











June 14, 2017

Tonight's Topics

- WWDC Recap-ette
- Sometimes Three Backups is Not Enough
- · Alexan Support for iClaud Calendara
- Mac Diags



WWDC Recap

- Previews all-new iMac Pro, coming in December at \$4,999
- Previews HomePod, a Siri-enabled home hi-fi speaker, "reinvents music in the home," coming in December @ \$349
- Ships new 10.5-inch iPad Pro, refreshed 12.9-in model
- Ships entire iMac line refresh with new graphics, new Kaby Lake processors and better displays
- Ships refreshed MacBook Pros with Kaby Lake CPUs
- Previews all-new App Store with better discovery
- Previews watchOS 4, iOS 11, macOS 10.13 High Sierra, tvOS 4, all coming in the fall, free



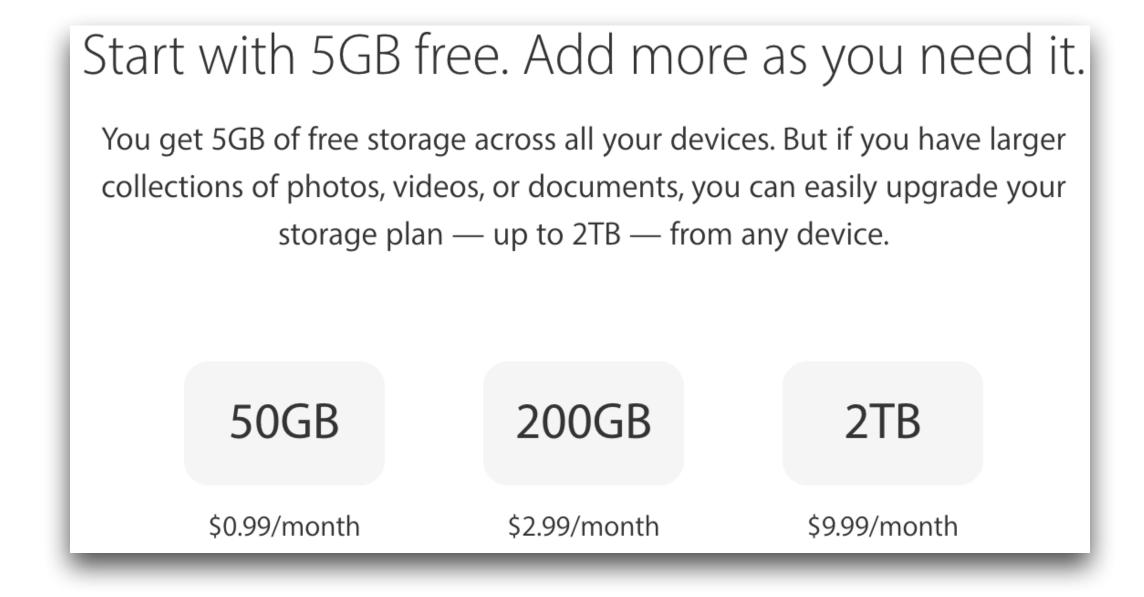
iMac Pro



HomePod

.and more:

- iCloud Drive top storage tier doubled from 1Tb to 2Tb
- Same price: \$10/month
- Eliminated 1Tb tier; those on the 1Tb old plan automatically upgraded to 2Tb
- That is a screaming deal compared to Google Drive and Dropbox at that level (1Tb/\$10/month)
- ...we'll revisit this topic later tonight...



.and more:

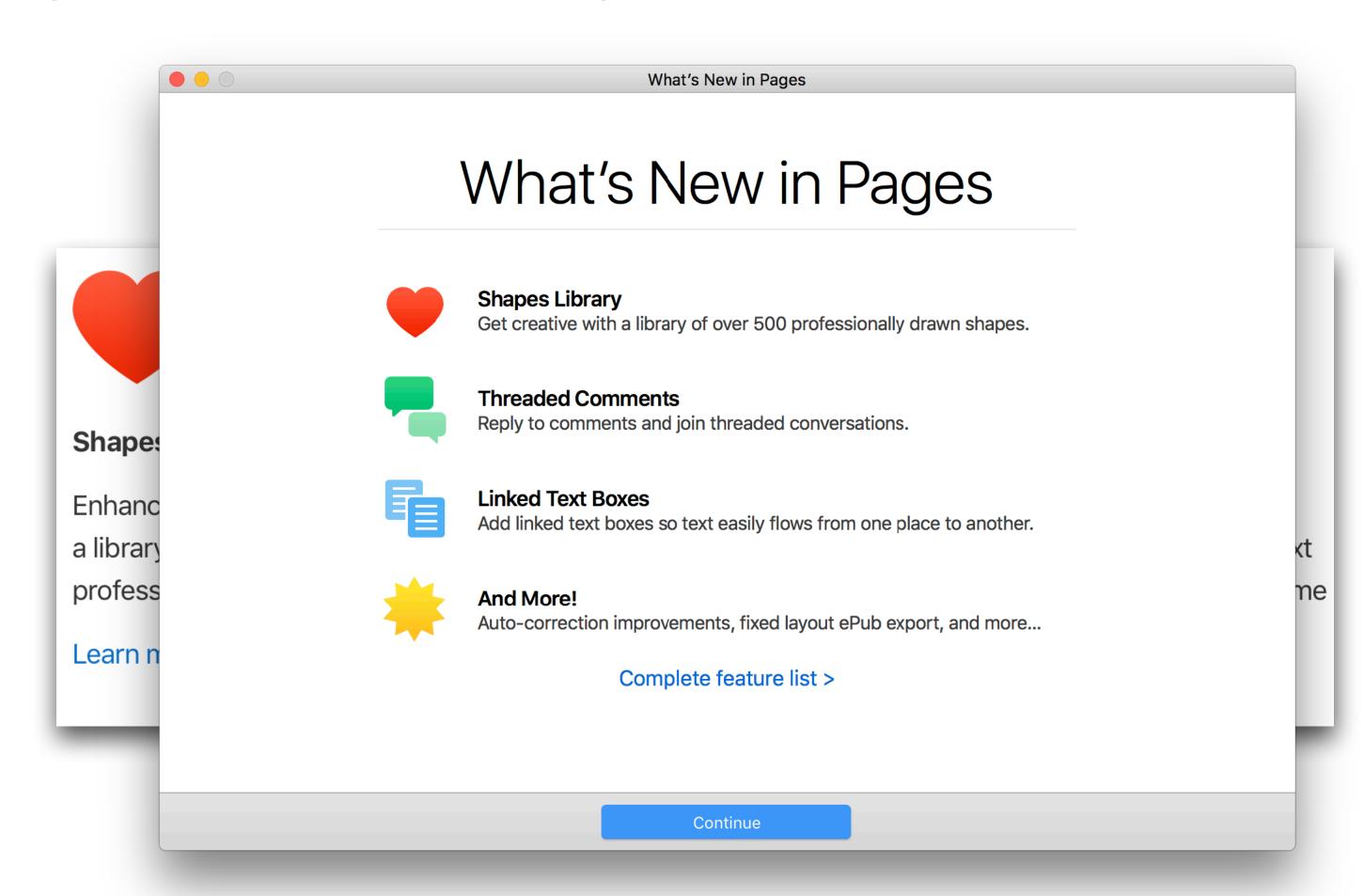
 New Apple Magic Keyboard with numeric keypad!

• \$129!



...and just today:

 Significant new features in Keynote, Pages, Numbers for Mac, iOS and iCloud.com



Get started with shapes

Choose from hundreds of shapes in the shapes library that you can add to your Pages, Numbers, or Keynote document, or create custom shapes in iWork.

You can quickly insert a shape from the iWork shapes library into your document.

- On your Mac, click then choose a shape.
- ullet On your iPhone, iPad, or iPod touch, tap +, then tap llot . Tap a shape.
- On iCloud.com, click then choose a shape.

After you add and position the shape, you can break it into parts, or combine it with other shapes to create a custom shape. When you've finished editing your shape, add it to your shapes library for later use.¹

¹Some features are only currently available on Pages, Numbers, and Keynote for Mac.

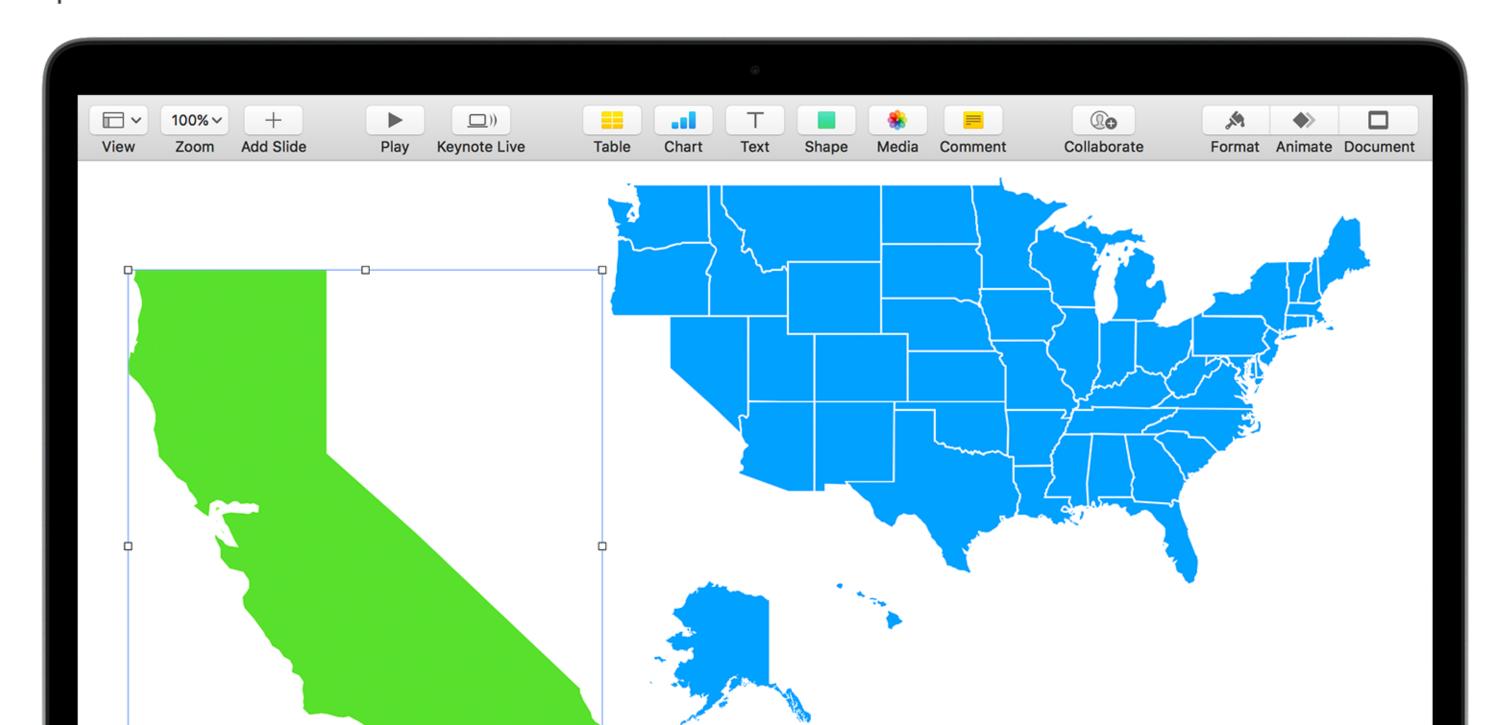
Break a shape into parts

Some shapes have multiple pieces. When you break apart a shape, you're able to change the color, edit the shape, or delete the individual pieces of a shape.

