

# Sun City Computer Club

MUG MAC Users Group

May 25, 2022

**Questions, Comments, Suggestions welcomed at  
any time**

**Even Now**

- Audio recording of this session as MP4 file
- Audio recording available at link shown above

## **Audio Recording In Progress**

**SIG attendees are required to be members of the chartered club sponsoring that SIG.  
Sun City Community Association By-law**

- Ever want to be a presenter??

**Presenter???**

- June 15 Mac Intro505 MAC - INTRO
- Event Date: Wednesday, June 15  
Thursday June 16
- Event Time: 9:30 am
- Event End Time: 11:30 am
- Instructor: Alan Kamen
- Cost: \$20
- Event Location: Classroom

**Computer Club MAC classes**

This course uses Apple's latest operating system to provide a basic knowledge of the Mac computer. It begins with a tour of the opening screen called the Desktop. From there, the class will cover the basic operations that allow you to successfully locate and manage files and folders, such as the:

- Finder and its related window views with the menu and toolbar
- Dock
- System preferences, default folders, and drag/drop procedures

Included in the class notes are beginner directions for Mail, an Internet browser, word processing, Help information, terminology, and definitions.

## MAC - Intro

- June 21 MAC Numbers

564 MAC - NUMBERS

Event Date: Tuesday, June 21 Thursday  
June 23

Event Time: 9:30 am

Event End Time: 11:30 am

Instructor: Alan Kamen

Cost: \$20

Event Location: Classroom

**Computer Club MAC Classes**

Numbers is a Mac spreadsheet program for you if you need to track expenses, create a useful, manageable simple budget, manage investments, or track utilities, home expenses, percentages, recipes and much more. I will try to make this practical and useful for anyone to use —prior spreadsheet knowledge NOT necessary. We will explore:

- The BASICS of spreadsheets including text and formulas
- How you can communicate with a Windows computer user
- How to work on the same spreadsheet together without purchasing additional software

## MAC - Numbers

- June 21 MAC Quicken Basics
- 569 MAC - QUICKEN BASICS
- Event Dates: Tuesday, June 21 Thursday  
June 23
- Event Time: 2:30 pm
- Event End Time: 4:30 pm
- Instructor: Glenda Stafford
- Cost: \$20

## **Computer Club MAC Classes**

- Class Details:
- This class is for new Quicken for Mac users. You will need to have Quicken installed on your device to participate. At the conclusion of this class, you will know how to:
  - \* Navigate through the program
  - \* Understand Quicken nomenclature
  - \* Organize personal finances
  - \* Set up and categorize income and expenses for easier access to data
  - \* Download finances from banks and credit cards, and reconcile these accounts
  - \* Generate and print reports for budgeting, tax filing, etc.
  - \* Save a backup

## **MAC Quicken Basics**

- Monterey 12.4
  - Big Sur 11.6.6
  - Catalina 10.15.7
- 86 vulnerabilities
- Other Apple products

50 security updates

Safari version

# Apple Updates

- Computer Club Wiki

mug\_question\_answertest74.192.166.116, 2021/12/30 19:10

The Monterey release is very large. Getting close to 12GB (and growing) You might need 26+GB of free space on the system disk to upgrade. Most of use our disk space for our stuff. Even after cleanup, moving files to a cloud provider, etc. might still not have the free space. Why? Apple macOS keeps some file space in reserve. performance reasons. After doing ALL the recommended space reclaim procedures if you still don't have the needed disk space - try this:

as an administrator open the Terminal app/window type these commands: `dd if=/dev/zero of=space.tmp bs=20m`

let this run until you see: No space left on device this command needs to be run on the macOS system disk

now the command `rm space.tmp`

now use this command to check your progress `df -h /`

this procedure should get you closer to the needed free space.

why does this work/help? once the `dd` command starts requesting more and more disk space to hold the ever growing `space.tmp` file macOS will start releasing the disk space it is holding onto.

YOU will need to restart macOS to realize the reclaimed space.

works for me, did it help you?

