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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*

January 2022

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General Meeting
Tuesday, January 11, 2022
7:00 PM

Show Us Your Gadgets

Via Zoom Only

It's your chance to shine! If you picked up a new gadget this last year or downloaded an app or tried a streaming service you think we should know about or found a new way to use some software, we want to hear about it. No need to prepare a long speech or PowerPoint presentation. Just jot down and share a description and what are the key features, why do we want to get it, and what is it going to cost us, if anything. 🖥️

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.

TC/PC is a
Member of



24-Hour Information • www.tcpc.com

Application form inside back cover

The Digital Viking

The Digital Viking is the official monthly publication of the Twin Cities PC User Group, a 501(c)(3) organization and an all-volunteer organization dedicated to users of IBM-compatible computers. Subscriptions are included in membership. We welcome articles and reviews from members. The Digital Viking is a copyrighted publication and reproduction of any material is expressly prohibited without permission. Exception: other User Groups may use material if unaltered and credited.

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Advertising

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

Deadline for ad placement is the 1st of the month prior to publication. All rates are per issue and for digital or camera-ready ads. Typesetting and other services are extra and must be requested in advance of submission deadlines.

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

TC/PC 2021-2022 Board of Directors

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

Visit www.tpc.com for meeting details.

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TC/PC Member Benefits

Product previews
and demonstrations

Special Interest Groups
Monthly Newsletter

Discounts on products
and services

Contests and prizes

Business Member Benefits

All of the above PLUS:

FREE ½ page ad on
payment of each renewal

20% discount on all ads
Placed in the *Digital
Viking* Newsletter

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

Newsletter Staff

Editor Sharon Walbran

3 for a Quarter – Tips & Tricks

By Debra Carlson, Editor, CLC Computer Club

Tech Notes, Q3 2021

cvc.computer.club (at) gmail.com

Number 1 – Refurbs

Buying items refurbished seems like the perfect solution. Products labeled “refurbished” are fully functional but can’t technically be sold as “new” anymore for reasons vary by manufacturer. Because of this, they’re typically cheaper though “hundreds of dollars” in unlikely for a current model.

Refurbished can mean something different depending on the manufacturer. However, it usually means that a product was purchased by a customer and eventually returned while still under warranty because the buyer had an issue. The machine is “repaired” and resold. The amount of upgrade/repair differs by manufacturer.

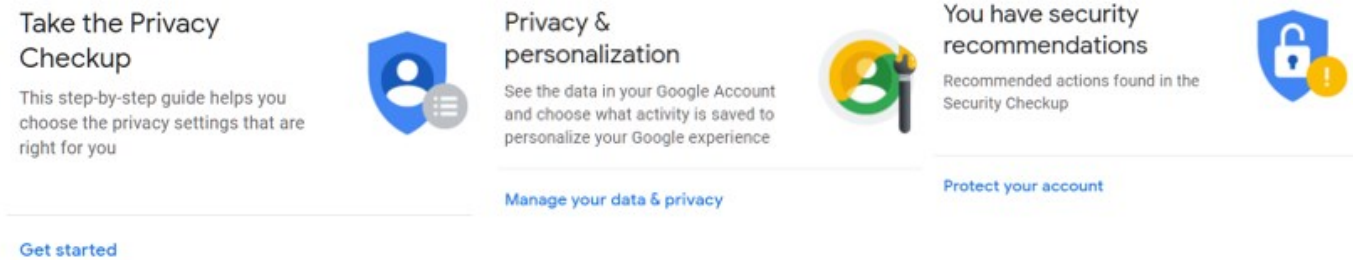
Many people assume all of the following definitions, seen on outlet sites, are refurbished. They are not. Here is the list of terms to help --

- Shipping and/or exterior damage: Dents, scratches, or other surface damage.
- Open box: Purchased, used, then returned by a customer. They might show small signs of wear and cosmetic damage but are considered “refurbished” because they were examined and found to be in resale condition.
- Unopened/returned: A return that was never even opened.
- Demo models: Products used in stores, displayed at trade shows, or loaned to reviewers might be repackaged and eventually sold as refurbished items.
- Renewed models: Generally, preowned machines have been cleaned and, perhaps, loaded with a new operating system for resale.
- Check with your retailer and for the certifications and warranties offered on machines (note: some open box machines, e.g., only carry what is remaining on the original warranty. If this was a display machine, the warranty might be almost over by your time of purchase.). Retailers that don’t offer a return policy are best avoided since you have no guarantee that you’ll actually get your money’s worth or have support if something malfunctions. Refurbished items being sold “as-is” are a gamble, so you have to weigh your purchasing decisions carefully.
- Good refurb machines can be great for trips or students where there is a higher possibility of breakage. They can also be great for learning “deep dives” before spending money for a new computing adventure.
- Remember to check out the current supported technology level and look at the life expectancy for the device. For example, if it is a certified refurb, but the model will not support operating system upgrades after two years, the device has a 2-year life. Is it worth the price you are paying with this in mind?