On your Mac, Control-click on the shape and choose Break Apart.

Some shapes in the shapes library include other potential shapes you might want to use. For example, if you wanted to use the shape of California, you could insert the complete map of the United States and enlarge it. After you break apart the shape, you can use the California shape by itself. If you want to be able to use that shape again in the future without breaking it apart from its parent shape, add the shape to your Shapes Library.

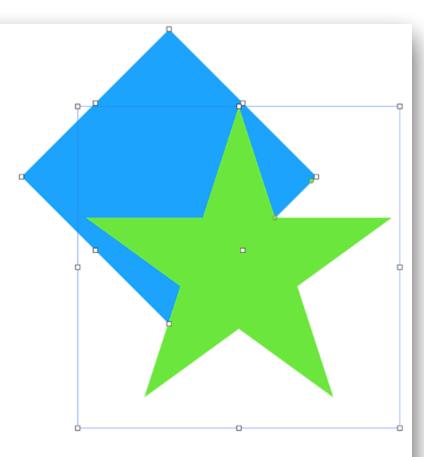
After you break apart a shape, you can make each piece a different color. For example, you could change the color for each state in the map, or change the color of a piece you've isolated from the remaining parts of the shape.

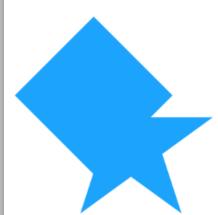


Create new shapes

You can combine and subtract shapes from each other to create new shapes. There are four different ways to create new shapes from existing shapes: Unite, Intersect, Subtract, or Exclude.

On your Mac, select all of the shapes you want to use then go to Arrange.





Unite

When you unite two shapes, they combine into one shape.



Subtract

When you subtract a shape from another, it removes the part of the shape that's layered on top of another shape.



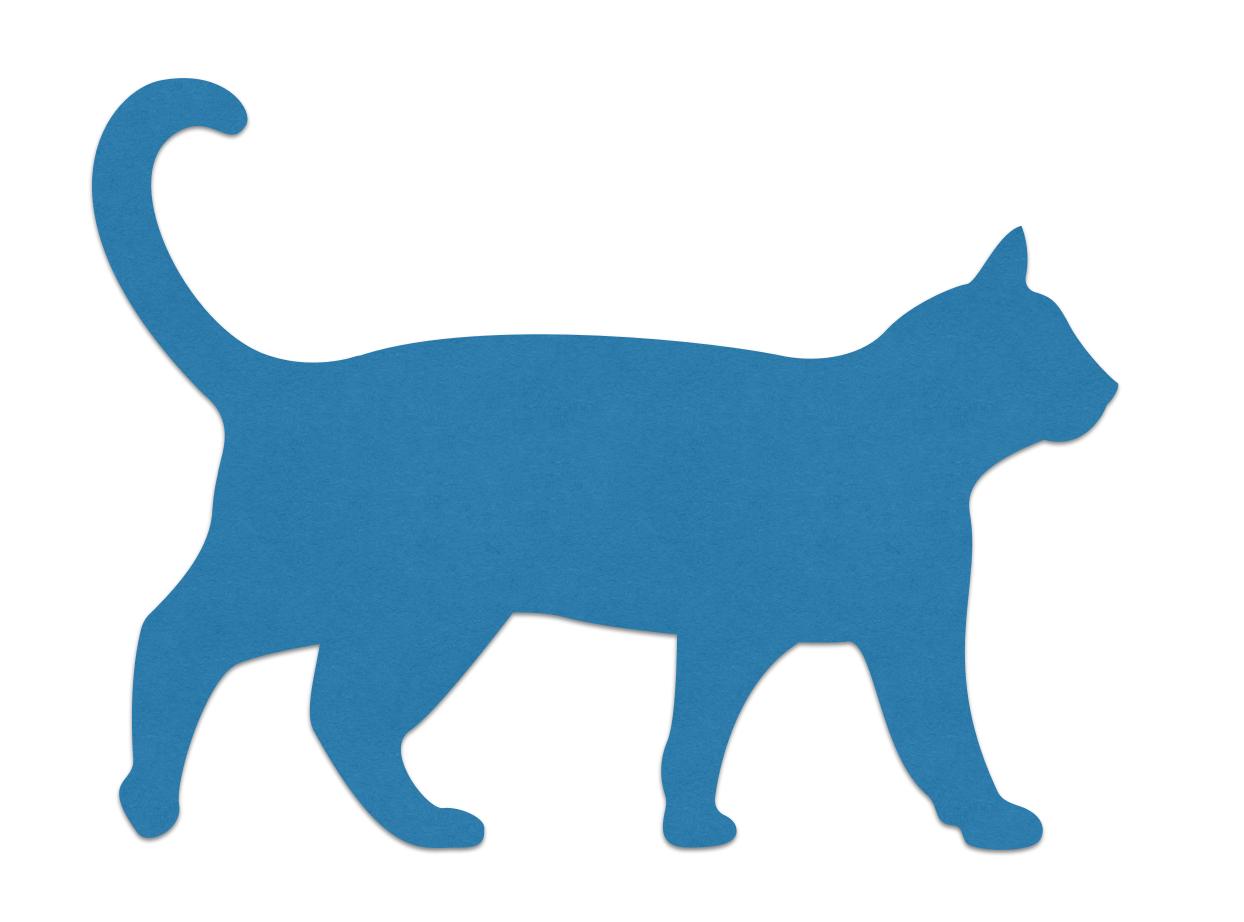
Intersect

When you intersect multiple shapes, it creates a shape out of the overlapping areas.

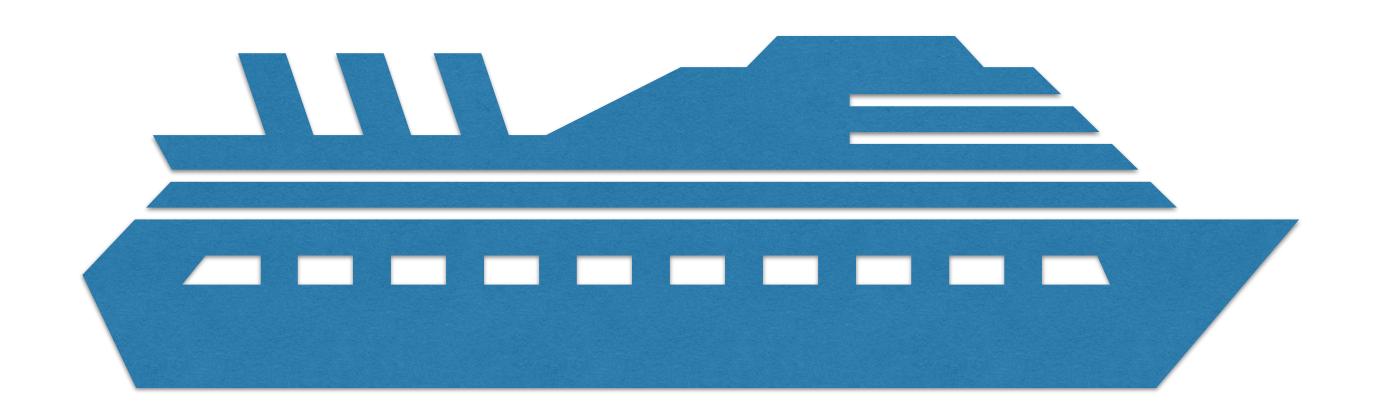


Exclude

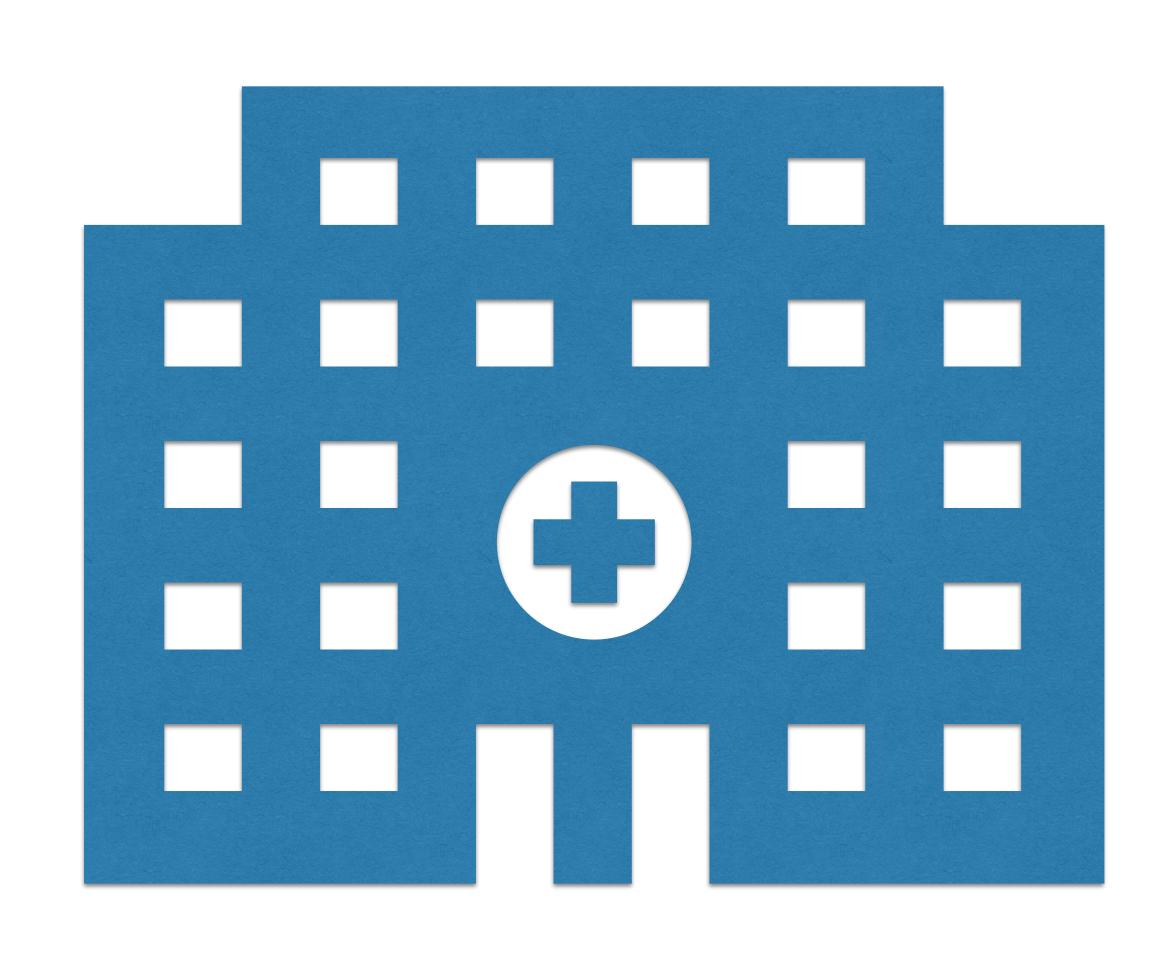
When you exclude two shapes, it creates a shape that excludes the overlapping area between the shapes.



