



# Apple User Group

Mar 30, 2015  
Episode 54\*



\*Since Jan 2010



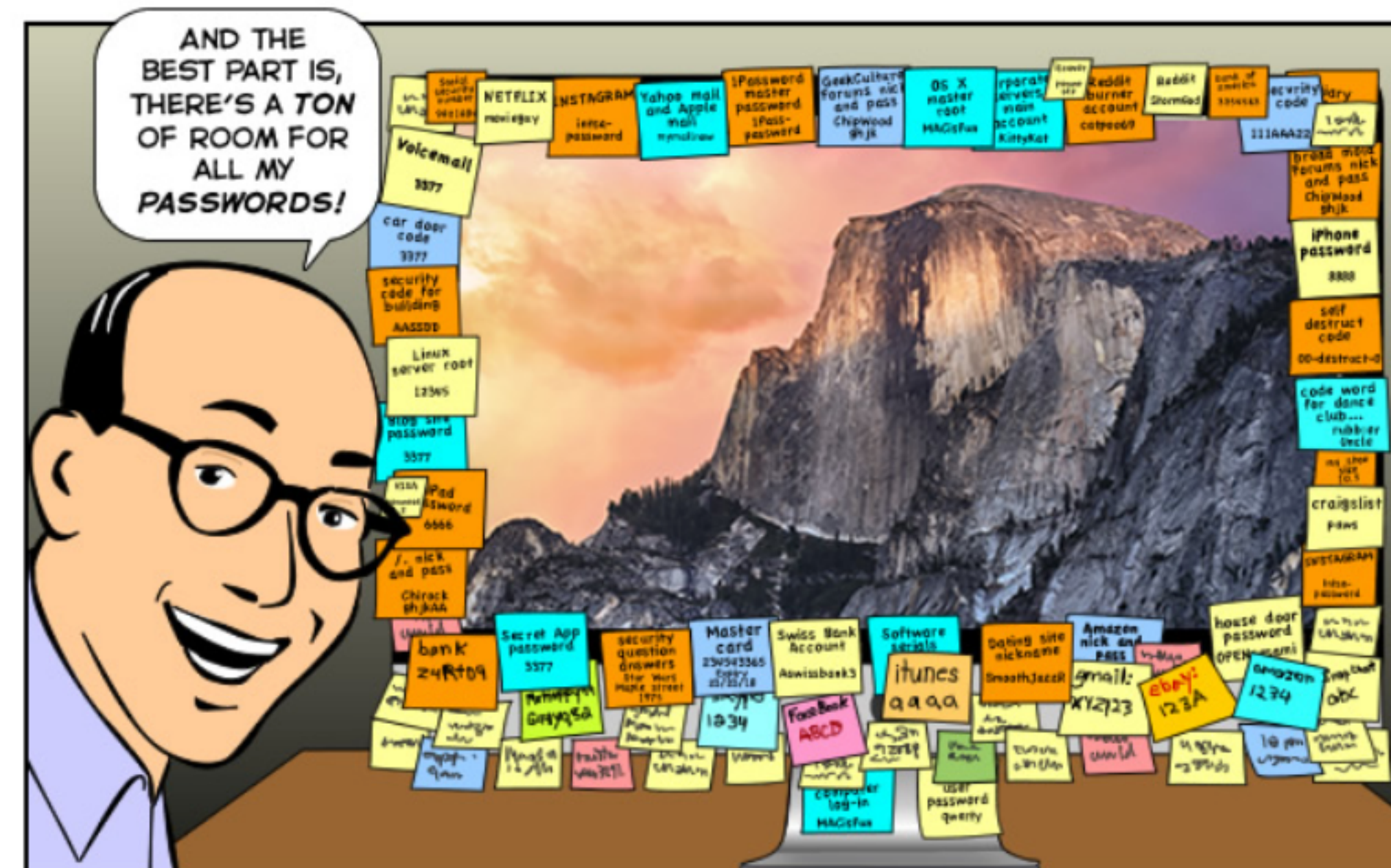
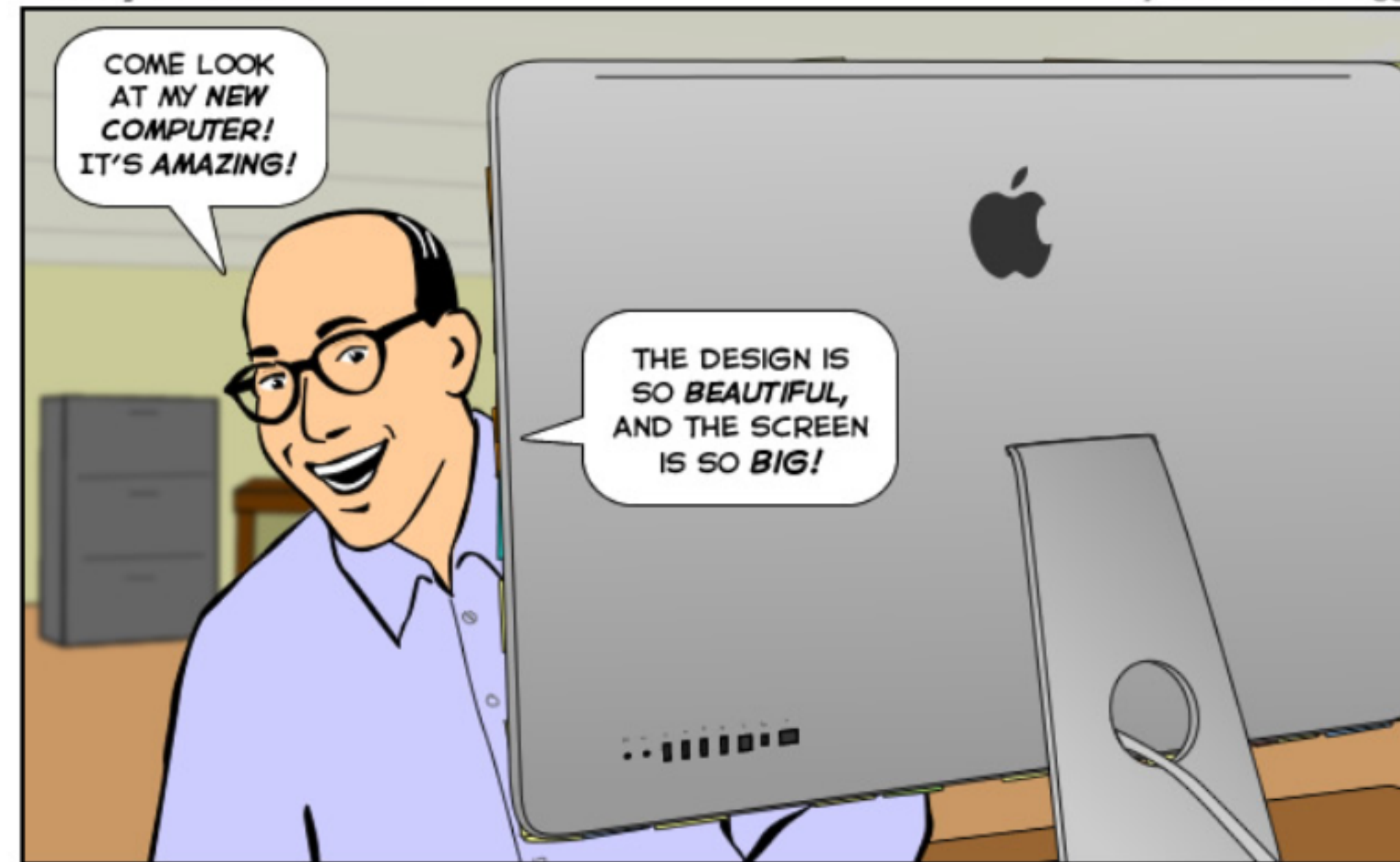
# Next Meeting

Monday 9:30

Apr 27, 2015









# Apple News!





# Apple News



- iOS 8.2 released on 4/9 with Apple Watch support, Health App improvements, stability improvements and many bug fixes
- Apple has recently sold its 700 million<sup>th</sup> iPhone.
  - Apple's handset business has grown at double the rate of others in the industry.
  - Customer satisfaction is at 99 percent with the iPhone 6 and iPhone 6 Plus.
- Apple also announced that every major car manufacturer has committed to delivering CarPlay-compatible vehicles. Forty new car models should ship in 2015 with CarPlay.

# Apple News



- Apple replaced AT&T in the Dow Jones Industrial average this month
- Apple has begun to animate locations in Apple Maps. In London, the London Eye rotates and Big Ben always shows the correct time.
- Apple, which has sold 25MM Apple TVs, dropped the Apple TV price to \$69 from \$99.
- There are also rumors of a new Apple TV to be announced at WWDC along with a development kit, Siri interface, and it's own app store.



# Apple News



- Apple Pay since introduction has tripled the number of stores in the US to 700,000 and the number of banks offering Apple Pay compatible cards is now 2,500
- Apple Pay is currently accepted at 20,000 Coke vending machines, and the soda giant plans to grow that to 100,000 this year.
- Apple updated both its MacBook Air line and 13-inch MacBook Pro with Retina display with faster fifth-generation i5 and i7 Intel chips and faster Thunderbolt 2 ports.

# Apple News



- In February, Apple became the first U.S. company to be worth \$700 billion.
- To put this in perspective, Apple is worth more than:
  - The gross national product of Switzerland (\$685 billion)
  - The entire Spanish stock market (\$664 billion)
  - Google (\$365.46 billion) and Microsoft (\$349.89 billion) combined
  - Four Apollo Space Programs (total \$680 billion)
  - Twenty National Football Leagues (total \$653 billion)



# Apple Spring Forward Event



## Spring Forward.

Join us on March 9 at 10 a.m. PDT for our special event.  
Watch the live video and follow every moment on [apple.com/live](https://apple.com/live).



Add to your calendar

Live streaming video requires Safari 5.1.10 or later on OS X v10.6.8 or later; Safari on iOS 6.0 or later. Streaming via Apple TV requires second- or third-generation Apple TV with software 6.2 or later.

# HBO now



- Apple and HBO announced HBO Now at the Spring Forward event:
- HBO Now will be available exclusively (for 3 months) on Apple devices as an Apple TV channel, and as an iPhone and iPad app
- HBO Now will be available as a stand-alone subscription, and won't require a cable TV package subscription (as does HBO Go)
- The new subscription channel will cost \$14.99 a month, and signing up in early April will get you a month service for free.

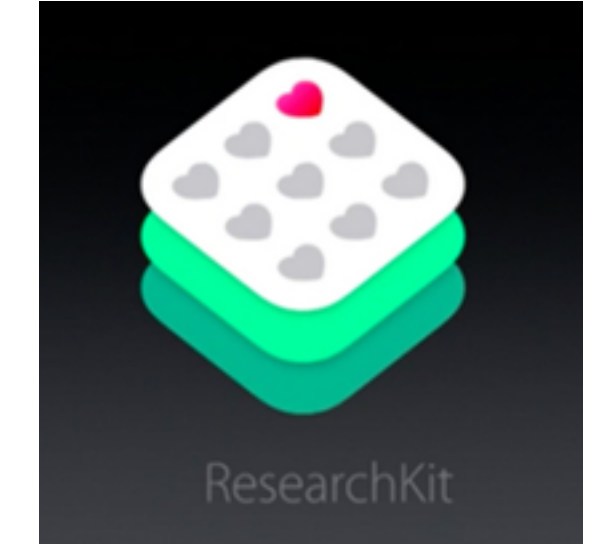


# Apple Watch



- Apple announced the Apple Watch will be available on April 24 with pre-orders starting on April 10th and will have an 18 hour battery life
- The Sports Model will be priced at \$349 and \$399 depending on the size (38/42mm)
- The stainless steel Apple Watch will range between \$549 to \$1099 depending on the size and which band you choose.
- The 18-karat gold Apple Watch Edition will cost Between \$10,000 to \$17,000 depending on the size and model.
- But they do have free shipping. 🤪

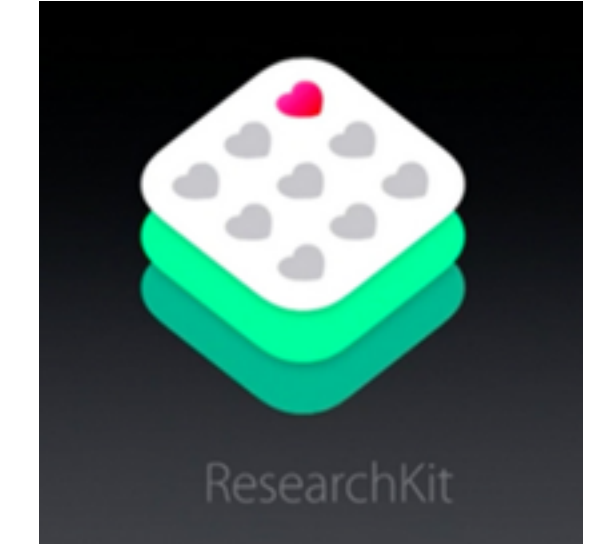
# Research Kit



- Apple announced a new tool for developers called ResearchKit at the Spring Forward announcement.
- With ResearchKit, medical research institutions across the world will have the ability to create apps for medical research studies for iPhones users.
- Five ResearchKit apps are available currently for iPhone users for tracking people with Parkinson's, cardiovascular disease, asthma, diabetes, as well as breast cancer survivors.
- Apple will not be able to see the data



# Research Kit

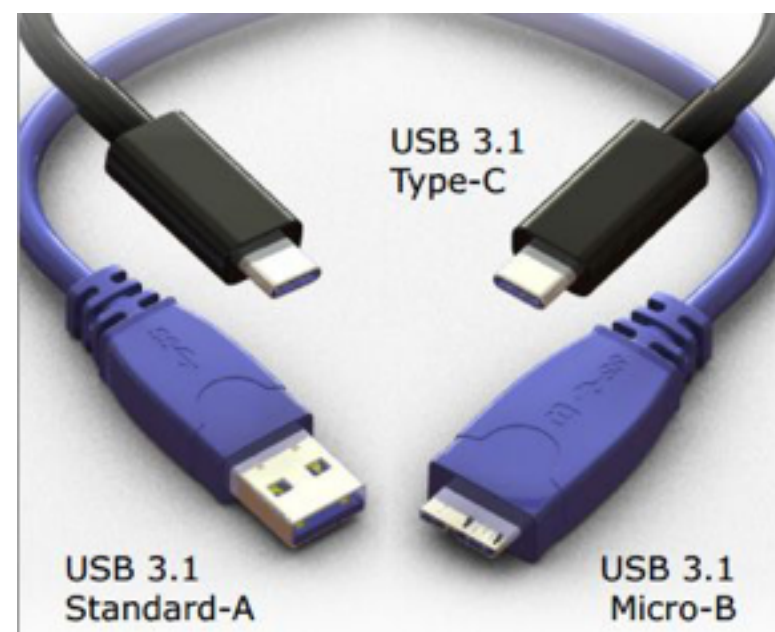


- More than 11,000 iPhone users have already signed up for a Stanford University cardiovascular study using the MyHeart Counts app.
- “To get 10,000 people enrolled in a medical study normally, it would take a year and 50 medical centers around the country,” said Alan Yeung, medical director of Stanford Cardiovascular Health. “That’s the power of the phone.”
- In a very surprising move, Apple will make ResearchKit open source

