Sun City Computer Club

MUG MAC Users Group

September 27, 2023

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??

- # Participant???
  Special Interest GROUP

- Apple Users Group
- Join now
- Next meeting October 11, 8:30am Retreat

- This presentation is long, feel free to leave zoom
  Catch up on presentation recording

Presenter???

- macOS Sonoma 14.0
- Desktop Widgets
- Game Mode
- Web Apps in Dock
- New screensavers/wallpapers/emojis/sounds
- Safari profiles

macOS Sonoma

Automatic updates   On (i)

Beta updates   Off (i)

macOS Sonoma 14.0
14.0 - 6.44 GB   Upgrade Now

macOS Sonoma brings all-new capabilities that elevate your productivity and creativity. Discover even more ways to personalize your Mac with stunning screensavers and widgets that you can add to your desktop. Elevate your presence on video calls with a new way to present your work that keeps you a part of the presentation. Safari profiles and web apps help you organize your browsing in all-new ways. Game Mode boosts your gaming performance. Sonoma also brings big updates to Messages, Keyboard, and Accessibility. And when you upgrade, you get the latest security and privacy protections available for Mac.
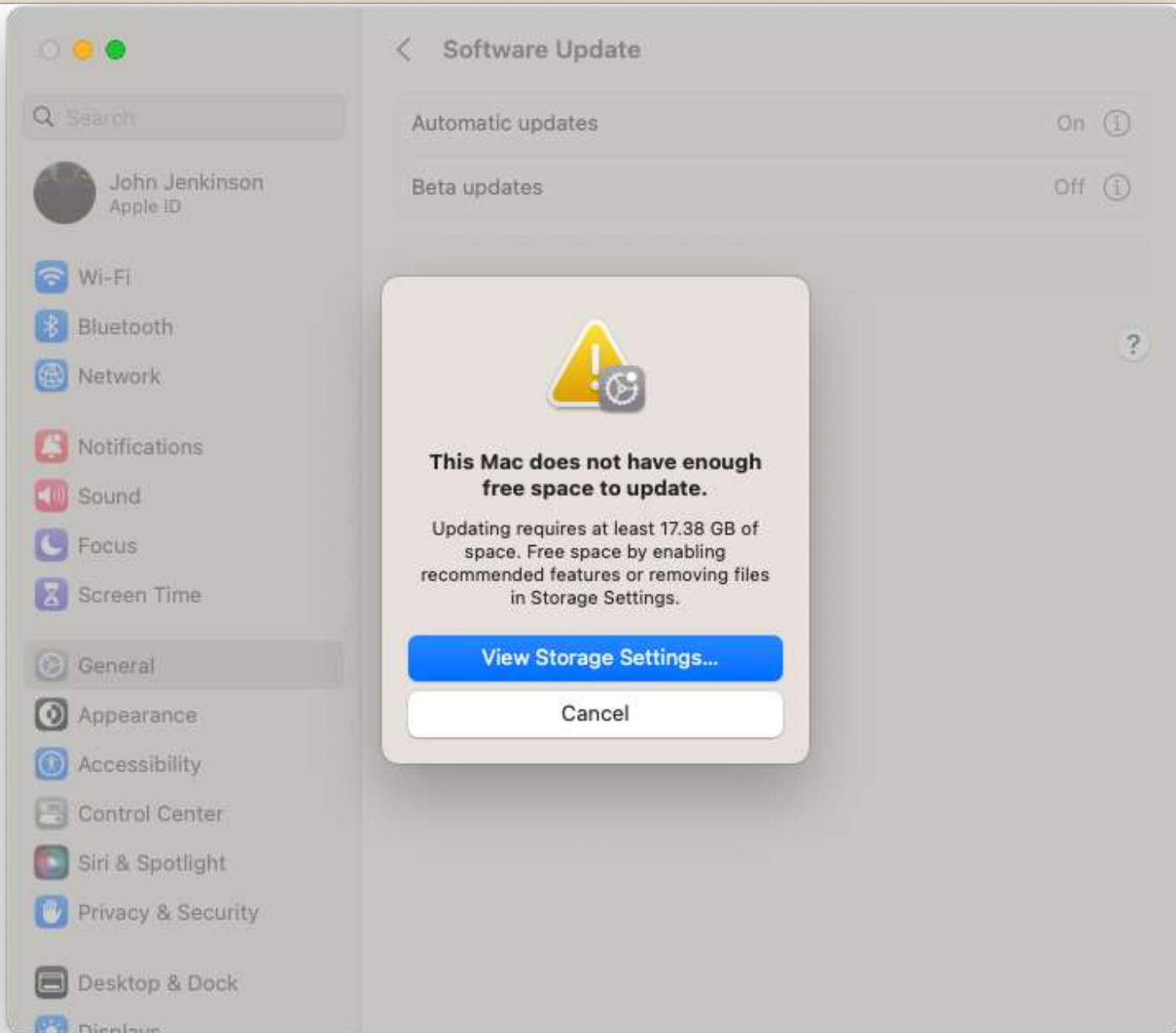
Screen Savers
   •   Stunning screen savers of locations from around the world seamlessly become your desktop wallpaper when you log-in
   •   Shuffle settings for rotating through screensavers by theme including Landscape, Cityscape, Underwater, and Earth
Widgets
   •   Widgets can be placed anywhere on the desktop and adapt to the color of your wallpaper while working in apps
   •   iPhone widgets can be added to your Mac when your iPhone is nearby or on the same Wi-Fi network
   •   Interactive widgets let you take actions directly from the widget such as running a shortcut, pausing media, and more
Video Conferencing
   •   Presenter Overlay keeps you front and center while sharing your screen in FaceTime or third-party video conferencing apps (Mac with Apple silicon)

