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The Digital Viking



Twin Cities

PC USER GROUP

NEWSLETTER

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*TC/PC Exists to
Facilitate and Encourage
the Cooperative Exchange of
PC Knowledge and
Information Across
All Levels of Experience*

February 2023

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**General Meeting
Tuesday, February 14, 2023
7:00 PM**

**Two-factor authentication(2FA) /
SIM Swap Attack
Presenter: Jim Grotz
Via Zoom Only**

Are you required to use Two-factor authentication by your financial service providers including mutual funds, bank accounts, brokerage firms or retirement plan accounts? Be sure to attend this meeting to learn of the risks of using your cell phone for two-factor authentication. Possible solutions to this problem will also be discussed.

Two-factor authentication was touted as a means to provide an additional layer of security for your online accounts. The first "factor" is your usual account password that is standard for any online account. The second "factor" is a verification code usually retrieved from a user's app on a mobile device

A SIM swap attack / scam (also known as a port-out scam, SIM splitting, Smishing or SIMjacking according to Wikipedia) is a type of an account takeover fraud that targets a weakness in the 2FA process in which the second "factor" is a text message or call placed to a phone.

Jim Grotz will discuss, show supporting videos and offer suggestions on how to protect yourself. He will offer suggestions on how this crime could be deterred based on his experiences and seek input from viewers. The goal of this presentation is to make viewers aware of this fast growing cybercrime and to prevent this crime from happening to you.

Note: All TC/PC Meetings and SIG Groups will be virtual until further notice. Visit tcpc.com for info.

Tech Topics with Jack Ungerleider via Zoom at 6pm before the General Meeting.

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24-Hour Information • www.tcpc.com
Application form inside back cover

The Digital Viking

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Full page (7½ x 9½)	\$100.00
Two-thirds page (7½ x 6)	80.00
Half page (7½ x 4¾)	65.00
One-third page (7½ x 3)	50.00
Quarter page (3½ x 4¾)	40.00
Member Bus. Card (2 x 3½)	10.00

Multiple insertion discounts available.

Contact Sharon Walbran at: SQWalbran@yahoo.com

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Payment must accompany order unless other arrangements are made in advance. Place make checks payable to: Twin Cities PC User Group

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Meets once or twice per year. All members welcome to attend.

Visit www.tpc.com for meeting details.

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Up to 5 newsletters mailed to
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(only a nominal cost for each
additional 5 mailed)

Newsletter Staff

Editor Sharon Walbran

Cheaper to Buy than Build?

By David Kretchmar, Hardware Technician

Sun City Summerlin Computer Club

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Many experts suggest you replace a computer about every six years. Usually, by the time a computer is six years old, it is nearing the end of its useful life or at least is in danger of becoming unreliable. At some point in our relationship with any computer, the machine will slow and begin to test our patience. Unfortunately, users will often tolerate a system's sluggishness for far too long rather than deal with the hassle of setting up a new computer, even if they can reasonably afford a new system.



Users who like to stay on the bleeding edge of hardware technology will replace their systems every couple of years, but many do not believe in paying up to have the latest and greatest hardware. For most users, the “sweet spot” is hardware that has been out for at least a couple of years. After that, the price has usually dropped substantially, and any bugs have usually been discovered and worked out.

Since I use my computer for Virtual Reality gaming (for the grandkids, of course) and I like a fast computer, I tend to “overbuild.” As a result, I invest in hardware well above the minimum recommended specifications for my operating system, which has always been the latest version of Windows.

Better hardware should support a computer life span well above six years, possibly with some upgrades along the way. But no matter what, I usually notice some performance degradation before six years. “Not responding” notifications not caused by program bugs but by a lack of system resources will start to appear, and the computer will lose the snappy responsiveness that a good system should deliver.



So, it was time to replace my six-year-old computer. Since 2001 I have enjoyed building my computer system from scratch. Building from scratch or “rolling your own” in the language of computer geeks allows you to select each component individually and avoid the no-name components used by many computers assembled for the general market. Third-party computer builders and sellers such as HP or Dell often use name-brand components for key items such as the CPU, at least in part for advertising purposes, but then skimp on other vital parts such as the motherboard and power supply (PSU). This results in a computer that might appear to have decent specs but will be barely adequate in the future and likely not be upgradeable.