# New MacBook



- Apple announced a new laptop called MacBook
- Apple will still sell the MacBook Pro and MacBook Air
- The new MacBook comes with a 12” retina display with 8 GB of memory:
  - \$1299 for 256GB solid state storage
  - \$1599 for 500GB solid state storage
- It will come in the same 3 colors as the iPhone and iPad. Silver, Space Grey, or Gold
- It the lightest, most compact Mac laptop ever weighing only 2 pounds

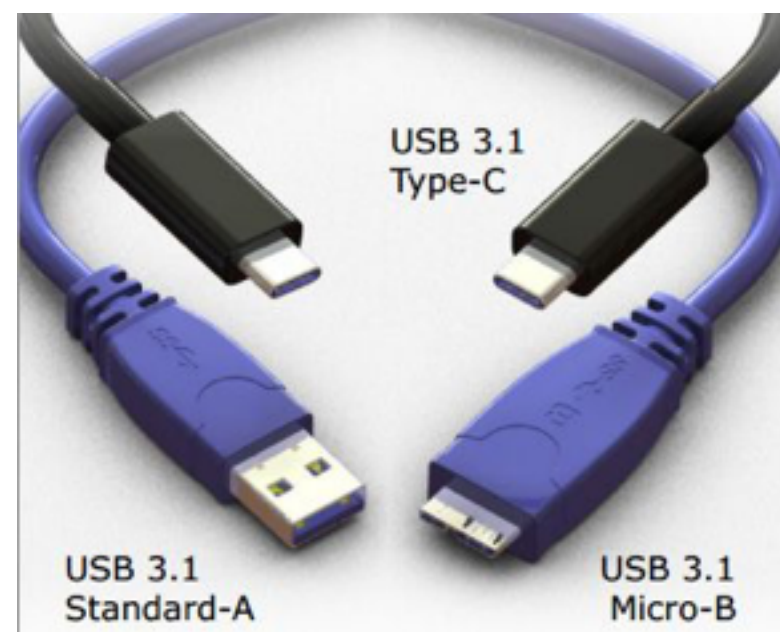


# USB-C



- Apple has eliminated all ports on the MacBook and replaced them with a single USB-C port and an earphone port.
- The USB port is the latest USB standard.
- Why is this potentially a good thing?
  - It's tiny: Small enough to make laptops thinner and work its way into phones and tablets.
  - It's reversible: Like Apple's Lightning plug, there's no top or bottom to USB-C cables or ports.

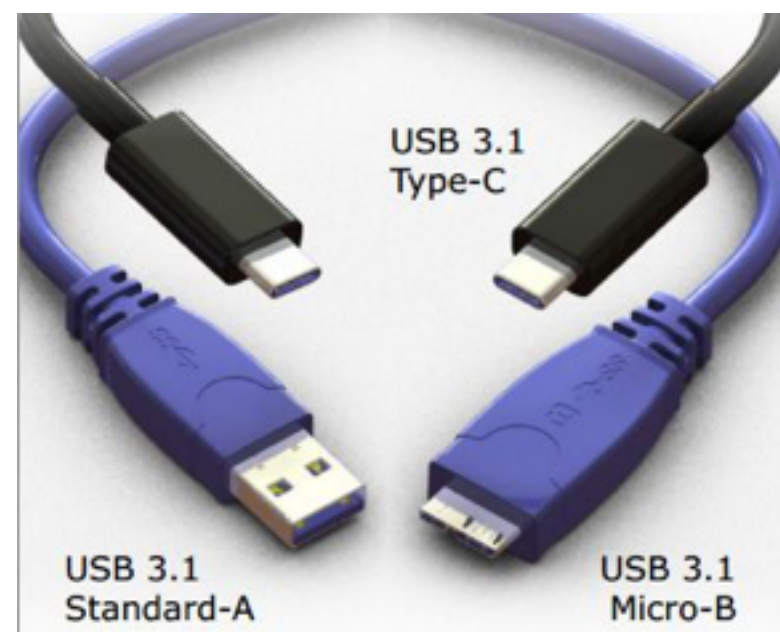




# USB-C



- It's an open industry standard not Apple proprietary: You can expect a lot of third party solutions. (Ex: Google is using it on newest Chromebook.)
- It's faster: It's USB 3.1, so theoretically it could deliver data twice as fast as USB 3.0 cables — a top speed of 10 gigabits per second — although the MacBook's port will start at half that.
- It's more powerful: USB-C delivers extra power, topping out at 100 watts, meaning you could power devices and have enough to run hubs and displays.



# USB-C



- It's bi-directional: Power goes both ways. You can charge other devices by plugging them into your laptop or you can charge your computer by plugging into the wall or another power source.
- It can do video: You won't need specialized video ports like DisplayPort and HDMI (eventually anyway) because Type-C can do that. And in both directions. A single cable could carry video from phone to PC or PC to phone. Or to TVs, tablets, etc.
- Type-C is backwards-compatible. You can use with the old ports that are already all around you (if you get an adapter). And you will need to buy adapters use USB, HDMI, or VGA

# New MacBook Adapters



USB-C  
to  
USB 3.1  
\$20



USB-C  
to  
USB 3.1, HDMI, USB-C  
\$80



USB-C  
to  
USB 3.1, VGA, USB-C  
\$80



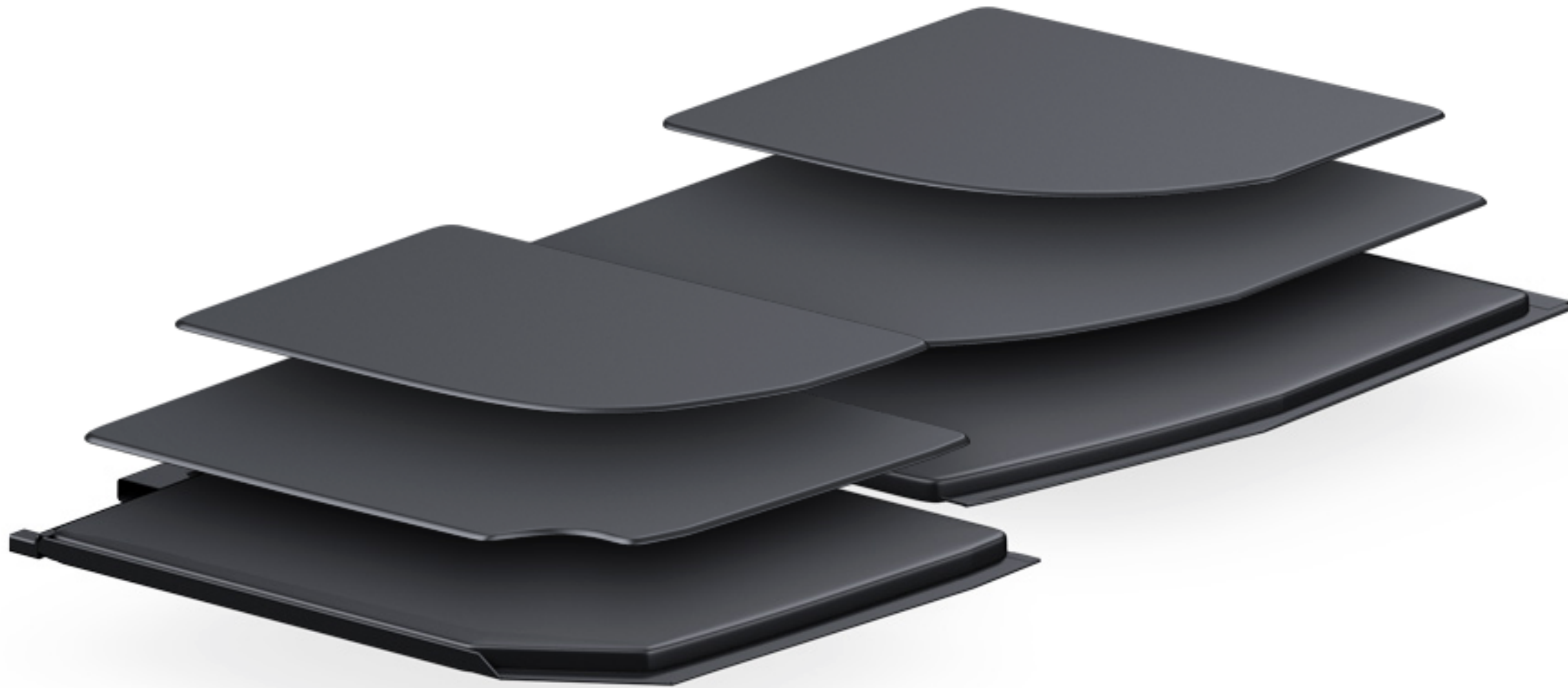


# New MacBook



- It is silent (fan-less) due to an energy efficient Intel Core M processor. This processor is also used in tablets. Performance could be less than the other Mac models. Benchmarks will be interesting.
- It features an all-metal enclosure with antennas integrated right into the enclosure.
- The FaceTime Camera is 480p the only Apple laptop that doesn't have a HD FaceTime Camera.
- This is Apple's only laptop without a glowing Apple Logo or a MagSafe power port (I'll miss this)
- Apple designed new batteries to fit into every available space.

# New MacBook Batteries



Standard Battery

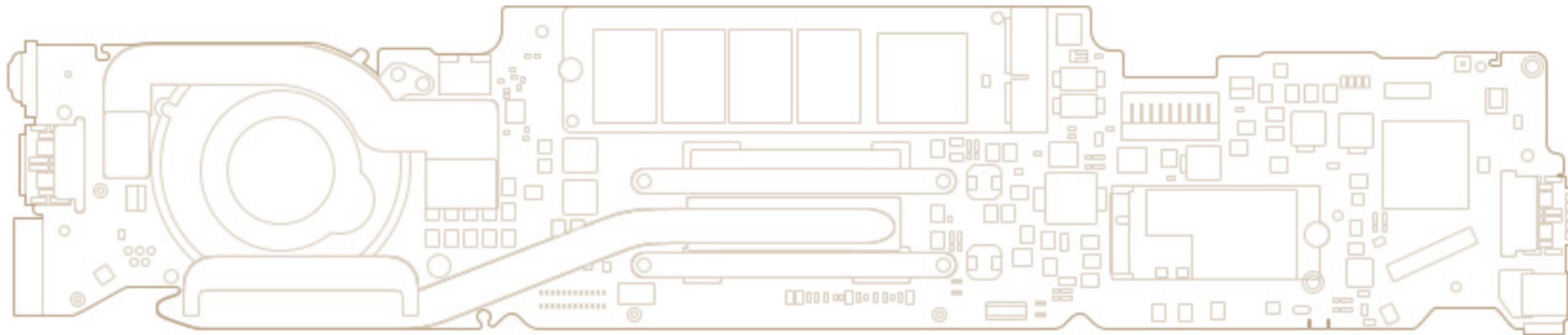


New MacBook Battery  
35% more capacity

# MacBook Logic Board



New MacBook Logic Board



11" MacBook Air Logic Board





# New MacBook Keyboard



- The MacBook has a full-sized keyboard that goes all the way to the edge of the computer. The keys are 17% larger
- The keys on the keyboard feature a new butterfly mechanism which is four times more stable and 40 percent thinner
- The keys are much more precise and accurate, even if you strike them on the side. (I wasn't aware this was a problem. 😊)
- Each key has its own LED for better low light illumination.



# New MacBook TrackPad



- Apple has redesigned the trackpad on the MacBook, incorporating the a Force Touch concept like in the Apple Watch
- The Force Touch trackpad is a glass surface with four pressure-sensitive touch sensors and a new “Force Click” gesture.
- If you Force Click on a phrase, it automatically opens up in Wikipedia. If you Force Click on an address, it automatically opens a map of that location.