Cat



Cruise Ship



Hospital



A disillusioned juggler giving up on his dreams

Sometimes, three backups is not enough

A cautionary tale

But First!

- January and October of 2017 have Friday the 13ths
- Every Friday the 13th has been officially designated (by Yours Truly)
 to be International Verify Your Backups Day

Verify Your Backup Plan & Procedures

- "The best time to practice emergency procedures is during non-emergency conditions."
- Wouldn't you be mad if, when you
 REALLY needed it, your backup plan failed you?
- Friday the 13th—every time it rolls around—is the perfect time to practice these procedures!



Your Backup Plan Must Be...

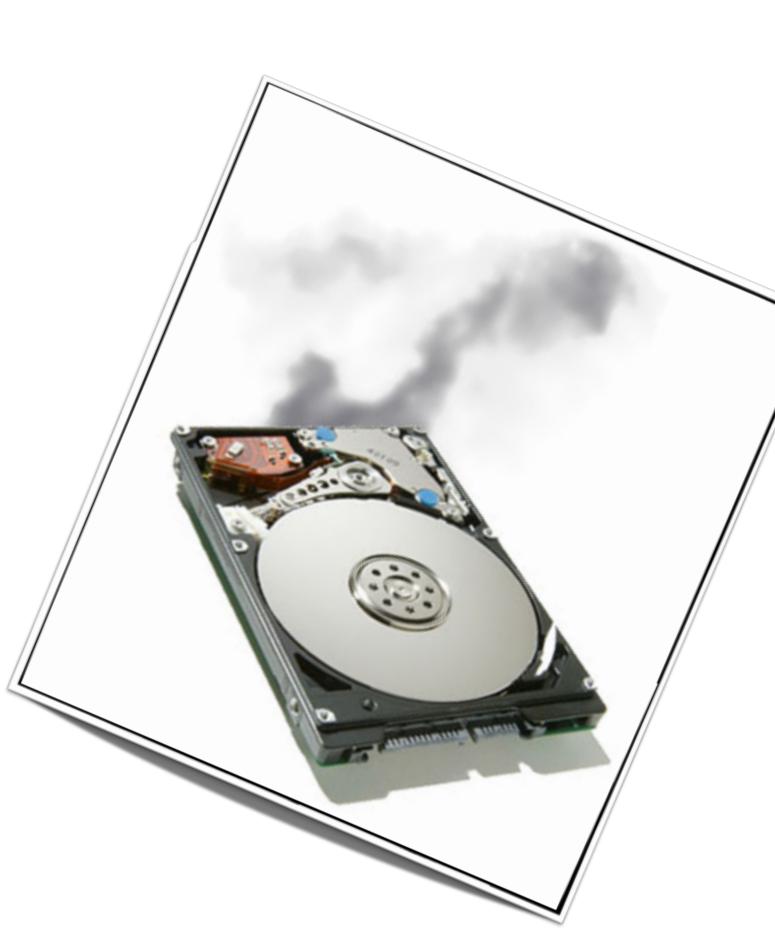
- AUTOMATIC, since even the most obsessive backer-uppers forget
- REDUNDANT, since only one backup is no backup at all
- OFF-SITE, since catastrophes are more common than you think, and
- VERIFIED, since your plan is worthless unless it actually works!

Follow the 1-2-3 Plan

- You need **THREE** copies of your data
- ...on **TWO** different media
- ...and **ONE** of the copies must be off-site

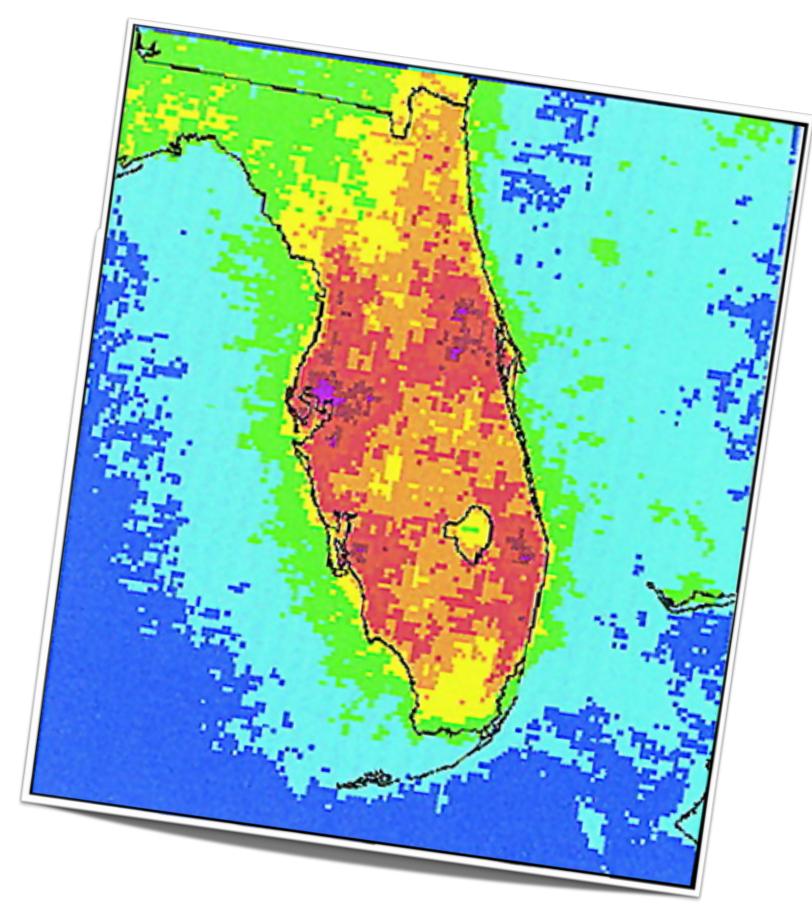
Verify and Test Your On-Site Backups

- There are only two kinds of hard disk drives: those that *have* failed, and those that *will* fail.
- To test your backups, restore an old file and an old folder from your Time Machine backup
- Boot your machine from your standby full-disk clone HD; check that it is a fresh clone and all files are there
- Make sure your cloning routine & cloning software is up-to-date and running on your defined schedule



Verify and Test Your Off-Site Backups

- Verify your off-site backup service connection
 & subscription
- Restore a folder from your off-site backup
- Re-read the emergency restore options & procedures for your service
- Update your notes & procedures for your offsite backup system



Lightning Strike Frequency Map Florida, 2012 Source: NOAA/NWS

Verify Your Triply-Redudant Backup System

- **Time Machine**: continuous, automatic snapshots of your Mac's HD 24/7; fire-and-forget; perfect for the "Whoops!" deletions all the way through full disk recovery
- Bootable clone: for the day when your Mac's inboard HD honks the bobo; set Carbon Copy Cloner to run a clone every day to an external USB HD
- Off-site unlimited cloud backup: BackBlaze, Carbonite, Mozy, CrashPlan for the day when your house burns down/blows away/ floods/blows up/is robbed/floods/is hit by lightning/drops into a sinkhole/has a tree fall on it/a car drives into it/etc., etc.

But are three backups enough?

Failure Mode

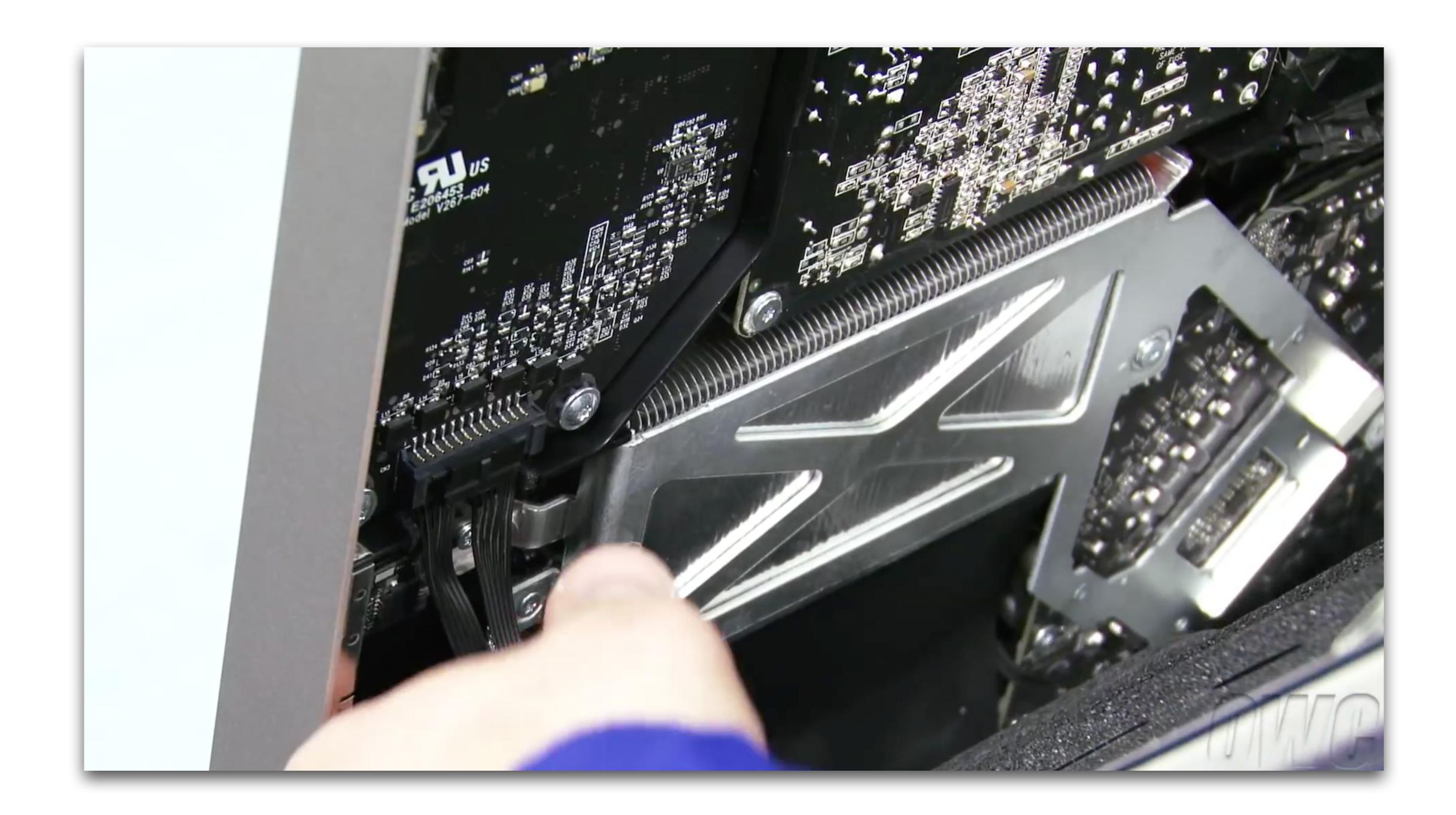
- First Wife complains that six-year-old iMac is acting crufty slowing down, spinning beach ball, etc.
- Mike runs Disk Utility on internal HDD, "SMART" status shows everything OK, we continue to monitor status
- Daily / continuous backup regimen continues:
 - Time Machine to network-attached storage (WD MyCloud)
 - Carbon Copy Cloner daily bootable bit-for-bit backup
 - BackBlaze continuous off-site cloud backup