In addition to having a faster, more reliable, longer-lived computer, I have saved substantial money by building it myself. But in 2022, the new computer landscape has changed. Buying a computer assembled by at least one manufacturer, Cyber Power, resulted in an excellent system that saved me about \$300, or about 30%, compared to buying the individual components and assembling a system. Plus, it was a lot less work both shopping and assembling! In addition, I found that Cyber Power used individual quality components, most of which I would have chosen myself. Of course, other third-party builders also offer a similar advantage today, but Cyber Power offered the most dramatic savings.

This is the pre-built system I bought:



CYBERPOWERPC Gamer Xtreme VR Gaming PC, Intel Core i5-11400F 2.6GHz, 8GB DDR4, GeForce RTX 2060 6GB, 500GB NVMe SSD, WiFi Ready & Win 11 Home (GXiVR8060A11)

Visit the CyberpowerPC Store

★★★★★ 903 ratings | 168 answered questions

Amazon's Choice in Tower Computers by CyberpowerPC

-5% \$964⁹⁹

List Price: \$1,014.99

prime One-Day

& FREE Returns

Get a \$100 Gift Card: Pay \$864.99 ~~\$964.99~~ upon approval for the Amazon Prime Rewards Visa Card. No annual fee.

May be available at a lower price from other sellers, potentially without free Prime shipping.

https://www.amazon.com/dp/B09DHP9M9G?psc=1&ref=ppx_yo2_dt_b_product_details

This is my analysis of the cost of buying each component individually:

Intel Core i5-11400F 2.6GHz	\$170
8GB DDR4 RAM	\$ 30
GeForce RTX 2060 6GB video card	\$620
500GB NVMe SSD,	\$70
Gigabyte b560 ds3h ac MB	\$120
600 W PSU	\$ 60
Windows 11 Home	\$130
Case	\$80
Total	\$1280

I shopped around for the components and attempted to find the best price for each one. I did not include sales tax or shipping for the pre-built system or the components.

My only issue with the pre-built system is the RAM; 8 GB of memory is just standard in 2022. Today 16 GB, 24 GB, and even 32 GB of RAM is what you would expect on a more powerful, somewhat future-proof computer. Fortunately, my old system has 16 GB of decent RAM, so I can beef up the RAM to 24 GB at no additional cost.

Conclusion

It is possible to buy a quality pre-built computer for the first time in memory for substantially less money and trouble than buying and assembling a system yourself. Some of this might result from supply chain issues, including video card availability and pricing. Today video cards are necessary for mining cryptocurrencies and other developing applications such as self-driving cars and other forms of Artificial Intelligence so that the demand will continue into the foreseeable future.

Images were copied from Google and Amazon. 

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Experts: DON'T Charge Your Smartphone or Tablet Overnight – Your Battery Will Thank You

Kurt Jefferson, Editor, Central Kentucky Computer Society

<https://ckcs.org/>

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Many of us who own iPhones, iPads, Android phones, or similar devices charge them while we sleep. So, as we're napping, our phones and tablets slowly charge their batteries. Then, when we awake, we're ready to take on the day, and so are the devices on which we depend—ready with a 100% charge.

Now, experts are spreading a new message: By charging our devices overnight, we might slowly be killing the battery. Techjury.net writes, "I know it's great to wake up and have 100% juice to carry you through the day. However, your cell phone battery needs only about two hours to recharge itself completely."

Techjury adds, "Experts' opinions on Li-Ion batteries are unanimous – you should keep your iPhone charged at 40%-80%. This is the optimal charge level of your iPhone (or any other smartphone, for that matter) to prolong its battery life. Sometimes this 20% could mean the difference between your iPhone lasting through the day or not. Still, charging your iPhone overnight to 100% often will decrease its battery capacity faster."