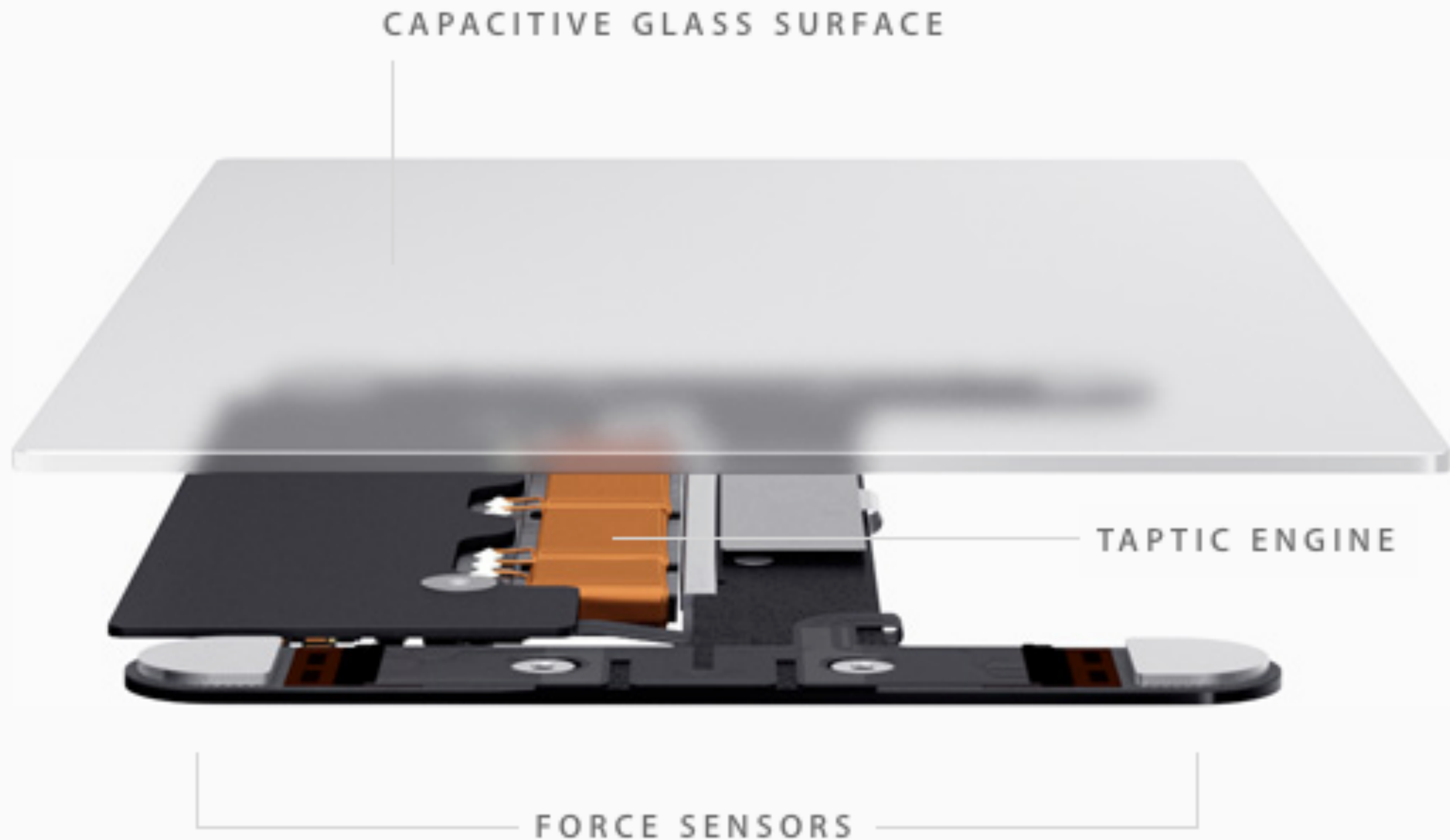
# New MacBook TrackPad



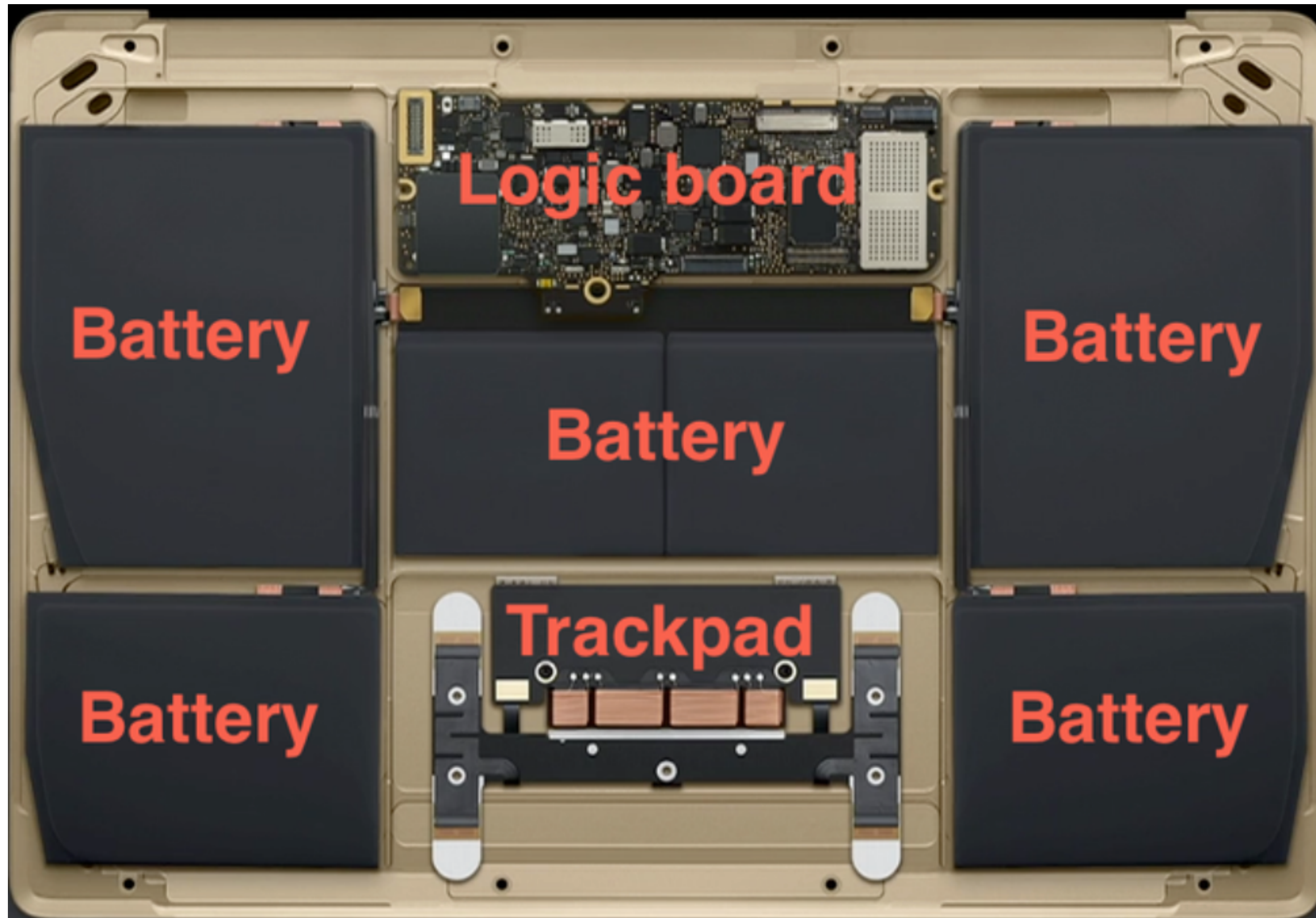
- You can do pressure sensitive drawing. The harder you press the thicker the line
- If you are in Quicktime, the harder you press the fast forward, the faster it will go.
- While the new trackpad doesn't move at all, it has taptic feedback that feels like the click on the current trackpads.
- The trackpad's stiffness is user controlled though software.



# New MacBook TrackPad



# MacBook Internals





# Photos OS X





# Photos for OS X

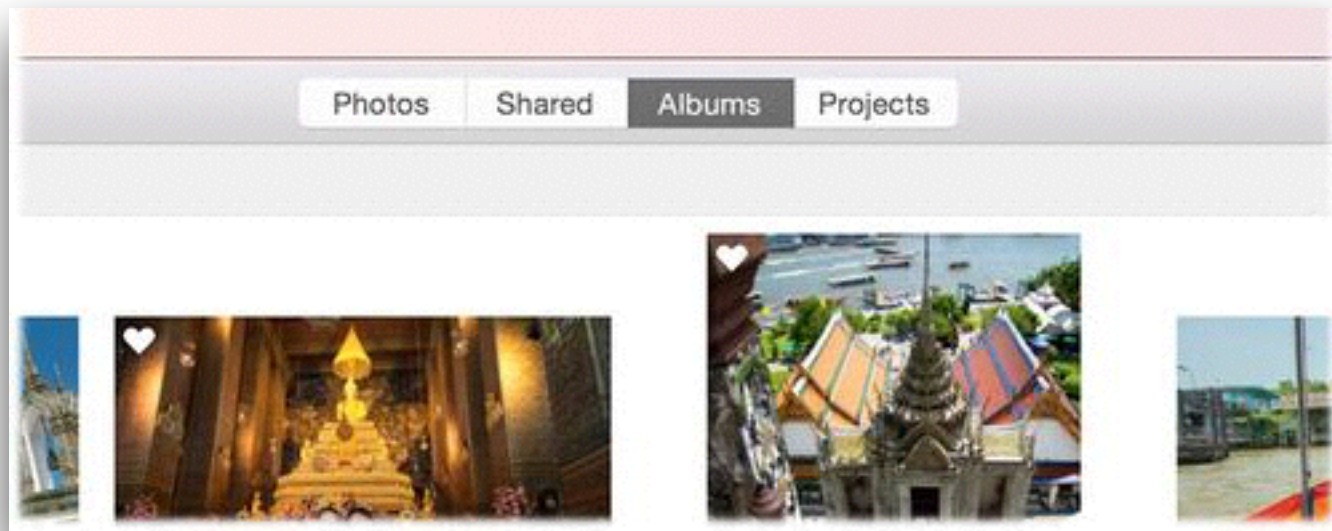


- This spring, Apple will release a new Photos app for the Mac
- If you have iPhoto or Aperture now, they'll remain available to you.
- Apple has stopped making new versions of them, but they'll remain on your Mac and on the Purchased tab in the Mac App Store, so you will be able to download it if you buy a new Mac.
- However, they will not be available for new users. So if you want Aperture in the future, you need to buy it now before it's pulled from the MacApp Store.

# Photos for OS X



- Photos accesses your existing photo library. It doesn't convert the original photos into some new format.
- You'll be able to switch back and forth among the three programs — iPhoto, Aperture, Photos — without having to duplicate any files or use up any more disk space.
- You can run Aperture, iPhoto, and Photos at the same time so you can switch over when you are ready.



# Photos for OS X



- Photos for OS X is meant to look and work like the Photos app on the iPhone and the iPad.
- Across the top of the photos layout, you get the same tabs you'd see on your phone with the same type of content.
- For example, the Photos tab has moments, collections, and years just like in iOS
- Editing is very much like IOS although it's beefed up on the Mac



# iCloud Photo Library



- An optional feature called **iCloud Photo Library** will make your entire photo library show up identically on all your Apple gadgets: Macs, iPhones, and iPads.
- Add or delete photos on one machine, and the same ones appear or disappear on all your others.
- Edit a photo and those same edits propagate across your other electronics.
- Your entire world of photos and videos are identically organized and edited on all your machines.
- However, it requires that your iCloud account has enough room for your entire photo collection and since Apple gives you only 5 gigabytes for free, most people will have to upgrade that storage to make iCloud Photo Library work.

# Photos for OS X



- iPhoto items missing in Photos (Currently)
  - Events
  - Star ratings
  - Flags
- These will become albums (i.e. Flagged, 3 star, etc)

# Photos for OS X



- Photos is in the early stages of Beta testing, and so far the Beta testers have been pretty impressed
- David Pogue “Photos is fast, slick, and very easy to learn and navigate”
- Here’s more from David Pogue.



# My Apple Experiences







# Upgrading Mac Laptop



- I was running out of disk space on my MacBook Pro (2009) and it was feeling very sluggish and took forever to boot.
- So I've been considering replacing it with a new model, but I would like 1TB of disk space and 16GB memory. I could get this, but the price was higher than I wanted to pay at this point (\$2500).
- Delaying the purchase seemed like a good idea, as I know that SSD prices are coming down dramatically.
- So I looked at options for upgrading my current machine

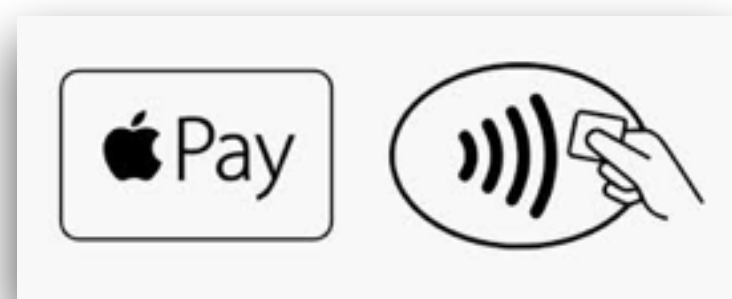


# Upgrading Mac Laptop



- I contacted the Mac Shop at Trolley Square
- After reviewing the options, I decided to upgrade my memory from 4GB to 8 GB (Maximum supported)
- I also upgraded my 250GB hard drive to a 500GB Solid State Drive (SSD)
- Result: Amazing improvement! Feels like a new machine.
- While it is not as fast as a new Apple laptop, there was a dramatic improvement and will allow me to delay a new purchase
- Total Cost: \$604
- Note: I would not buy a new Mac with less than 8 GB today

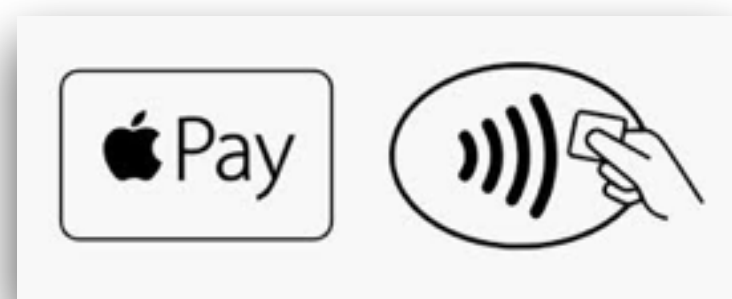




# Experience w/ Apple Pay



- I wanted to try Apple Pay due to the ease of use and security
- An iPhone 6 or 6+ is required to use Apple Pay in a retail store
- I tried to add my current credit cards but found they did not support Apple Pay, so I had to get a new card from M&T
- The card was very easy to add in settings/Passbook & Apple Pay
- We found most retail places still do not support Apple Pay today



# Experience w/ Apple Pay



- We have seen local readers in Staples, Acme, Apple, Macy's & Walgreens
- I used Apple Pay at Staples and Acme
- It was extremely easy to use and very quick
- It's new to some of the sales people at this point
- When paying, there's no need to even wake your iPhone . Just hold your iPhone near the reader with your finger on the Touch ID.
- If you go to the Passbook app, you can see the last transaction

# Apple Pay Stores

AÉROPOSTALE



BABIES'R'US

jetBlue



kids Foot Locker

Lady Foot Locker

Bashas'

BILO



bloomingdales



Lucky

★macy's



Coca-Cola vending

dan's Fresh Market

maceys

meijer

OfficeMax



DICK'S FRESH MARKET



DUANEreade



Office DEPOT



petco

FOODMAX SUPERMARKETS



FOOTACTION



RUN by foot locker

SAVE MART SUPERMARKETS



HOUSE OF HOOPS by Foot Locker



SEPHORA

shaws

SIX:02

SPORTS AUTHORITY



# Apple Pay Stores



Coming soon.



ANTHROPOLOGIE

FREE People



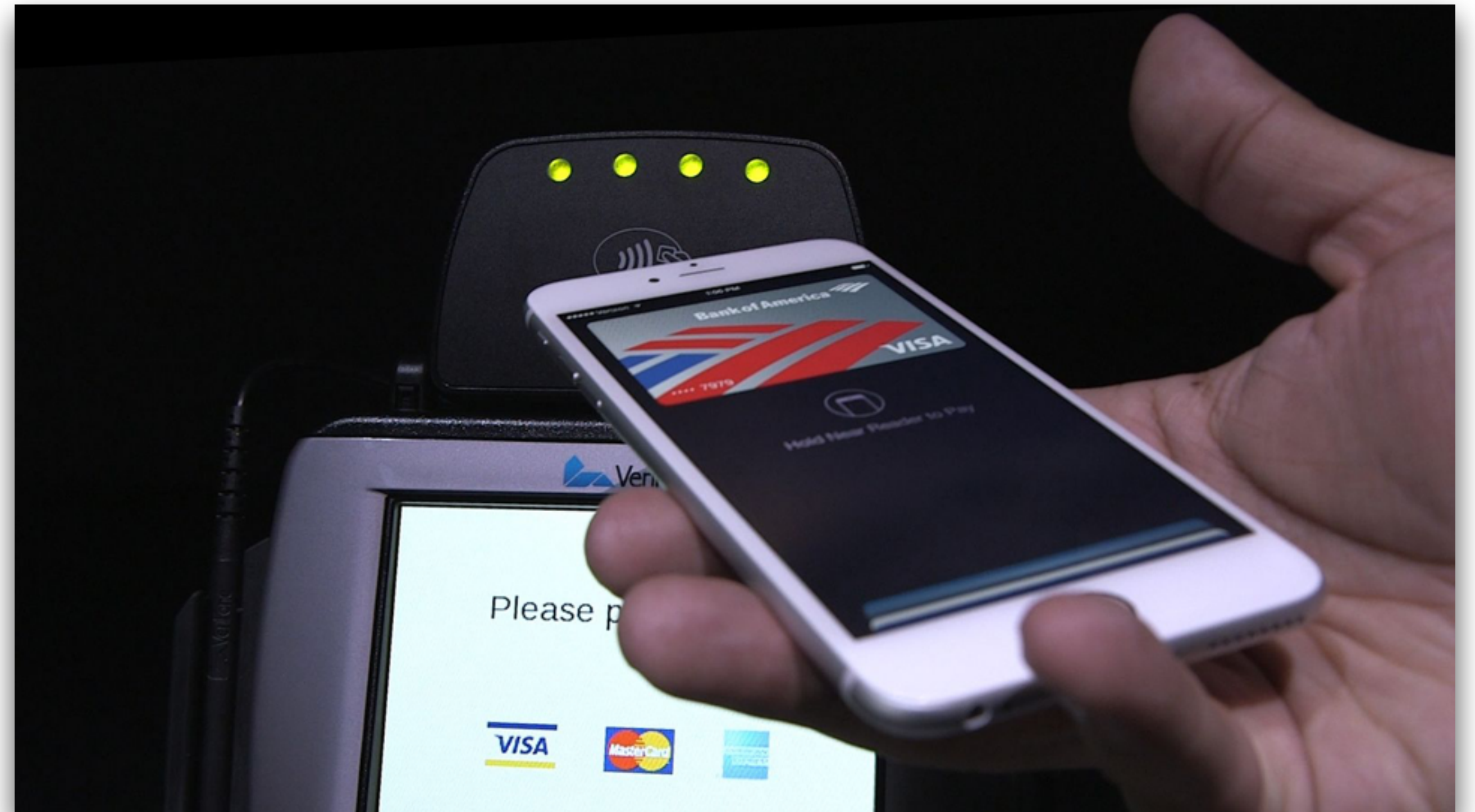
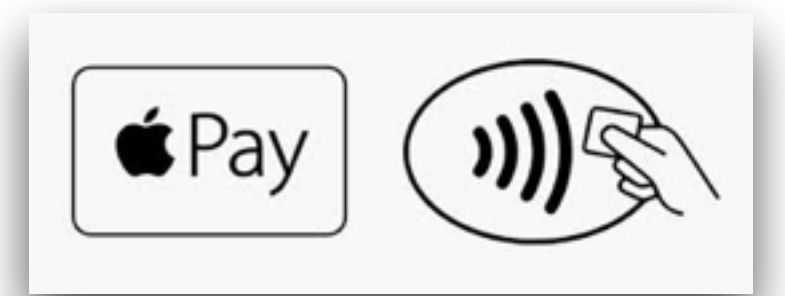
L.L.Bean