Search

John Jenkinson
Apple ID

Wi-Fi

Bluetooth

Network

Notifications

Sound

Focus

Screen Time

General

Appearance

Accessibility

Control Center

Siri & Spotlight

Privacy & Security

Desktop & Dock

Displays

Automatic updates — On ⓘ

Beta updates — Off ⓘ

?

This Mac does not have enough free space to update.

Updating requires at least 17.38 GB of space. Free space by enabling recommended features or removing files in Storage Settings.

View Storage Settings...

Cancel

Search

John Jenkinson
Apple ID

Wi-Fi

Bluetooth

Network

Notifications

Sound

Focus

Screen Time

General

Appearance

Accessibility

Control Center

Siri & Spotlight

Privacy & Security

Desktop & Dock

Displays

```
[Johns-Mac-mini:~ root# dd if=/dev/zero of=space.tmp bs=20m
dd: space.tmp: No space left on device
700+0 records in
699+0 records out
14659092480 bytes transferred in 22.257169 secs (658623407 bytes/sec)
[Johns-Mac-mini:~ root# rm space.tmp
Johns-Mac-mini:~ root#
```
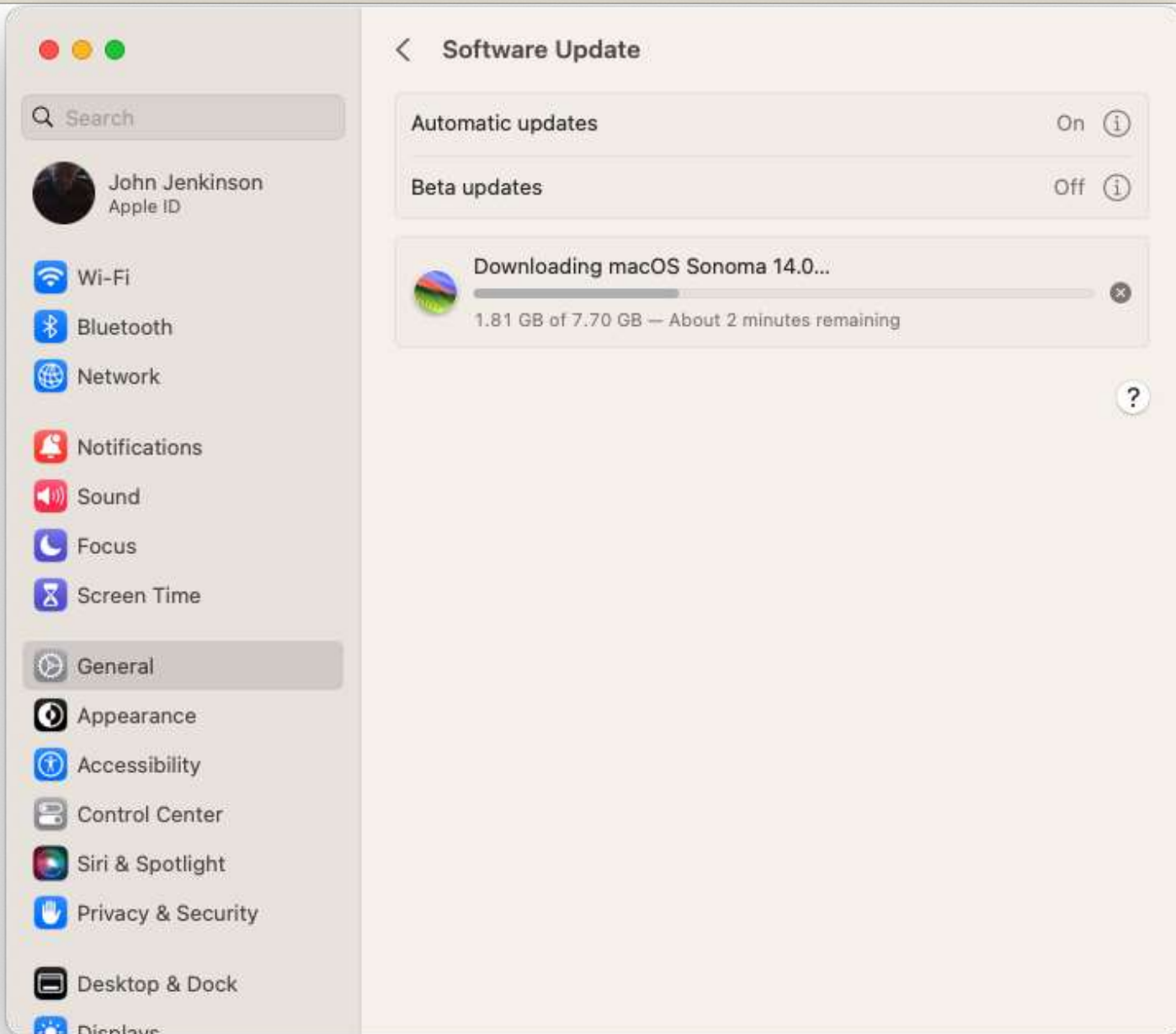
Automatic updates   On ⓘ

