



Alan German & Chris Taylor

Ottawa PC Users' Group

April 6, 2022

Share

Timely email reminders

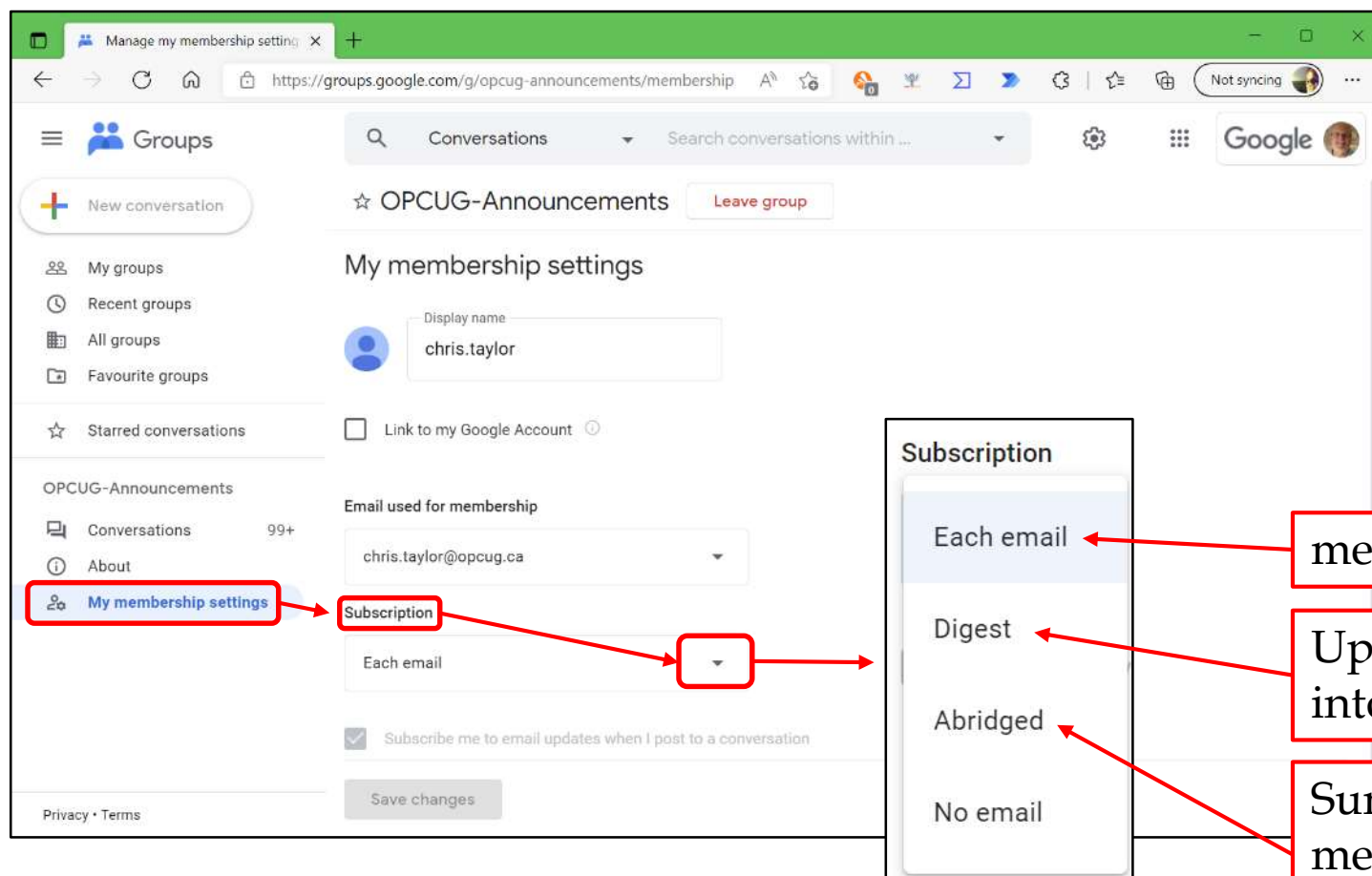
- Everyone is subscribed to *OPCUG-Announcements*
- Meeting reminder postings sent out
 - a few days prior to general meetings & Q&A
 - an hour or so before Q&A
 - *very* occasional other reasons
- Do you receive reminders a day late?
 - may want to adjust subscription option



Share

Check your subscription option

- <https://groups.google.com/g/opcug-announcements>



Make sure you are logged in using email address where you receive postings

messages sent as they're posted

Up to 25 messages combined into single emails & sent daily

Summaries of up to 150 messages combined into single emails & sent daily

Share

Three Google Groups

- <https://groups.google.com/g/opcug-announcements>
 - very seldom more than one posting a day
 - recommendation: to avoid delay – *Each email*
- <https://groups.google.com/g/opcug-newsletter>
 - very seldom more than one posting a month!
 - recommendation: to avoid delay – *Each email*
- <https://groups.google.com/g/opcug-member-forum>
 - sometimes many postings a day
 - rarely are postings time-sensitive
 - recommendation: whatever works best for you
- Problems adjusting this?
 - email chris.taylor@opcug.ca
 - let Chris know how you would like each group set

Follow-up

Which Mike?

- Juan Carlos Bagnell has worked in audio-visual most of his career based in the L.A. area. He reviews a ton of mobile gear and, if you look for the audio kit playlist on his YouTube channel, there are multiple microphone reviews.

https://www.youtube.com/channel/UCvhnYODy6WQ0mw_zi3V1h0g

Stewart Bruce

- I would think a wired microphone would not be a good idea. I would expect it to interfere with the gimbal action.

Bill van Dijk

Share

MYCADILLAC



- OnStar app starts your car, unlocks doors, checks oil, tire pressure, mileage, exact location, etc.
- Gilles Veilleux sold his Cadillac to a dealership.
- Did not uninstall phone app.
- New client did not know an app existed.

Share

MYCADILLAC

- Tracked car to St. Louis, Missouri.
- New owner was found.
- Gilles started car, flashed lights from Quebec.
- Interview requests denied by GM and dealership.
- Beware the fine print of OnStar.