URBAN OUTFITTERS





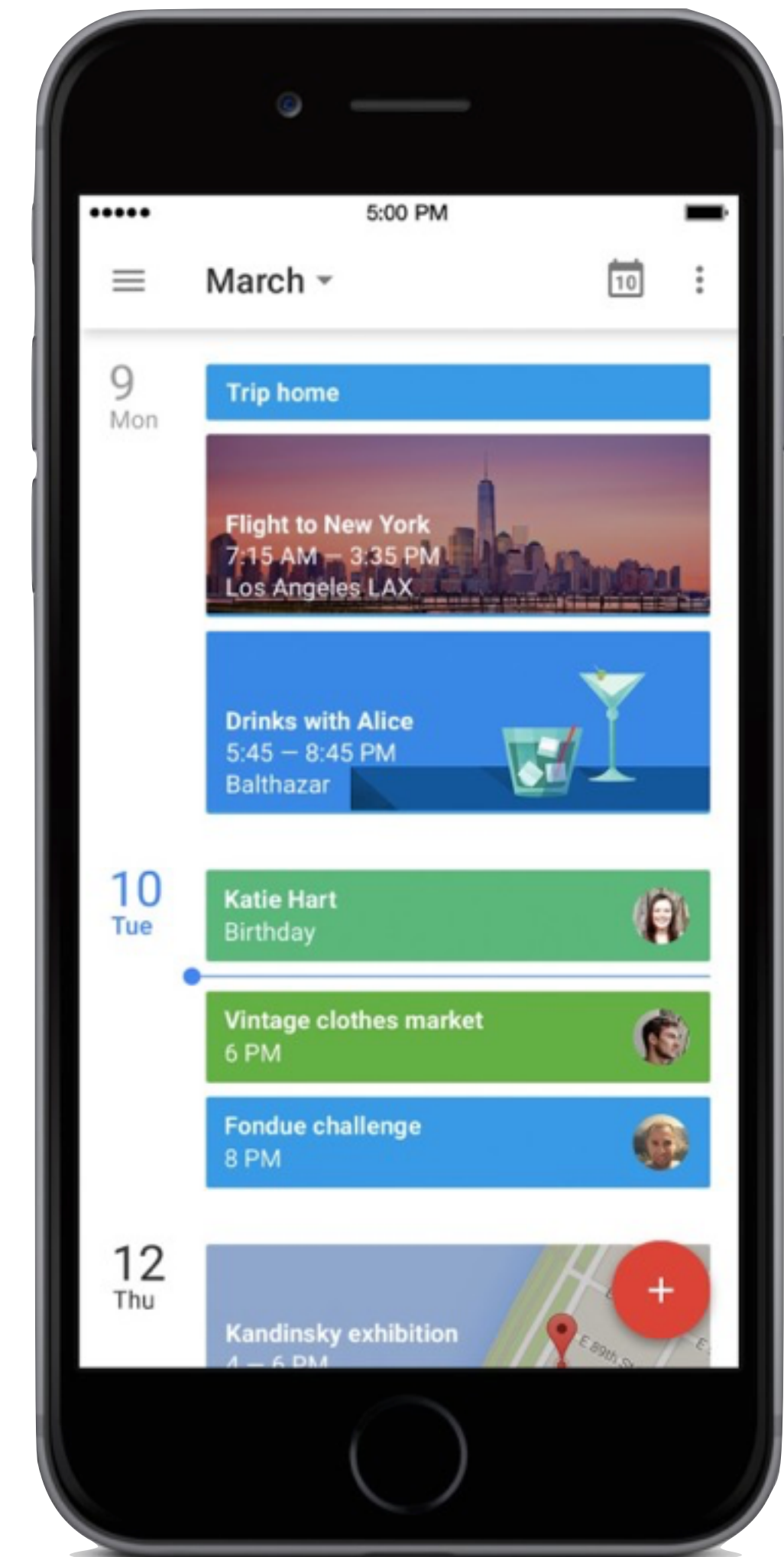
# Apple Pay Reader





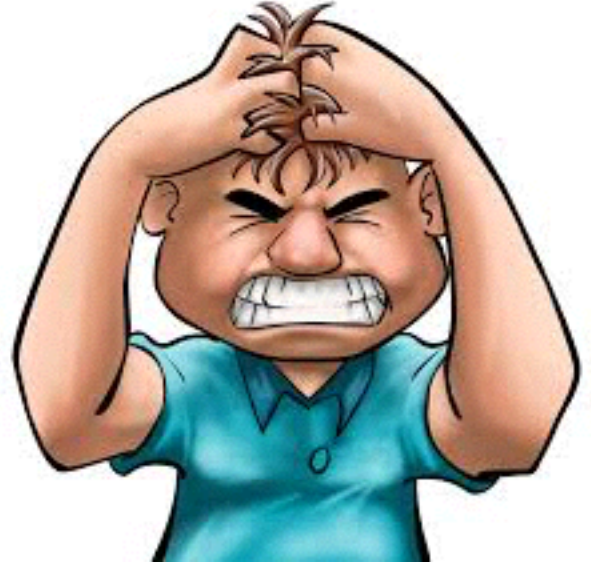
# Google Calendar App

- If you use Google Calendar, the new Google Calendar App is pretty attractive
- Has three views: day, 3 day, and agenda (shown)
- It apparently takes key words and uses them to dress up on your event (see drinks in example)
- You can use both the Apple calendar and the Google Calendar. You don't need to choose.





# When Things Go Wrong (iOS)



- Recently my iPad screen just went black.
- What do you do if your iOS device or an app freezes or acts up in some way?
- Here are some easy steps that so far have fixed every problem that I've had.
- These steps are in order from least impact to most impact.
- Step 1: Close the current app by hitting the home button and restart it.



# When Things Go Wrong (iOS)

- Step 2: Force Quit the App

## HOW TO FORCE-QUIT AN APP ON YOUR IPHONE OR IPAD

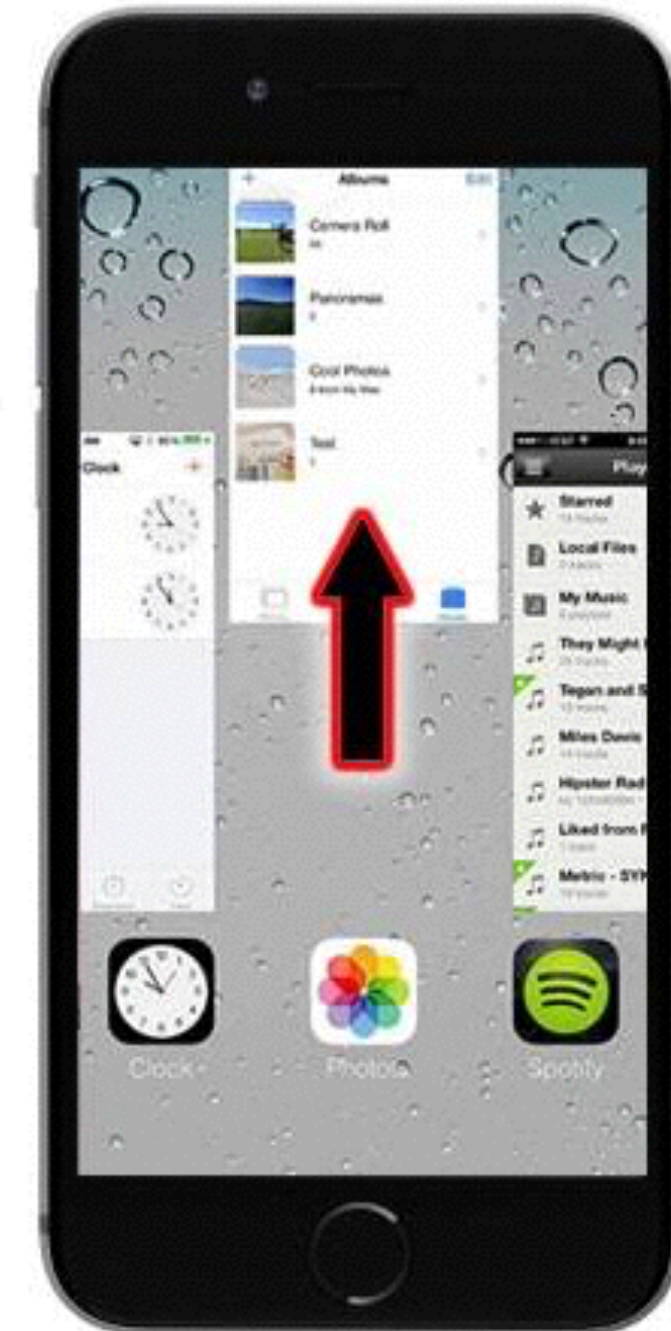
**1**  
Press  
the  
Home  
button  
at the  
bottom  
of your  
device  
twice.



**2**  
Then,  
swipe  
left or  
right to  
get to  
the app  
you wish  
to quit.



**3**  
Next,  
tap the  
center  
of the  
screen  
and  
swipe  
up.





# When Things Go Wrong (iOS)



- Step 3: Reboot your device
- Method 1: Hold down the sleep button until you see “Slide to Power off” and slide to the right.
- Method 2: Hold down the sleep button and the home button at the same time until you see the Apple icon appear



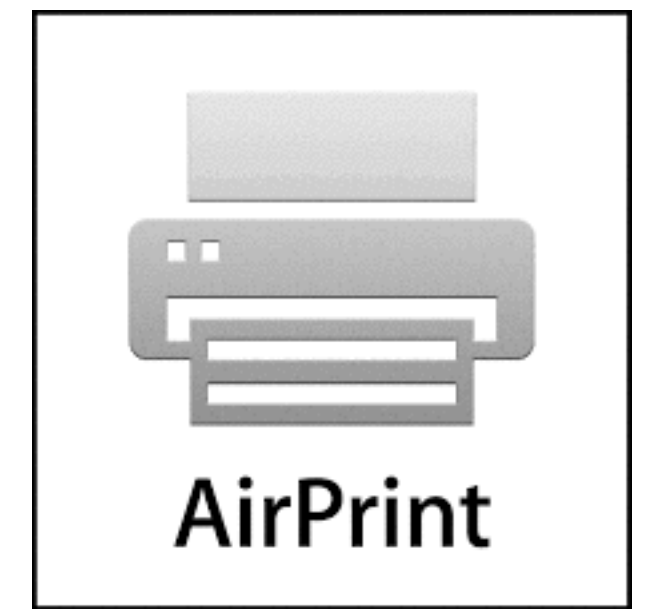


# When Things Go Wrong (iOS)

- Step 4: If you are still having problems with a badly behaving app, delete and reinstall it.
- Delete it by touching and holding your finger on the app until it begins to wiggle.
- Touch the “X” in the upper left corner to delete it.
- A pop-up message will ask if you are sure you want to delete the app. Touch yes.
- Touch your home button to stop the wiggling apps.
- Reinstall the app from the app store



# AirPrint



- I like network printers (vs. USB) because I have several devices and I want to be able to print from any device from any place.
- Network printers allow you to do this but can be a pain to set up, although it's getting easier each year
- Most new network printers also have a feature called AirPrint, which allows you to print from an iOS device. None of my current printers had this feature.
- So I recently bought an inexpensive HP printer with AirPrint and put it on the main floor of my house for easy access.





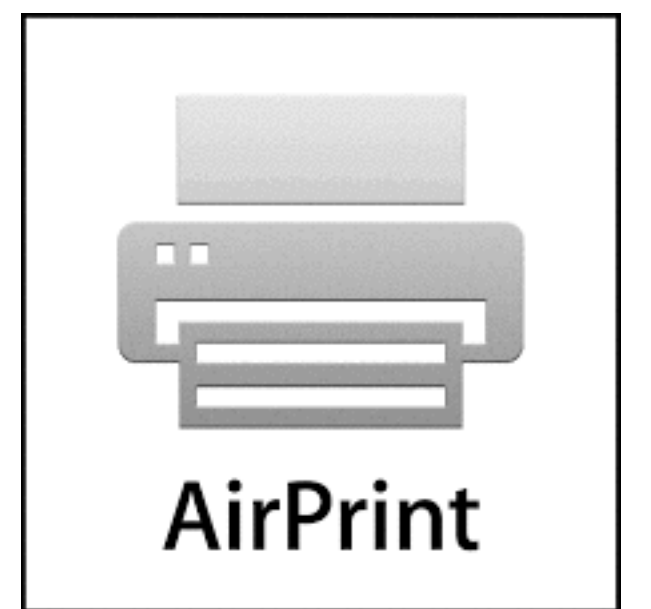
# AirPrint



- The printer was an HP Envy 4500. It was attractive enough to put in our living area and it was on sale for \$77.
- It was easy to add to the network. Just go to network settings and select the right network and then type in your network password.
- No set up at all was required on the iPhone or iPads
- Within an app, just find the share button and tap it and select print