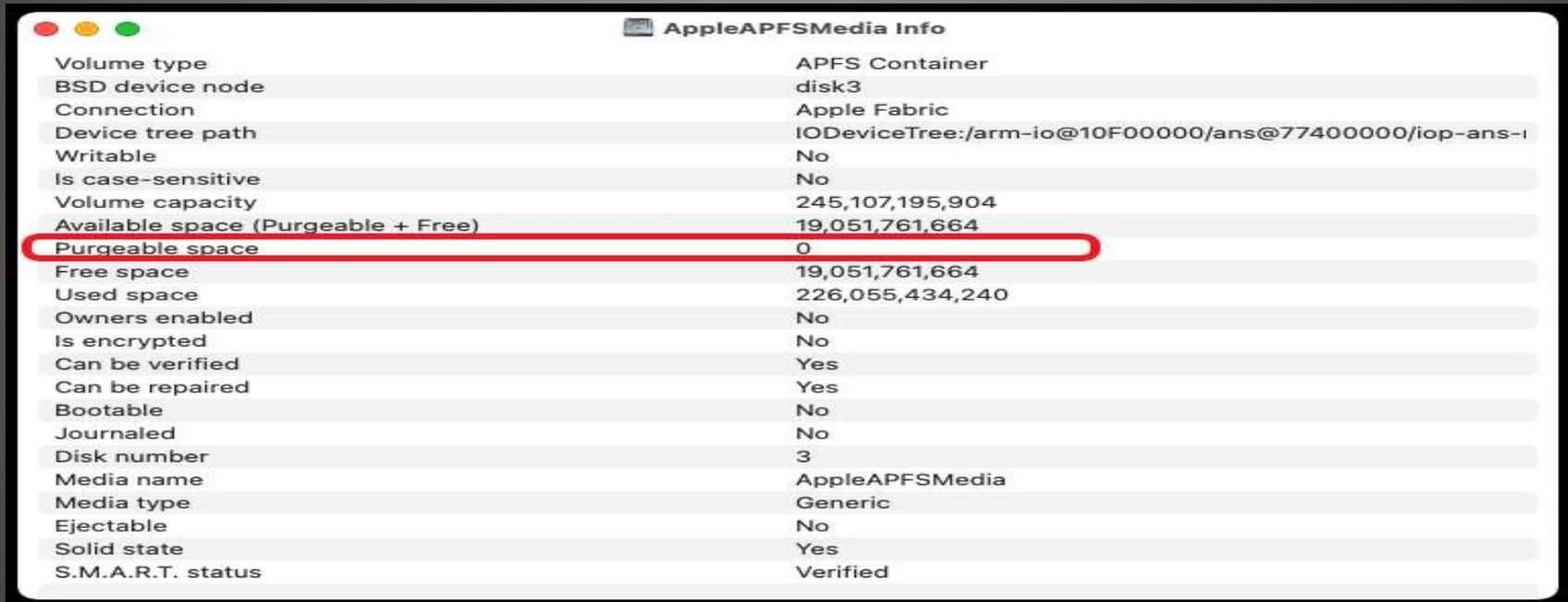
# MAC low disk space for update?

```
johnjenkinson — -zsh — 93x13
[johnjenkinson@Johns-Mac-mini ~ % sudo su -
[Password:
[Johns-Mac-mini:~ root# dd if=/dev/zero of=space.tmp bs=20m

dd: space.tmp: No space left on device
855+0 records in
854+0 records out
17909678080 bytes transferred in 41.988134 secs (426541415 bytes/sec)
Johns-Mac-mini:~ root#
[Johns-Mac-mini:~ root# rm space.tmp
[Johns-Mac-mini:~ root# df -h
Filesystem      Size  Used Avail Capacity iused   ifree %iused  Mounted on
/dev/disk3s1s1 228Gi  14Gi  17Gi   46% 500637 178195320    0% /
```

**MAC low disk space for update?**

- Why does this work?
- Purgeable space in reserve



AppleAPFSMedia Info	
Volume type	APFS Container
BSD device node	disk3
Connection	Apple Fabric
Device tree path	IODeviceTree:/arm-io@10F00000/ans@77400000/iop-ans-1
Writable	No
Is case-sensitive	No
Volume capacity	245,107,195,904
Available space (Purgeable + Free)	19,051,761,664
<b>Purgeable space</b>	<b>0</b>
Free space	19,051,761,664
Used space	226,055,434,240
Owners enabled	No
Is encrypted	No
Can be verified	Yes
Can be repaired	Yes
Bootable	No
Journaled	No
Disk number	3
Media name	AppleAPFSMedia
Media type	Generic
Ejectable	No
Solid state	Yes
S.M.A.R.T. status	Verified

**MAC low on disk space for update**

- Longer term
- Use cloud
- Attach another disk
- Disk cleanup

**MAC low disk space for update**



Matching pagenames  
mug\_question\_answer

mug\_q  
Recent Changes Media Manager Sitemap

Trace: mug\_question\_answer · helpcenter

- How I learned to use Dokuwiki
- Windows 11
- Slow Computer
- Be S.M.A.R.T!
- Discussion about this wiki
- Email Problems
- FAQ (Frequently Asked Questions)
- [Help Center](#)
- Malware
- Mistakes Happen
- Password Forgotten?
- Wiki Best Practices
- Search Engines
- Windows 10 Network Discovery
- Websites and Tools

## What is the Computer Club Help Center?

The Help Center is a service provided by Sun City residents to members of the Computer Club. The volunteers of the Help Center offer assistance with computer "problems".

### What is a computer problem?

The help center volunteers, attempt to provide assistance for many computer devices. There are volunteers that are willing to help with cell phones, tablets, PC's, Apple products, printers and network equipment. Assistance with phones or tablets is typically a software or "operator" issue. Assistance with PC's or Apple's can involve software, hardware, networking or the "operator". It is probable that one of the Help Center volunteers can help resolve or define the problem. If a problem is not resolved, we hope to define solutions that can be provided by local commercial services.

### How to get help

The Help Center provides help in the Computer Club Annex or in your home. Bringing your device to the Help Center is preferred? Why? The Help Center typically has multiple volunteers. Volunteers are able to consult with other volunteers in the Help Center. Networking and printer problems frequently require a home visit. For home support it is necessary to come to the Help Center to register the support request. This wiki contains information that might lead you to a solution. ***If you can read this page you might try asking a question or describing your problem in the "discussion" section at the bottom of this page.***

### What you should bring to the Help Center

If your problem is with a portable device (laptop, tablet, phone) or an all-in-one, bring the device and its power supply. For a desktop PC, the Help Center can provide a power cord, monitor, keyboard and mouse.