Limits on the file system

- In the past, for DOS and early versions of Windows, there were practical limits on files and folders
- If I remember correctly for DOS there was a limit of 512 files in a directory but now, in Win 10, I have a couple of directories containing almost 3,000 files
- For Windows 10, what are the limits for:
 - (1) the size of a file
 - (2) the number of files in a directory
 - (3) the number of subdirectories in a directory
 - (4) the size of a drive partition

A Files and Folders

Someone claiming to know that sort of stuff says:

- NTFS: 4,294,967,295 files in a single folder, providing this does not exceed 4GB per file, for 2TB total.
- The older FAT32: 65,534 files in a single folder, with the same size restrictions as above.

<https://answers.microsoft.com/en-us/windows/forum/all/how-many-files-can-a-folder-hold/25368d4b-83e3-47b3-b7a3-a0fb8c7286a7>

More discussion on limits:

<https://askleo.com/is-there-a-limit-to-what-a-single-folder-or-directory-can-hold/>

<https://answers.microsoft.com/en-us/windows/forum/all/is-there-a-limit-to-the-number-of-sub-folders-file/70bfa5d6-834c-4e07-906b-1b5d23ca765e>

Bill van Dijk

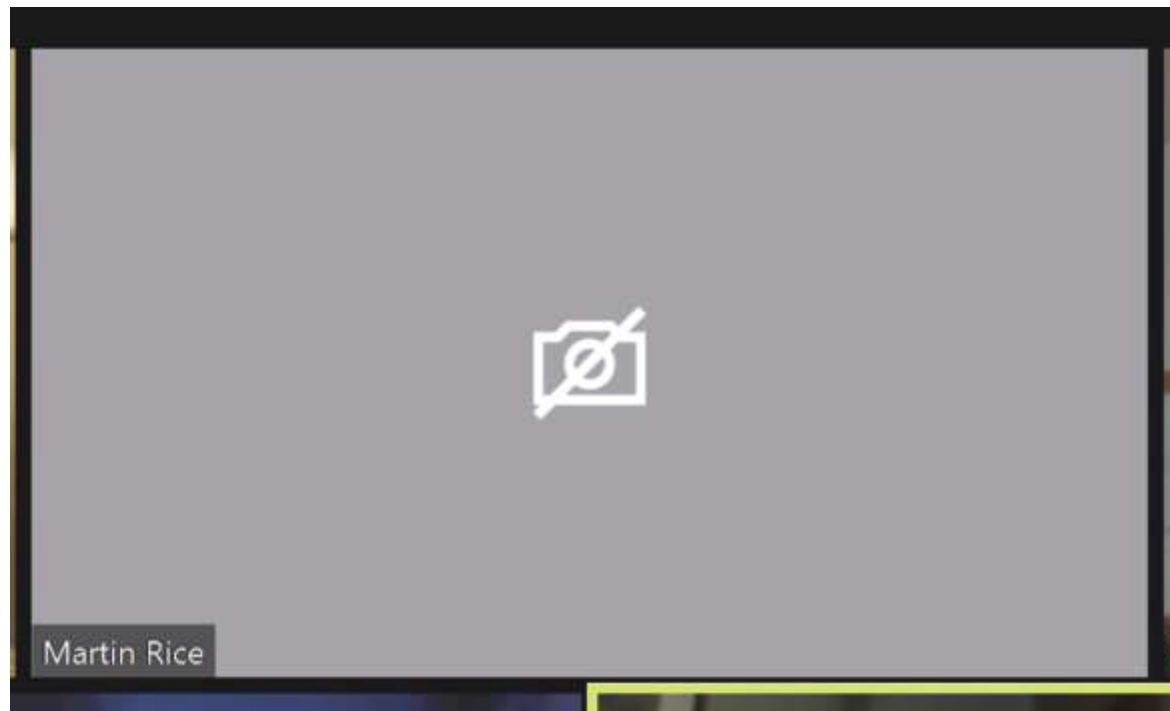
- 2 TB is a limitation of 32-bit addressing using MBR
- Using 64-bits, GPT (GUID Partition Table), and UEFI (Unified Extensible Firmware Interface) gives a theoretical limit of 9.4 ZB (billion terrabytes)
- Windows/NTFS limitations*
 - GPT drive may have up to 128 partitions
 - Each partition can have a maximum of 18 EB (million terabytes)
 - No limit on the number of folders on a volume, but 4,294,967,295 files per volume
 - Maximum file size is 256 TB

* Everything depends on the OS and filesystem being used. Practically there are no limits. You will run out of disk space before you hit file and folder limits!



Is my webcam working?

- On two Zoom calls yesterday, including the OPCUG session, I had no camera image. This what I and others now see when I have video turned on. I saw everyone else's video images as normal.



- I checked Integrated Camera Properties under Device Manager and it says the device is working properly
- However, perhaps it is not aware that the camera itself is broken?
- I am thinking I need to purchase a separate camera for future video calls
- Do you have any other suggestions?





Test the camera

- Try the tests indicated in <https://screenrant.com/windows-laptop-webcam-camera-check-explained/>
- On my system, "*...click on the Start icon and select Camera from the list of apps...*" loads the camera and displays the normal picture
- The article mentions the preview in Skype but Zoom has the same facility under *Settings - Video* (for the Zoom client)

- We were in Nova Scotia last week, visiting family, and I asked my son to look things over
- He is pretty good at spotting simple fixes
- Just when he was about to conclude the camera was no longer working, he noticed a function key on the "*Adaptive Keyboard*" touch bar which was turned off
- I must have touched it accidentally at some point. (I don't pay much attention to the touch bar as I have trouble making out the symbols.)
- I am glad to report that my camera is operating again



TPM Issues

Regarding the Trusted Platform Module (TPM):

- (1) Is there any advantage to having a TPM chip in a Windows 10 computer?
- (2) Is Microsoft considering changing the requirement for a TPM chip with something different, or requiring an additional chip for future versions of Windows 11





How Windows uses the TPM

- Cryptographic API: Next Generation (CNG)
(common API for apps using cryptography)
- Platform Crypto Provider uses TPM properties
 - Protected security keys, security certificates
 - Measured Boot
 - BitLocker Drive Encryption
 - Windows Hello for Business
 - Credential Guard

<https://docs.microsoft.com/en-us/windows/security/information-protection/tpm/how-windows-uses-the-tpm>

Is there any importance for TPM for consumers?