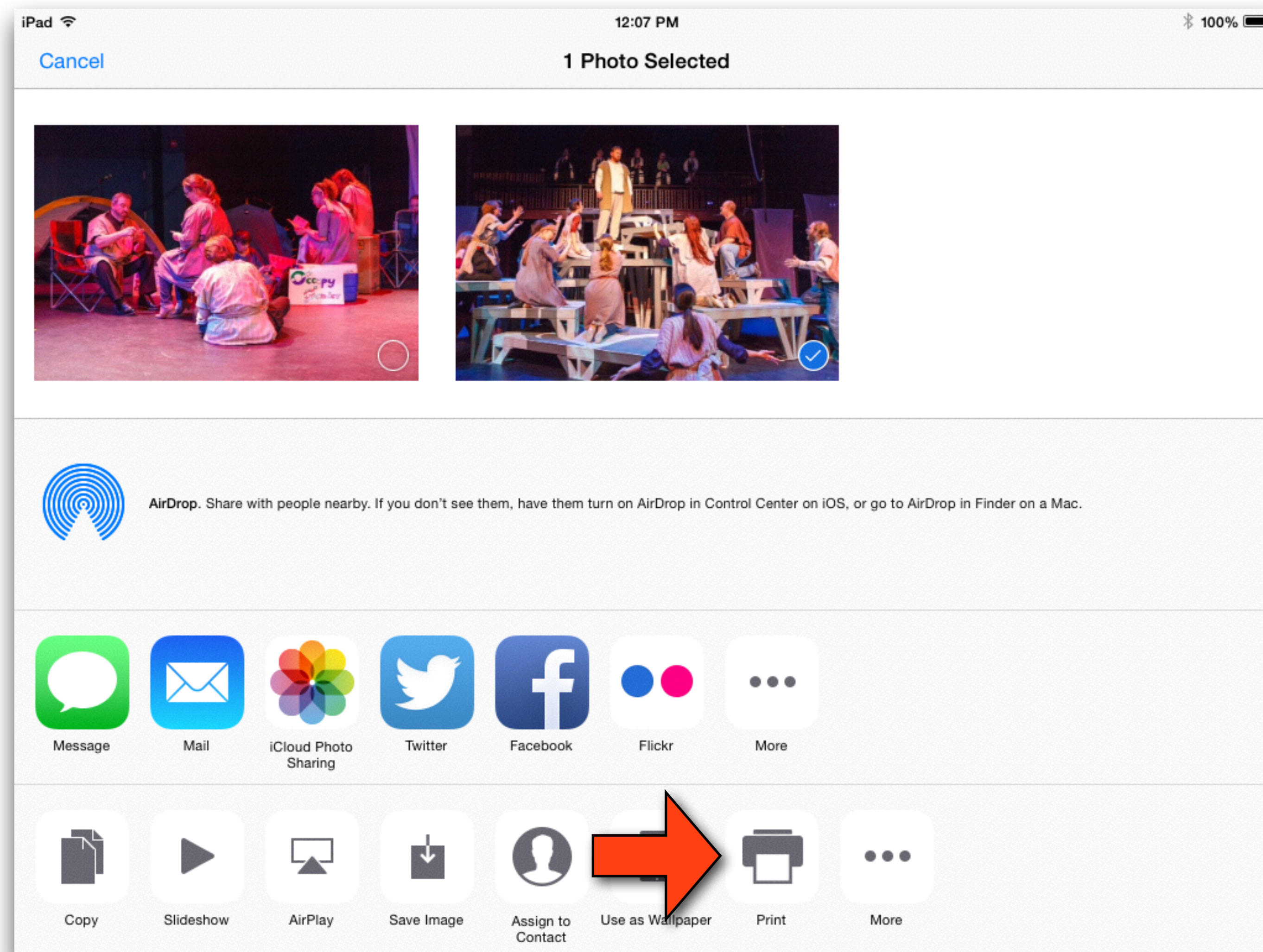


# Using AirPrint



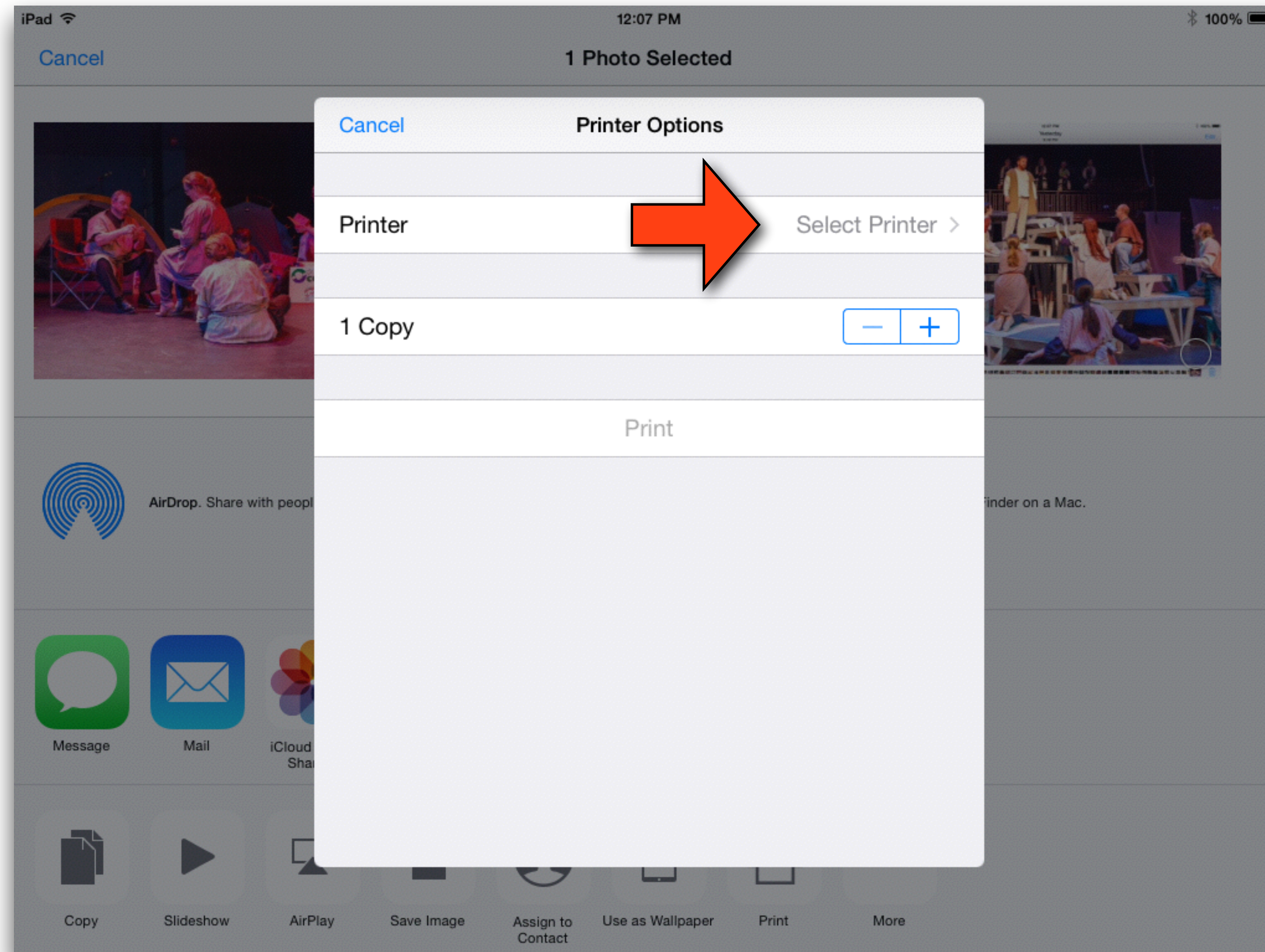


# Using AirPrint



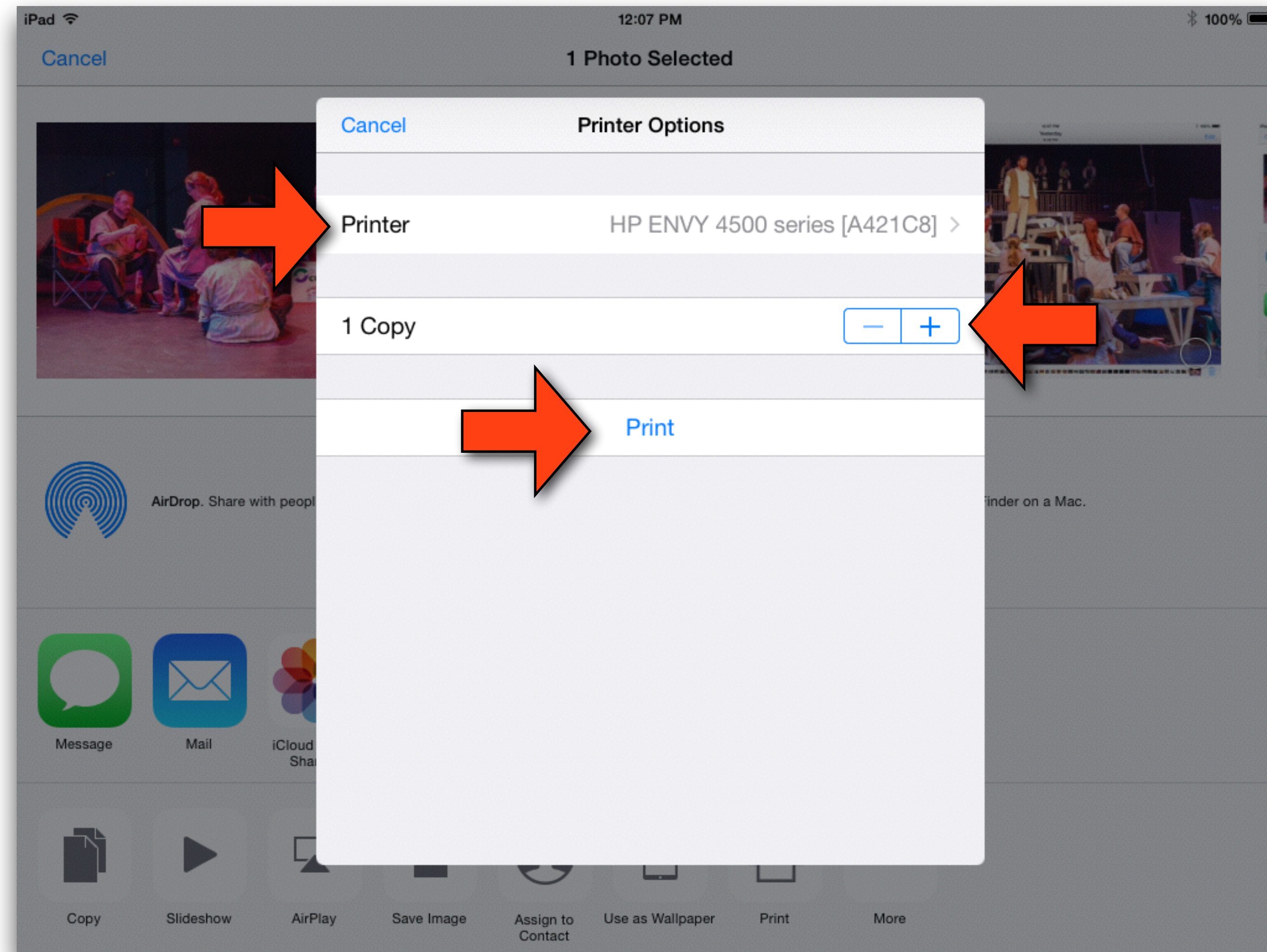


# Using AirPrint

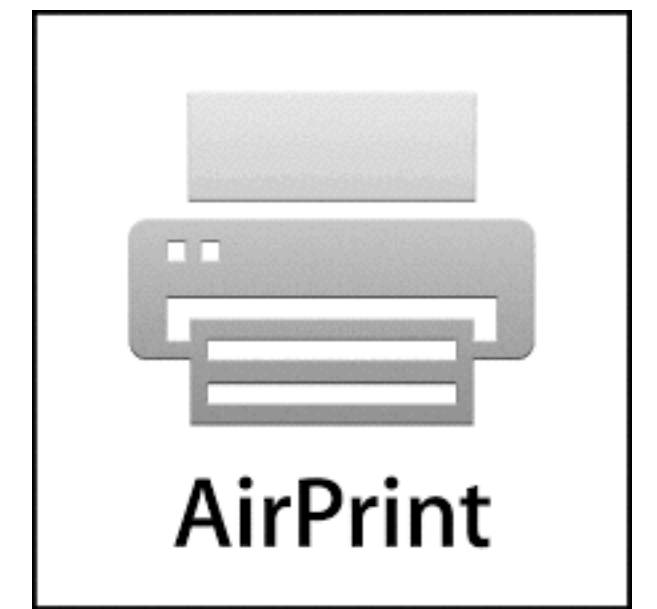




# Using AirPrint



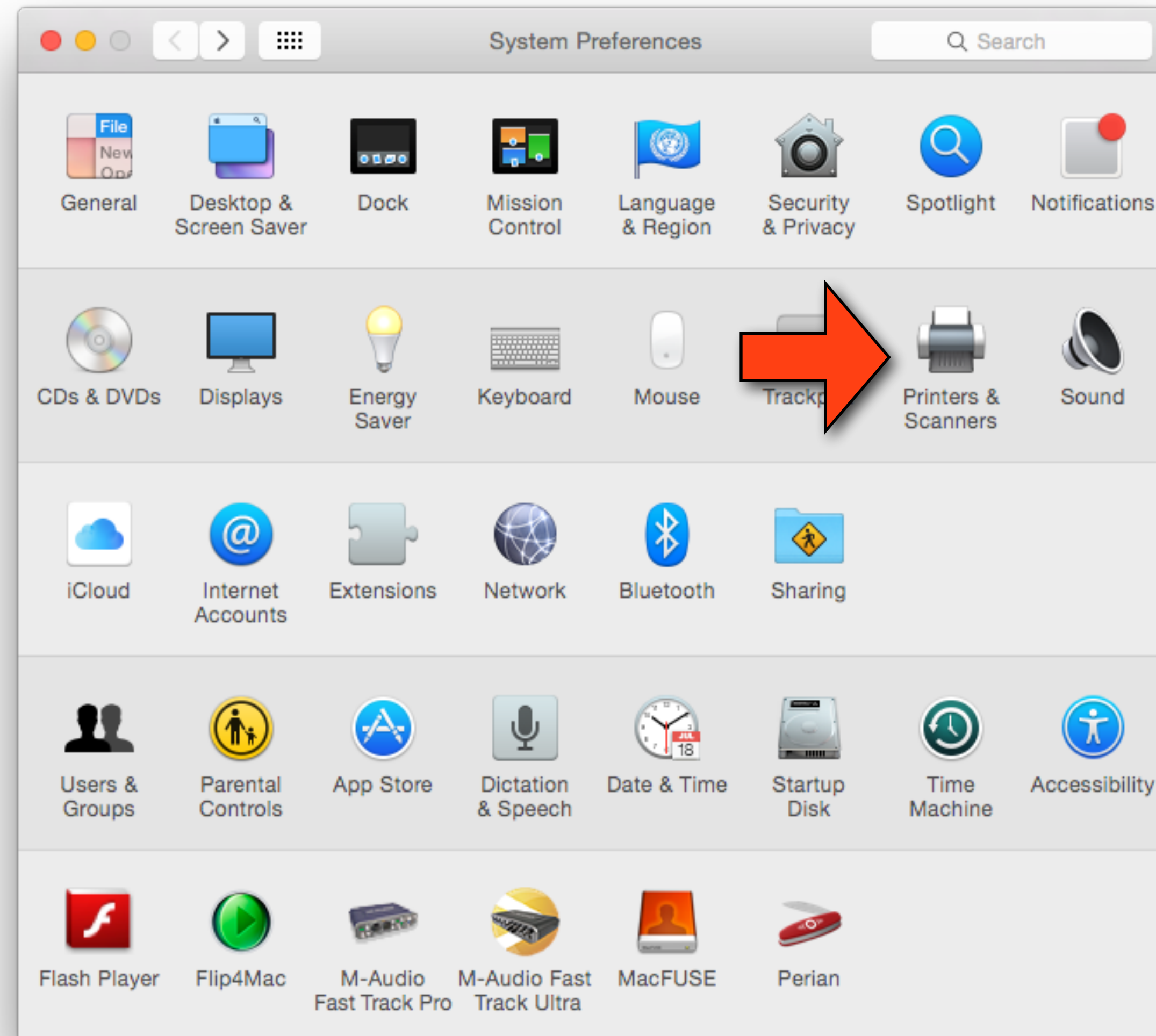
# AirPrint on a Mac



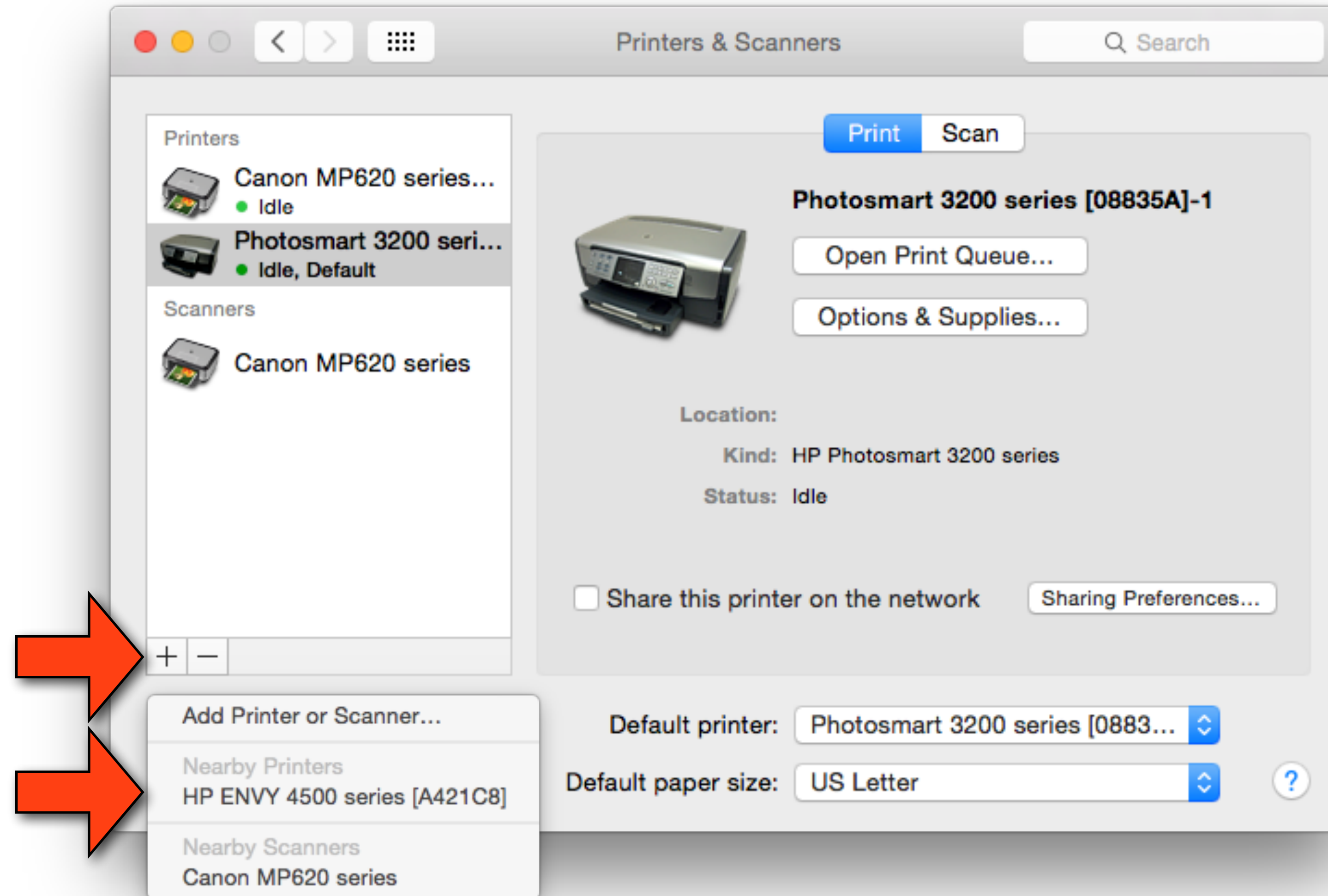
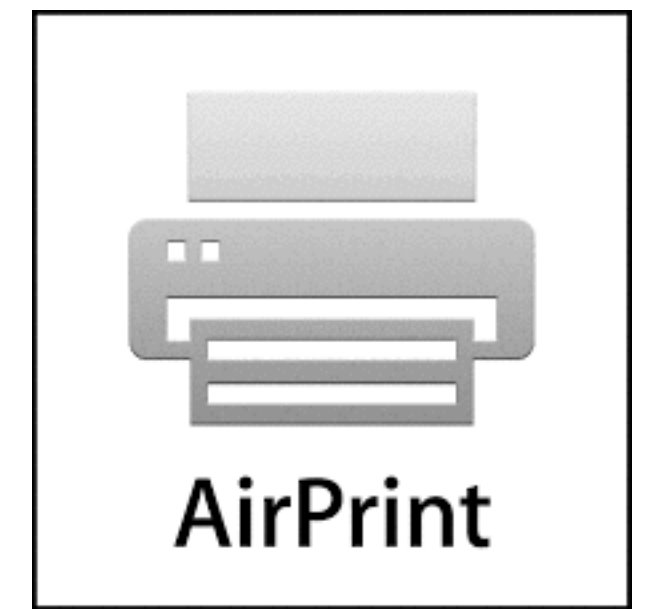
- What I did not realize with an AirPrint printer was how easy it was to set up the printer on a Mac.
- I didn't have to use any HP software, install any print drivers, or have to mess with the printer IP address.
- I did have to go thru the normal procedures on a Windows 7 machine including installing drivers.



# AirPrint on a Mac

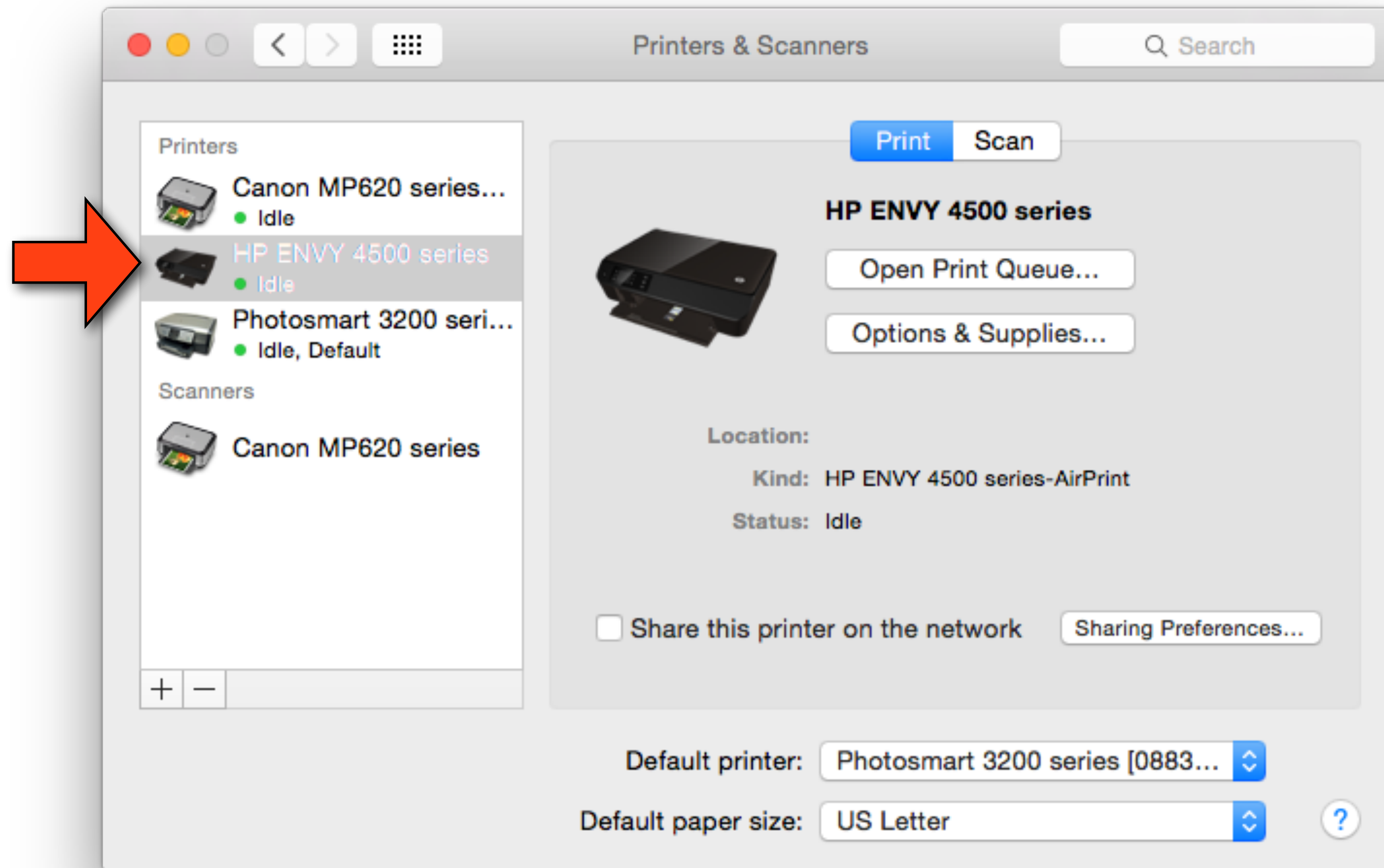


# AirPrint on a Mac





# AirPrint on a Mac





# Your Questions





# Question

- Doug when I go into face time (it is the first time I used it) I do not get full screen. How do I open the screen all the way so I can see the whole picture.
- To get full screen on FaceTime you must be in landscape and your recipient must also be in landscape.
- This all happens automatically





# Question

- Q: I haven't downloaded the new Yosemite yet due to the reviews I've seen on the Apple site. Perhaps you could address the pros and cons of this latest system upgrade and the minimum memory and storage you would recommend before starting the download.
- System Requirements:
  - Currently running OS X Mavericks, Mountain Lion, Lion, or Snow Leopard v10.6.8
  - 2 GB or more of memory
  - 8 GB or more of available disk space





# Upgrades



- In the past (Windows), I bought a computer and never upgraded it. When I wanted to go to a new OS, I would wait until I needed a new computer.
- Why?
  - OS upgrades were expensive (over \$100)