Beta updates   Off ⓘ

Downloading macOS Sonoma 14.0...

1.81 GB of 7.70 GB — About 2 minutes remaining ⊗

Search

John Jenkinson
Apple ID

Wi-Fi

Bluetooth

Network

Notifications

Sound

Focus

Screen Time

General

Appearance

Accessibility

Control Center

Siri & Spotlight

Privacy & Security

Desktop & Dock

Displays

Automatic updates   On   ⓘ

Beta updates   Off   ⓘ

Preparing macOS Sonoma 14.0...

About 5 minutes remaining

Q Search

John Jenkinson
Apple ID

Wi-Fi

Bluetooth

Network

Notifications

Sound

Focus

Screen Time

General

Appearance

Accessibility

Control Center

Siri & Spotlight

Privacy & Security

Desktop & Dock

Displays

Automatic Updates On ⓘ

Beta updates Off ⓘ

Q Search

John Jenkinson
Apple ID

Wi-Fi

Bluetooth

Network

Notifications

Sound

Focus

Screen Time

General

Appearance

Accessibility

Control Center

Siri & Spotlight

Privacy & Security

Desktop & Dock

Displays

macOS Sonoma 14.0 (23A344)
Last checked: Today, 12:57 PM
Your Mac is up to date.

Safari

Version 17.0 (19616.1.27.211.1)

- Apple today (21-September-2023) updates available to address three new vulnerabilities.

- CVE-2023-41993, CVE-2023-41992, CVE-2023-4199

- Updates to addresses these security vulnerabilities are now available for:

- iOS 7.0.1 iPadOS 17.0.1   watchOS 10.0.1   macOS Ventura 13.6 macOS Monterey 12.7 Safari 16.6.1

- Applying these updates is recommended.

- Some of my beta releases had to be reverted to apply the recommended updates.