For end consumers, TPM is behind the scenes but is still relevant. TPM is used for Windows Hello, Windows Hello for Business and in the future, will be a component of many other key security features in Windows. TPM secures the PIN, helps encrypt passwords, and builds on our overall Windows experience story for security as a critical pillar. Using Windows on a system with a TPM enables a deeper and broader level of security coverage.

TPM recommendations

12/03/2021

<https://docs.microsoft.com/en-us/windows/security/information-protection/tpm/tpm-recommendations#why-tpm-20>

Share

TV Bro



- I read about this app some time ago
- Web browser optimized to use with TV remote
- Open-source
- I have just started playing with it on a Chromecast with Google TV
- Seems to be working rather well even from within Kodi
- Using the remote does work!

<https://play.google.com/store/apps/details?id=com.phlox.tvwebbrowser>





Do I need an anti-virus app for my phone?

- Lately, I have been receiving some strange Email messages on both my phone and computer
- I have been ignoring them and running Windows Defender scans which have been coming up clear
- I'm wondering if I have been scammed so I am no longer comfortable to open these emails
- I thought Windows Defender would protect Email messages received on both devices
- I thought I should not have more than one virus scan running at the same time

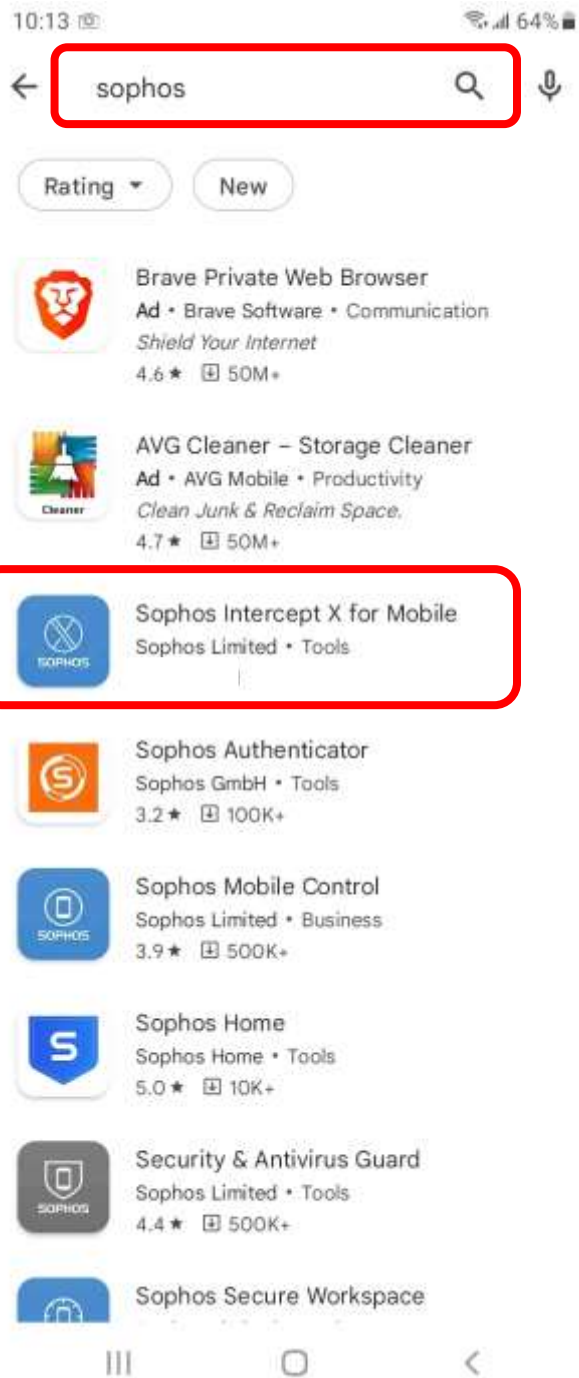


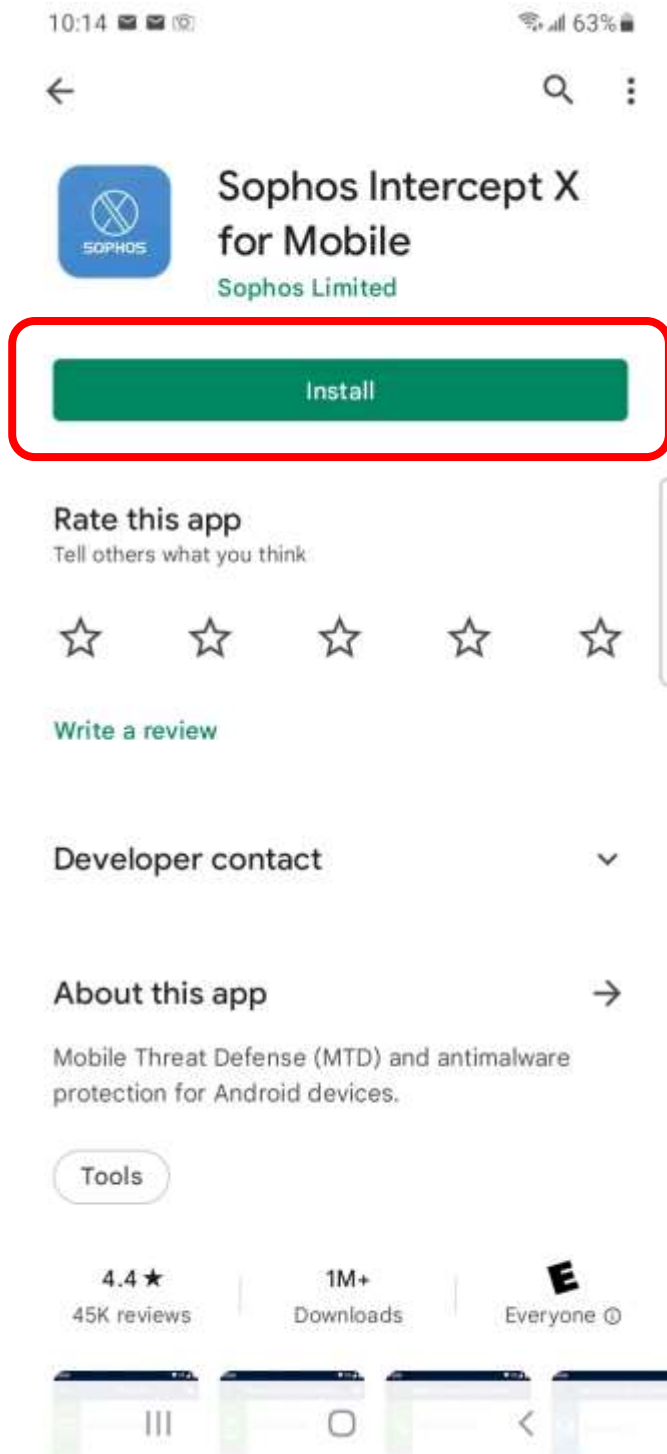
Use AV software on both devices

- Windows Defender monitors files that are opened or saved on the PC through full-time, on-access scanning
- Files on the phone are stored in Android's file system and are independent of the PC
- An AV app installed on the phone will provide security for files on that device

e.g. *Sophos Intercept X for Mobile*







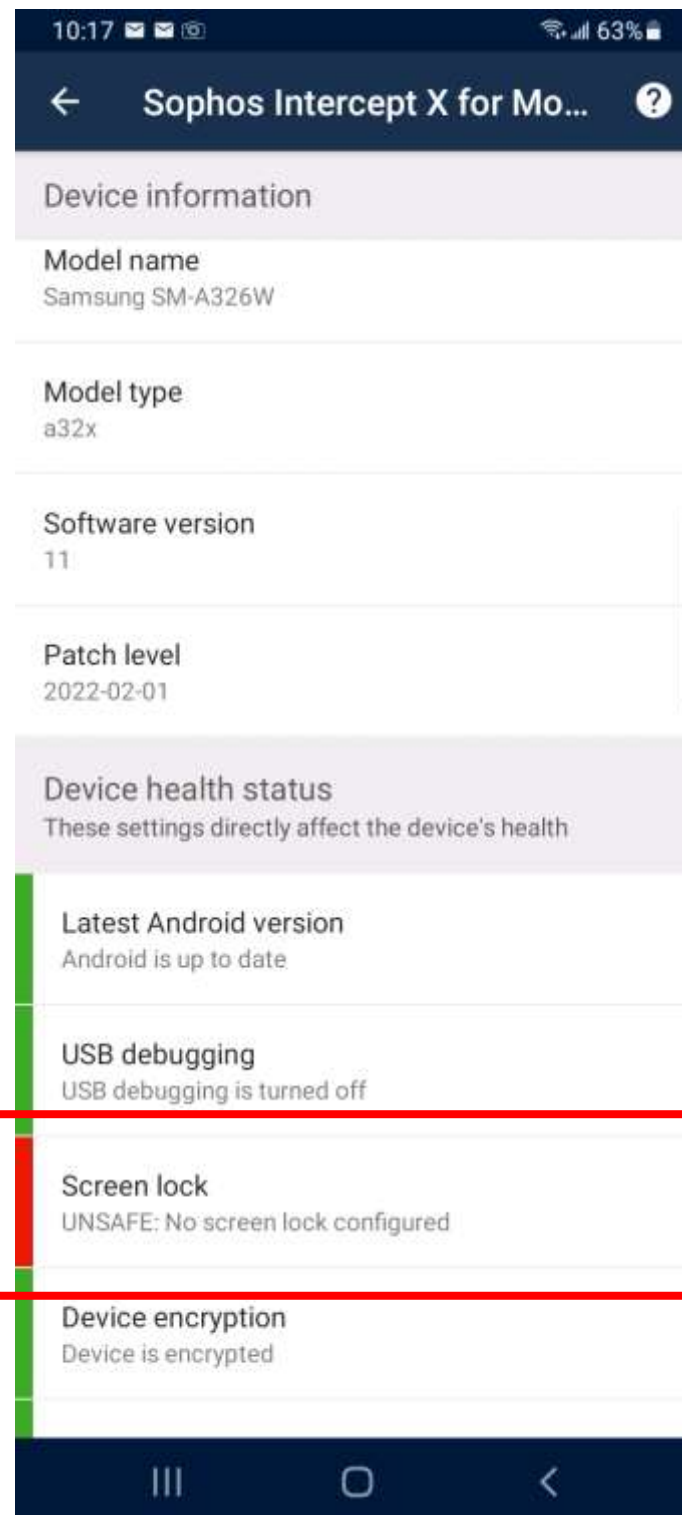
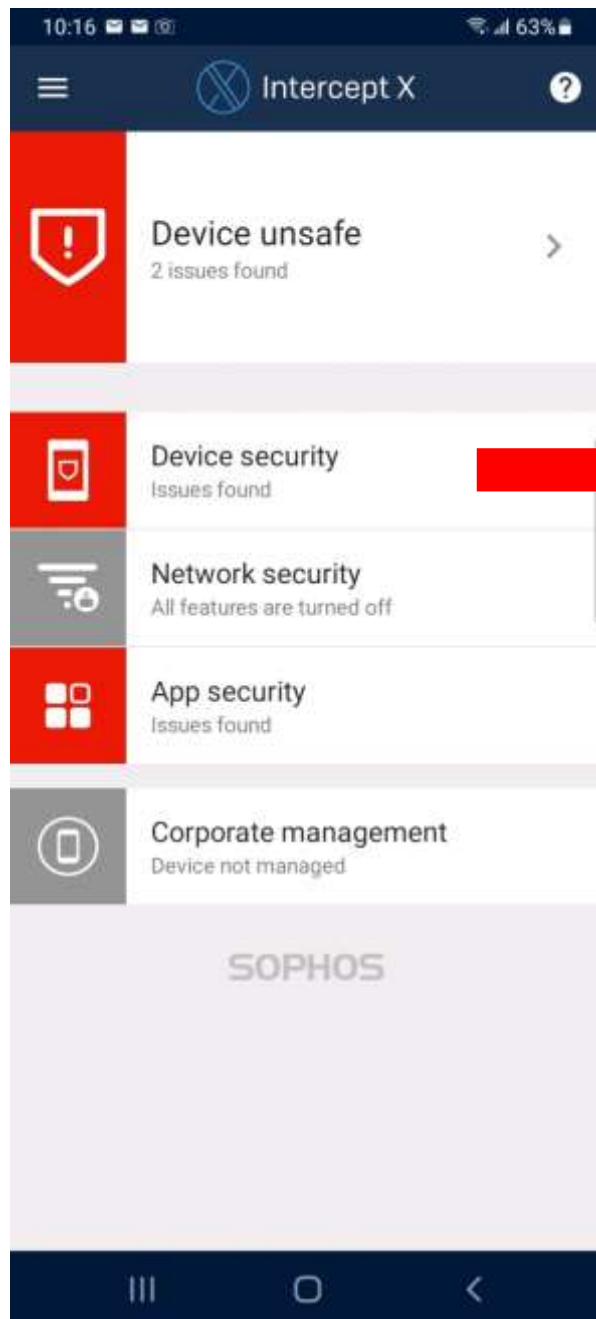
This permission is required to use Sophos Intercept X for Mobile