Number 2 – Google Privacy Check (and others) myaccount.google.com/data-and-personalization

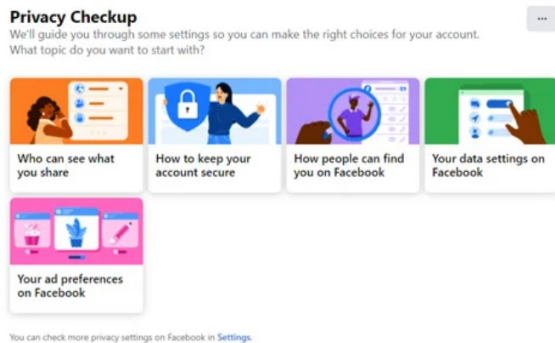
Go to the link above when you are logged into your Google account, and you might be surprised at the number of options available for your customization.

If you've never been through this area and you have a Google account, DO IT NOW. The



Google home page will have taunted you to do it – you may have even gotten emails about it. DO IT.

The Privacy checkup will walk you through all the settings.
Not a Google customer? How about Facebook?



Most online platforms let you choose at least some of your information that others can see or search. Review this often. Your information should be yours to control.

Note: 2-factor authentication. If you read email in a “client” rather than from a web page, you may avoid getting to your email. It’s worth asking for help or guidance on this option.

Number 3 Zooming with a Mouse

If you have a mouse with a scroll wheel, holding down your CTRL key in Windows and most Windows-compliant apps will Zoom in or out (up for in, down for out). Great for viewing small print on one part of a page.

Note: this will Zoom the currently viewed area of a page, so you will need to Zoom out to move to another area of the page. 

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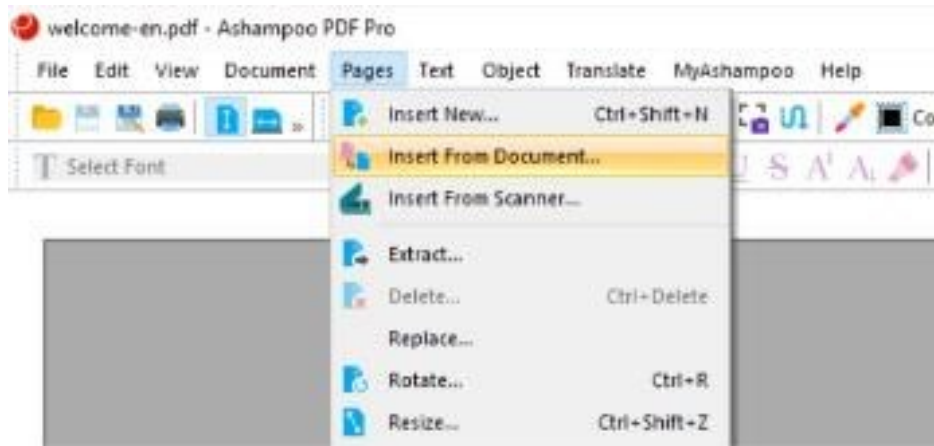
Ashampoo® PDF Pro 2 - Create and Open PDFs

By Jasmine Blue D’Katz, Lake County Area Computer Enthusiasts
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I have been using Adobe Acrobat for several years to save documents to PDF format and create text-filled forms. Along with Acrobat, I’ve used a few other Optical Character Recognition OCR programs like ReadIRIS and ABBY FineReader PDF to read and convert typed, handwritten, or printed text images into machine-encoded text, whether from scanned documents, photo, or a document.

Recently, I have had problems with ReadIRIS giving me out-of-memory errors when I load a scanned file, so I decided to try something new. I ran across an article about Ashampoo PDF Pro 2, which claimed to be the complete solution to manage and edit your PDF documents. Like the other programs, I will be able to convert, edit, merge, and protect my PDFs, create perfectly sized documents that are readable on any device, and use encryption to protect them when needed.