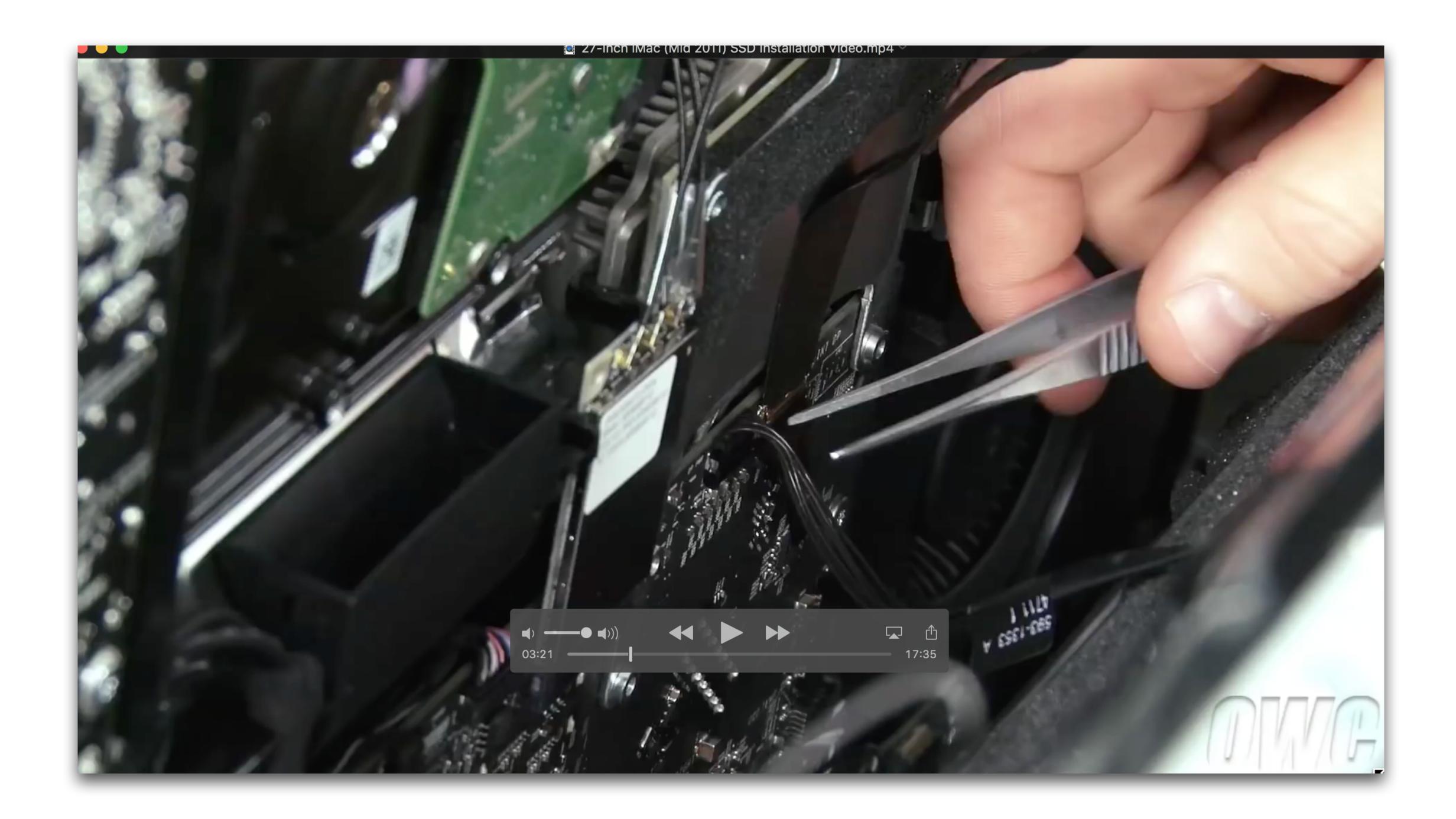
Decision: Replace Internal HDD with SDD

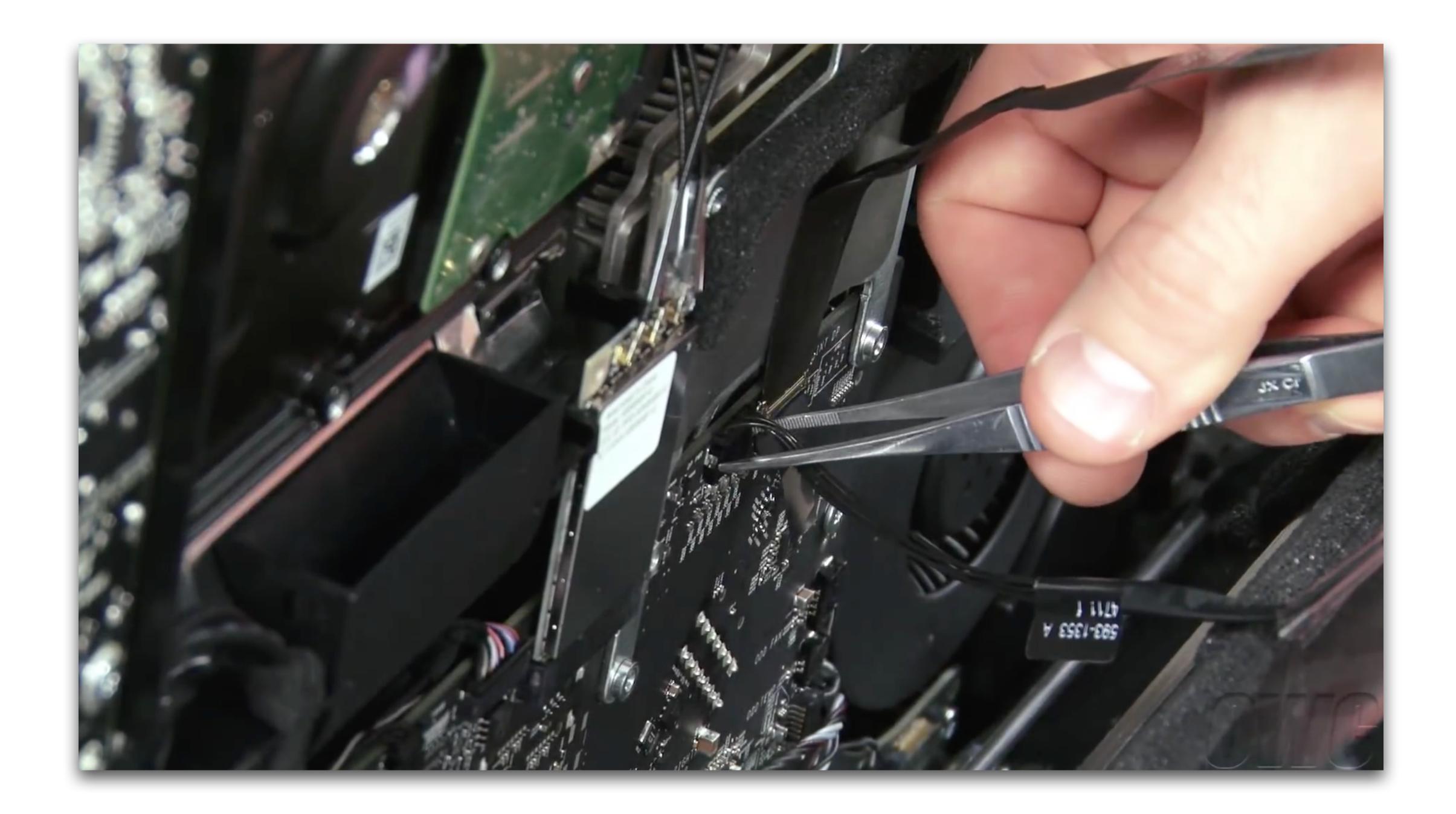
- Order 240Gb SDD upgrade kit from OtherWorld Computing
- iMac slows down so much that I boot it up from external Carbon Copy Cloner bootable HD; run machine from that for a few days waiting for SDD kit to arrive
- Shut down iMac and attempt upgrade

Mike's Track Record with Upgrades

- I have been upgrading computers since 1978
- Started out putting individual RAM chips into Apple][
- Dozens of RAM & HDD upgrades, HDD-to-SDD upgrades in MacBook Pros
- Perfect success record!

