



Q&A

**Chris Taylor and Alan German
Ottawa PC Users' Group**

Copying image files

Advantages of ROBOCOPY:

- Included with Windows (since Vista - originally appeared in the NT 4 Resource Kit)
- It has a mode where nothing is done - it simply lists what would have happened - the /L switch
- It gives a summary of what happened - how many files were copied, etc.
- By default, it skips files that exist in the destination with the same name, size, and date stamp (otherwise overwrites destination file)

- It can log everything to a file using the `/LOG:file` switch
- It has a TON of other switches allowing things like mirroring directory structures, deleting files in the destination no longer in the source, moving files (rather than copying), excluding files that are larger than, smaller than, older than, newer than, not accessed in x days, etc.
- You can even have it sit there, monitoring the source directory for changes every x minutes, and do its thing `/MON:x`

```
ROBOCOPY e:\agtemp2 g:\agtemp2 *.jpg *.gif /S  
/LOG:e:\logs\robo-jpg-gif.txt /L
```

- e:\agtemp2 - source directory
- g:\agtemp2 - destination directory
- *.jpg *.gif - what files to look for
- /S walk through all directories below the source
- /LOG:e:\logs\robo-jpg-gif.txt - log the actions to e:\logs\robo-jpg-gif.txt
- /L - List what will happen, but don't do anything

```
ROBOCOPY e:\agtemp2 g:\agtemp2 *.jpg *.gif  
/S /LOG:e:\logs\robo-jpg-gif.txt /L
```

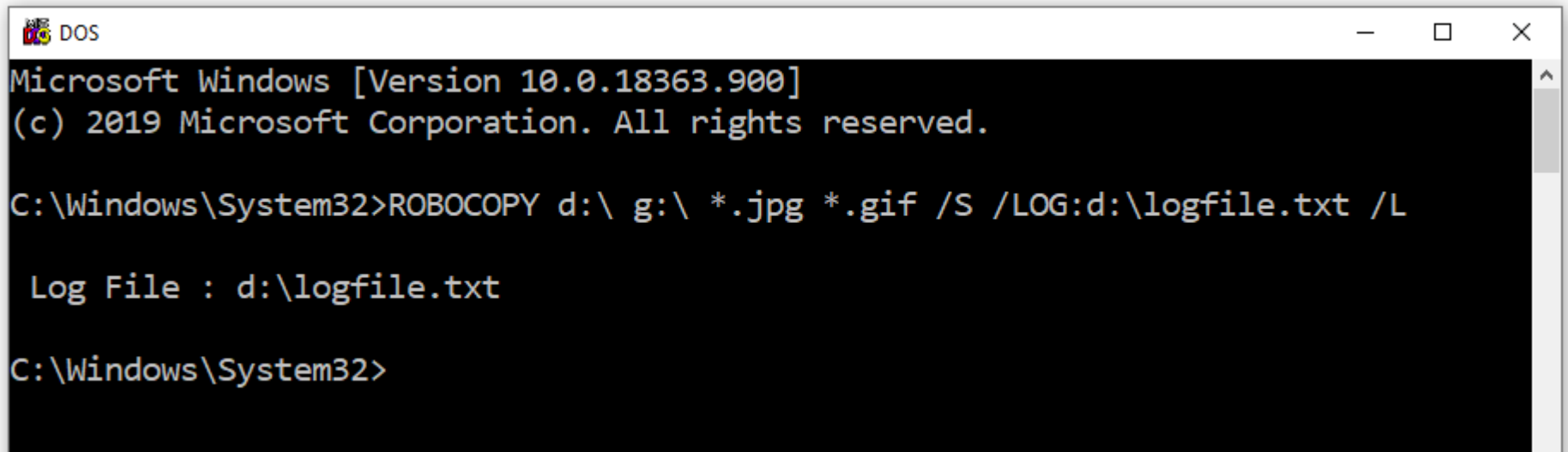
- So, you run the above and review the log file
- If it is doing what you want, go back to the CMD prompt window
- Hit the up-arrow to bring back the last command
- Hit backspace twice to remove the /L switch
- Hit enter to do the copying.