Allows the app to read the contents of your shared storage.

Sophos Intercept X for Mobile must access the storage provider to detect and delete malware and to write trace and log information to the USB storage and/or the SD card.

Various permissions are required to allow Sophos to access files







Device protected

No issues found



Device security

No issues found



Network security

No issues found



App security

No issues found



Corporate management

Device not managed

SOPHOS



Double check your virus scanner



- Windows Defender runs in the background – flawlessly – or does it?
- An occasional check on the status of the hard drive with respect to possible viruses doesn't hurt
- Use a free, on-line scanner as a one-off check



Free On-line Scanners

Several options – for example:

ESET

<https://www.eset.com/ca/home/online-scanner/>

Trend HouseCall

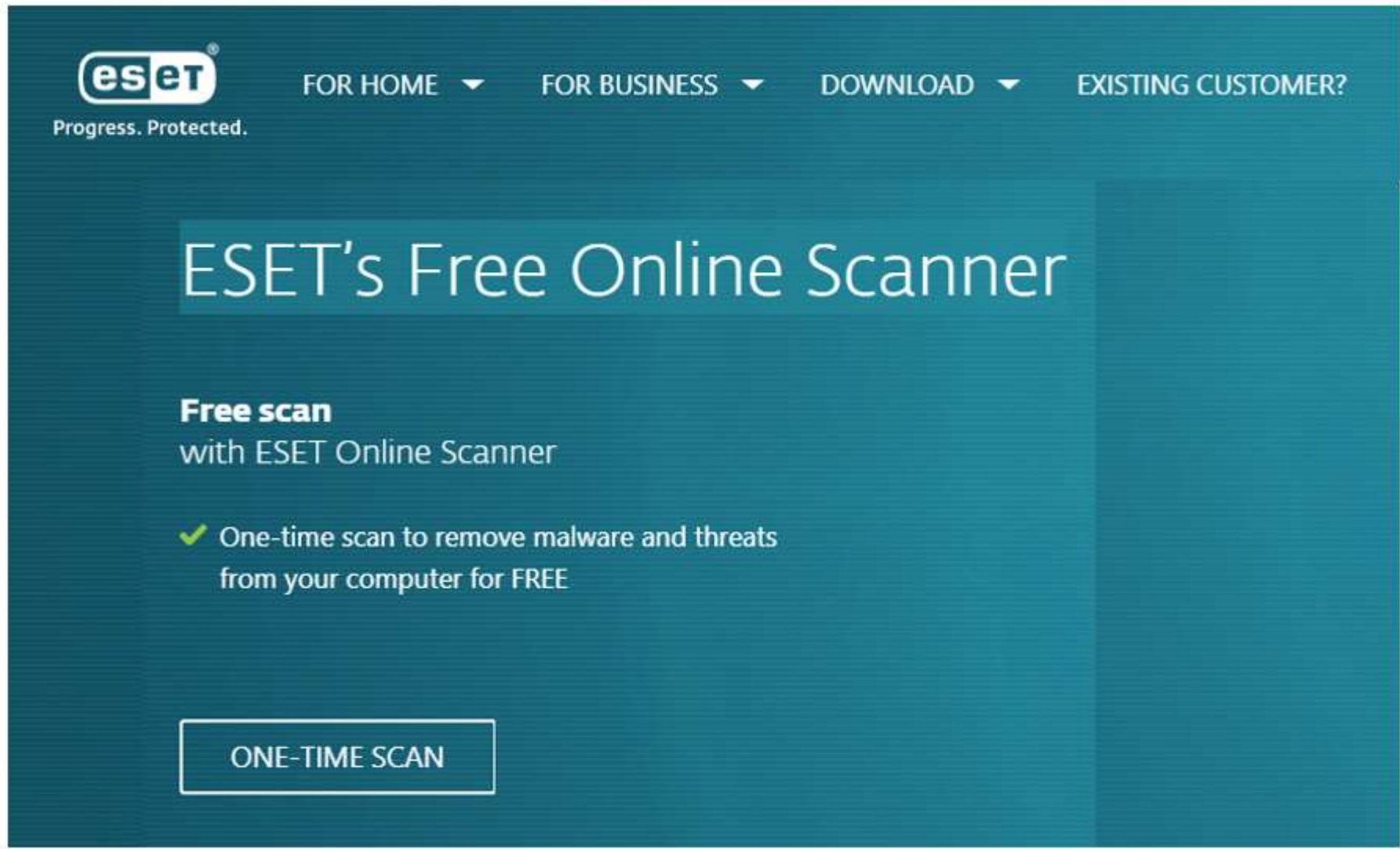
https://www.trendmicro.com/en_us/forHome/products/housecall.html

F-Secure

<https://www.f-secure.com/en/home/free-tools/online-scanner>



ESET Online Scanning Tool



The image shows the ESET Online Scanner website. The header features the ESET logo with the tagline "Progress. Protected." and navigation links for "FOR HOME", "FOR BUSINESS", "DOWNLOAD", and "EXISTING CUSTOMER?". The main heading is "ESET's Free Online Scanner". Below this, it states "Free scan with ESET Online Scanner" and lists a benefit: "One-time scan to remove malware and threats from your computer for FREE". A prominent button labeled "ONE-TIME SCAN" is at the bottom.

eSET
Progress. Protected.