If you need more proof, ladbible writes, "Before going to sleep, most of us will put our phone on charge to make sure it's ready for the day ahead. But doing this could be causing damage to our iPhones, according to tech expert Adrian Kingsley-Hughes, writing for ZDNet."

"An iPhone can go from zero to 50% charge in about 30 minutes using a 20W charger, and then go to being fully charged in under two hours," writes Kingsley-Hughes.

He adds, "Given that an iPhone can charge up so rapidly, it doesn't make sense that we hook it up to a charger for eight hours a day.

That works out to a third of its lifetime."

Plenty of iPhone owners are unaware of this, but Apple introduced Optimized Battery Charging in iOS 13 for iPhone. So, if you're running that version of iOS or later, your device stops charging when it's 80% charged.

Optimized Battery Charging is switched on by default. (It's available only on the iPhone—not the iPad.)

If, for some reason, you want to turn off Optimized Battery Charging, visit Settings > Battery > Battery Health > Optimized Battery Charging.

Apple writes, "When the feature is enabled, your iPhone will delay charging past 80% in certain situations. Your iPhone uses on-device machine learning to learn your daily charging routine so that Optimized Battery Charging activates only when your iPhone predicts it will be connected to a charger for an extended period of time. The algorithm aims to ensure that your iPhone is still fully charged when unplugged."

Returning to the original question—why shouldn't you charge your device overnight?

The simple one-word answer is—heat.

Here's how Kingsley–Hughes explains it: "Heat is a killer of batteries. While there's nothing you can do about the normal wear and tear that a battery experiences from being charged and discharged, heat is something you can do something about. When your iPhone is connected to a charger, it gets warmer -- warmer than if it isn't connected, and even though that increase might only be a few degrees above room temperature, doing this overnight every night doesn't seem smart to me."

He writes that he has radically changed how he charges his iPhone.

Instead of charging it overnight as he sleeps, he now gives it one or two daily charges.

Under his new schedule, he charges his iPhone for 30 to 45 minutes directly after he awakes. (During this same period, he charges his Apple Watch.)

Then during mid-afternoon, he charges his phone for another 30 minutes so that the battery icon shows it's 80% charged. Kingsley-Hughes says that's usually enough of a charge to last until the next morning.

If he knows he'll be on a trip that keeps him inside his car, he takes a car charger or a power bank and recharges his phone using either of those measures.

In summary, he believes the new charging regimen stresses his iPhone's battery and charger less. And he uses a cable rather than a wireless charging system.

So, there you have it.

If you're still charging your iPhone, iPad, or Android device while you sleep overnight—stop it. Instead, find an alternative charging schedule.

Experts say your battery will live longer. 

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Fixing a Nasty Computer Hack

David Kretchmar, Hardware Technician
Sun City Summerlin Computer Club

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I recently completed a repair on a club member's computer after he allowed a "helpful" technical representative, probably from the other side of the world, to remotely access his computer. Unfortunately, the victim in this case apparently failed to read or heed my article in the November 2021 *Gigabyte Gazette* (https://www.scscclab.com/Gigabyte/gg_2021-11Nov.pdf) warning that these types of scams were becoming increasingly prevalent.

The "bait" in this instance was an official-looking email, supposedly from Cox, stating that the victim had been substantially overcharged on his Cox bill and he was due a refund of \$400. The victim telephoned the scammer using the phone number in the email. Next, he went online and downloaded and installed remote access software at her instruction. He then allowed the purported technical representative to initiate a remote access session and log into his system. The victim began to feel uneasy when he saw that things were being done on his computer that had nothing to do with Cox. He finally became alarmed and hung up on the scammer when she asked for his bank account information "to process his refund."