Follow-up

Locating folders with image files

```
ROBOCOPY d:\ g:\ *.jpg *.gif /S  
/LOG:d:\logfile.txt /L
```

- List all jpg and gif files on Drive D:
- /nfl = Don't list filenames
- Send output to d:\logfile.txt



```
DOS  
Microsoft Windows [Version 10.0.18363.900]  
(c) 2019 Microsoft Corporation. All rights reserved.  
  
C:\Windows\System32>ROBOCOPY d:\ g:\ *.jpg *.gif /S /LOG:d:\logfile.txt /L  
  
Log File : d:\logfile.txt  
  
C:\Windows\System32>
```

D:\logfile.txt - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

logfile.txt

```

1
2 -----
3 ROBOCOPY      ::      Robust File Copy for Windows
4 -----
5
6 Started : July 16, 2020 12:09:13 PM
7 Source : d:\
8   Dest = g:\
9
10 Files : *.jpg
11         *.gif
12
13 Options : /L /S /DCOPY:DA /COPY:DAT /R:1000000 /W:30
14 -----
15
16
17          0      d:\
18 *EXTRA Dir  -1     g:\.Trash-1000\
19   New Dir   0      d:\$RECYCLE.BIN\
20   New Dir   4      d:\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1004\
21     New File 100     $I8RW53M.jpg
22     New File 100     $I9ZAWJW.jpg
23     New File 120     $II6WY08.jpg
24     New File 120     $IT12XUG.jpg
25   New Dir   0      d:\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1005\
26          0      d:\_archives\
27          0      d:\_archives\Ghana\
28          0      d:\_archives\Morocco\
29          0      d:\_archives\OPCUG\
30          0      d:\_archives\OPCUG\presentations\
31          8      d:\agtemp\
32          0      d:\alan\
33          1      d:\alan\carsp\
34          6      d:\alan\carsp\edr\
35          1      d:\alan\djd\

```

Normal text file length: 11,924 lines: 230 Ln: 43 Col: 1 Sel: 45 | 2 Windows (CR LF) UTF-8 INS

Untitled 1 - LibreOffice Calc

File Edit View Insert Format Style

Liberation Sans 10 B

A1 fx Σ =

1 A B

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

Sheet1

Find

Sheet 1 of 1 | Default | English (Canada) | Average: ; Sum: 0 | 110%

Text Import - [logfile.txt]

Import

Character set: Western Europe (Windows-1252/WinLatin 1)

Language: Default - English (Canada)

From row: 1

Separator Options

Fixed width Separated by

Tab Comma Semicolon Space Other

Merge delimiters Trim spaces String delimiter: "

Other Options

Format quoted field as text Detect special numbers

Fields

Column type:

Standard
1
2
3 ROBOCOPY :: Robust File Copy for Windows
4
5
6 Started : July 16, 2020 12:09:13 PM
7 Source : d:\
8 Dest = g:\

Help OK Cancel

logfile.txt - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

Liberation Sans 10 B I U A

C1:C1048576 fx Σ = d:\\$RECYCLE.BIN\

	A	B	C
19		New Dir 0	d:\\$RECYCLE.BIN\
20		New Dir 4	d:\\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1
21		New File	
22		New File	
23		New File	
24		New File	
25		New Dir 0	d:\\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1
26			0 d:\0_archives\
27			0 d:\0_archives\Ghana\
28			0 d:\0_archives\Morocco\
29			0 d:\0_archives\OPCUG\
30			0 d:\0_archives\OPCUG\presentations\
31			8 d:\agtemp\
32			0 d:\alan\
33			1 d:\alan\carsp\
34			6 d:\alan\carsp\edr\
35			1 d:\alan\did\
36			0 d:\alan\did\Alan_macros\
37			9 d:\alan\did\ATIP\
38			0 d:\alan\did\CIREN\
39			0 d:\alan\did\CISS\

logfile

Find Find All Formatted Display Match Case

Sheet 1 of 1 Selected: 1,048,576 rows, 1 column Default English (Canada) Average ; Sum 0 110%

logfile.txt - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

Liberation Sans 10 B I U A

C1:C1048576 fx Σ = d:\\$RECYCLE.BIN\

	A	B	C
19		New Dir 0	d:\\$RECYCLE.BIN\
20		New Dir 4	d:\\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1
21		New File	
22		New File	
23		New File	
24		New File	
25		New Dir 0	d:\\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1
26			0 d:\0_archives\
27			0 d:\0_archives\Ghana\
28			0 d:\0_archives\Morocco\
29			0 d:\0_archives\OPCUG\
30			0 d:\0_archives\OPCUG\presentations\
31			8 d:\agtemp\
32			0 d:\alan\
33			1 d:\alan\carsp\
34			6 d:\alan\carsp\ledr\
35			1 d:\alan\did\
36			0 d:\alan\did\Alan_macros\
37			9 d:\alan\did\ATIP\
38			0 d:\alan\did\CIREN\
39			0 d:\alan\did\CISS\