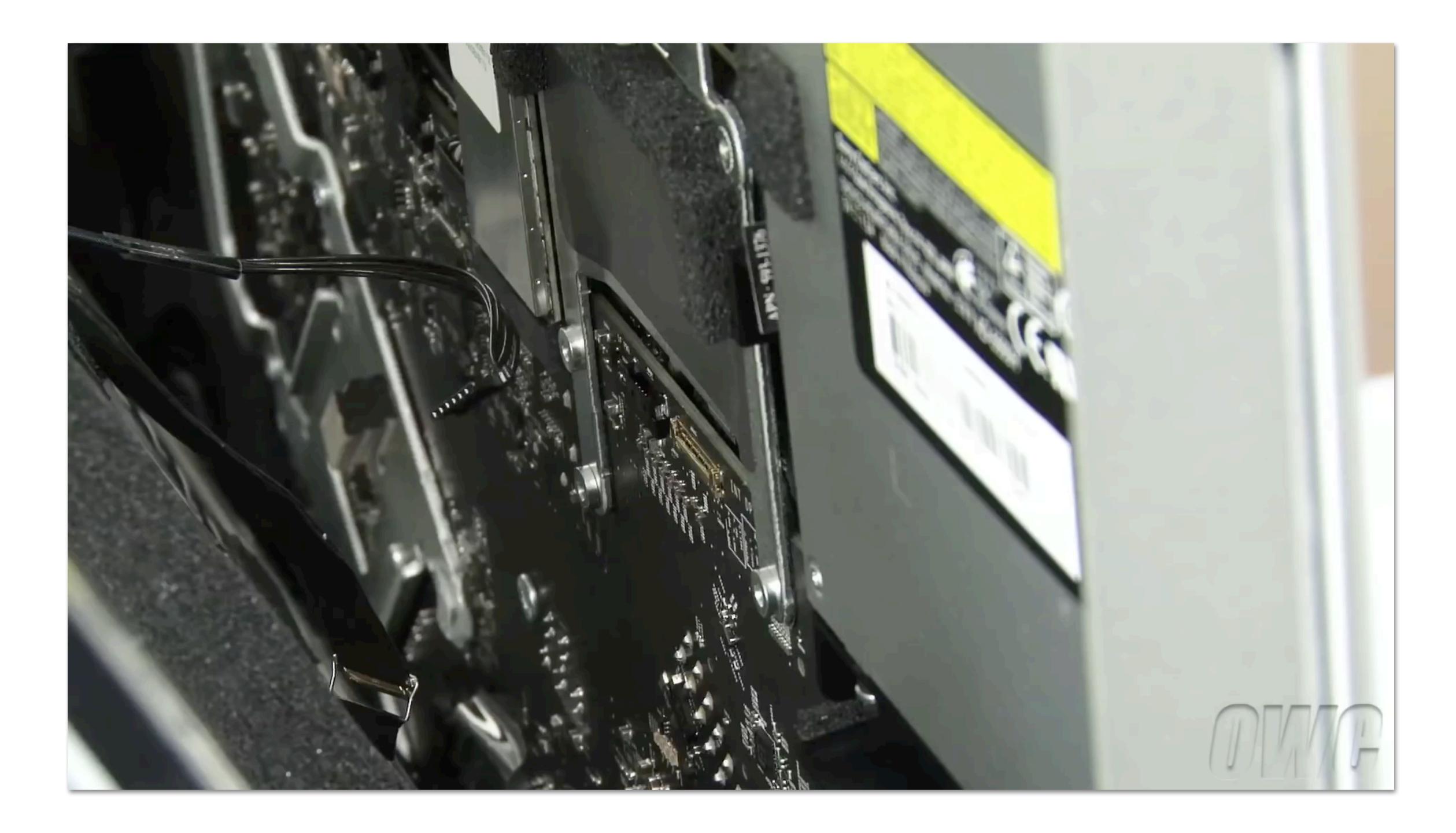






"Advanced"

- Suction cups to remove glass of iMac went fine
- 8 Torx screws to remove LCD; removing the four ribbon connectors between screen and LCD went fine
- HDD → SDD swap went fine
- Re-attaching ribbon connectors before re-securing LCD



That #)&\$#@* little power connector

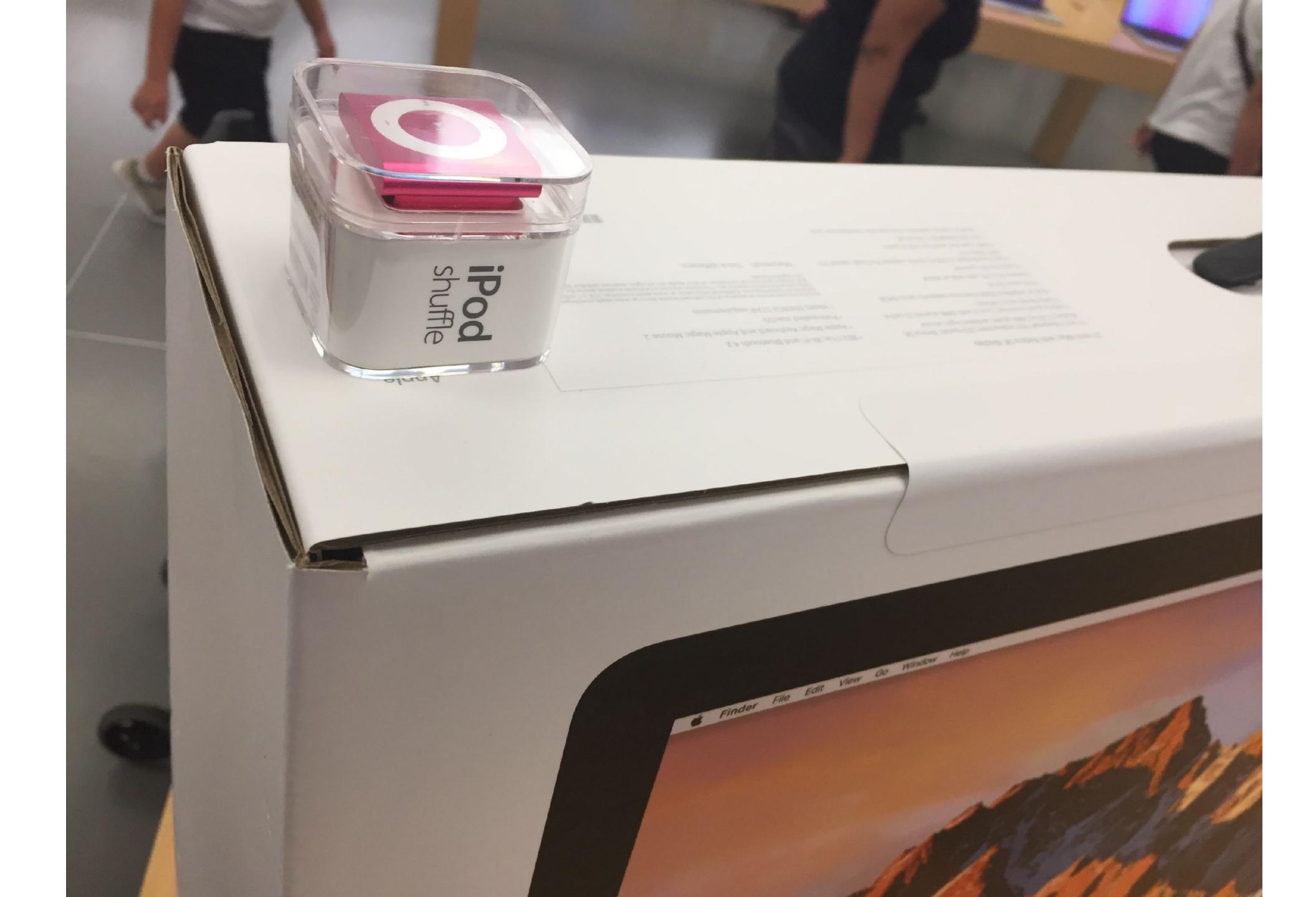
- It is not keyed no way to tell which of two (four?!) different ways it can connect
- Infuriatingly tiny, with a VERY small target to hit
- Connector and socket are very delicate
- No room to work, as we are holding the LCD while doing all this
- Lighting is not good deep inside the iMac

Honked The Bobo

- iMac screen never lit again
- Took the sad little Mac to our friends at UBreakIFix for a last stab; they took photos of the fried/smoked connector & video board — not cost-effective to repair
- Removed SDD upgrade & made plans to buy new iMac yesterday













That "new iMac" smell

The Restore: Level 0

- First attempt: install the old internal HD in an external HD enclosure
 - Would be nice if it worked long enough that we could just drag all our Home folder files onto the new iMac
 - But it is deader than disco

The Restore Level 1

- No problem: connect the external bit-for-bit bootable clone of the Carbon Copy Cloner backup disk and drag the files over from there
- Works fine for Documents, Desktop and Movies folders
- Problem: the Music and Photos folder of the CCC backup are empty
- We now suspect that those folders of the source drive were corrupted, and so the bit-for-bit clone copied and kept empty folders

The Restore Level 2

- No problem: we will go to BackBlaze and restore just those folders from the off-site backup
- Problem: those folders are empty on the BackBlaze backup
- Why? BackBlaze dutifully copied the *empty* source folders on the source drive!

We thought we were hosed

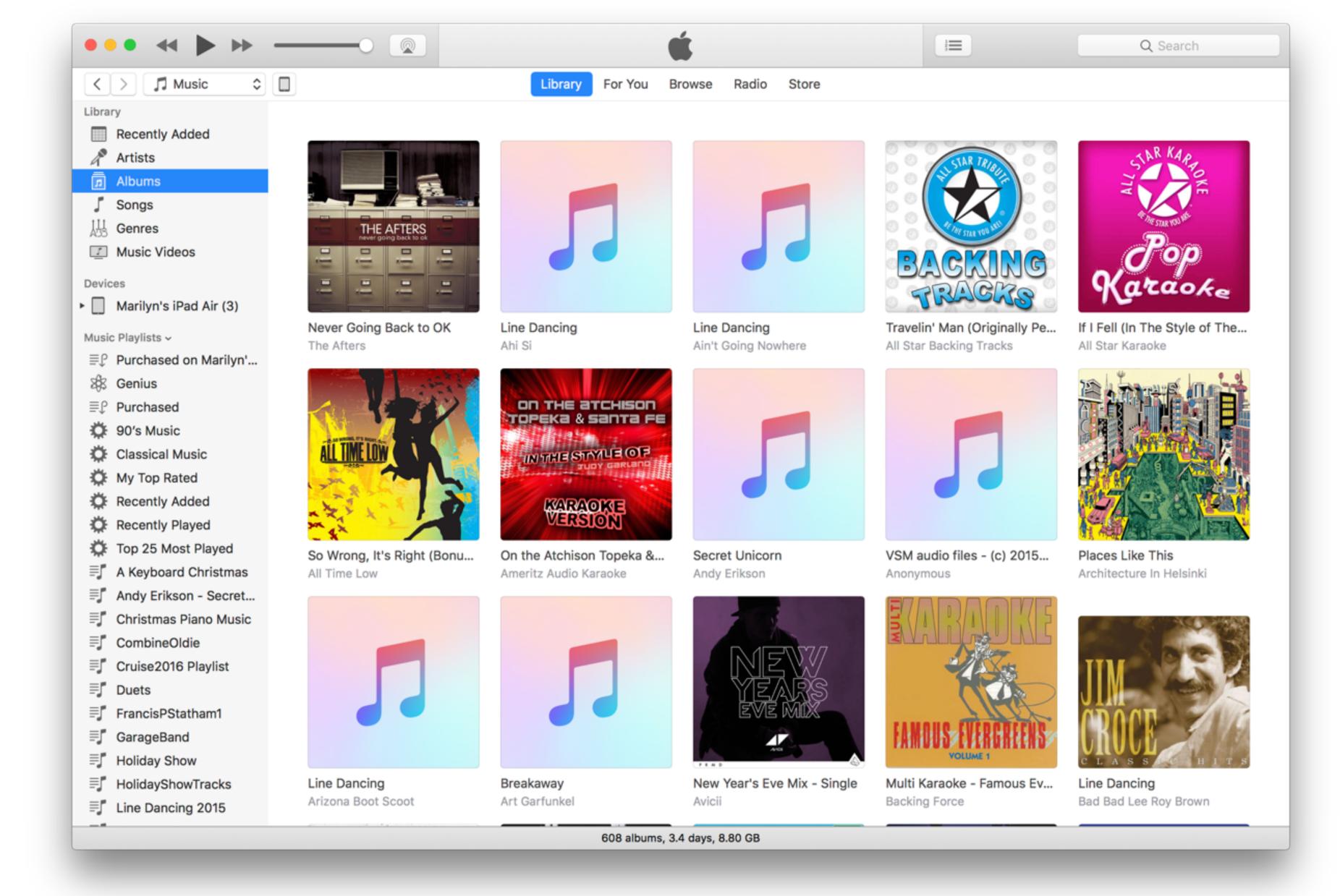
- No way to recover Music and Pictures folder contents
- Last resort: full restore from Time Machine on NAS drive, but that will bring over a ton of cruft from the old machine, which we do not want