### Satisfaction is not guaranteed, but....

The goal of the volunteers is to provide assistance that resolves your problem or leads to the eventual solution. Most of the time, the volunteers are successful. When we are not, please remember: The Help

computerclub/helpcenter:start

**Table of Contents**

- What is the Computer Club Help Center?
- What is a computer problem?
- How to get help
- What you should bring to the Help Center
- Satisfaction is not guaranteed, but....
- Discussion

# Computer Club Wiki

Matching pagenames  
mug\_question\_answer

mug\_q



ent Changes

Media Manager

Sitemap

**MUG\_Q**

 test74.192.166.116,  [2021/12/23 00:00](#)

Much more information on the update/upgrade to Monterey is given on the Cyber Security SIG website. Go to MEETING NOTES on the left side click on Seminars open either of the two Monterey seminars on the second slide of the PDF file click on the green link Audio recording of this session as MP4 file this will download a MP4 file that can be viewed on your mac, PC, tablet, etc. WITH audio so rewind, pause, magnify, etc.

[Reply](#)

 test74.192.166.116,  [2021/12/13 00:00](#)

The MUG is a Group. Any and All contributions will help any and all group members.

[Reply](#)

 test47.220.157.9,  [1970/01/01 00:00](#)

John, Is there anything we can do to make the page more visible to the MUG. Are "How to use it" or "what to expect", paragraphs appropriate for the content?

[Reply](#)

 test74.192.166.116,  [2021/12/20 00:00](#)

very good input/suggestion. please keep them coming I will try a few things

[Reply](#)

# Computer Club Wiki

« ALL CLUBS

« COMPUTER CLUB

MAC USERS GROUP

MEETING NOTES

*MAC Users Group (MUG)  
Archive*

*2022*

# MAC USERS GROUP

## MEETINGS

Meetings  
Fourth 4th Wednesday  
of each month  
3:00 pm  
Zoom

**MUG SIG Site**

# MAC USER'S GROUP MEETING NOTES

## 2019

September 2019 - macOS Catalina	<a href="#">View</a>   <a href="#">Download</a>
May 2019 - iCloud Considerations	<a href="#">View</a>   <a href="#">Download</a>
April 2019 - Photo Project Extension Apps	<a href="#">View</a>   <a href="#">Download</a>
March 2019 - Markups	<a href="#">View</a>   <a href="#">Download</a>
February 2019 - Cyber Security	<a href="#">View</a>   <a href="#">Download</a>
January 2019 - Some New Things in Mojave	<a href="#">View</a>   <a href="#">Download</a>

## 2018

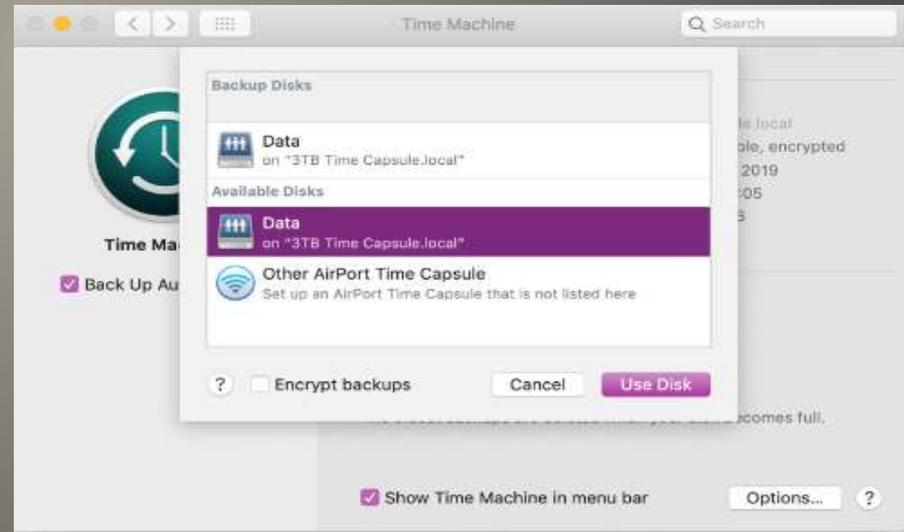
November 2018 - Some Little Extras	<a href="#">View</a>   <a href="#">Download</a>
October 2018 - Numbers, A Powerful Spreadsheet	<a href="#">View</a>   <a href="#">Download</a>
September 2018 - Mojave macOS 10.14--It's Coming!	<a href="#">View</a>   <a href="#">Download</a>
May 2018 - Mac Do's & Don'ts	<a href="#">View</a>   <a href="#">Download</a>
April 2018 - Miscellaneous Tips	<a href="#">View</a>   <a href="#">Download</a>
March 2018 - Fun With Preview	<a href="#">View</a>   <a href="#">Download</a>
February 2018 - Using Markup For Image Files	<a href="#">View</a>   <a href="#">Download</a>
January 2018 - Some Search Basics	<a href="#">View</a>   <a href="#">Download</a>