I have used Adobe Acrobat to create a form for the club applications, and Ashampoo PDF Pro is ideal for creating fill-out forms. It takes only a few clicks to add interactive elements, like selection lists, checkboxes, or input fields, to my PDF form. These forms can then easily be filled out by anyone using a standard PDF reader.



Convert documents into Word or other formats.

Another feature of Ashampoo Pro is the mature OCR engine that converts scanned characters into computer-editable text. The program also features seamless file exchange with Microsoft Word.

Although I have not found a need for the security features of encrypting a file, Ashampoo PDF Pro 2 uses up to 256bit AES encryption to allow PDF Pro 2 to secure my documents. Additional security can also be set by allowing a second (more secure) password to be set.

Ashampoo PDF Pro 2 for home use grants a single license that can be used for up to three PCs. The program was initially priced at \$69.99, but I recently found it for \$19.99 or at Amazon for \$29.99.

This program has been easy to use with its well-designed interface. In addition, there is a great website that provided me with comprehensive Q&A, which has handled questions that I have had.

All in all, a great PDF editing tool at a great price!

[Ashampoo® PDF Pro 2 - Best PDF Software & PDF-Editor for PDF files](#)



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Backup Using Windows 10 – Protect your Data (and System)

By Phil Sorrentino, Newsletter Contributor, Sarasota Technology Users Group

www.thestug.org

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As many of us have learned from hearing some sad stories, data backup needs to be an integral part of using our computers. As such, you would think that the Operating System developer would have included Backup as part of the OS; well, fortunately, they did. Not only did Microsoft include the ability to back up your data, but it included the ability to back up your system as well. Although Windows 10 offers these backup solutions, this has not always been the case. In the Operating System's early days (maybe all the way leading up to Windows 7), Data and System backup was left to third-party software developers, who provided software such as Acronis True Image, Goodsync, and Macrium Reflect. So, at this point, many of us are using other solutions for Backup, like FreeFileSync for Data backup and EaseUs Todo for System backup. But the Windows 10 features may be a good choice for someone who does not want to get involved with new applications but wants to start to protect their data at least, and possibly even have a System Image backup.

This may be obvious, but the reason for having a backup is to restore a file, a folder, or a collection of files and folders if something is accidentally destroyed or deleted. The backup is just a copy, an exact duplicate, and is not processed in any way so that the backup files can be used by any programs that could use the original files. (Most backup software does not process the data files at all, but some backup software does. Some backup applications process the files to make the resulting backup files smaller, probably to save

space, but this makes the files useable only by the backup application and not the original applications.)

So, first, let's review the difference between Data and System. Data is all the files created by applications. This could be documents which may be the output from Word or Excel, pictures that come from a camera or your phone, music purchased from iTunes, videos that have been produced by MovieMaker, financial and tax records that TurboTax may have produced, etc. Data is basically all the "stuff" you produce while using your computer software applications. Hopefully, in File Explorer, you have the "File name extensions" box in the View Tab checked so you can identify these files. Once that box is checked you will see file extensions on each file like .docx, .xlsx, .jpg, .png, .mp3, .wav, .mov, .avi, .ttax. Hopefully, most of these are familiar to you.

System, on the other hand, is a copy of the Operating System and all of its components (referred to as the Operating Environment), as they exist in the memory of your operating computer. This includes Applications installed like Photoshop, Virus, and Malware software like Malwarebytes, added Utilities like CCleaner, Drivers added to the OS, and Updates to all the above. The resulting System backup file(s) is typically referred to as an Image (of the Operating Environment). The Image can only be created by a specific imaging program, and the image created can then only be used by that same imaging program to restore the Image. (The reason for having an image is to be able to re-install your "Operating Environment" if, or rather when, a virus or hardware problem makes your system unusable. For example, ever have a Disk failure or a Malware infection?)

Now that we know what is being protected when we say Data or System Backup let us look at the backup features provided in Windows 10. The Data backup feature is in The "Update & Security" section of Settings. (Windows Start – Settings – Update & Security) Next, choose Backup in the list on the left. The backup feature is called "Back up using File History." The first step is to connect an external or portable drive to the computer using one of the USB connectors and then click the "+ Add a drive." Next in the list of drives, select the drive you just connected. This will change the "+" to "Automatically back up my files" with the switch set to "On." Your added drive is now set up to be the backup drive. Next, select "More Options" so you can determine how often your files are backed up (default is "every hour"), how long to keep your backup files (default is "forever," but "until space is needed" may be a better choice), and what files are backed up. (To remove a folder, click the folder and then click "Remove," to add a folder, click "+Add a folder" under "Back up these folders." There is even an "Exclude these folders" option at the end of the list of folders.) If, or when, you no longer want to backup to the drive shown, click "Stop using drive" under "Backup to a different drive." To restore a file or folder from a backup drive, choose "Restore files from a current backup" at the bottom of the "Backup options."