- And iOS and iPadOS 16.7

- And Pages, Keynote, and Numbers

- iOS and iPadOS 17.0.2   Data transfer for new devices

Security Updates

- Google Chrome & friends   Apple   related
- http chain
- Android too

Some detail on Security issues

149.29.29.42

81.10.87.239

Cogent
(AS 174)

Telecom Egypt
(AS 8452)

Spyware Injection
Middlebox

Victim Device
196.144.0.0/12

Traffic Management
Middlebox

41.206.153.241

Vodafone Egypt
(AS 36935)
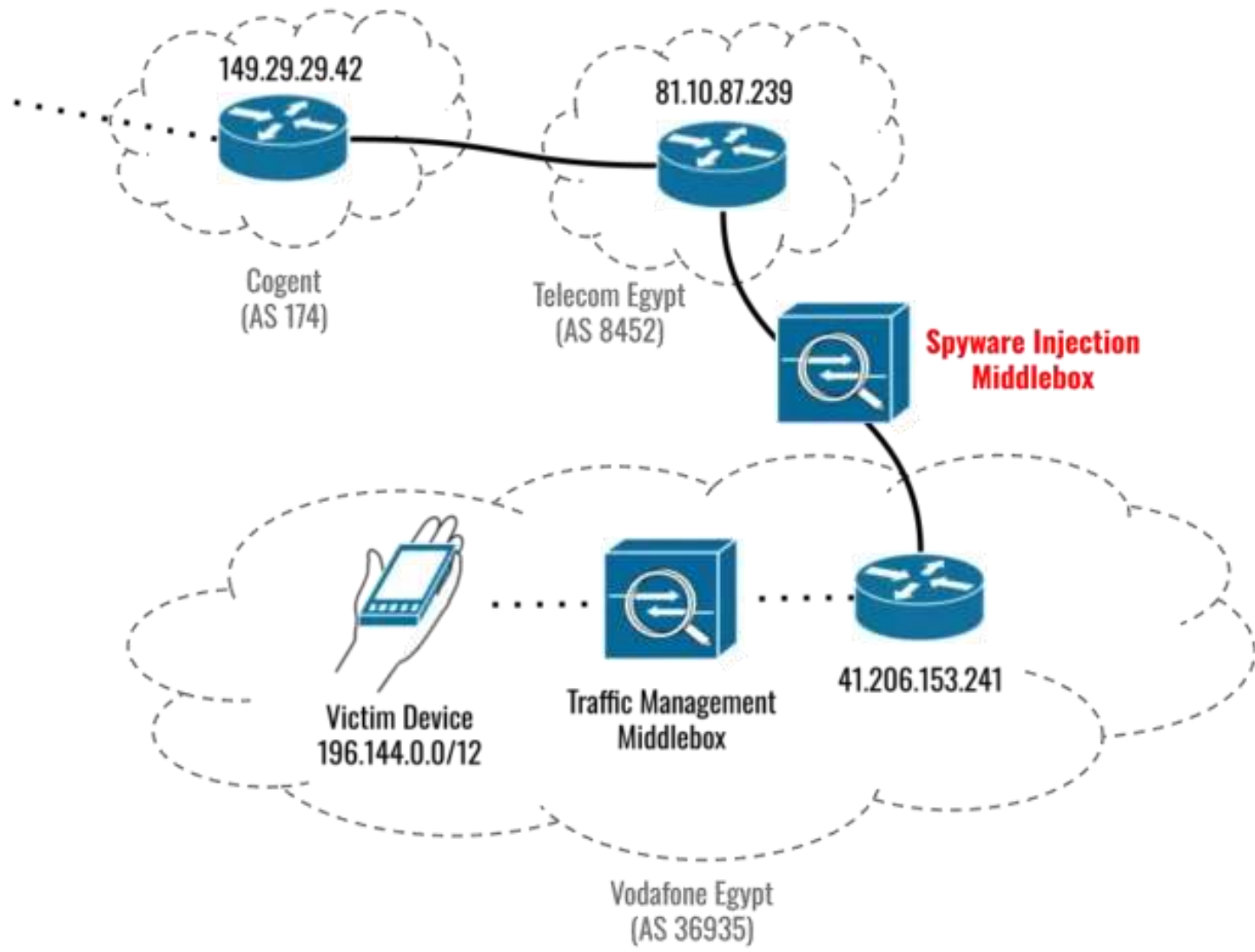
- WARNING
- Something amiss.

Many Apple platforms get updates available tonight, as does Microsoft Edge, Chrome. The more I look, the more I see.

The same flaws used to install spyware were patched by Google on the Android platforms September 5.

Some of our Android updates are yet to be available from the varied vendors. More information on these Apple and Chromium updates:

For Apple the three vulnerabilities can build and maintain a COMPLETE attack chain.