## 2017

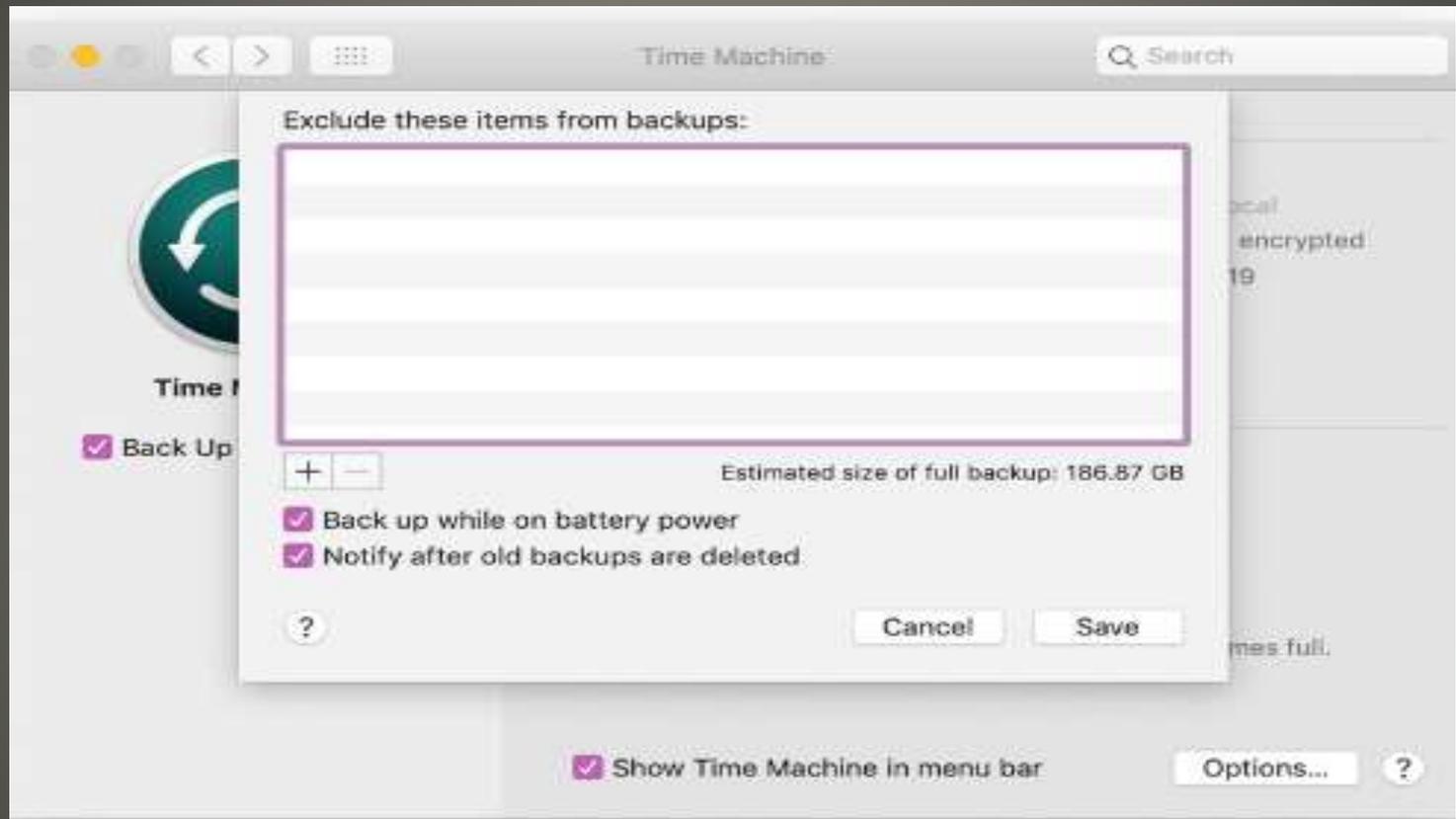
November 2017 - iOS 11's Dock on the iPad	<a href="#">View</a>   <a href="#">Download</a>
September 2017 - macmost.com - Great Video Help Online	<a href="#">View</a>   <a href="#">Download</a>
June 2017 - Phillip Pensabene's iCloud Presentation	<a href="#">View</a>   <a href="#">Download</a>
April 2017 Printing Your Best Photos	<a href="#">View</a>   <a href="#">Download</a>
January 2017- URLs	<a href="#">View</a>   <a href="#">Download</a>

**MUG SIG Site**

- Apple app – part of macOS
- Uses purchased external drive to do continual backup of your files/folders/data
- Plug & Play
- System Preferences > Time Machine



**Time Machine November 2016**



# Time Machine

Latest Time Capsule Backup:  
Today, 20:05

Back Up Now  
Enter Time Machine

Open Time Machine Preferences...