  - OS upgrades were hard to do and high risk. Software and existing devices might be incompatible
  - Just not worth the headaches.



# Apple Upgrades



- Now Apple upgrades are yearly, free, and relatively low risk
- I currently upgrade the day the upgrade is available for both iOS and OS X. I have yet to regret doing this.
- If you are more risk-adverse, wait a couple of months or until the next point release (10.10.1). By that time, any big bugs are likely to be fixed and if there are any issues, you'll know about them.
- If you get 2 or more releases behind, it can become a higher risk and more difficult to upgrade or migrate
- Either upgrade within 6-9 months of a release or follow my old Windows strategy (Note: The further behind you get, the greater the risk that you might have migrating any data or apps)





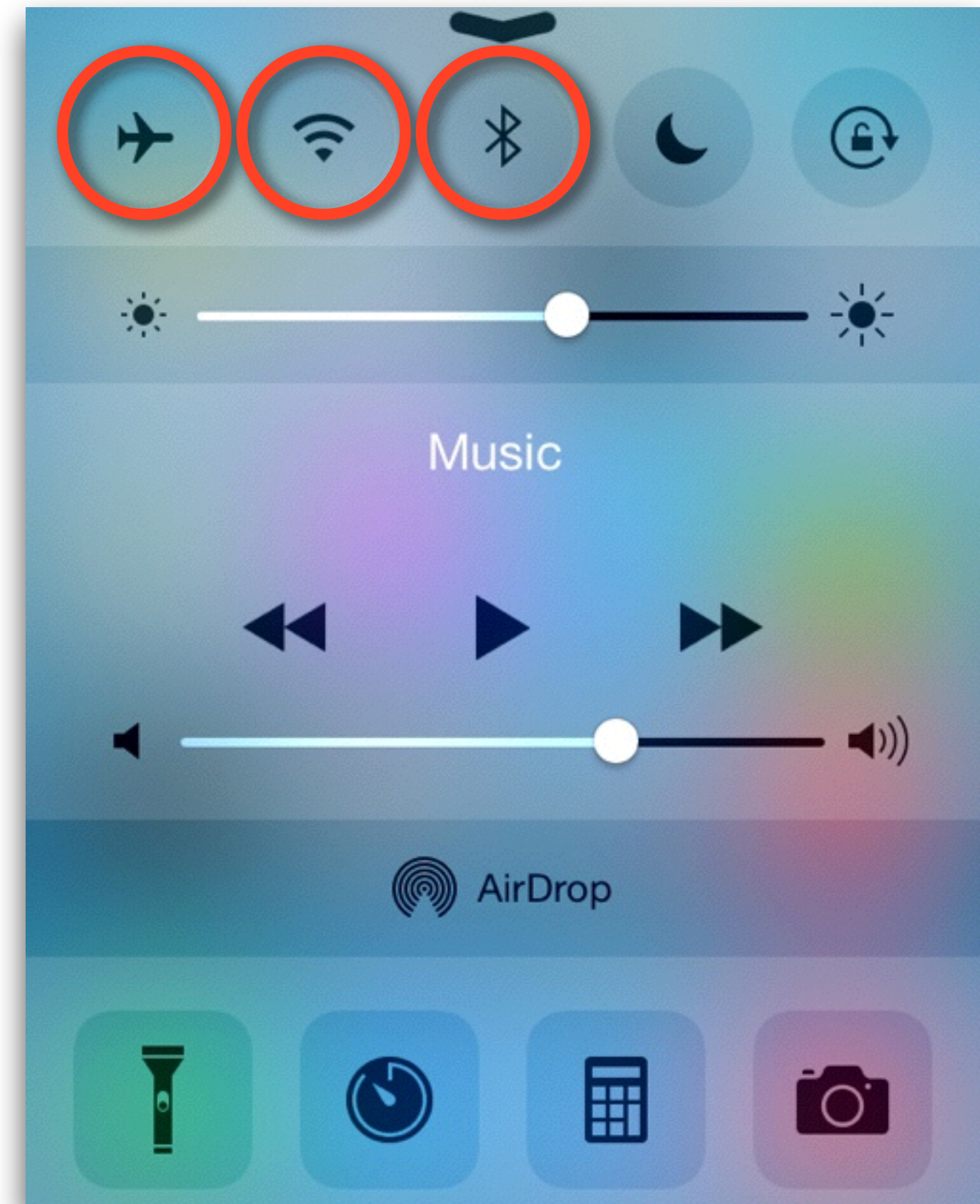
# Question

- Q: Talk about the importance of keeping iPhone on airplane mode when out of country to avoid roaming charges that are very high.
- Airplane Mode: Turns off cellular (voice and data), Wi-Fi, Bluetooth, and GPS. It was intended for use in airplanes. (You could also just power down the iPhone.)
- Note: Once Airplane mode is on, you have the ability to turn Wi-Fi and/or Bluetooth back on, leaving cellular (voice and data) off.
- Check with your carrier before going abroad to get facts, prices, and options.

# Airplane Mode



- To enable Airplane Mode:
  - Flick up from the bottom on your iPhone to get to the Control Center
  - Tap Airplane icon
  - Then tap Wi-Fi icon to turn on Wi-Fi
  - Bluetooth can also be turned on







# Question

- Q1: Can you review taking and storing pictures with an iPhone? Please include syncing with my iMac, how to delete a photo from phone & i mac. My iPhone 5 IS my camera!
- Q2: how to transfer photos from Apple iPhone to iPad.