Tidy up:
Del Col A and Col B
Sort Col C

logfile

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Sheet 1 of 1 Selected: 1,048,576 rows, 1 column Default English (Canada) Average: ; Sum: 0 110%

logfile.txt - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

Liberation Sans 10 B I U A

A1 d:\\$RECYCLE.BIN\

	A	B	C	D
1	d:\\$RECYCLE.BIN\			
2	d:\\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1004\			
3	d:\\$RECYCLE.BIN\S-1-5-21-4013694141-4269091737-85032827-1005\			
4	d:\0_archives\			
5	d:\0_archives\Ghana\			
6	d:\0_archives\Morocco\			
7	d:\0_archives\OPCUG\			
8	d:\0_archives\OPCUG\presentations\			
9	d:\agtemp\			
10	d:\alan_and_carol_home_page\			
11	d:\alan_and_carol_home_page\barcelona_2016\			
12	d:\alan_and_carol_home_page\bulgaria_2016\			
13	d:\alan_and_carol_home_page\finland_2019\			
14	d:\alan_and_carol_home_page\iceland_2019\			
15	d:\alan_and_carol_home_page\india_2015\			
16	d:\alan_and_carol_home_page\india_2016\			
17	d:\alan_and_carol_home_page\italy_2015\			
18	d:\alan_and_carol_home_page\mexico_2018\			
19	d:\alan_and_carol_home_page\nh_july_2015\			
20	d:\alan_and_carol_home_page\nh_june_2015\			
21	d:\alan_and_carol_home_page\peru_2016\			

logfile

Find Find All Formatted Display Match Case

Sheet 1 of 1 Default English (Canada) Average ; Sum: 0 110%



★ OPCUG-Member-Forum

(Owner) [Manage group](#) · [Manage members](#)

We are a not-for-profit organization located in Ottawa, Ontario. Our motto is Users Helping Users, a task we have undertaken for more than 35 years.

Send an E-mail (no subject,
no body text) to:

opcug-member-forum+subscribe@googlegroups.com

Follow-up

Locating folders with image files



me (Alan German change)

What is the most efficient way to find all the folders on a drive that contain image files and list JUST the folder names (i.e. the list must not include the names of individual files)?

Listing folders containing only JPG files is acceptable, but a technique to include folders with JPG or GIF or PNG or... would be even better.

Courtesy of Chris Taylor:

DIR *.jpg /s

Volume in drive D is Data
Volume Serial Number is 1433-9B52

Directory of D:\Dad4PhotoFrame

2008-12-28	11:20 AM	1,990,383	IMG_0039.JPG
2013-04-30	01:12 PM	5,391,651	IMG_1428.JPG
2008-08-10	01:26 PM	3,247,352	P1000066.JPG
3 File(s)		10,629,386	bytes

Directory of D:\DadGateway\ChuckTaylor\Documents

2011-06-28	06:30 AM	161,256	Mum&Dad&Mary16Jun11_01.jpg
2003-10-12	12:39 PM	35,719	PA100006.jpg
2 File(s)		196,975	bytes

|

List all JPG:

```
DIR *.*.jpg /s | FIND " Directory of " > DirList.txt
```

```
Directory of D:\Dad4PhotoFrame
Directory of D:\DadGateway\ChuckTaylor\Documents
Directory of D:\DadGateway\ChuckTaylor\Documents\My Scans
Directory of D:\DadGateway\ChuckTaylor\Pictures\05 03 06
Directory of D:\DadGateway\ChuckTaylor\Pictures\2002_12_31
Directory of D:\DadGateway\ChuckTaylor\Pictures\20040412
Directory of D:\DadGateway\ChuckTaylor\Pictures\20040627
```

List all JPG, GIF, and PNG:

```
for %%e in (jpg gif png) do (dir /s *.%%e) |
FIND " Directory of " >> DirList.txt
```

A PowerShell script could remove the leading
“Directory of”

```
get-content DirList.txt | foreach-object {  
    $_ -replace 'Directory of ', "  
} > DirList-Bare.txt
```

Courtesy of Andrew Petrovic:

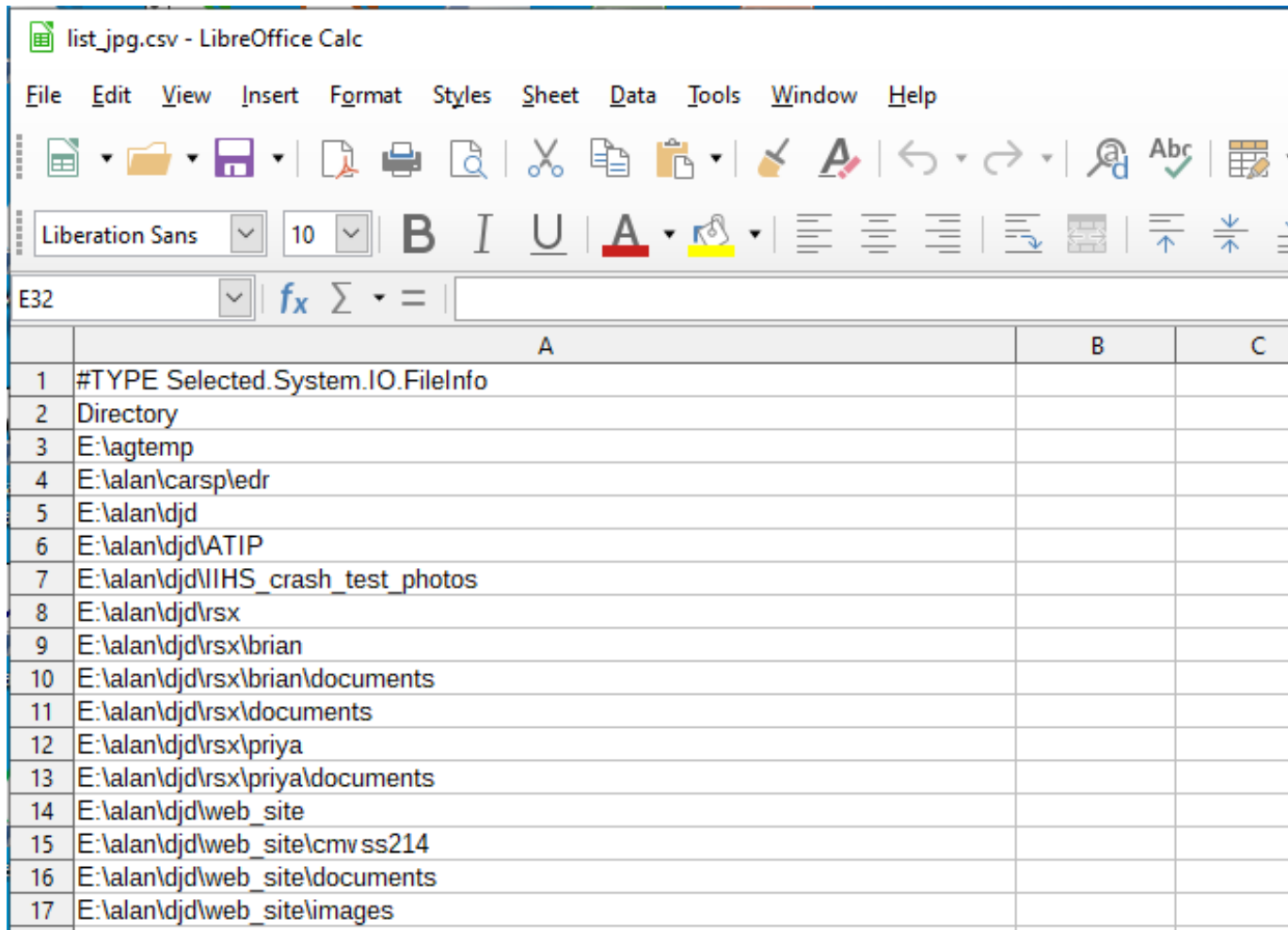
You can do it in PowerShell. This will get you started:

<https://superuser.com/questions/1124267/identify-unique-folders-that-contain-images-in-windows-10>



```
$type = "*.jpg"  
dir c:\$type -Recurse | Select Directory -Unique | sort  
Directory | export-csv c:\users\ralf\desktop\All_JPGs.csv
```

dir e:\\$type -Recurse | Select Directory -Unique |
sort Directory | export-csv e:\list_jpg.csv



The screenshot shows the LibreOffice Calc application window titled 'list_jpg.csv - LibreOffice Calc'. The interface includes a menu bar (File, Edit, View, Insert, Format, Styles, Sheet, Data, Tools, Window, Help), a toolbar with various icons, and a formatting toolbar. The active cell is E32. The spreadsheet contains the following data in column A:

	A	B	C
1	#TYPE Selected.System.IO.FileInfo		
2	Directory		
3	E:\agtemp		
4	E:\alan\carspledr		
5	E:\alan\djd		
6	E:\alan\djd\ATIP		
7	E:\alan\djd\IHS_crash_test_photos		
8	E:\alan\djd\rsx		
9	E:\alan\djd\rsx\brian		
10	E:\alan\djd\rsx\brian\documents		
11	E:\alan\djd\rsx\documents		
12	E:\alan\djd\rsx\priya		
13	E:\alan\djd\rsx\priya\documents		
14	E:\alan\djd\web_site		
15	E:\alan\djd\web_site\cmv_ss214		
16	E:\alan\djd\web_site\documents		
17	E:\alan\djd\web_site\images		