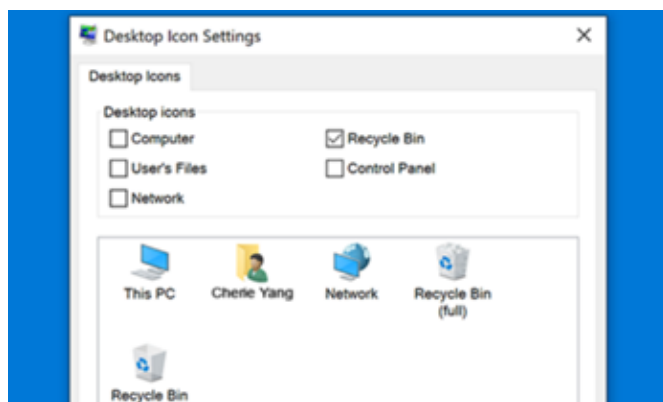
Unfortunately, this victim did not immediately shut off his computer, so the scammer could continue to mess with his system remotely, I suppose as a departing coup de grace for a failed scam. The victim could no longer access his computer, which displayed the Windows 11 "Gray screen of death" right after he entered his PIN during login. Microsoft has finally replaced its famous "Blue screen of death," which provided a bit of mostly useless information, with a "Gray screen of death," which provides no information.

The victim, who runs an online business, called me in a panic. This was especially interesting to me since I have had minimal experience working with pooched Windows 11 machines. I was curious to see if there was a substantial difference in addressing issues in Windows 11 versus Windows 10 (there was not, at least for this user's issue).

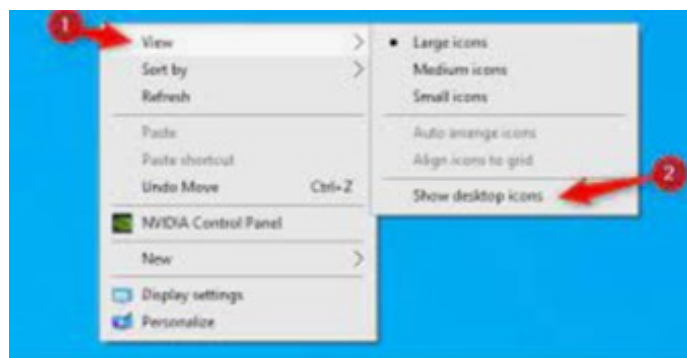
I researched the gray screen issue online and did not find much helpful information. Many writers suggested the problem was bad video drivers or a bad hardware connection. I knew there was no physical issue since the miscreant obviously never had physically assessed the victim's computer. And I doubted the graphics card drivers were the problem since messing with them would cause an immediate catastrophic system failure, even if it could be done remotely on the fly. After providing answers that did not solve the issue, many sites did offer to sell me their software, which they said would fix the problem. No thanks.

I finally decided to approach the Windows 11 system the way I would Windows 10. Getting past the gray screen of death was straightforward; I booted into Safe mode and repaired the Windows startup. When I finally got into the victim's computer, I removed the remote access software. Then I did a system refresh, keeping all of his original data files and programs but replacing all of the system files. I wanted to assure the club member that there were no nasty surprises on his system due to his encounter with the scammer.

Yet when I could finally boot to the victim's desktop, I saw something very strange. The victim's desktop icons, files, and folders had disappeared. I considered that the scammer could have put the victim's computer in tablet mode, which messes up the desktop. I learned that Windows 11 does not have a dedicated tablet mode. Again, an online search for the problem was mostly useless. Most writers suggested going to Personalize themes, Icons and checking the icons I wanted to appear on the desktop. This did not address the issue of nothing showing on the desktop, files, folders, and icons. Naturally, many of those offering useless advice online had a software package to sell, which they assured would fix any problems. Again, no thanks.



I found an article that suggested I right-click on the desktop, left-click on View (#1), then make sure "Show desktop icons" was checked (#2). Yes, that sneaky scammer had hidden everything on the victim's desktop with three clicks of her mouse. However, when I left mouse clicked on "Show desktop icons," the victim's desktop appeared normally. This was the first time I had seen a scammer throw two problems onto a victim's computer.



When contacted, a scammer will often state that to help you, they must remotely access your system. They will try to get you to download remote access software that will give the scammer access to your computer. Just say NO! There are few legitimate reasons someone needs to access your computer to provide assistance.