Initial access via WebKit.

privilege escalation in the kernel.

malware installation WITHOUT an alert/notice

====================================

More troubling
All the vendors/developers
Perhaps unaware

libwebp vulnerability scope

- Google Chrome & friends   Apple   related
- http chain
- Android too
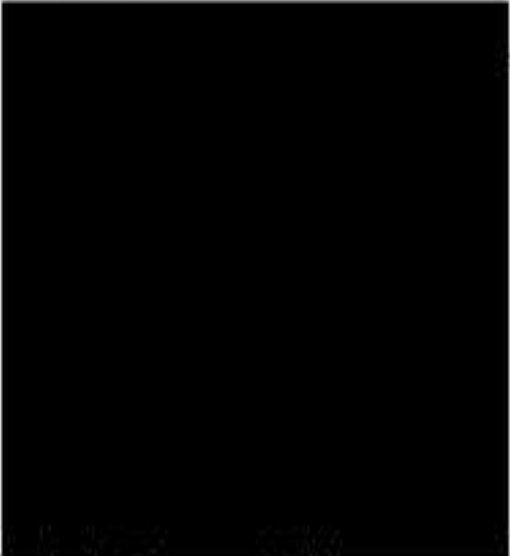
People who think they may have been targeted in this campaign should check to see if they have received links to, or if their device has visited, any of the following URLs:

Sec-flare[.]com
Verifyurl[.]me
Betly[.]me
almal-news[.]com
chat-support[.]support
cibeg[.]online
notifications-sec[.]com
wa-info[.]com
whatssapp[.]co
Wts-app[.]info
T-bit[.]me

Some detail on Security issues

- Cyber Security SIG News Archive
- Computer Club Wiki
- MUG May 25, 2022

Older Macs and Recent macOS updates

```
johnjenkinson — bash — 136x24
```

```
Johns-MacBook-Pro:~ root# !61
dd if=/dev/zero of=space.tmp bs=20m
dd: space.tmp: No space left on device
521+0 records in
520+0 records out
10905190400 bytes transferred in 64.616468 secs (168767974 bytes/sec)
Johns-MacBook-Pro:~ root# rm space.tmp
Johns-MacBook-Pro:~ root# df -h /
Filesystem      Size   Used  Avail Capacity iused     ifree %iused  Mounted on
/dev/disk1s5s1  112Gi  15Gi   10Gi    59%  574144 108700520    1%   /
Johns-MacBook-Pro:~ root#
```

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 diskspace for out 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 diskspace - 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.

- iPhones   iPads
- 17.0.2
  - Volume Up – Volume Down – press & Hold side button
- Connect to mac via cable

- Backup to iCloud – Restore from iCloud

Transfer Data from older device

- No Share Audio on MAC   yet
- Audio MIDI Setup
- AND almost any 2 audio devices
- Pair both devices to MAC
- Applications > Utilities > Audio MIDI Setup
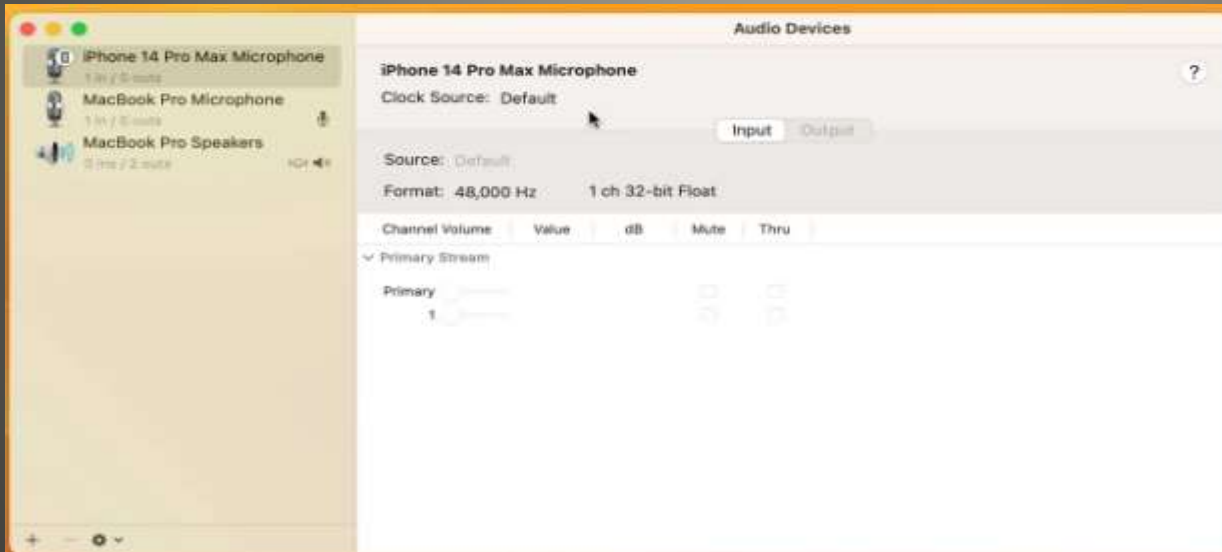
2 sets AirPods to MAC