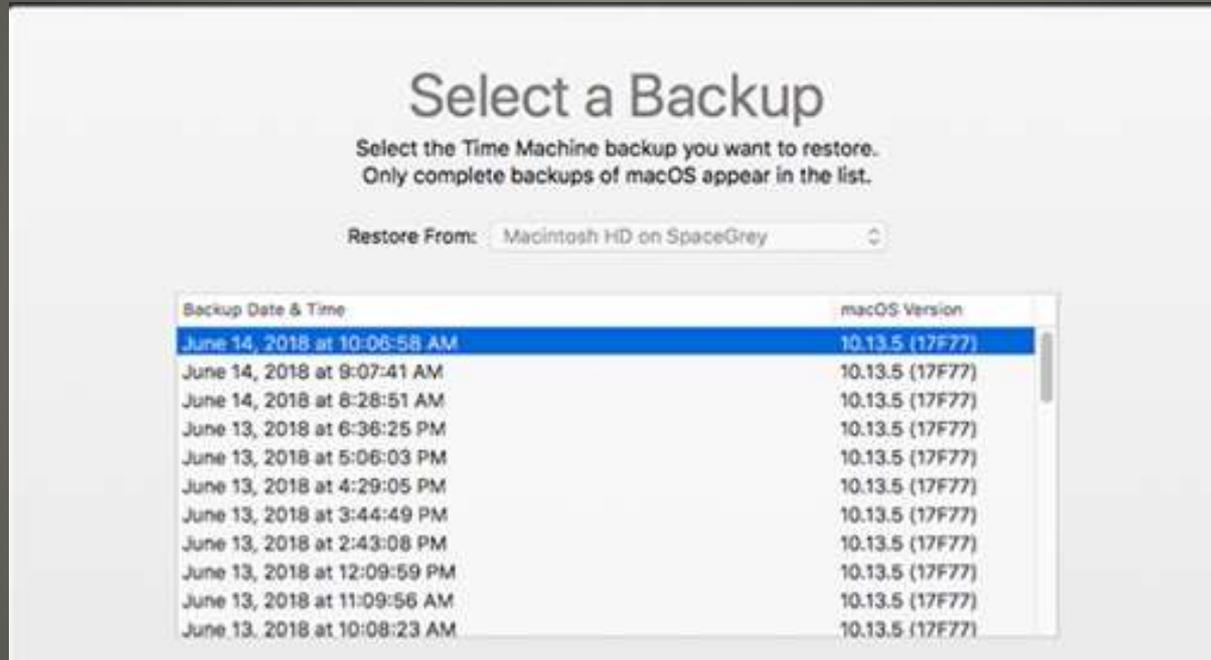
**Time Machine**

- Select what  
To backup  
Not to backup
- Desktop – leave connected
- MacBook – your choice
- Add Time Machine icon to Menu Bar

Show Time Machine in menu bar

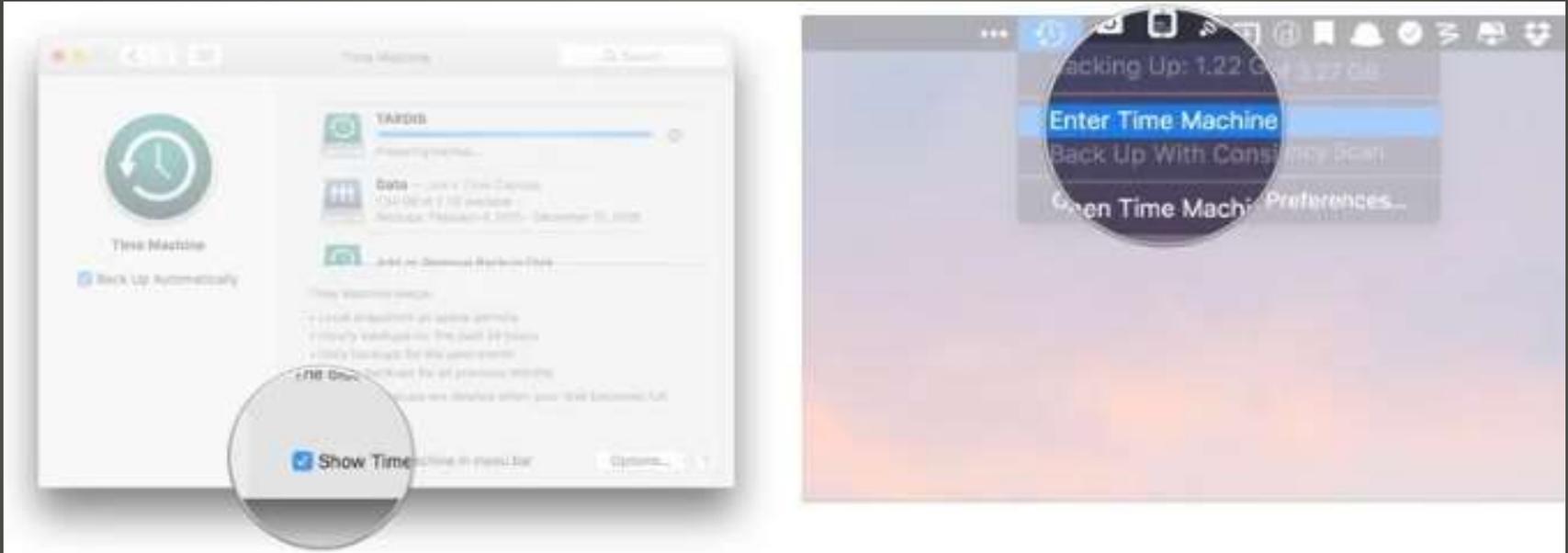
# Time Machine

- Recovery  
Entire MAC



# Time Machine

- Restore file(s) Folder(s)



**Time Machine**



# Time Machine

- Ethernet cable  
Cross over?
- 802.11ac

## SMB

Finder Go > Connect to Server > Browse  
or

smb://<IP>

Bonjour

Direct app support

**Network Macs**

- Thunderbolt 40Gps - 10Gps

The screenshot displays the macOS Network preferences window. On the left, a sidebar lists network interfaces: Ethernet (green dot, Connected), Wi-Fi (green dot, Connected), Thunderbolt Bridge (yellow dot, Self-Assigned IP), and iPhone USB (red dot, Not Connected). The Thunderbolt Bridge interface is selected and highlighted. The main area shows the status as 'Some Connected' with a sub-message: 'Some of the member interfaces are connected. Click Advanced for details.' Below this, the 'Configure IPv4' dropdown is set to 'Using DHCP'. The IP Address is 169.254.14.103 and the Subnet Mask is 255.255.0.0.