I mentally divide computer hacks/scams into two categories: tarantulas and scorpions. Tarantulas are big and scary looking, yet their bite is virtually harmless to humans. The most dangerous scorpions are the tiny ones you are likely not to see until they have stung you, and they can send you to the emergency room or at least to bed for a day or two. The unfortunate victim in this story ran into a scorpion that stung him twice. The sting would have been even worse had he allowed them access to his bank account. 🖥️

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Microsoft Windows in "S Mode"

News and/or Opinion from the SHCC Editor

By Paul Baecker

September 2022 WYSIWYG issue

<http://www.SterlingHeightsComputerClub.org>

Newsletter (at) sterlingheightscomputerclub.org

Someone recently asked me for my opinion on a sale-priced laptop at a local store and whether I'd recommend its purchase.

An HP laptop with an Intel i5 CPU with a Passmark rating of 691, 8GB of RAM, 256GB SSD, 17" screen, Windows 11, backlit keyboard, and full HD display. All in all, a decently powered mobile PC on sale for only \$399, advertised as "\$300 off their regular price."

What could be wrong with this selection?

Windows 11, that's what could be 'wrong' with this selection. However, looking closely at the specifications of this offering indicated that the version of Windows 11 that came installed on this laptop was "Windows 11 Home in S Mode."

I had never heard of "S Mode," so this would be a new education for me. "S Mode" (Windows 10 or 11) basically limits you to accepting applications only from Microsoft. However, they say that "S mode is designed for security and performance, exclusively running apps from the Microsoft Store. So if you want to install an app that isn't available in the Microsoft Store, you'll need to switch out of S mode".

But this laptop isn't such a bad purchase after all (if you are on a budget and accept the small drive size and the middle-of-the-road Passmark CPU score) because you can "leave" Windows S Mode at any time. This will result in your new PC having the full Windows Home edition. The only caveat is that you cannot reverse this decision. But I suspect that for most PC users, this would be the right permanent direction to go anyway.

See below links to review articles about Windows S Mode (for Windows 10 and 11) — what it is and how to leave it.

When shopping for a new PC, always study the specifications sheet for each of your purchase candidates so that you don't encounter unexpected surprises after your eventual choice. But be aware that the specifications list for a PC on any particular store's website may not be complete, and some of the spec info listed there may also be inaccurate (which happens too often!), so double-check the information about your potential purchase, perhaps on the PC manufacturer's web site.

Also, purchase from a retailer that offers a return policy without any restocking fee. In my opinion, if you can't test-drive your selection in the store, you should be able to do so at home and return it at no charge if it doesn't meet your expectations. (Be sure to delete all your files and footprints before returning the device! Maybe even re-install the Operating System on it to accomplish that entirely.) Most retailers offer a free 14-day return policy. Costco offers a very generous 90-day return policy (as well as great sale prices on equipment).

Switching out of Windows "S Mode" results in a full Windows Home edition and cannot be reversed.

https://support.microsoft.com/en-us/windows/switching-out-of-s-mode-in-windows-4f56d9be-99ec-6983-119f031bfb28a307#WindowsVersion=Windows_11

Some low-cost Windows PCs and tablets ship with Windows 11 Home in S Mode. Here is the process for switching out of S Mode.

<https://www.pcworld.com/article/545076/how-to-switch-out-of-windows-11-in-s-mode.html> 

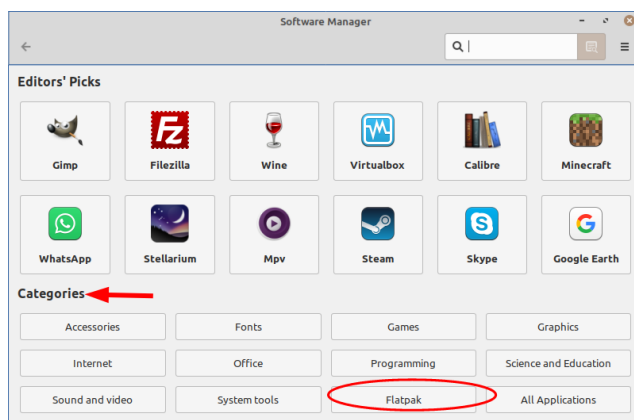
Flatpaks with Linux Mint

By Cal Esneault, Past President and leader of many Open-Source Workshops & SIGs
Cajun Clickers Computer Club

<https://www.clickers.org/>
cpesne (at) bellsouth.net

Linux software is installed using pre-compiled “packages.” The traditional method, called dynamic packaging, separately installs the main application and additional supporting sub-components (“dependencies”). Mint uses the Debian package management system and provides a graphical Software Manager program to help users install new software. To minimize developer efforts, new software versions usually only appear at two-year intervals (note: security and bug fixes appear as soon as they are available).