PowerShell is purported to be more powerful than cmd.exe. In some instances the command in PowerShell is very different from that used in a command prompt. So, do we have to learn a whole new set of commands and syntax?

```
Select Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\toaster> dir e:

Directory: E:\

Mode                LastWriteTime         Length Name
----                -
d-----          6/25/2020   9:59 AM          0_archives
da----          7/21/2020   8:10 AM          agtemp
da----          6/16/2020   9:15 AM          alan
da----          4/12/2020   2:45 PM    alan_and_carol_home_page
da----          3/12/2020   8:39 AM          bats
da----          7/4/2020    4:55 PM          eBooks
da----          7/3/2020    4:05 PM          nikon
da----          7/20/2020   4:54 PM          original
da----          7/16/2020   1:38 PM          receipts
da----          7/20/2020   1:24 PM          Rfiles
da----          11/22/2019  9:39 PM    Road Safety Research
da----          7/21/2020   8:10 AM          thunderbird
da----          6/26/2020  10:05 PM    thunderbird_local_folders
da----          7/21/2020   8:15 AM          transfer
```

Follow-up

VPNs and privacy

naked security by SOPHOS

7 VPNs that leaked their logs – the logs that “didn’t exist”

20 JUL 2020

Many VPNs tell you that “they don’t keep any logs at all”, and therefore that they would have nothing on you that they could hand over to law enforcement even if they wanted to.

According to a [report](#) published last week by VPNMentor (note: VPNMentor earns affiliate revenue from links to and coupons for selected VPN companies that it recommends), its researchers stumbled across copious user logs from seven VPNs operating out of Hong Kong.

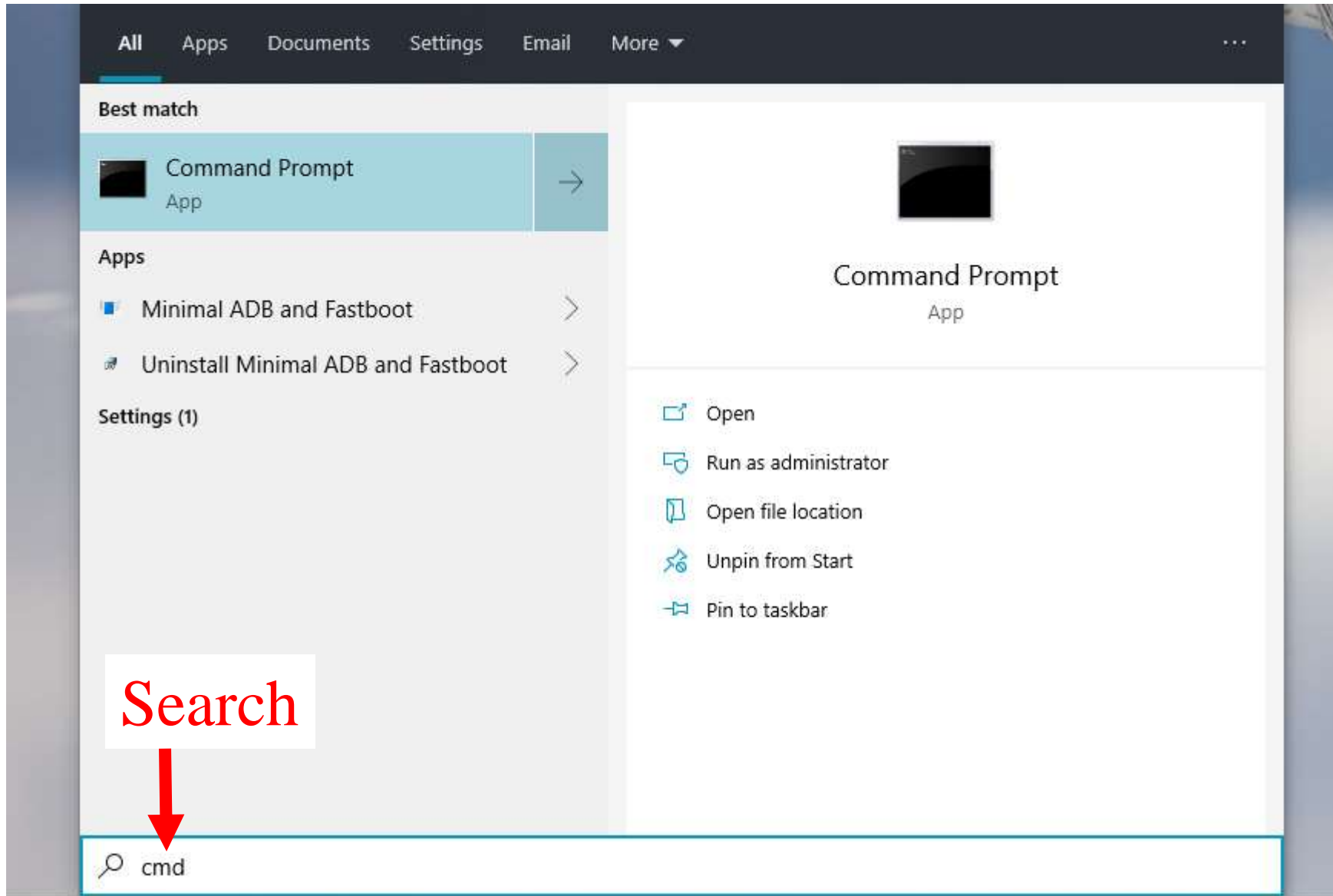
According to VPNMentor, about 1 billion database entries relating to approximately 20 million users (so that’s an average of 50 items per user) were exposed, including various data fields including:

Activity logs, PII (names, emails, home address), cleartext passwords, Bitcoin payment information, support messages, personal device information, tech specs, account info, direct Paypal API links.