**Ethernet** ● Connected

**Wi-Fi** ● Connected

**Thunderbolt Bridge** ● Self-Assigned IP

**iPhone USB** ● Not Connected

Status: **Some Connected**

Some of the member interfaces are connected.  
Click Advanced for details.

Configure IPv4: Using DHCP

IP Address: 169.254.14.103

Subnet Mask: 255.255.0.0

# Network Macs

- Ethernet cable
  - Cable importance for speed & error rate
- Hotspot (software base station)  
System Preferences > Sharing



**Configure an internet-sharing network.**  
Enter the name and password of the network you want to configure.

Network Name:

Channel:

Security:

Password:

The password must contain at least 8 characters.

Show password

# Network Macs

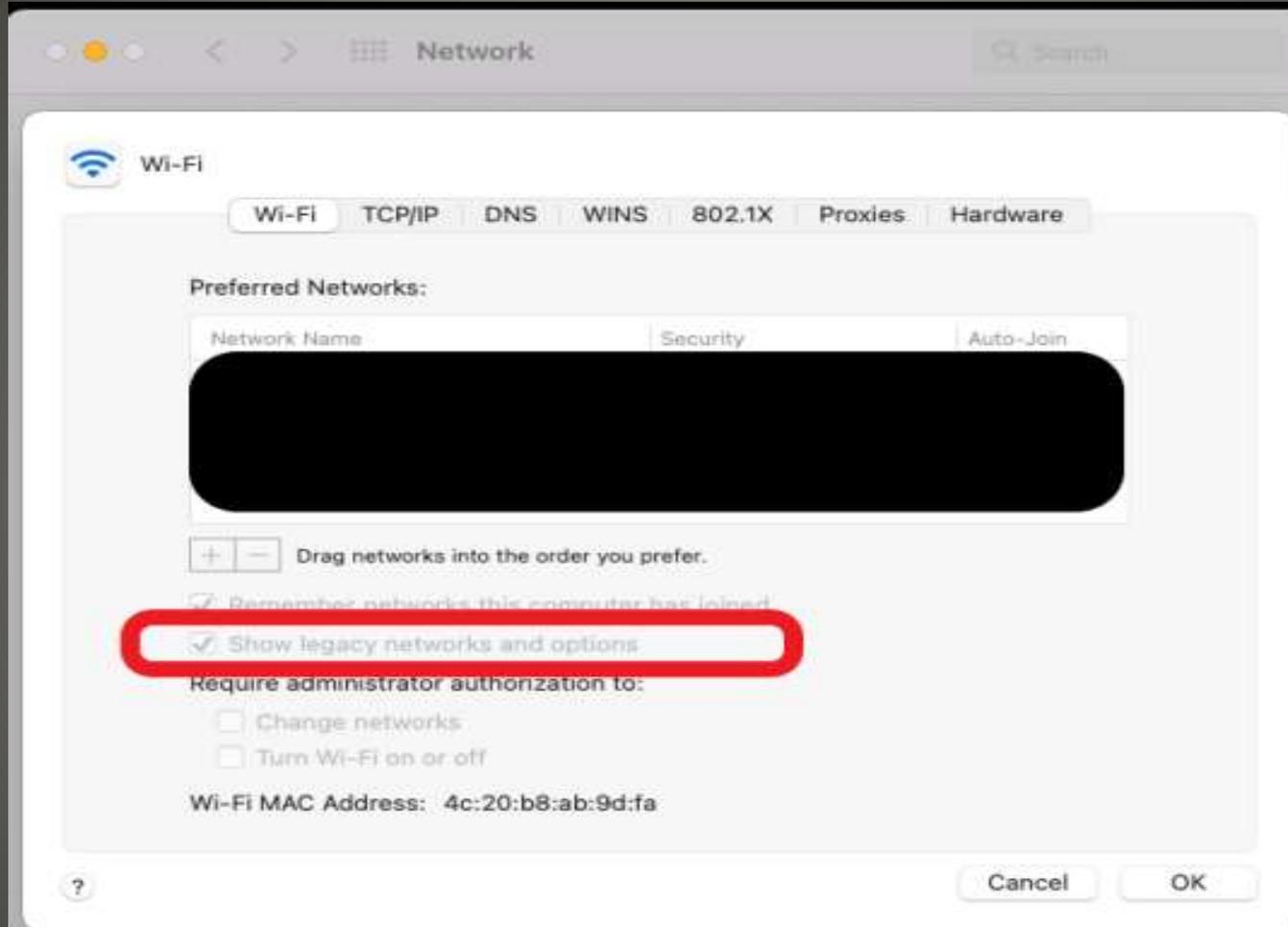
- Wi-Fi ad hoc  
peer-to-peer

Other uses IoT segmentation, ...