Recently, Mint has included the ability to get more recent software using the Flatpak container method. A “container” packages the main program and dependencies as a single unit. Flatpak applications are universally available from flathub.org and are maintained by software developers. The Linux Mint software manager has a special section for Flatpak programs (see below). Installation is analogous to the standard method. About 200 Flatpak applications are available at this time.




When installed in this manner, the application will be “integrated” into the menu system (it appears just like any other app). It can also be removed using the software manager.

While it may be rare that you urgently need a brand new version of standard programs (such as LibreOffice, GIMP, Inkscape, etc.), Flatpaks are very useful in obtaining apps typically unavailable through legacy packaging. A short list of some of these programs is given below.

Discord	Text chat for gamers; phone calls; replaces Skype
Gradio	Browse, search, play radio stations
Bitwarden	Password manager, sync among various devices
Visual Studio	Microsoft proprietary code packaged in a flatpak
Viber	Message or call via PC or mobile
Brackets	Code editor for HTML, CSS, and JavaScript
Shortcut	Video editor for Mac, Windows, Linux
Signal	Voice/Video private calls (PC and Phone)
Slack	Linux version; chat with team members
ElectronMail	Desktop client for ProtonMail
VueScan	Scanner software for Linux, Mac, Windows

Although Flatpak packages come from outside sources and are not compiled by normal reputable groups (Debian, Ubuntu, Mint, etc.), security is enhanced by isolating them from the main OS and from other programs (known as “sandboxing”). Also, developers are helped by writing their interfaces to comply with Flatpak runtime code versus standard Linux OS methods. Finally, some available programs usually run on Windows or Mac OS.

Flatpak apps are a way to augment your standard Linux Mint packaging system, not replace it. Flatpak and other container systems (Snap, AppImage) are established but still developing protocols to address issues raised by the Linux community. Try one out to see how you like the new way. 

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Interesting Internet Finds – May & June 2022

By Steve Costello

scostello AT sefcug.com

While going through more than 300 RSS feeds, I often encounter things I think might interest other user group members. The following are some items I found interesting during May 2022.

Amazon Dropping MOBI Support On Send To Kindle Apps

<https://blog.the-ebook-reader.com/2022/05/03/amazon-dropping-mobi-support-on-send-to-kindle-apps/>

Kindle users do not panic! MOBI files on your Kindle will still be readable. All this means is that you will no longer be able to use ‘send to Kindle’ apps to send MOBI files to your Kindle.

I Lost My Phone With My Second Factor For Authentication. How Do I Recover?

<https://askleo.com/i-lost-my-phone-with-my-second-factor-for-authentication-how-do-i-recover/>

I know some people are hesitant to use two factor authentication for this reason. Leo explains how he would recover from that scenario. (Note: I use 2FA everywhere I can, and have not had a problem. The key is to think about how to handle this and prepare for it before it ever happens.)

Gas Prices In Google Maps: Here's How To Find Them

<https://9to5google.com/2022/05/13/how-to-find-gas-prices-with-google-maps/>

With the price of gas on the rise, it is even more useful to be able to find the best price. This post shows how to find gas prices while using Google Maps. (Note: This knowledge came in handy during a recent road trip. Prices differed by over twenty cents a gallon within a hundred miles during the trip. Without being able to see the prices in Google Maps, I would have almost surely spent a lot more for gas.)

Android Cellular Data Not Working? 8 Ways To Fix

<https://helpdeskgeek.com/help-desk/android-cellular-data-not-working-8-ways-to-fix/>

It is not a question of if, but when your android cellular data will stop working. When it does, refer to this post for cures most likely to work. (Note: I lose my android cellular data at least once a month for some reason but usually get it back in minutes using one of these fixes.)

