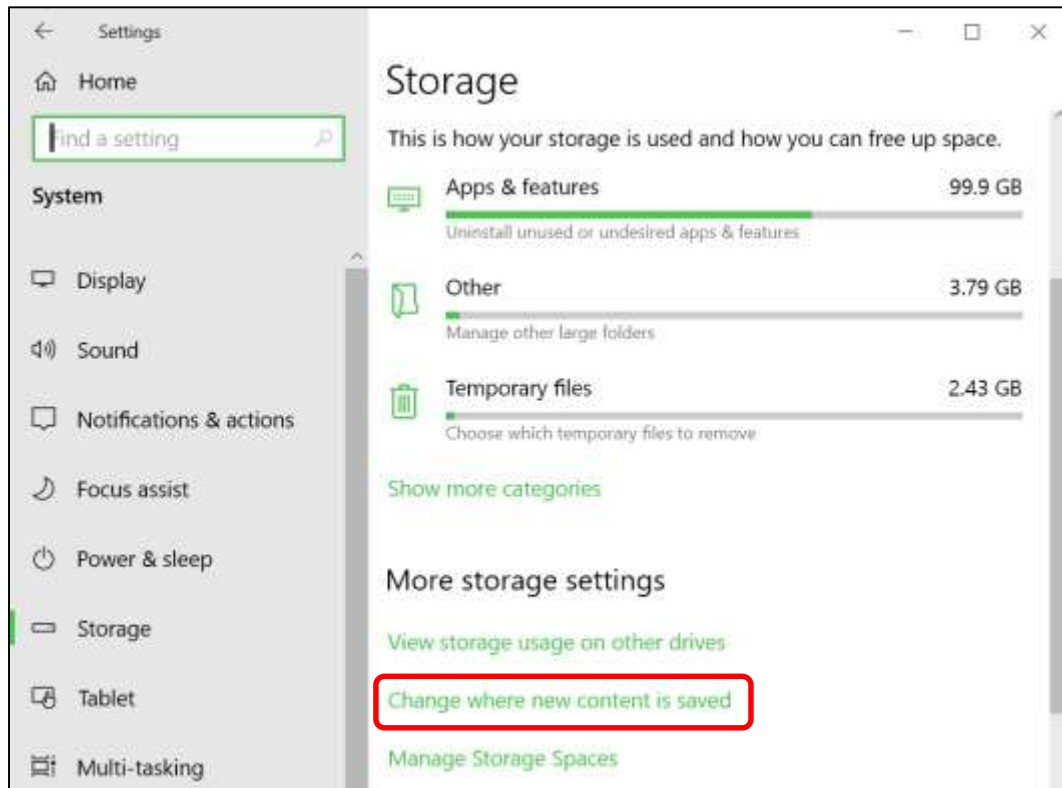


Only use an internal drive for the location of program installations



Location for Microsoft Store Apps

- Settings | System | Storage



Doesn't move existing installations

Only use an internal drive for the location of program installations



Adjust backup processes

- Backup processes may need to be changed
- Make sure wherever you relocate files are being backed up!

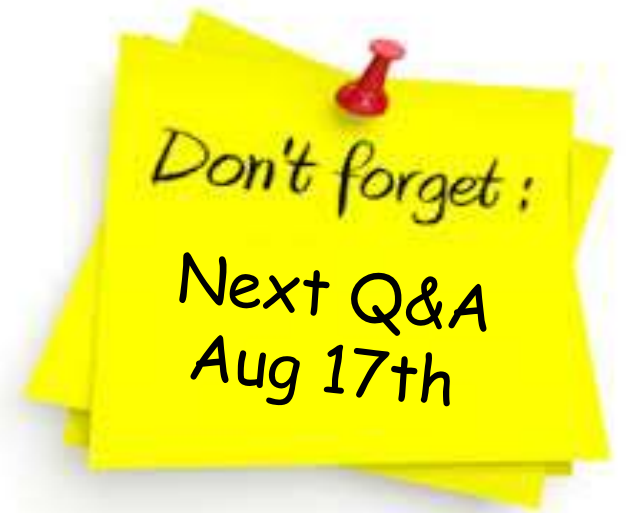




**Any other:
Questions
Comments
Shares?**



**What do you need to
know about computers?**



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

SuggestionBox@opcug.ca