Went to bed last night thinking this:

- I've been in this racket 40 years. I know this stuff.
- I employ well-researched "best practices" for data backup, read about it constantly, and think about it constantly
- I actually teach other people about this stuff, and help them get their own backup regimes set up
- ...and yet, I had a catastrophic data loss

And then...

- After being physically sick about this all night, and thinking and wondering and worrying and thinking...
- ...tried hooking up the old internal HD again this morning
- AND EVERYTHING IS THERE!
- · WH00000000000!
- · Immediately duplicate it all off to 2nd external HD for safety



What being let out of the doghouse looks like

- Spending \$250 on an SDD upgrade to a six-year-old iMac, which involves a dodgy install, might not be worth it.
- And even if you did decide to do it, ask the young pups (with the small fingers and good eyesight!) at UBreaklFix to do the upgrade for you! They do that!

- Verify Your Backups!
- I would verify MY backups every Friday the 13th, but I don't think I verified *Marilyn's* backups!
- *Inspect a sampling* of the backup target folders & files make sure they look just like the source folders & files in number, size and contents

- · When an internal HDD failure is suspected:
 - Disable the daily bootable clone! Physically disconnect it!
 - Disable the BackBlaze off-site backup process
 - If possible, stop using the suspect machine until repair/ replacement can be made
- This "freezes" the backups into a known (good) state, likely with all of the data intact prior to failure

- Remember when we mentioned the \$120/year, 2Tb iCloud drive pricing Apple just announced?
- Or Amazon's unlimited Amazon Cloud Drive cloud storage plan, for just \$60/year
- 2Tb should hold pretty much everything more normal people have to store
- Why not sign up for those and let them worry about backups, buying more hard drives, replication, etc.?

Support the Cove Apple Club





MEETINGS **EMAIL LIST** ARCHIVES

SHARE. LEARN. LAUGH!

Join over 200 Cypress Cove residents and members in the Cove Apple Club, and you'll learn more and get a lot more fun and productivity out of all your Apple gear! The Cove Apple Club has been meeting every month for over a decade, and the fun just keeps getting better and better!

We meet twice a month, year-round. Check our <u>upcoming meeting schedule</u> and plan to join us at our next meeting!

If you're new to the world of Apple, an old Machead from years back, or even a frustrated Windows user, you will find something interesting and entertaining at each of our meetings. Our meetings are fun and informative, with topics presented covering the range from beginner to advanced.

Our focus is on Apple products, but we often also look at other new technologies not specific to the Apple platform, ranging from computer security to Internet telephony to changes in the industry to neat new tech gadgets of interest to everyone.

All Apple products are fair game at our meetings: iPad, iPhone, iPod and Macs of all sizes, as well as the huge world of Apple software, hardware and accessories.

Find out more about the club, our meeting schedule and how you can get in on the fun. Click the links below for details, and be sure to join our email list for all the latest updates.

Come join us and learn how to DO MORE and HAVE FUN with your Apple gear!



Everyone is welcome at our club meetings. We warmly welcome curious or frustrated PC, Windows and Android users, as well as anyone interested in anything Apple-related. There's a little something for everyone at each and every Cove Apple Club meeting, so don't miss out!



MEETINGS





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SUPPORT THE COVE APPLE CLUB WHEN YOU SHOP AT AMAZON.COM

The next time you need some new Apple or other tech gear (or anything else from the 20,000,000 items in stock!), start your online shopping session with our link to Amazon.com. Your purchase will earn a little money for the Cove Apple Club, which we save up all year for a big Holiday Party for all members of the club! We update club members on the earnings every month.

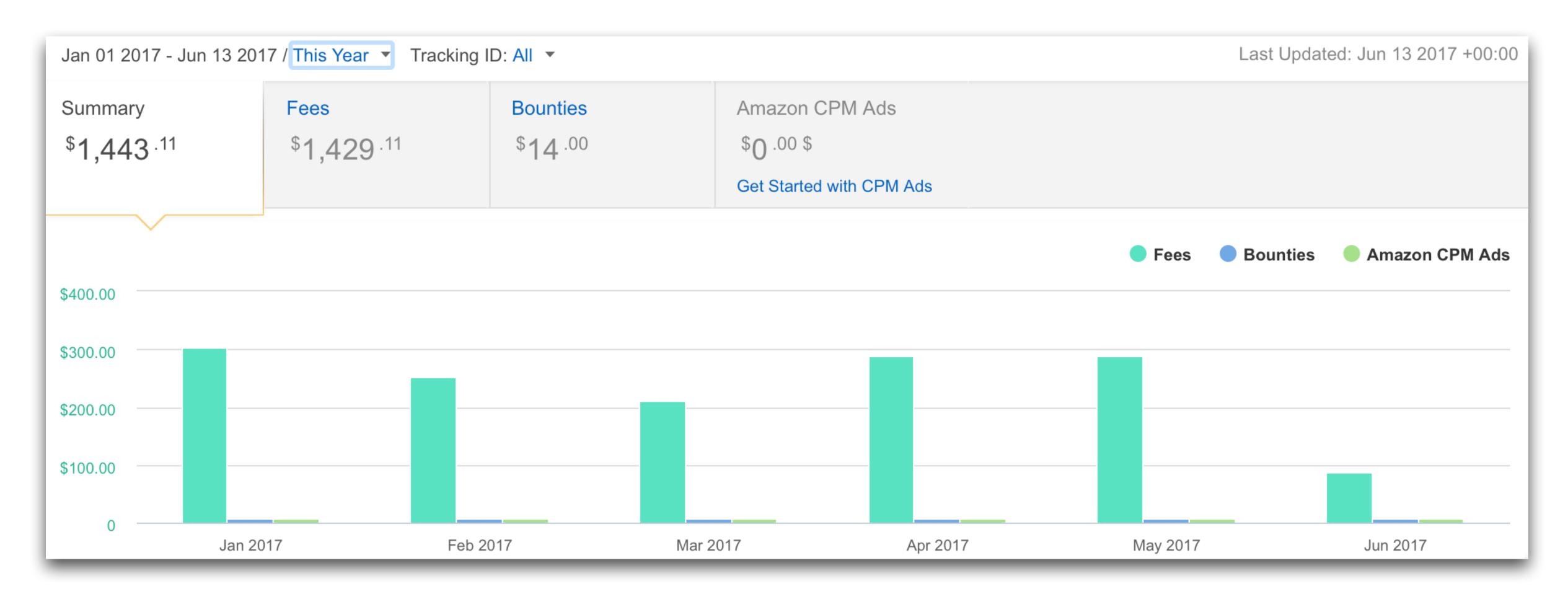
So be sure to click the Amazon logo below when you need to shop for Mac products online...and "give back" to the Cove Apple Club -- without costing you an extra cent! Thanks!

THREE EASY WAYS TO USE THE AMAZON SHOPPING LINK

- 1. <u>Just click here</u> you'll be sent to the Amazon.com homepage.
 - 1. Once you arrive at the Amazon homepage, **BOOKMARK** that page:
 - 1. In Safari on Mac, type Cmd-D
 - 2. In Safari on iOS, tap the Share widget, then tap Add to Favorites or Add Bookmark.
- 2. Drag this link: **Amazon** to your Favorites bar in your Web browser. Then it's handy anytime you want to visit Amazon.
- 3. Just click the Amazon banner ad below.



2017 YTD - 24 Weeks In





Prime Day is Coming!

- Christmas in July for Amazon Prime members!
- Last year's Prime Day was July 12
 and it was a monster
- Remember, you can join Prime and pay month-to-month for just \$8.99, and cancel any time



Everything included in Prime

Twitch Prime

Get free game content every month, ad-free Twitch viewing, Twitch Channel Subscription, plus loads more.

Member Exclusive Discount on Video Games

Discounts apply to pre-orders and collector's editions for PC, PlayStation 4, XBox One, Wii U, 3DS and more.

Kindle First

Choose one Kindle book of the six Editors' Picks each month for free.

Prime Photos

Free unlimited photo storage for you and five others. Plus, upgraded search helps you find photos fast.

Prime Video

Stream thousands of movies and TV shows at no additional cost on over 200 devices.

Prime Delivery

FREE Two-Day Shipping on millions of items, FREE Same-Day Delivery in select areas & more.

Amazon Family

20% off diapers subscriptions and 15% off eligible products from your baby registry, compliments of Amazon Family

Amazon FreeTime Unlimited

Access to thousands of kidfriendly books, shows, games and more, for just \$2.99/month.

Early Access to Deals

Prime members get 30-minute early access to Lightning Deals on Amazon.com.

Amazon Prime Store

Card

Earn 5% back every day with Amazon Prime Store Card.

Prime Now

One and two-hour delivery on tens of thousands of items from Amazon and local stores.

Washington Post Free Trial

Limited time: Enjoy unlimited access to the Washington Post with a six-month free trial.