Is It Dangerous To Use Free Stock Photo Websites?

<https://www.plagiarismtoday.com/2022/05/18/is-it-dangerous-to-use-free-stock-photo-websites/>

This is an interesting article for the editors and bloggers that use photos from stock photo websites. Just because it is free from a stock photo website does not mean it is safe to use. Check out the advice in this post before using just any stock photo website photo.

How To Use Google Chromecast Without Wi-Fi

<https://www.groovypost.com/howto/use-google-chromecast-without-wi-fi/>

If you have a Chromecast and, for some reason, end up without wi-fi access, this post offers some suggestions for still using the Chromecast. (Note: I have saved this where I know I can access it as I live in Florida and it is hurricane season.

How To Legally Download A Windows Virtual Machine

<https://www.maketecheasier.com/legally-download-windows-virtual-machine/>

If you want to check out the Windows operating system, this post is for you. In this post, you find out how and where to download a legal Windows virtual machine and how to secure it for use.

The Write Conversation: Why NOT To Give Away Your Presentation Slides

<https://thewriteconversation.blogspot.com/2022/06/why-not-to-give-away-your-presentation.html>

This article is for those who give presentations to user groups or other gatherings. The author outlines several reasons you should not giveaway your presentation slides and suggestions of what to do instead.

Peppering Your Passwords

<https://firewallsdontstopdragons.com/password-manager-paranoia/>

In this post are some suggestions for creating and keeping track of your passwords. This is not an all-encompassing solution by any means. (Note: I am interested in password security, so this kind of post always gets my interest.)

Stop Using Your Tablet Like An eReader

<https://www.reviewgeek.com/121521/stop-using-your-tablet-like-an-ereader/>

This post explains, and I agree, why you should stop using your tablet as an ereader, and instead get a dedicated ereader (not necessarily a Kindle) for reading ebooks. (Note: I have both a Kindle and a tablet but, I use the tablet only for reading emagazines not ebooks.)

If I Leave My Computer Always On, Am I More Likely To Be Hacked?

<https://askleo.com/if-i-leave-my-computer-always-on-am-i-more-likely-to-be-hacked/>

I hear this question all the time myself. Leo Notenboom explains the pros and cons. Also, Leo explains how to make sure it is the least likely to be hacked.



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Special Interest Groups (SIGs)

w Work phone h Home phone c Cell phone
* Meets at an alternate location

Most SIGs will meet at Edina Executive Plaza, Conference Room #102, 5200 Willson Road, Edina, MN

Confirm with a SIG group if they meet elsewhere.
For more info contact the SIG Leader(s) listed here.

Get SIG announcements!
Link from www.tcpc.com

Board of Directors*

All members are welcome! Check www.tcpc.com for location.

Selected Saturday mornings

Linux on Saturday

This is for the Linux newbie and those trying to come over from Microsoft to a different operating system.

Second Saturday @ 9 AM-Noon

Note: No Meetings June-August

Jack Ungerleider 612/418-3494 c
jack@jacku.com

Tech Topics

Technical presentation/discussion on various technical topics from the following areas:

- Web/Internet
- Mobile Devices and Apps
- Playing with Programming
- DIY (3D Printing, R-Pi, other hobby electronics, etc.)

Second Tuesday @ 6:00-7:00 PM

Every month

Right before the general meeting.

Jack Ungerleider 612/418-3494 c
jack@jacku.com

Microsoft Access

All levels. Presentations by expert developers within the group and by MS reps.

Third Saturday 9:00 AM—Noon

Note: No Meetings June-August

Steve Kuhlmeier 952/934-8492
skuhlmeier@hotmail.com

Microsoft Office

Addresses the use, integration, and nuances of the Microsoft Office applications.