<https://nakedsecurity.sophos.com/2020/07/20/7-vpns-that-leaked-their-logs-the-logs-that-didnt-exist/>

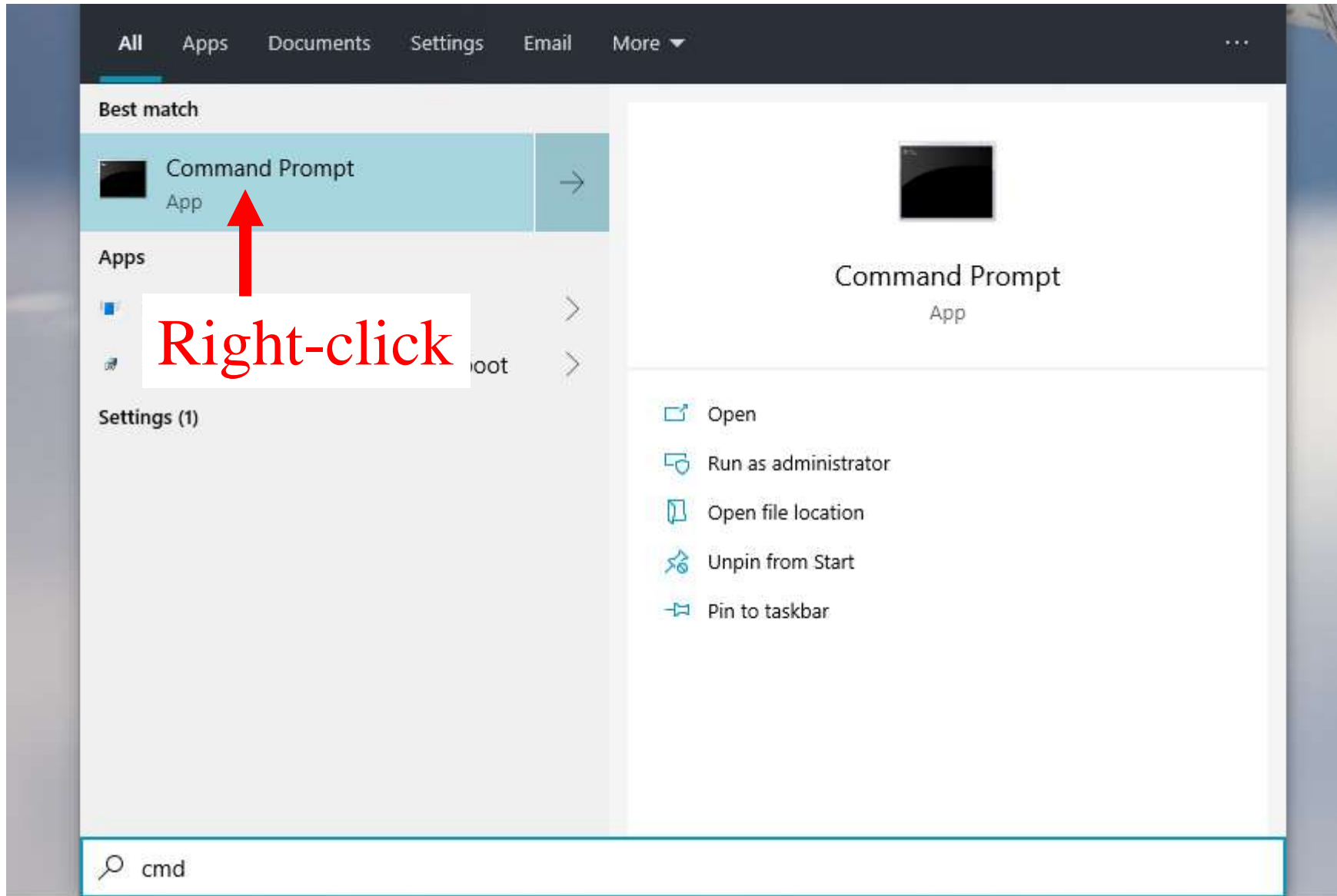
Follow-up

Run program as Administrator



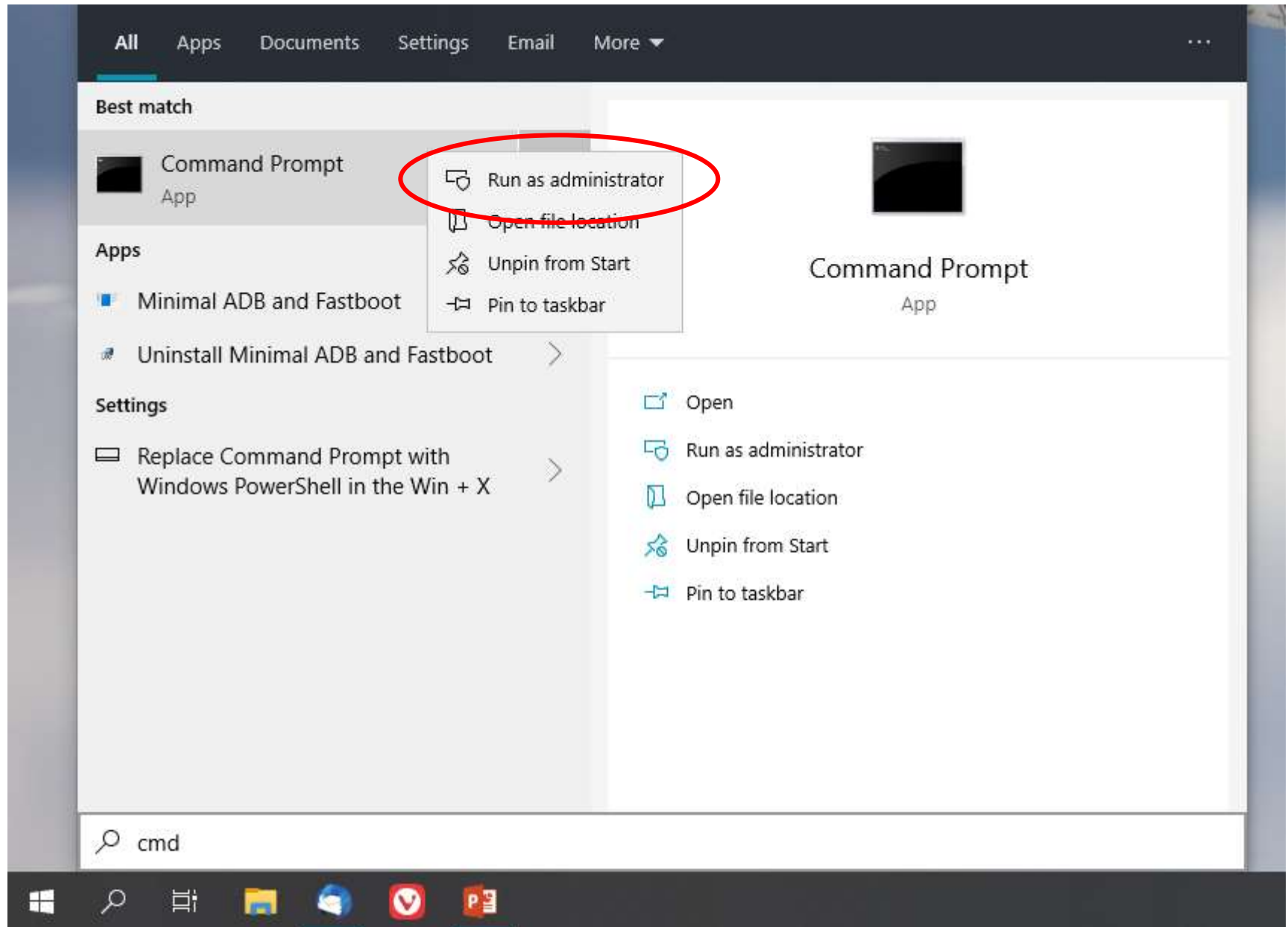
Follow-up

Run program as Administrator



Follow-up

Run program as Administrator



Share

Network Traffic



Network & Internet
Wi-Fi, airplane mode, VPN

Windows 10 v2004 (May 2020 update)

Settings | Network & Internet | Status

- Now reports data usage
- Click the "*Data usage*" button to get a breakdown by program

Settings

Home

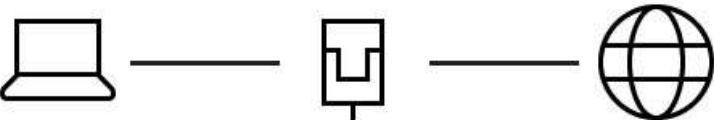
Find a setting

Network & Internet

- Status
- Wi-Fi
- Ethernet
- Dial-up
- VPN

Status

Network status



Ethernet
Private network

You're connected to the Internet

If you have a limited data plan, you can make this network a metered connection or change other properties.