- + Create Multi-Output Device

- Select two AirPods (or other devices)
- Select Multi-Output Device
- Click to (re)name virtual audio device

- Select virtual audio device as Audio Devices

2 sets AirPods to MAC
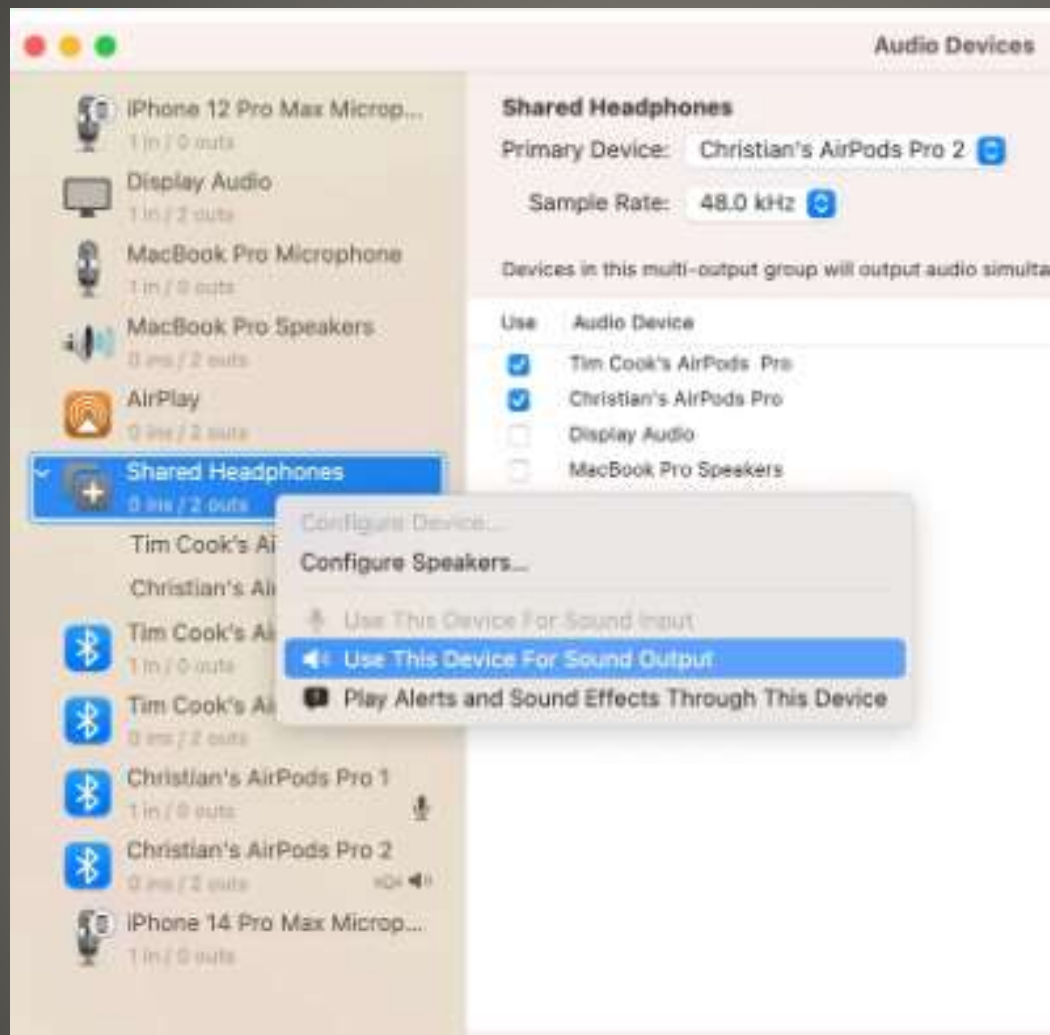
2 sets AirPods to MAC

- NO Separate Audio volume sliders
- BUT AirPods Spatial Audio & Surround Sound

2 sets AirPods to MAC

- More CPU cores 12
- More GPU cores 19
- More RAM 32GB
- More ports 3 external displays
- 8TB