Combined with Systems on Saturday

Third Saturday of the Month

9:00 AM—Noon

Note: No Meetings June-August

Steve Kuhlmeier 952/934-8492
skuhlmeier@hotmail.com

Directions to Accord, 1515 Energy Park Drive for General Meetings:

From I-94 in St. Paul, take the Snelling Avenue exit, then go north on Snelling Avenue about one mile to Energy Park Drive. Take Energy Park Drive and take the first left into the driveway to 1515 Energy Park Drive.

From I-694 or Hwy 36 in St. Paul, take the Snelling Avenue exit, then go south on Snelling Avenue past Como Avenue to Energy Park Drive. Take Energy Park Drive and take the first left into the driveway to 1515 Energy Park Drive.

Directions to Edina Executive Plaza for Systems on Saturday, Access, Word and Picture Perfect SIGs: Take Highway 100 to the 50th Street/Vernon exit. [If you have come from the north, cross back over Highway 100 to the east side.] Take the first right and go past Perkins [The golf course will be on your left.] and continue on the east frontage road (Willson Road) to the next building—5200 . There is ample parking in the building's lot. Conference Room #102 is on 1st floor.

Help yourself by helping others!

Join the team & share your knowledge with others.

Contact TC/PC at www.tcpc.com

Meetings start at 7:00 PM (9:00 AM on Saturday) unless otherwise noted. *Virtual Meetings during Covid pandemic.

February

March

SUN	MON	TUES	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11 Linux on Saturday SIG 9am—Noon
12	13	14 7pm General Mtg 2-Factor Authentication & SIM Swap Attack -Jim Grotz 6pm Tech Topics	15	16	17	18 MS Office SIG (includes Access) 9am—Noon
19	20	21	22	23	24	25
26	27	28	1	2	3	4
5	6	7	8	9	10	11 Linux on Saturday SIG 9am—Noon
12	13	14 7pm General Mtg TBA 6pm Tech Topics	15	16	17	18 MS Office SIG (includes Access) 9am—Noon
19	20	21	22	23	24	25
26	27	28	29	30	31	

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You have just read an issue of The Digital Viking.

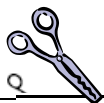
Would you like to receive this delivered directly to your email or business each month?

As a member of TC/PC, the Twin Cities Personal Computer Group, one of the benefits is reading this monthly publication at www.tcpc.com.

As a member of TC/PC, you may attend any or all of the monthly Special Interest Group (SIG) meetings and be eligible for software drawings. The small membership fee also includes access to real-live people with answers via our helplines, discounts, and various other perks.

Does membership in this group sound like a good way to increase your computer knowledge?

It's easy to do! Simply fill in the form below and mail it to the address shown.
(If you use the form in this issue, you will receive an extra month for joining now.)



Here's the info for my TC/PC Membership:	I'm signing up for:	2/23
Full name _____	<input type="radio"/> Individual/Family Membership (\$18)	
Company name _____	<input type="radio"/> Business Membership (\$100)	
Address _____	If an existing member your # _____	
City _____ State _____ Zip _____	Make checks payable to:	
<input type="radio"/> Home <input type="radio"/> Business <input type="radio"/> Change address: <input type="radio"/> Perm. <input type="radio"/> Temp. 'til _____	Twin Cities PC User Group	
Home phone _____ Work phone _____	341 County Rd C2 W	
Online address(es) _____	Roseville, MN 55113	
Where did you hear about TC/PC? _____	http://www.tcpc.com	
<input type="radio"/> I DO NOT want any of my information disclosed.	<input type="radio"/> Check # _____ <input type="radio"/> Bill me	
<input type="radio"/> I DO NOT want to receive any mailings	<input type="radio"/> New member <input type="radio"/> Renewal <input type="radio"/> Prior member	
	I'm interested in:	
	<input type="radio"/> Training classes <input type="radio"/> Volunteering	
	<input type="radio"/> Special Interest Groups: New User, Access, etc.	
	List here:	
Administrative Use Only Rec'd _____ Chk# _____		

February 14, 2023
7:00 pm
General Meeting

**Two-Factor Authentication/
SIM Swap Attack**

Presenter: Jim Grotz

Via Zoom Only



341 County Rd C2 W
Roseville, MN 55113

FIRST CLASS MAIL