Audible Channels

Unlimited listening to original audio series and playlists handcrafted for every interest.

Amazon Channels

Only for Prime: Sign up for a free trial for over 80 premium networks including HBO, SHOWTIME and STARZ.
Cancel anytime.

Prime Reading

Enjoy unlimited reading on any device, with over a thousand books, magazines, books with Audible narration, comics, articles, Kindle Singles, and more.

Prime Music

Stream a growing selection of

Prime Pantry

Everyday sizes of popular

Amazon Elements for

Drim

Amazon Dash for Prime

Share Your Prime

Share select Prime benefits

Six-month free trial of digital access to The Washington Post with Prime annual subscription.



Get Free Access to The Washington Post

Jeff Bezos, CEO & Founder of Amazon, owns the Washington Post.

Last Year's Prime Day Was Immense

- 43,000,000 orders across 21 countries — about 40 orders PER SECOND
- 90,000 HDTVs purchased
- New deals launching every 5 minutes

- "Several million" Fire Tablets and Fire Sticks sold
- One Alexa-only voice order per second
- Estimated \$3-billion in business in one day



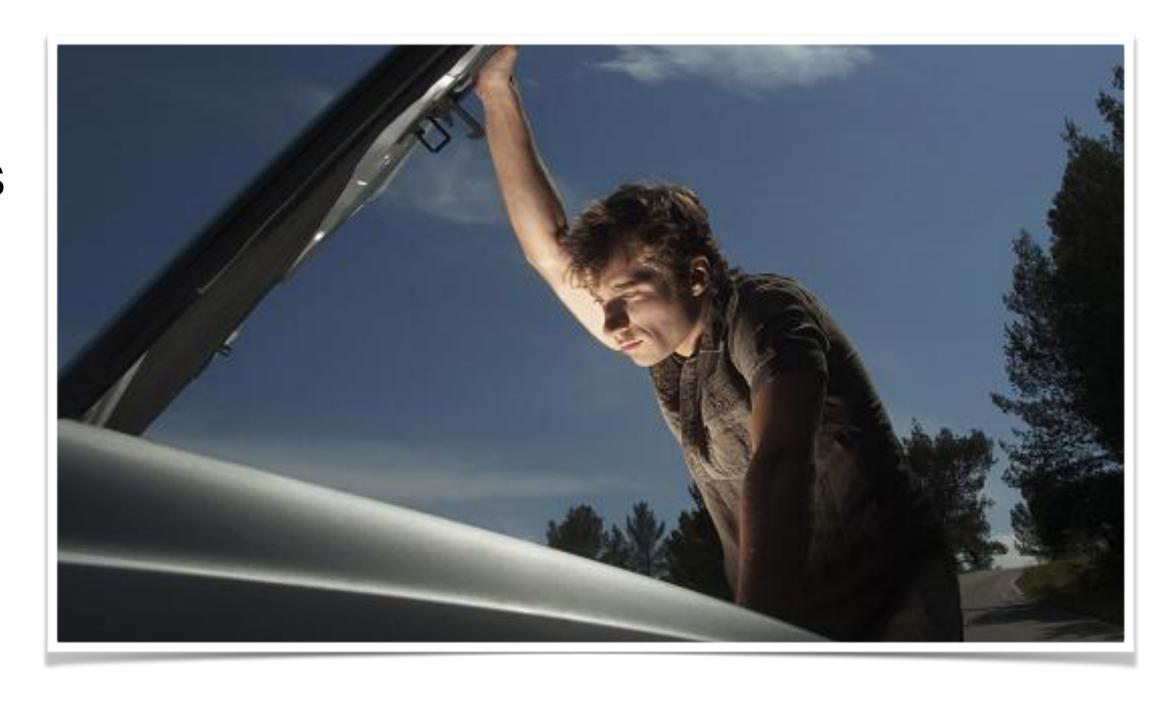


Looking Under The Hood

Seeing what's happening in your Mac

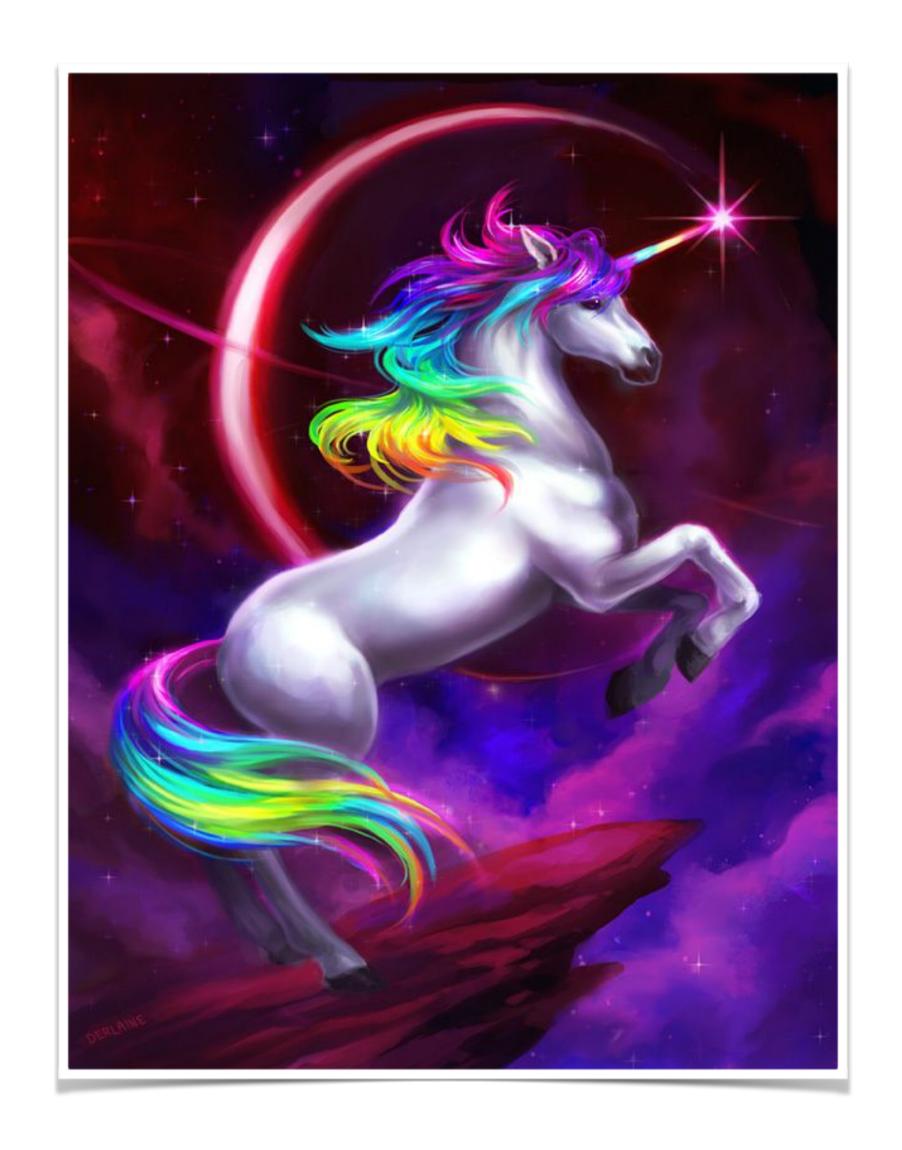
Looking Under The Hood

- Macs are (mostly) trouble-free
- Apple goes way beyond what Windows have to put up with regarding software updates, security updates, app updates, etc.
- And alone in the world of computing, only Apple makes the whole widget: OS, hardware, and key apps



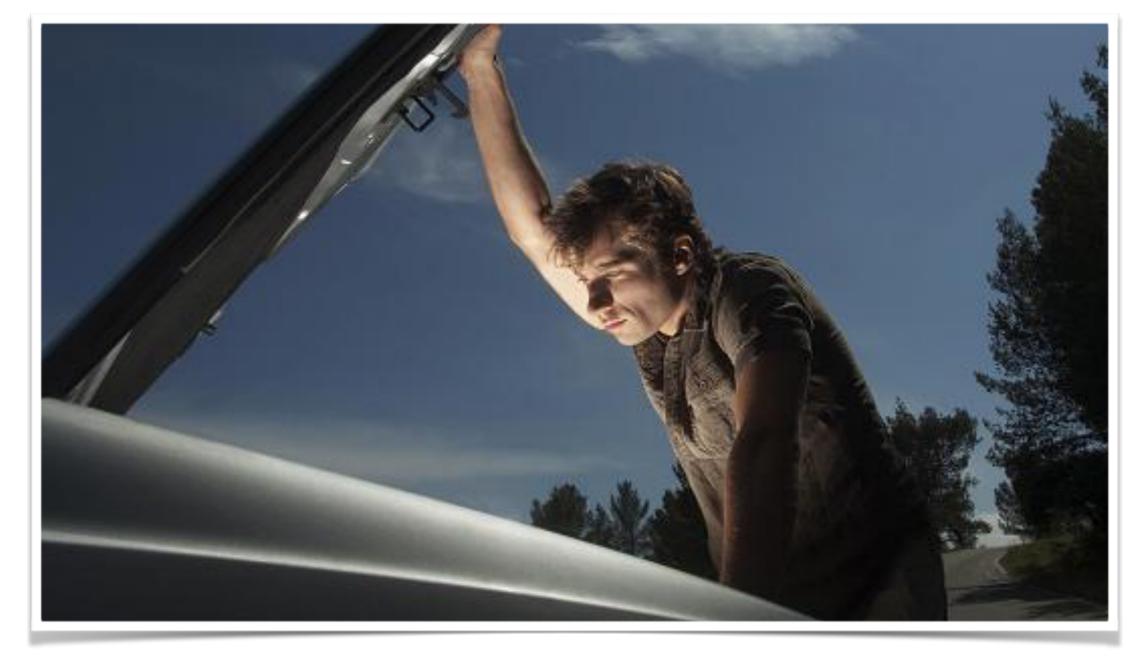
How Good We Have It

- No need for virus scanners, defrag utilities, etc.
- Just turn on auto updates, implement a sound 3-2-1 backup strategy, and don't do anything stupid