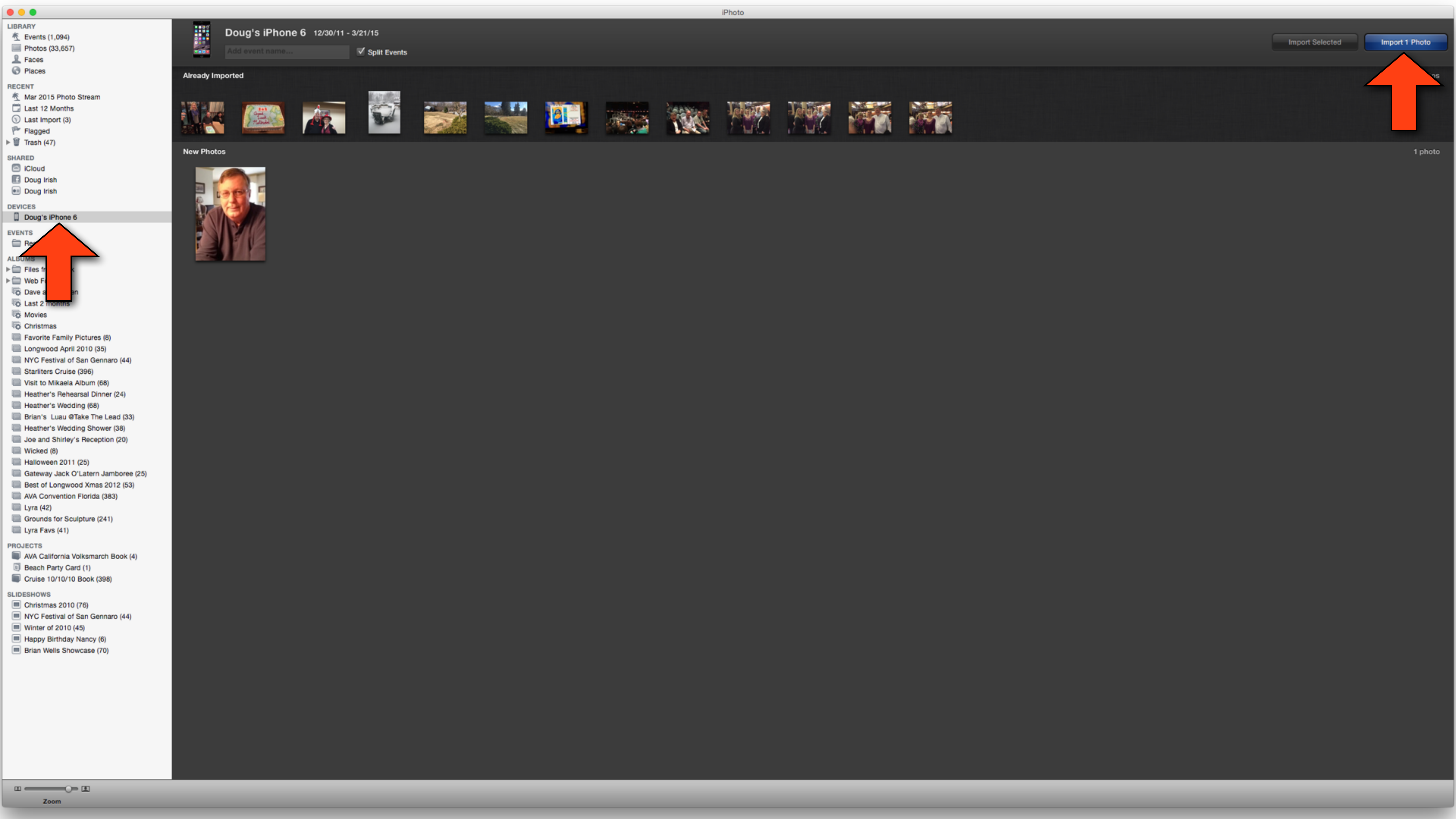


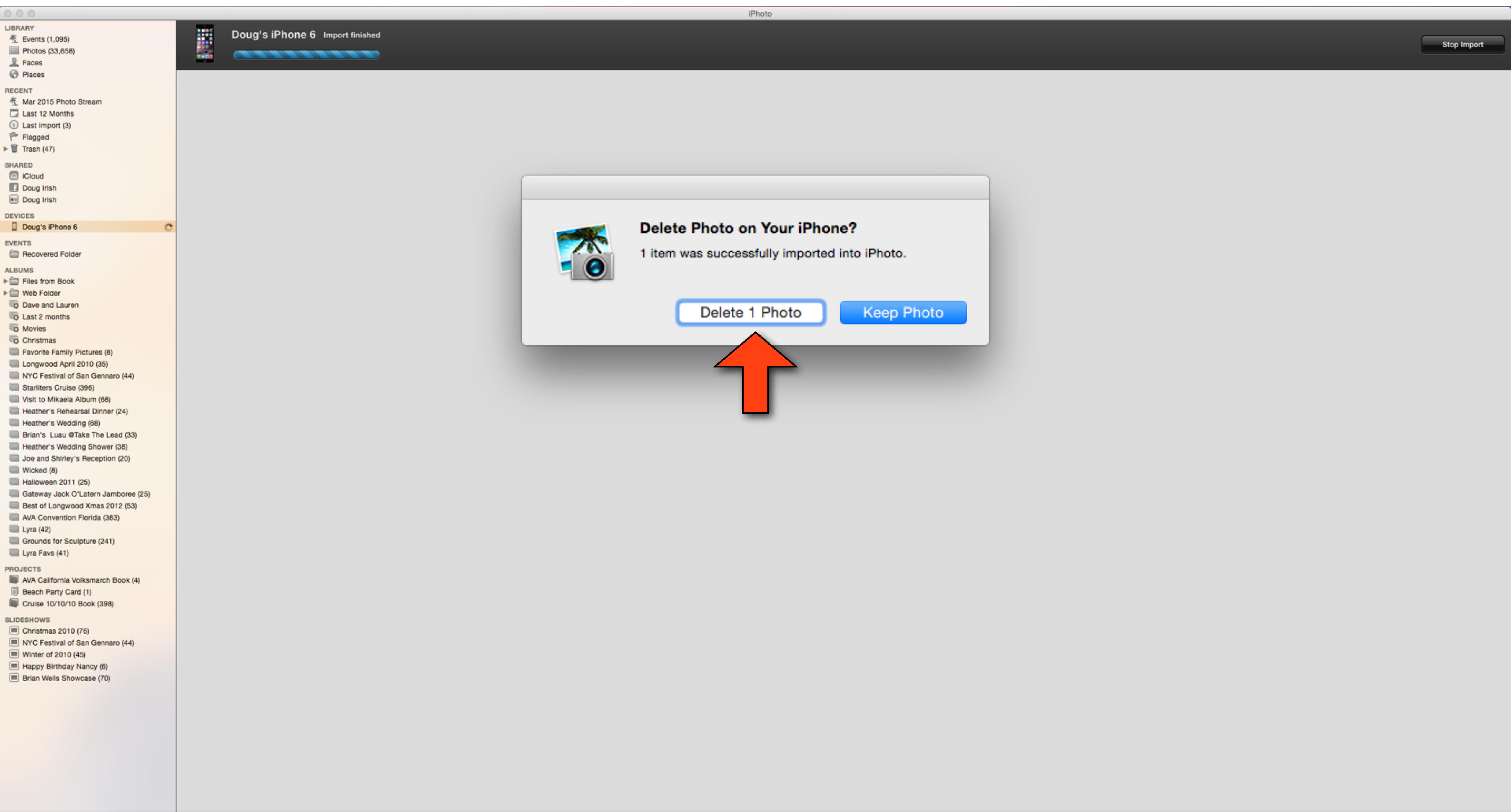
# Transfer Photos from iPhone to a Mac



- Transfer Photos to your Mac by plugging your iDevice into your Mac.
- iPhoto will come up automatically and ask if you want to transfer all or some of your photos to iPhoto
- When the transfer is complete, it will ask if you wish to delete the photos from your iPhone.







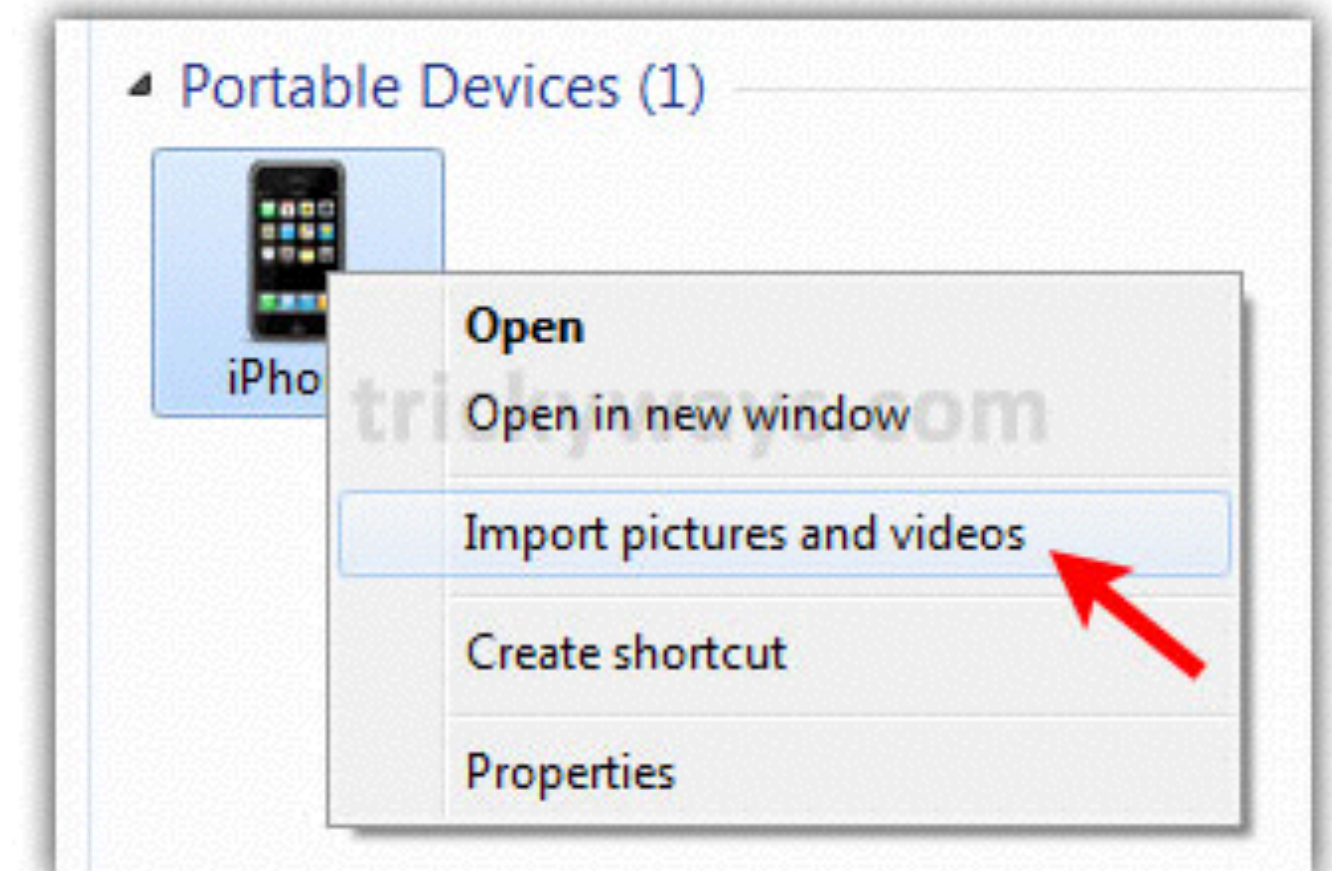




# Transfer Photos from iPhone to Windows 7 PC



- Connect your iPhone to Computer using data cable that comes with your iPhone. Make sure your iPhone is on and unlocked
- The first time you'll need to allow the PC to download the appropriate drivers
- Click on Start button > Computer
- Right click on your iPhone icon (in the Portable Devices section), and click Import pictures and videos option