System Preferences > Network > Wi-Fi

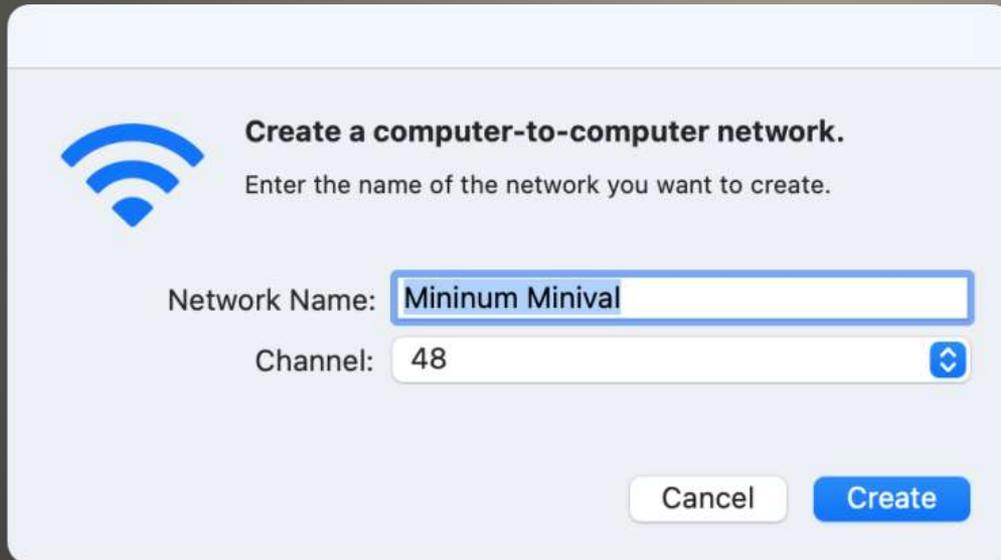
Advanced > Show legacy networks and options

**Network Macs**



# Network Macs

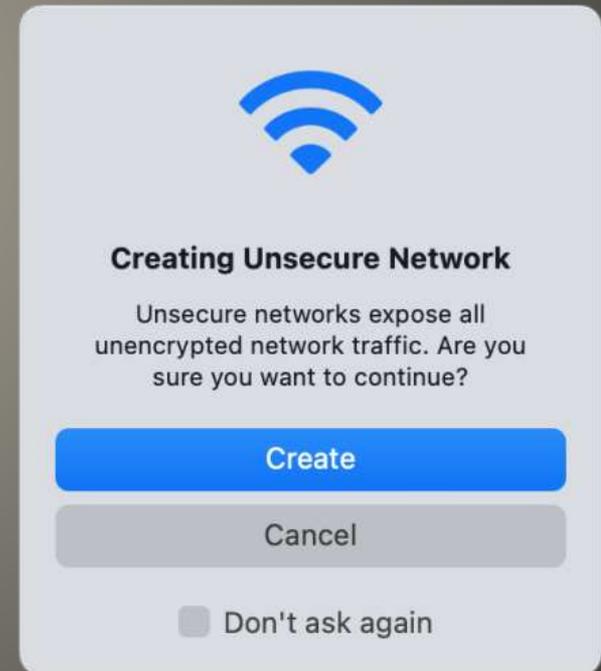
- Create new network
- Choose channel (optional)
- On other Mac  
Or other device for ad hoc



 **Create a computer-to-computer network.**  
Enter the name of the network you want to create.

Network Name:

Channel:  





**Creating Unsecure Network**

Unsecure networks expose all unencrypted network traffic. Are you sure you want to continue?

Don't ask again

# Network Macs

- UNDO if appropriate

**Network Macs**



VS.



# MacBook Air vs MacBook Pro

	<b>13" MacBook Air (2020)</b>	<b>13" MacBook Pro (2020)</b>	<b>14" MacBook Pro (2021)</b>
<b>Processor</b>	M1 – 8-core	M1 – 8-core	M1 Pro or M1 Max – 8 or 10-core
<b>Storage</b>	Up to 2TB	Up to 2TB	Up to 8TB
<b>RAM</b>	8 or 16GB	8 or 16GB	16 to 64GB
<b>Graphics</b>	7-core	8-core	Up to 32-core
<b>Neural engine</b>	16-core	16-core	16-core
<b>FaceTime camera</b>	720p	720p	1080p
<b>Speakers</b>	Stereo speakers with wide sound	Stereo speakers with high dynamic range	6-speaker high-fidelity
<b>Mics</b>	3-mic array	Studio-quality 3-mic array	Studio-quality 3-mic array
<b>Thermal management</b>	Fanless	Active cooling with fans	Active cooling with fans

# MacBook Air vs MacBook Pro

	13" MacBook Air (2020)	13" MacBook Pro (2020)	14" MacBook Pro (2021)
<b>Actual screen size</b>	13.3"	13.3"	14.2"
<b>Resolution</b>	2560 x 1600	2560 x 1600	3024 x 1964
<b>Aspect Ratio</b>	16:10	16:10	16:10 + notch
<b>PPI</b>	227	227	254
<b>Nits (brightness)</b>	400	500	Up to 1000 sustained, up to 1600 peak
<b>Retina display</b>	✓	✓	–
<b>Liquid Retina XDR display</b>	✗	✗	✓
<b>ProMotion (up to 120Hz)</b>	✗	✗	✓
<b>mini-LED backlit</b>	✗	✗	✓
<b>True Tone</b>	✓	✓	✓
<b>P3 wide color</b>	✓	✓	✓

# MacBook Air vs MacBook Pro



# MacBook Air vs MacBook Pro

	13" MacBook Air (2020)	13" MacBook Pro (2020)	14" MacBook Pro (2021)
<b>Magic Keyboard</b>	✓	✓	✓
<b>Touch ID</b>	✓	✓	✓
<b>Touch Bar</b>	✗	✓	✗
<b>USB-C/Thunderbolt ports</b>	2	2	3
<b>HDMI</b>	✗	✗	✓
<b>SDXC card reader</b>	✗	✗	✓
<b>MagSafe charging</b>	✗	✗	✓
<b>Bluetooth</b>	5.0	5.0	5.0
<b>Wi-Fi</b>	Wi-Fi 6 (802.11.ax)	Wi-Fi 6 (802.11.ax)	Wi-Fi 6 (802.11.ax)
<b>External display support</b>	1 external display with up to 6K resolution at 60Hz	1 external display with up to 6K resolution at 60Hz	Up to 2 external displays with up to 6K resolution at 60Hz (M1 Pro) or Up to 3 external displays with up to 6K resolution and 1 external display with up to 4K resolution at 60Hz (M1 Max)