Creating a System Image is, as usual, a little more complicated. It is not in Settings, but rather it is in the Control Panel. Click the Search icon next to the Start button and type in Control. Select "Control Panel" and when in Control Panel select "Backup and Restore (Windows 7)." (I know this is Windows 10.) Choose "Create a system image" on the left side

of the "Backup or Restore your files" choose "Create a system image." On the "Where do you want to save the backup" screen, select a hard drive. Select the C: drive if it is not selected already on the "Which drives do you want to include in the backup" screen. And finally, on the "Confirm your settings" screen, review the settings and "Start the backup." You will also have to "Create a system repair disc" to use to boot your system. Restoring your System Image is done by selecting "Restore my files" on the bottom of the "Backup or Restore your files" screen. Creating a System Image is relatively easy; however, "Restoring" an Image takes a little training, even though the individual steps are not difficult. My practical feeling is that Restoring an image should be done only by, or with the help of, a tech-savvy friend. Even if you don't attempt to create/restore an image, make sure you backup your data.



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Did you bring it with you? – The cloud is always with you.

By Phil Sorrentino, Newsletter Contributor, Sarasota Technology Users Group

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There is just so much room on your phone for pictures, videos, music, and such. So, what if someone asks about that video of your grandchild or pet or that list of current movies that you keep up to date? They are probably right there on your computer... at home. And you probably think you can't bring your computer everywhere. Well, you're right; you probably can't or at least don't want to bring your computer with you every place, even if it is a lightweight laptop. You especially don't want to bring it if your computer is a desktop. So, here's a solution to this, not really too serious, problem. Keep those items in the cloud, your own personal cloud. You always have your phone with you, or at least that's what the statistics and casual observance leads us to believe. (85% of Americans have a smartphone [96% for people between 20 and 30], and from casual observance, 99% of those who have smartphones carry their phone all the time.) Smartphones don't have hard drives, and their storage is limited, so the cloud is essentially your phone's hard drive.




The cloud we're speaking of is the personal storage services available to all of us with a connection to the internet. Many cloud storage services are available, such as Microsoft's OneDrive, Google's Google Drive and Google Photos, Apple's iCloud, Amazon's Drive (formerly known as Cloud Drive), Dropbox, Box, SugarSync, Evernote, SpiderOak, and iDrive. Each of these provides a certain amount of memory storage for free. For example, OneDrive gives you 5GB, Google Drive gives you 15GB+, iCloud gives you 5GB, Amazon Drive gives you 5GB, Dropbox gives you 2GB. (The amount of free storage is subject to change, so check with the specific provider before you start sending all of your pictures to your new cloud storage account.) If you need more storage, in addition to the free amount, the cost for additional storage is pretty reasonable. For example, OneDrive will give you 50GB for \$2/month, Google Drive will provide you with 100GB for \$2/mo, Amazon will give you 100 GB for \$12/year or 1TB for \$60/year. Of course, prices for bulk amounts of storage vary from provider to provider. There are several different plans even from one

particular provider, so check out the plans and prices before you start to upload your total picture and video libraries.



Today Google Photos limit is 15MB, but up until this past June 1st, it had a little additional twist. Google Photos would store as many pictures and videos as you were willing to upload. There was a limitation on the quality of the pictures and the videos, but within those limits, they would store as many as you uploaded to Google Photos. (The picture limit was a photo of 16 megapixels, and the video limit was a resolution of 1080p.) Are you wondering why Google was so magnanimous? I know I was. When you use any of these services (and most Apps, for that matter), you agree to their policy agreement. The language in the agreement grants the company broad rights to reproduce, use, and create “derivative works” from the contents stored on Google Photos. (A “derivative work” is based on one or more preexisting works, which in this context implies pictures or videos, so it sounds like your picture or video could become part of a future picture or video creation. Some of the things they offer to users are albums of pictures of particular people or events of your choice. These albums are derivative works.) While the agreement confirms that the user retains the intellectual property rights, privacy advocates raise concerns that the license grants Google the right to use the information and data to customize the advertising and other services that Google provides. Basically, Google can use this information to develop targeted advertisements. They want to get to know you and your habits, and what better way than through your pictures and videos. After all, with the convenience and quality of the smartphone cameras, we could be creating a picture diary of our lives stored in Google Photos.