- Mac Studio $3999

Mac M2 Pro Mini

- Microsoft announced
- Visual Studio for Mac end of support next year
- Use C# Dev Kit for Visual Studio

Visual Studio

- https://www.apple.com/apps/

Apps by Apple

- New iPad – needed more storage
- iPad transfer old 16.7 & full
- New More storage
- Transfer via old iPad   4 hours give up
- Transfer via iCloud 17.0.1 paused no network
- TURN OFF iCloud sync
- Cleaned space old iPad, 17.0.1
- Restart transfer
- Transfer via iCloud backup
- WARNING old Apple store purchases
- Very Old account at Apple Store
- Force thru
- Remove the Old App store apps
- Reload those Old App store apps

Adventures in iPad land

- Apple watch
- Beta watchOS 10.0
- No watchOS 10.0.1 update
- Watch App on phone
- General > Profiles
  Remove Beta profile

AND new devices with 17.0 installed

Adventures in Apple Watch land
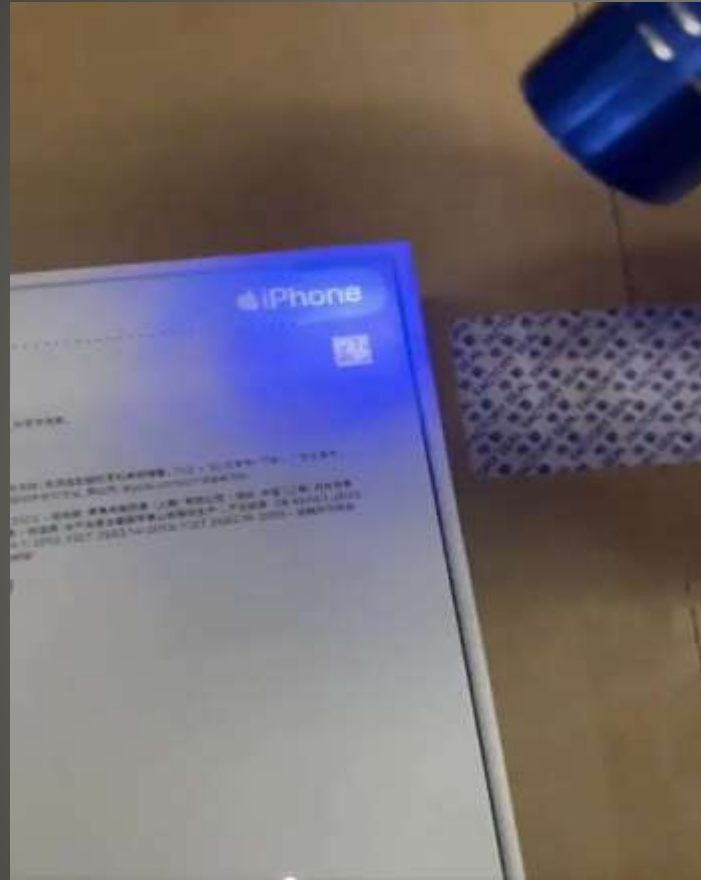
Added Security to boxed devices

- 2nd generation Ultra-Wideband chip
- Locate friends
- Locate You??

iPhone 15

- iPhone 15 charge older iPhones Adapter cable required
- iPhone 15 charge other iPhone 16 USB-C cable

Smart Charger

- iPhone 15 Pro torture test
- Back glass shatters with bend test
- https://youtu.be/IS0SItAzEXg?t=665

Ouch

New iPhone 15 Pro Max is overheating to the point 'you can't even hold it'

- iPhone 15
- Before based on your life patterns
  Charge to 80%, before wakeup 100%
- 80% max charge
- Settings > Battery > Battery Health & charging > Charging Optimization > 80% limit

Battery Health

- Transfer data
- Security & Privacy
- Wallet
- Health & safety
- Customize Control Center
- Apple Support App