# MacBook Air vs MacBook Pro

	<b>13" MacBook Air (2020)</b>	<b>13" MacBook Pro (2020)</b>	<b>14" MacBook Pro (2021)</b>
<b>Weight</b>	2.8 lbs. (1.29 kg)	3 pounds (1.4 kg)	3.5 pounds (1.6 kg)
<b>Thickness</b>	0.16-0.63 in. (0.41-1.61 cm)	0.61 inch (1.56 cm)	0.61 inch (1.55 cm)
<b>Width</b>	11.97 inches (30.41 cm)	11.97 inches (30.31 cm)	12.31 inches (31.26 cm)
<b>Depth</b>	8.36 in. (21.24 cm)	8.36 inches (21.24 cm)	8.71 inches (22.12 cm)
<b>Display size</b>	13.3 in. (33.78 cm)	13.3 inches	14.2 inches
<b>Finishes</b>	Silver, space gray, and gold	Silver or space gray	Silver or space gray

## MacBook Air vs MacBook Pro

	<b>13" MacBook Air (2020)</b>	<b>13" MacBook Pro (2020)</b>	<b>14" MacBook Pro (2021)</b>
<b>Wireless web battery</b>	15 hours	17 hours	11 hours
<b>Video playback</b>	18 hours	20 hours	17 hours
<b>Included power adapter</b>	30W USB-C	61W USB-C	67W or 96W USB-C + MagSafe
<b>Battery capacity</b>	49.9Wh	58.2Wh	70Wh
<b>Fast charging</b>	✗	✗	✓

## MacBook Air vs MacBook Pro

<b>Model/price</b>	<b>13" MacBook Air (2020)</b>	<b>13" MacBook Pro (2020)</b>	<b>14" MacBook Pro (2021)</b>
256 / 8GB	\$999	\$1,299	–
512 / 8GB	\$1,249	\$1,499	–
256 / 16GB	\$1,199	\$1,499	–
512 / 16GB	\$1,399	\$1,699	\$1,999
1TB / 16GB	\$1,599	\$1,899	\$2,499
1TB / 32GB	–	–	\$2,899
Custom builds	Up to \$2,049	Up to \$2,299	Up to \$5,899

## MacBook Air vs MacBook Pro

- Air
  - light to medium loads
  - lightest model
  - great battery life
  - lower price
- Pro
  - most power
  - active cooling
  - brighter screen
  - more ports
  - more external displays

## MacBook Air vs MacBook Pro



# Mammoth

**macOS 13 ??**

- Trackpad
- Apple Silicon
- iPhone integration
- Product Support

**Mac vs PC**

- New App Store policy

App developers can increase subscription rates without notifications

“avoid unintentional service interruptions”

<https://training.apple.com/>

App Developer Training

IT Training

**New Apple free training**

# Develop Apps for iOS

Learn the basics of Xcode, SwiftUI, and UIKit to create compelling iOS apps.

🕒 12hr 25min Estimated Time

Get started

# Develop Apps for iOS

# Learn How to Support Apple Devices

Follow guided exercises to gain the knowledge and skills you need to support and troubleshoot Apple devices in your organization.

 14hr Estimated Time

[Get started](#)

## Apple Devices Support

# Learn How to Support Apple Devices

Follow guided exercises to gain the knowledge and skills you need to support and troubleshoot Apple devices in your organization.

 14hr Estimated Time

[Get started](#)

## Apple Device Deployment

- Recent MacMost videos

<https://macmost.com/>

Using Memoji creatively

Watching Video with Picture-in-Picture on MAC

10 Ways to Clean your MAC Desktop

10 Ways to transfer files or Photos Between MAC, iPhone, iPad

iCloud Drive with or without Desktop & Documents folders

20 ways to use Web Page links on MAC

Creating shortcuts that accept voice input

Using Finder with just your keyboard

With Q&A Forum

**MacMost**

Hey, do you have Apple pay set up on your watch? Okay,

Enquiring Minds audio transition

They're called Square. It will

Enquiring Minds audio transition

Coming soon!

allow you to just tap your watch to the square and

Enquiring Minds audio transition

the magnet what we have also

Enquiring Minds audio transition

seen our people take those squares. They'll create

Enquiring Minds audio transition

that Square Reader and just walk up to people who

Enquiring Minds audio transition

have the Apple watches and just all you have

Enquiring Minds audio transition

Coming soon!

within eight inches of that.

Enquiring Minds audio transition

actually charge your card that you have set up throughout the bank.

So if you use apple apple pays fantastic, I

use it but only on my phone because it does require passcode or

a face ID the watch can be set up

- Quickly created transaction
- One camera click
  
- Capture FaceID

**QR Codes**

- Helpful < - > Harmful
- Awareness, Preparedness, Understanding

Computer Club, Help Center, SIGs,  
Presentations, classes

Cyber Security SIG meetings, NEWSBLOG  
Internet

- Questions, suggestions, comments?

**SCCCMUG@gmail.com**