FOR HOME ▼ FOR BUSINESS ▼ DOWNLOAD ▼ EXISTING CUSTOMER?

ESET's Free Online Scanner

Free scan
with ESET Online Scanner

✓ One-time scan to remove malware and threats
from your computer for FREE

ONE-TIME SCAN

ESET Online Scanning Tool

The screenshot shows the ESET Online Scanner website interface. At the top left is the ESET logo with the tagline "Progress. Protected." and a navigation link "FOR HOME". On the right, there is a link "SIGN UP FOR A FREE TRIAL" and a partially visible link "BECOMING A CUSTOMER?". The main heading is "ESET's Free Online Scanner". Below this, it says "Free scan with ESET Online Scanner" and lists a benefit: "One-time scan to remove malware and threats from your computer for FREE". A large button labeled "ONE-TIME SCAN" is highlighted with a yellow border. A white download dialog box is open in the center, asking "Download 'esetonlineScanner.exe'?" and providing file details: "File Name: esetonlineScanner.exe", "File Size: 14.57 MB", and "Host: download.eset.com". It also has an unchecked checkbox for "Always Save Files to Default Download Location" and buttons for "Save", "Save As...", "Open", and "Cancel".

ESET
Progress. Protected.

FOR HOME

SIGN UP FOR A FREE TRIAL

BECOMING A CUSTOMER?

ESET's Free Online Scanner

Free scan
with ESET Online Scanner

✓ One-time scan to remove malware and threats
from your computer for FREE

ONE-TIME SCAN

Download "esetonlineScanner.exe"?

File Name: esetonlineScanner.exe
File Size: 14.57 MB
Host: download.eset.com

☐ Always Save Files to Default Download Location

Save Save As... Open Cancel



ESET Online Scanner

One scan to remove all threats for FREE

English



Get started



Digital Security
Progress. Protected.

Terms of use

Effective as of October 19, 2021.

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1. **Software.** As used in this Agreement the term "Software" means: (i) computer program accompanied by this Agreement and all components thereof; (ii) all the contents of the disks, CD-ROMs, DVDs, e-mails and any attachments, or other media with which this Agreement is provided.

[Privacy policy](#)

Decline

Accept

Progress. Protected.

Before we start...

Customer Experience Improvement Program

We would like to collect anonymous information about how this product is used. The collected data will help us improve the experience for you and will never be shared with third parties. [What information do we collect?](#)

- ☐ **Yes**, I want to send anonymous data (recommended)
- ☐ **No thanks**, I am not interested

Detection feedback system

We would like to automatically collect information about suspicious objects, which we process to improve our detection mechanisms. This enables us to provide all ESET customers with the maximum level of protection.

- ☐ **Enable** feedback system (recommended)
- ☐ **Disable** feedback system

Continue

⬅ Choose a scan type

ⓘ Which scan should I use?



Full Scan

Scan the entire computer. It can take one or more hours to finish.



Quick Scan

Scan potentially vulnerable parts of the computer. It can take a couple of minutes.



Custom Scan

Scan specific file, folder or removable media.

Detection of Potentially Unwanted Applications

ESET can detect [potentially unwanted applications](#) and move them to the Quarantine. Potentially unwanted applications might not pose a security risk but they can affect your computer's performance, speed and reliability, or cause changes in behavior.

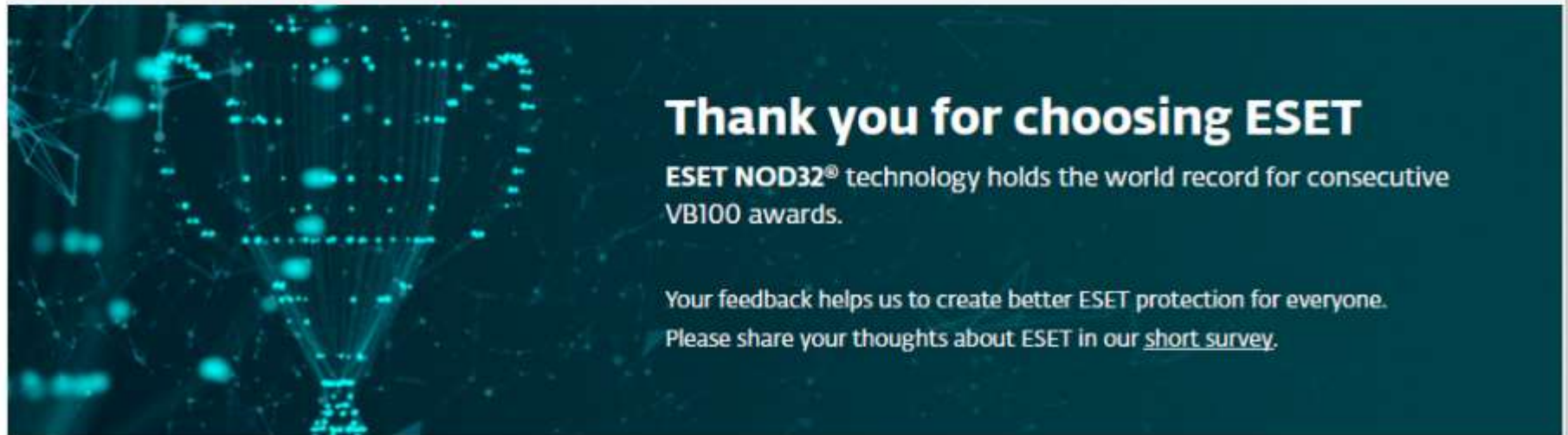
- ☒ **Enable** ESET to detect and quarantine potentially unwanted applications
- ☐ **Disable** ESET to detect and quarantine potentially unwanted applications

< Back

Start scan

Progress. Protected.

Getting ready to scan...



< || > 5 / 5

System is downloading module update... ⓘ

41 %



Progress. Protected.