Ethernet	90.5 GB
From the last 30 days	
Properties	Data usage

🏠 Data usage








Choose a network

 Ethernet 

Data limit

Windows can help you stay under your data limit. Enter your data limit and we'll warn you when you're getting close to it. This won't change your data plan.

Enter limit

	chrome.exe	63.06 GB
	System	11.92 GB
	Zoom.exe	5.66 GB
	ON1 Photo RAW 2020.exe	3.09 GB
	googledrivesync.exe	3.02 GB
	opera.exe	888 MB
	msedge.exe	428 MB



Data usage – Properties – Wireless setting – Random Hardware Addresses

Can be enabled on a by-network case

It is supposed to make it difficult to track this device. Is this a new feature? Is it any good?



I really like TeamViewer. It's strictly personal use, but I regularly get emails saying they've detected commercial use and I should register. Pricing starts at \$58/month (!) for a single user.

Their attempts to make me pay for are aggravating and are now interfering with my use of the software.

Is there another program that's comparable, and either free for personal use or cheap (like \$1/mo)?





WordPerfect X5 crashed and closed every time I tried to create a new document in landscape mode. When I set up and used a second administrator's account, the program ran fine. Why?



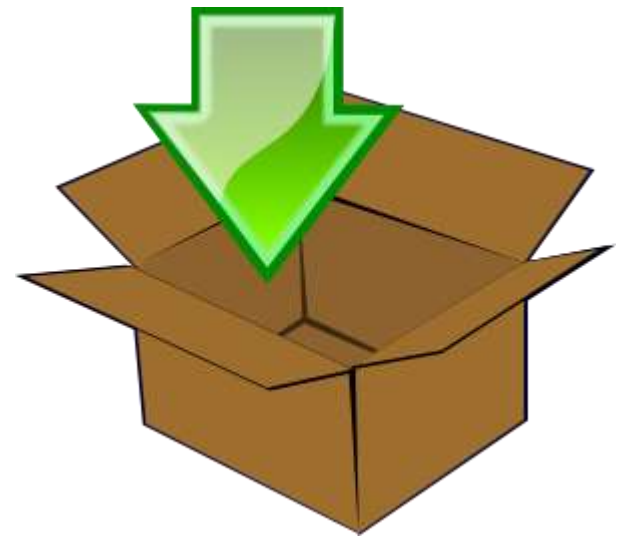


When using Skype, how do I synchronize the contacts on my PC to my iPad tablet? Is that possible with minimal effort? What are the steps?





We are collecting more and more digital items (e.g. photos, music), as well as scanning paper documents. What are the best practices in determining what to keep for archival purposes and what to delete?





How does one direct their executors/
trustees to manage computer accounts
and maintain a digital legacy, and what
should happen to all the hardware?





Over the last few weeks , I have had an intermittent buzz from my D Link Dir 859 Router. D Link support suggests changing the location of the power connection and upgrading the firmware. Rebooting the router helps for short intervals of time. While this router is only four years old, its end of service is in August. Any suggestions?





I just updated to the latest version of EaseUS Todo Backup Home. Do I need to create a new WinPE bootable USB stick?

I have a desktop and a laptop, do I need a new WinPE bootable USB stick for each unit?

A

- Usually this is not necessary but, because the latest version will normally fix bugs, and possibly fix any compatibility issues with more recent versions of Windows, it is not a bad idea.
- You just require one bootable EaseUS Todo Backup USB drive for all your computers.



**Any Other:
Questions?
Comments?
Shares?**



If we have time...

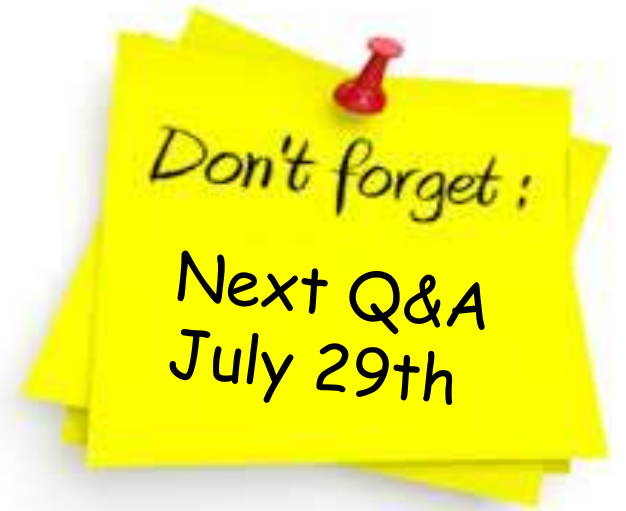


GIMP – Simple & Complex

*Alan German
Ottawa PC Users' Group*



Questions



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

SuggestionBox@opcug.ca