Checklist

- Reset privacy settings?
- Settings > Privacy & Security > Location Services
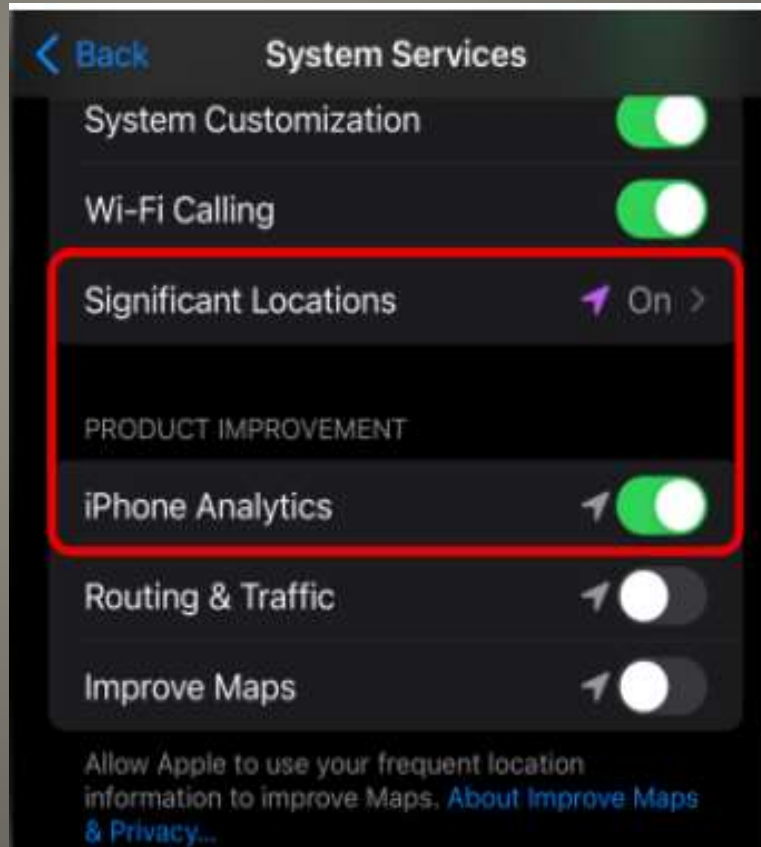
iOS 17

- Cellular devices shipped jailbroken
- No need to "pay off" cellular carriers
- Engraving   with emojis
- Packaging
- Less plastic & styrofoam

Apple from Apple

Settings

< General   **Software Update**

Focus

Screen Time

General

Control Center

Display & Brightness

Home Screen & App Library

Multitasking & Gestures

Accessibility

Wallpaper

Siri & Search

Apple Pencil

Touch ID & Passcode

Battery

Privacy & Security

App Store

Wallet & Apple Pay

Passwords

Mail

Automatic Updates   On >

iPadOS 17.0.2
Apple Inc.
Unable to download

This update fixes an issue that may prevent transferring data directly from another iPad during setup.

More Storage Required ⚠️
This update cannot be installed because it requires at least 5.77 GB of available storage during installation.

Manage iPad Storage

- PostScript the page description language
- Apple LaserWriter
- NeXT display PostScript
- Stack-based   -   malicious code
- macOS PSNormalizer
- Rewrite or Not
- Sonoma Not
- Need/want Postscript?
- macOS Monterey VM

No PostScript in Sonoma

- Google pays Apple billions to be default search engine
- After Safari > Settings > Search Engine Google, Yahoo, Bing, DuckDuckGo, Ecosia

Google is Apple's default Search engine

Ventura Safari update

- Mojave 10.14
- Catalina 10.15
- Big Sur 11
- Monterey 12
- Ventura 13
- Sonoma 13

macOS

- iOS 17.1 iPadOS 17.1
- Developer Beta
- Journal App?
- Collaborative Apple Music playlists
- AirDrop over Internet
- Messages catchup

Apple Betas released today

2:03 📍

📶 📶 🔋

‹ **General**   **Software Update**

Automatic Updates	On ›

Beta Updates	iOS 17 Developer Beta ›

17 **iOS 17.1 Beta**
Apple Inc.
5.84 GB

iOS beta gives you an early preview of upcoming apps, features, and technologies. Please back up your iPhone before you install the beta.
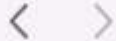
For more information, please visit one of the following programs:
- Apple Beta Software Program at beta.apple.com
- Apple Developer Program at developer.apple.com

Update Now

Update Tonight

If you select Update Tonight, iPhone will try to update when the device is locked and the battery has enough charge.

- None of us are as experienced as all of us
- Awareness, Preparedness, Understanding
- Participate
- Topic Suggestions
- Questions: scccMUG@gmail.com

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

Computer Club, Help Center, SIGs, Presentations, classes
Cyber Security SIG meetings, NEWSBLOG
Internet

- Questions, suggestions, comments?

SCCCMUG@gmail.com