Full scan in progress...

[What can I do during scanning?](#)



A firewall uses a set of rules to block or allow network traffic, in order to protect computers and networks from intrusion and attempts to take them over or misuse them.

A good IT security solution will offer a firewall to block unwelcome incoming traffic – and block outgoing data that might contain sensitive data or let intruders use your computer.

< || > 3 / 5

Detected objects

0

Currently scanned files

2492

Scan in progress

C:\EDR_Files\NHTSA\CISS\2017\20171013076_V2.PDF

||

X



Progress. Protected.



Detections occurred and resolved



Scan completed with detections: 1.

No threats found, only **potentially unwanted applications**.
We successfully cleaned all detections.

[View detailed results](#)



ONLINE SCANNER



Scan report

What do the results mean?

Unresolved detections

0

Resolved detections

1

Scanned files

592069

Duration

01:52:18

Target	Detection name	Action
C:\Users\Alan\AppData\Local\6AC3B58C_stp\icc.dll	a variant of Win32/InstallCore.ACL potentially un...	cleaned by deleting

Target	C:\Users\Alan\AppData\Local\6AC3B58C_stp\icc.dll
Detection name	a variant of Win32/InstallCore.ACL potentially unwanted application
Action	cleaned by deleting

Save scan log

Restore cleaned files

Continue

Progress. Protected.

Scan your computer every month

With Periodic Scan activated, ESET Online Scanner can automatically run a scan and clean threats from your computer once a month for FREE.

 Periodic scanning 

The next scan will automatically start: **on 2/27/2022 at 18:00.**
Don't worry, we will notify you first.

 [Change Periodic Scan schedule](#)

Continue

Progress. Protected.

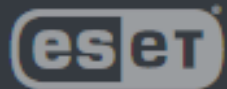


Thank you
for using ESET Online Scanner

How did it go? We would love to get your feedback.

To help us improve, we would like to ask you few questions.
Tell us more about your thoughts on ESET in a short survey ⓘ

Close

[FOR HOME](#)[FOR BUSINESS](#)[SUPPORT](#)[FREE DOWNLOAD](#)

[KB405] ESET Online Scanner FAQ

7. **How do I uninstall the ESET Online Scanner components from my computer?**

After every scan, you have the option to delete the ESET Online Scanner program files and components. Select the check box next to **Delete application data on closing** to automatically uninstall the scanner when you click **Submit and close**. However, if any files were quarantined, the ESET Online Scanner directories will not be removed.

Manual Uninstall: Delete the **esetonlineScanner** directory from the following location:
C:\Users\username\AppData\Local\ESET\ESETOnlineScanner\

<https://support.eset.com/en/kb405-online-scanner-faq>



Full Disk Encryption

- How can you turn on full disk encryption in the BIOS screen safely?





Desktop Icons

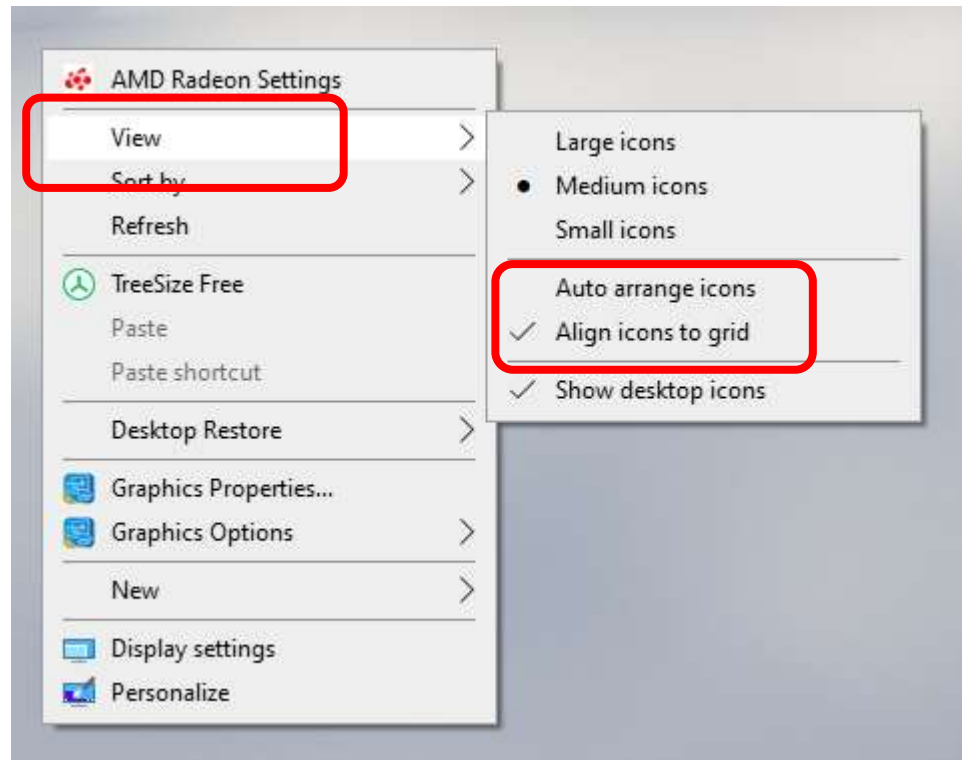
- Why do my desktop icons get disarranged every month or so?