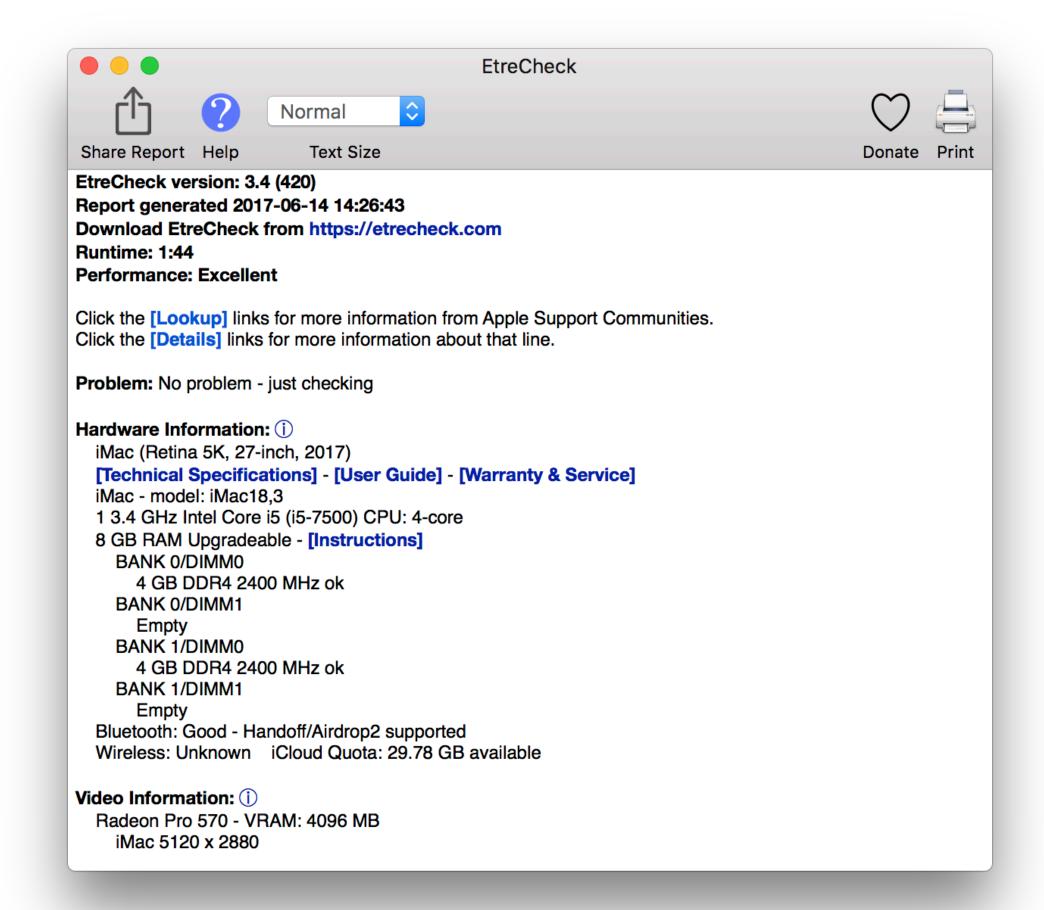
But...

- Macs are machines
- All machines break eventually
- And sometimes they need maintenance and/or troubleshooting



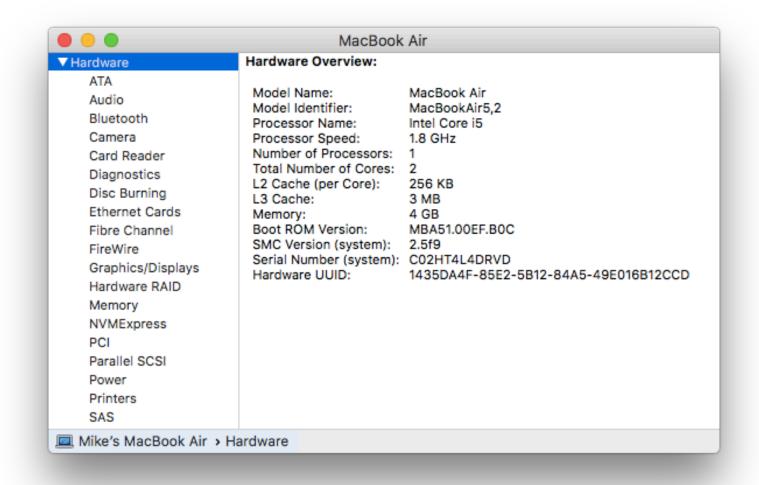
Mac Diags

- Apple has designed your Mac to intentionally hide all the complexity required to give you a supercomputer on your desk
- There are *billions* of moving parts in your Mac — some physical, most of them electronic
- And there are tools we can use to watch them work & see if something is awry



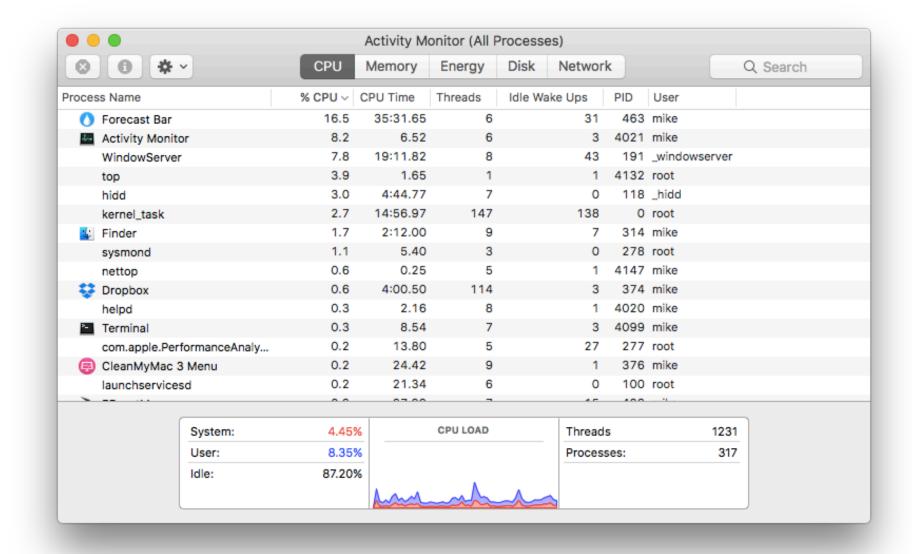


About This Mac



System Information

Tonight's Demo



Activity Monitor



EtreCheck

About This Mac / System Information

- Click the menu on your Mac, and choose "About This Mac..."
- For System Information, hold down the Option key, then click the menu on your Mac, and choose "System Information"
 - Or, open the Utilities folder in your Applications folder, and doubleclick System Information
 - Or, from the About This Mac main tab, click System Report...

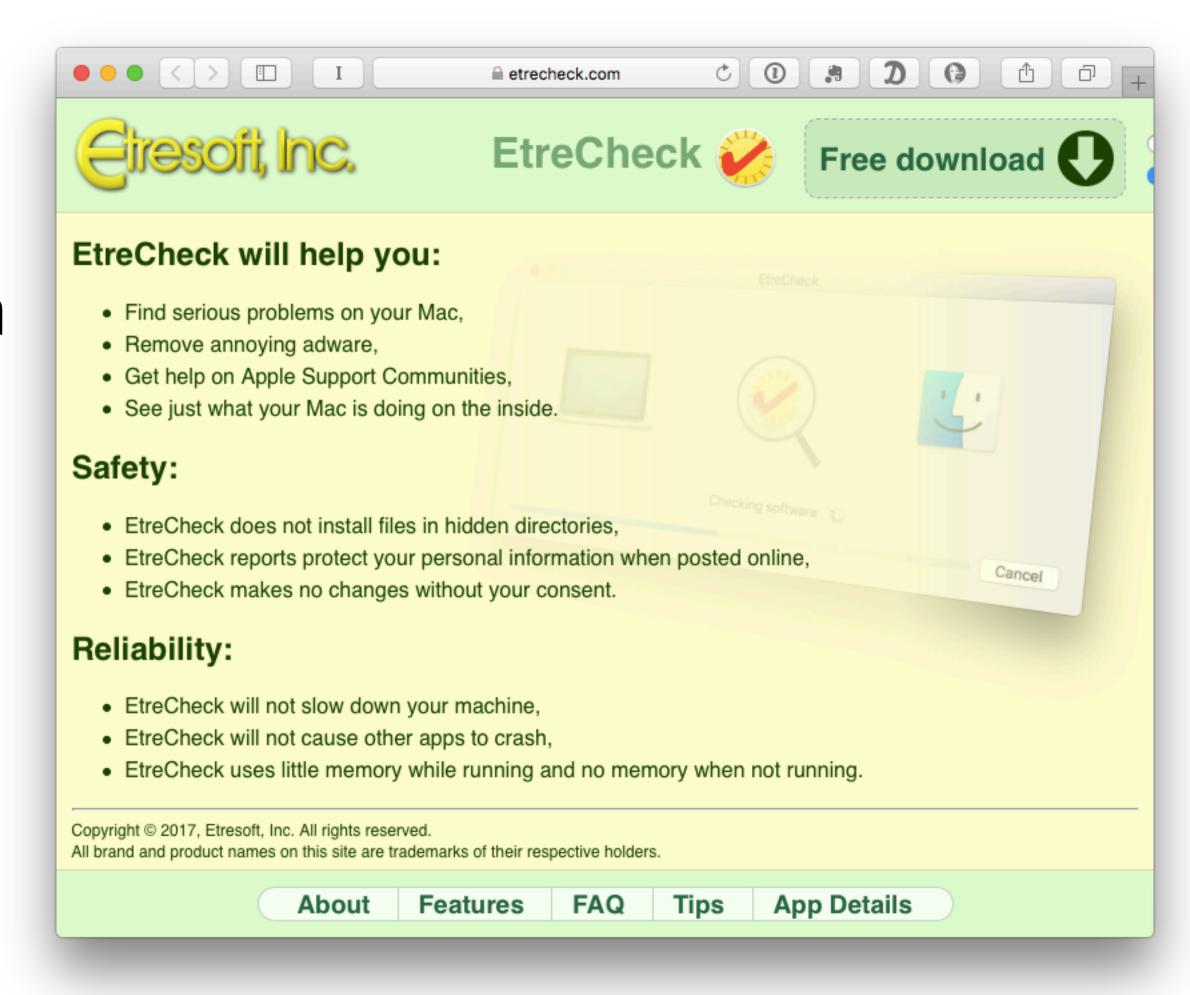
Activity Monitor

- From the Go menu in the Finder, choose Utilities
- Double-click Activity Monitor



EtreCheck

- Free download at EtreCheck.com
- Donations welcomed
- Highly recommended



Our Next Meeting & Happy Hour!



Meeting & Happy Hour!

- Happy Hour from 6-7pm
- Cove Apple Club provides a starter selection of cheap canned beer, and a few snacks
- PLEASE bring a SMALL item to share, and something better to drink!

JUN

Cove Apple Club 7:00 PM - 8:15 PM

No July 12 Meeting!

July 201	17					< Today >
Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	Cove Apple Club	29	30	Jul 1
2	3	4	5	6	7	8
9	10		Cove April Cub	13	14	15
16	17	18		20	21	22
23	24	25	26 • Cove Apple Club	27	28	29

See you at Cheeks!