The fact that these popular cloud storage services are free and easy to use will probably make them useful for most people. But if security is a concern for you, you might consider the less known Tresorit storage service. The Tresorit storage service claims that “Many of the popular cloud-based services such as Dropbox, Box or OneDrive usually employ server-side encryption.” In essence, this means that any data you store on their servers is encrypted using a master key to which the server administrators have access, but you do not. With this type of encryption, you have to trust that your cloud storage provider will not be subjected to a court order to hand over data. (If you have that kind of concern, you may need to re-think the whole reason you are using the cloud.) More probably, the concern would be that it might be hacked by an outside party or disgruntled employee. Tresorit says that it uses a different approach in that its encryption technology secures your files so they cannot be decrypted in the cloud. This makes them much safer because you control the encryption key. No one else can access your data, not even the company’s administrators. Only you can un-encrypt your files. So if security is your main concern, you might want to look at the Tresorit storage service. But for most of us, without an unusual need for security, the popular storage services will probably do just fine.

So, by using one or many of these storage services, you can now have all of your information available to you anywhere, anytime. You’ll always be able to show those latest pictures of your grandchildren or the one of two cats playing with a cute little dog (as long as you have a connection to the cloud). 

Hoopla – Fran & Ollie

By Phil Sorrentino, Newsletter Contributor, Sarasota Technology Users Group

www.thestug.org

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No, that was Kookla, Fran & Ollie. (Well, that probably gives away the fact that I grew up in the 1950s near New York City.) But the important point here is that Hoopla is a (new) free Movie Streaming service offered by many county library systems. In Hillsborough County, it is being provided by the Hillsborough County Public Library Cooperative, HCPLC. Many of us are probably familiar with borrowing ebooks and audible books from the library using Overdrive or Libby on our mobile devices (phones and tablets). However, Hoopla provides a little bit more. Hoopla is a website and an App (for mobile devices) that allows you to borrow movies, TV shows, and music selections as well as ebooks and audible books. If the idea of borrowing books and movies using your phone or tablet is new, try some of the YouTube videos on the subject. Just Google “Hoopla,” scroll down to the Video section, and choose the one that sounds like it may be helpful. While you are there, you may as well watch all of them to give you the best introduction to the idea of going to the library without ever leaving your house.

The website is “hoopladigital.com,” and an app is available for Windows, Mac, iOS, and Android. The icon for the mobile app looks like this:



Hoopla is a cloud-based digital media platform that enables users to instantly borrow entertainment media and educational material via the website or the Hoopla mobile app on a tablet or smartphone. Library cardholders of libraries that support Hoopla have unlimited access to the library’s collection of digital media. Hoopla is a streaming service, and when it comes to streaming services, they are all vying for your time, and most of them are also after your money, but as said above, Hoopla is free. Hoopla is more like a library than a “blockbuster” store. You can think of Hoopla as a free pay-per-view video streaming service, like Netflix or Hulu, where your public library has picked up the monthly membership fee.

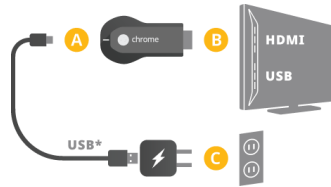
All you need is a library card, and you can get an account. (If you have multiple library cards, say from a library in Florida and a card from a library up north, you can get an account for each of those libraries and possibly double your access to entertainment and information media.) Once you have an account, you can borrow movies, TV shows, music CDs, ebooks, audible books, and comics (cartoons). When you borrow these, like borrowing items from any library, there are some limits. All libraries may not be the same as HCPLC. HCPLC allows you to borrow 20 movies per month. When you borrow a movie, you can have it for three days. If you do not “early return” the movie, it will be automatically returned at the end of the three-day period. Because of this

automatic return at the end of the borrowing period, there are never any late fines. HCPLC has a pretty substantial media inventory. Over 12 thousand movie titles, over 2 thousand TV shows, over 45 thousand CD titles, 180 thousand ebooks, 51 thousand audible book titles, and 13 thousand comics (cartoons) are listed in the inventory.