A

Some ways icons are moved

- Change screen resolution
(e.g. presentation using LCD projector)
- Windows – *Right-click on the desktop – View – Auto arrange icons/Align icons to grid*



Desktop Restore

(Save/restore the desktop layout)



[Program](#)

[Forum](#)

[MIDI Yoke](#)

[MIDI Tools](#)

[XGC](#)

[Desktop Restore](#)

[HP16C](#)

[FAQ](#)

Desktop Restore: [DesktopRestoreInstall.exe](#) (Win 7, Win 8, Win 8.1, Win 10)

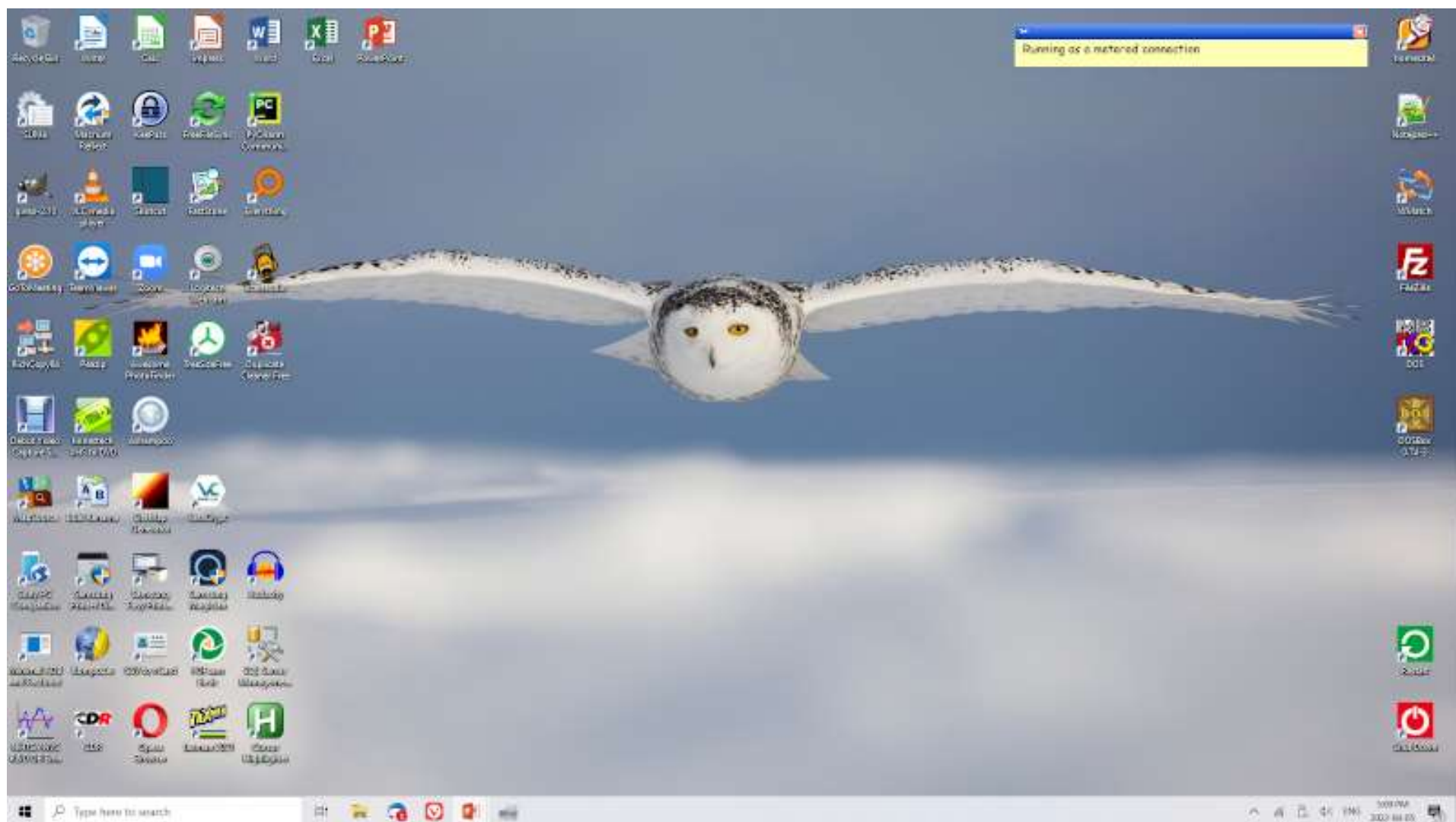
Note: Dual mode installer. Contains x64 and x86 versions. It will install the appropriate version for your OS. Tested under Win 7, Win 8.1 and Win 10, but may also work on earlier versions of Windows. The installer now also contains the command line version (**DesktopCmd.exe**). Both programs are version synchronized.

■ Desktop Icon Save and Restore

■ Version	1.7.2 - [01/10/20]
■ Platform	Windows 7, Win 8, Win 8.1, Win 10
■ Install File Size	1766K bytes
■ License	Freeware
■ Author	Jamie O'Connell
■ Description	Save and restore the layout of the Windows desktop icons.

<http://www.midiox.com/desktoprestore.htm>







**Any other:
Questions
Comments
Shares?**

Basic photo editing

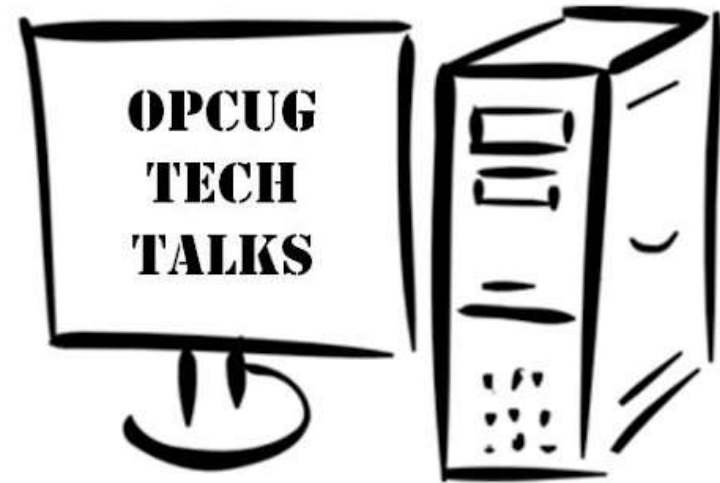
May 2nd, 7:00 pm

How many times have you looked at a photo and wished you could brighten just the main subject? Or perhaps you had an image printed and don't like how the store cropped it. Are the colours in your photo less vibrant than they were in person?

Lynda Buske will show how all these issues can be addressed using free photo editing software available for both Windows and MacOS.

Full details at:

<https://opcug.ca/events/photoediting/>



Lynda Buske

Registration required

*Free for OPCUG members
\$20.00 for non-members
(including one-year membership)*

April Meeting

Office SMACKDOWN

Alan German and
Chris Taylor

April 13, 2022; 7:30 pm





No Q&A on
April 13
(Monthly Meeting)



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

SuggestionBox@opcug.ca