For anyone that likes to watch movies on their big-screen TV (as always with displays, size counts, and the bigger, the better), once you borrow the movie, Hoopla provides the ability to Cast your movie to a cast enabled TV. You can Cast the movie from your smartphone or tablet to a TV with the cast receiving capability built into the TV. (Or you can use a Google Chromecast device to give a regular TV the cast receiving capability. By the way, the newest Chromecast device includes a controller that makes controlling the device a bit easier.)



Chromecast Device



Chromecast Installation

For a casting discussion (or review), refer to the article “Cast your Smartphone” in the June 2018 Journal.

So, after you find the movie you would like to borrow and select the movie, look for the cast icon up in the upper right part of the screen. The cast icon looks like this:



Touch the Cast icon and then look for the cast device name (typically your TV name) on your tablet or smartphone. (If there are more than one cast-enabled devices nearby, you will see a list of those devices.) Find the cast-enabled device and choose it. This sets up a connection between the library movie server and your TV (or Chromecast device attached to a TV) via your home wi-fi. Now you can control the movie from your smartphone or tablet or the TV controller. You can start and stop the movie and jump to a specific point within the movie. Once you have watched the movie, you can “early return” it to the library if there is still some time left, or you can keep it till the end of its borrowing period and show it again. It goes back into the inventory whenever you return the movie so other library members can borrow it.

Note that Hoopla has a Search feature. It is the “Magnifying glass” icon at the bottom of the Hoopla page.



Search Icon

You can “Search by title, artist or series,” as it says in the Search bar. When your search is successful, each item is shown as a thumbnail along with the type of media. Make sure you check the media type, so you don’t download an ebook when you are looking for a movie. If you look for movies, you can use another App to get some information about the movie. IMDB (Internet Movie Data Base) can give you a quick synopsis of the movie, along with the cast, a trailer, and even a rating (so you don’t waste your time with a dud). You can use both IMDB and Hoopla together to decide on a movie and then download and cast your borrowed movie to your big screen TV; imagine that all at no cost (given that you already have a tablet and a Chromecast device and a TV).



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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 Kuhlmeiy 952/934-8492
skuhlmeiy@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 Kuhlmeiy 952/934-8492
skuhlmeiy@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.

January

February

SUN	MON	TUES	WED	THU	FRI	SAT
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2	3	4	5	6	7	8 Linux on Saturday SIG 9am-Noon
9	10	11 7pm General Mtg Show Us Your Gadgets 6pm Tech Topics	12	13	14	15 Microsoft Office SIG (including Access) 9am-Noon
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5
6	7	8 7pm General Mtg TBA 6pm Tech Topics	9	10	11	12 Linux on Saturday SIG 9am-Noon
13	14	15	16	17	18	19 Microsoft Office SIG (including Access) 9am-Noon
20	21	22	23	24	25	26
27	28					



You have just read an issue of The Digital Viking.

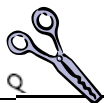
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As a member of TC/PC, the Twin Cities Personal Computer Group, one of the benefits is reading this monthly publication at www.tcpc.com.

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:	1/22
Full name _____	I'm signing up for:
Company name _____	<input type="radio"/> Individual/Family Membership (\$18)
Address _____	<input type="radio"/> Business Membership (\$100)
City _____ State _____ Zip _____	If an existing member your # _____
<input type="radio"/> Home <input type="radio"/> Business <input type="radio"/> Change address: <input type="radio"/> Perm. <input type="radio"/> Temp. 'til _____	Make checks payable to:
Home phone _____ Work phone _____	Twin Cities PC User Group 341 County Rd C2 W Roseville, MN 55113
Online address(es) _____	<u>http://www.tcpc.com</u>
Where did you hear about TC/PC? _____	<input type="radio"/> Check # _____ <input type="radio"/> Bill me <input type="radio"/> New member <input type="radio"/> Renewal <input type="radio"/> Prior member
<input type="radio"/> I DO NOT want any of my information disclosed.	I'm interested in:
<input type="radio"/> I DO NOT want to receive any mailings	<input type="radio"/> Training classes <input type="radio"/> Volunteering <input type="radio"/> Special Interest Groups: New User, Access, etc.
Administrative Use Only Rec'd _____ Chk# _____	List here:

January 11, 2022
7:00 pm
General Meeting

Show Us Your Gadgets

Via Zoom Only



341 County Rd C2 W
Roseville, MN 55113

FIRST CLASS MAIL