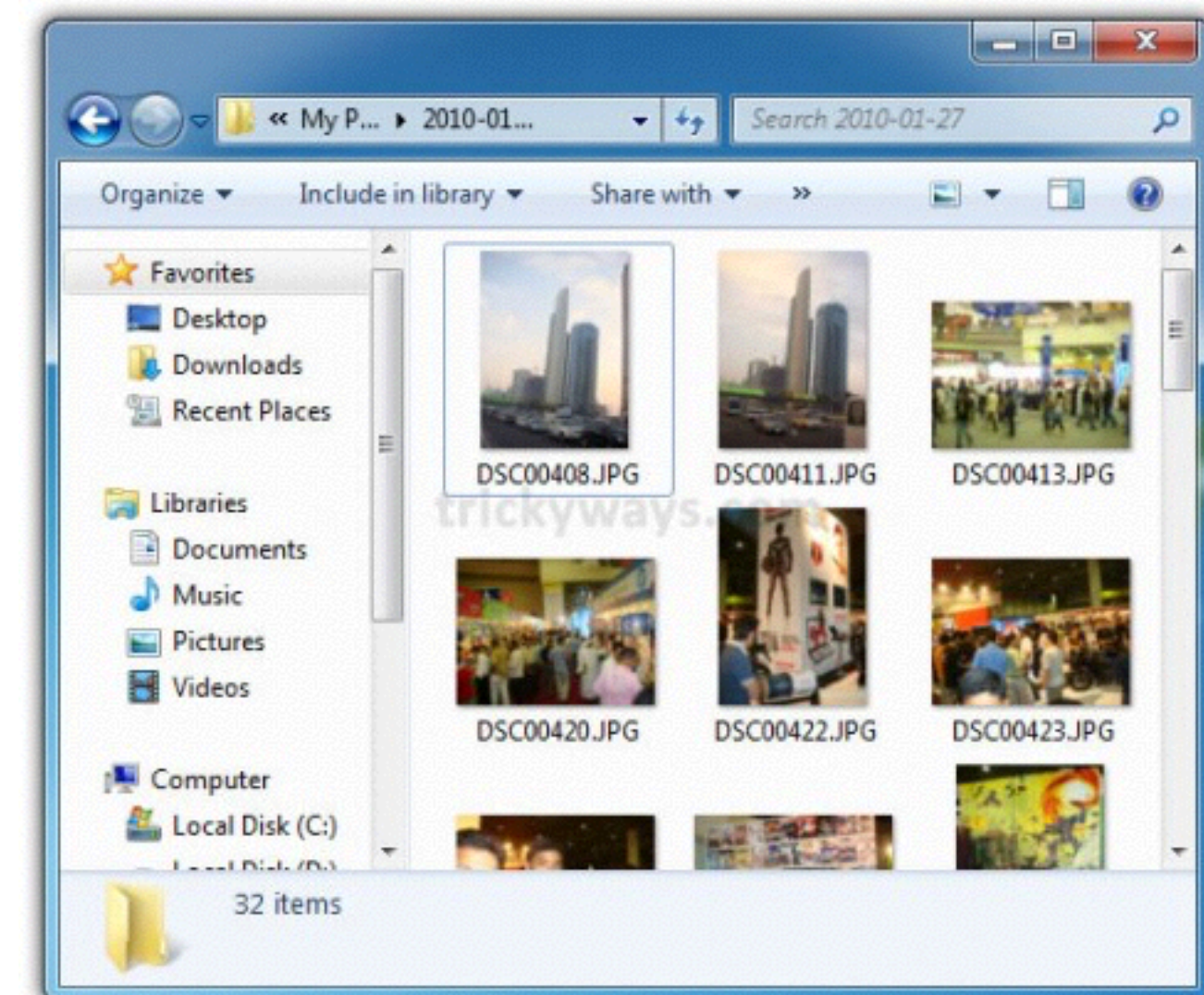
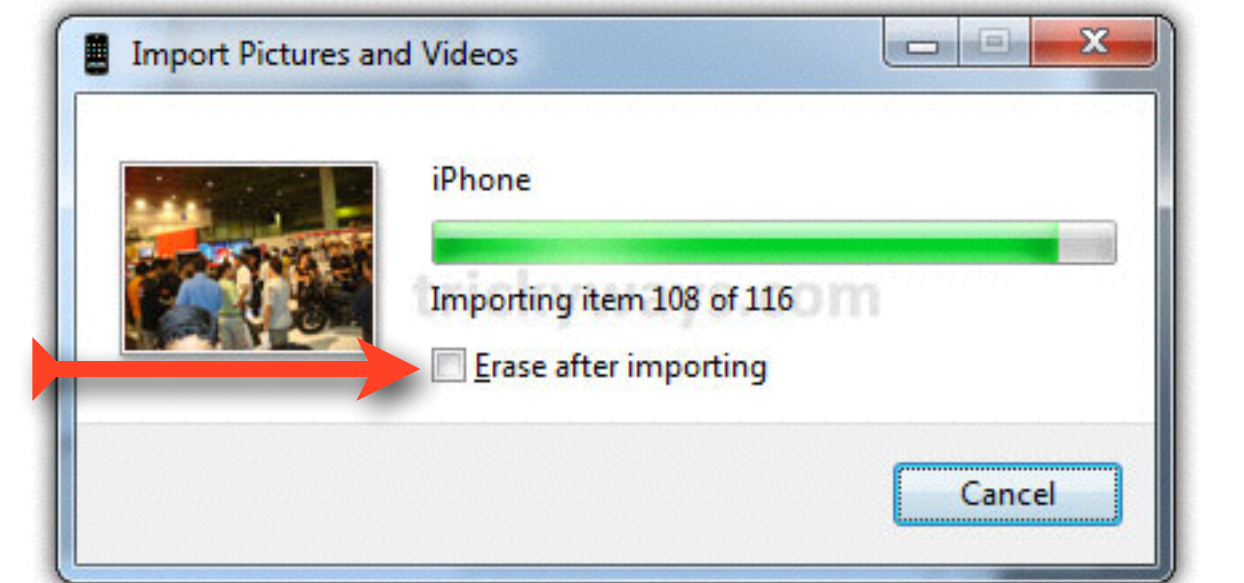
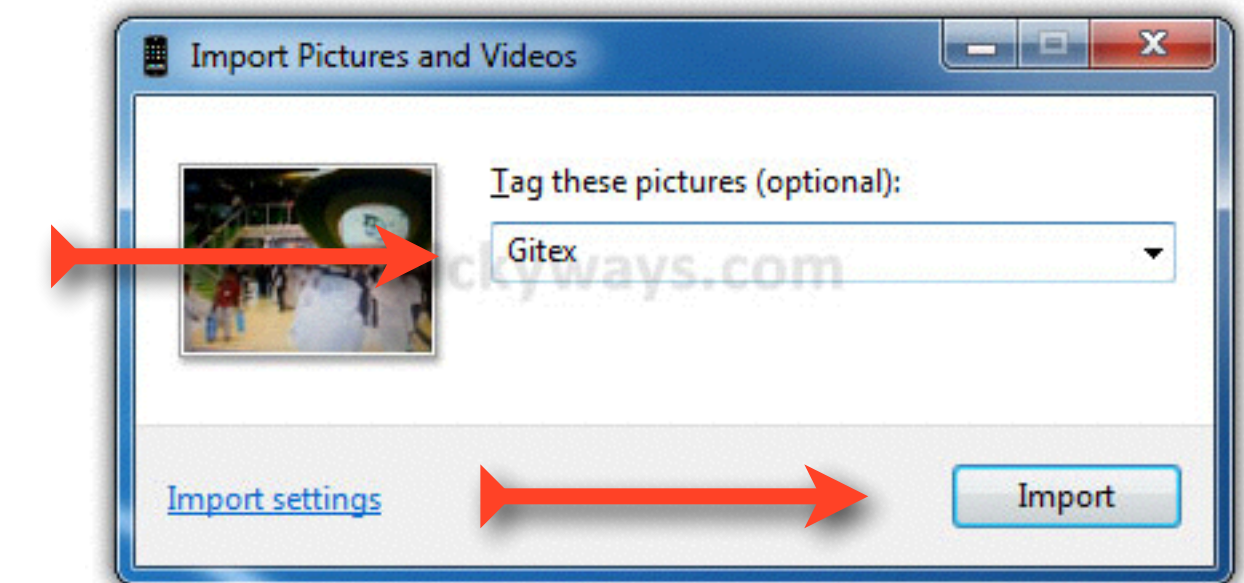






# Downloading iPhone pictures

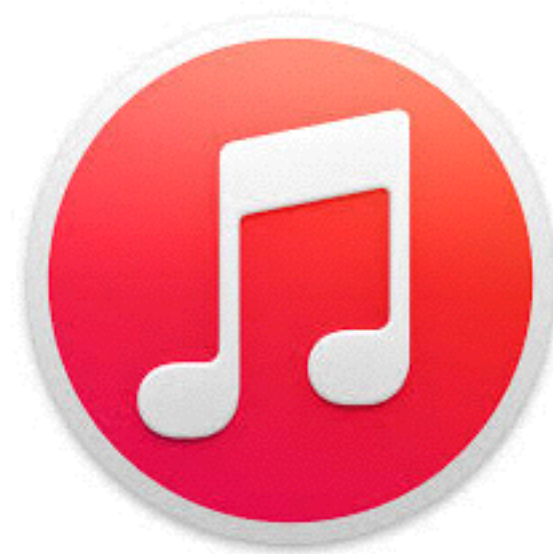
- Enter tag name to tag these pictures (optional) and click Import button.
  - This will start importing pictures from iPhone to computer.
  - You can check the “Erase after importing” check box if you don’t need picture in your iPhone after importing in your computer
- Finally you can see pictures are transferred to My Pictures to a folder called “Date - Tag” for example “2014-11-10 Gitex”.

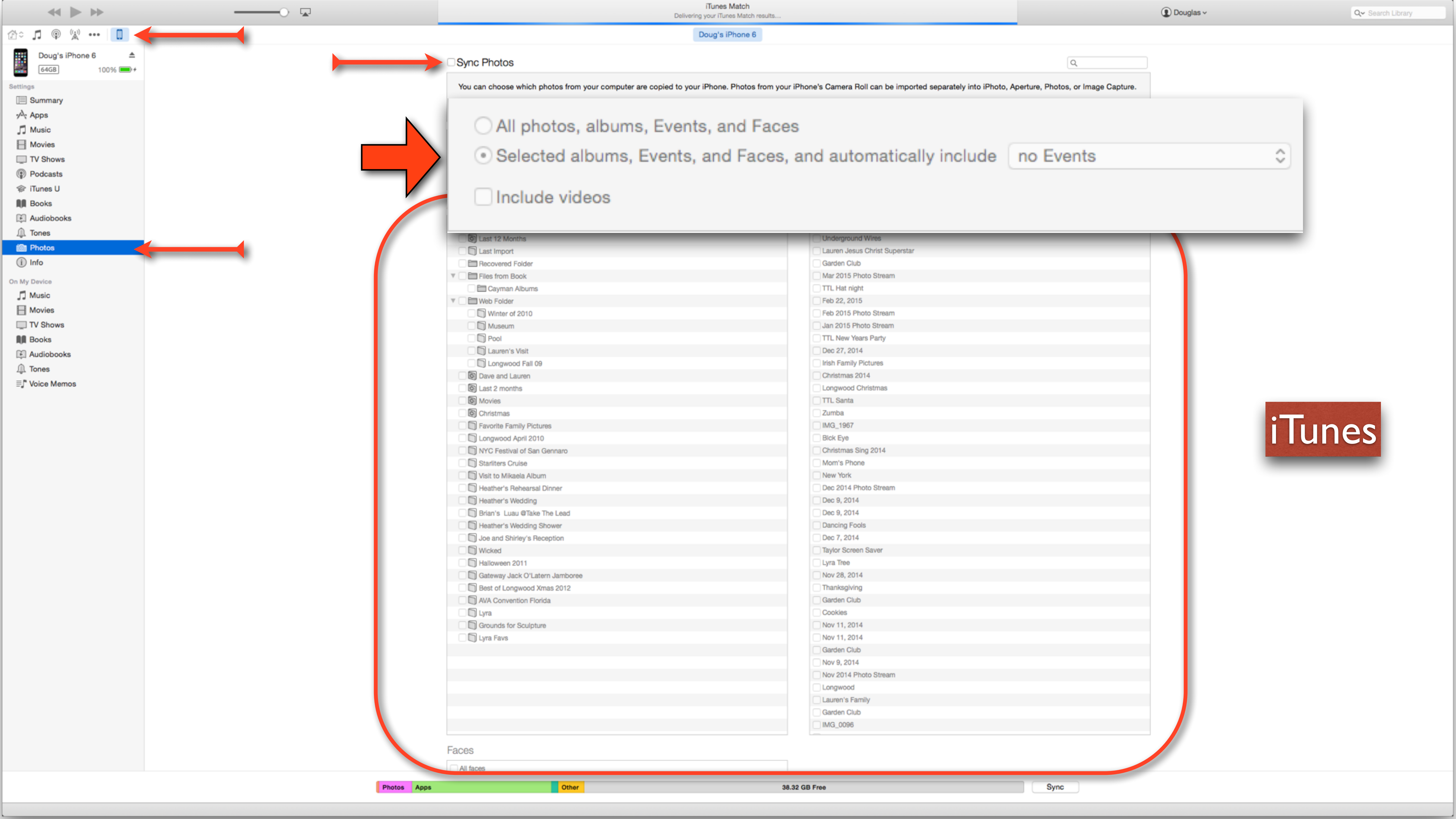






# Syncing Pictures from iTunes to an iOS device







# PhotoStream



- PhotoStream is an iCloud service that uploads and stores your photos and automatically pushes/syncs them to all your other iOS devices and computers.
- Or... When you take a photo on one device, it automatically appears on all of your other devices without having to manually transfer them
- Photos uploaded to My Photo Stream don't count against your iCloud storage.



### Take a photo

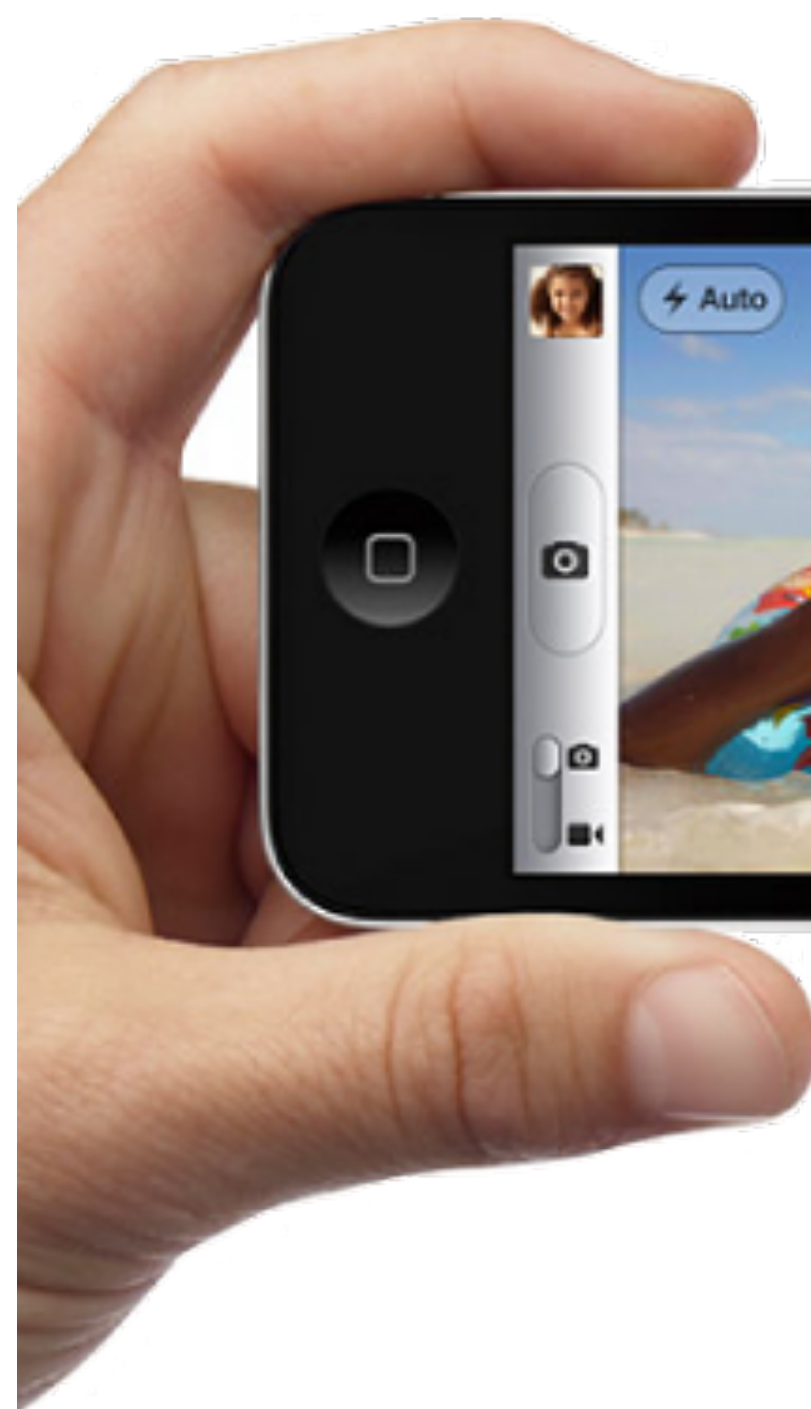
Take a photo with your iOS device. Or import a photo from your digital camera to your Mac or PC.

### iCloud stores it

New photos are automatically sent to iCloud after you take them or import them.

### And pushes it to your devices

Your photos automatically appear on your devices.





# How to get Photos into PhotoStream



- iOS devices: New photos that you take or save automatically upload to your photo stream when connected to Wi-Fi. PhotoStream doesn't push photos over cellular connections.
- Macs: Any new photos you import to iPhoto automatically uploads when you connect to the network (Wi-Fi or wired).
- PC (with iCloud for Windows): Open a Windows Explorer window and, under Favorites, select iCloud Photos. Open My Photo Stream. Click the Add photos button. Select the photos to import to My Photo Stream, then click Open.



# Limitations

## Take a photo

Take a photo with your iOS device. Or import a photo from your digital camera to your Mac or PC.



## iCloud stores it

New photos are automatically sent to iCloud after you take them or import them.



## And pushes it to your devices

Your photos automatically appear on your devices.



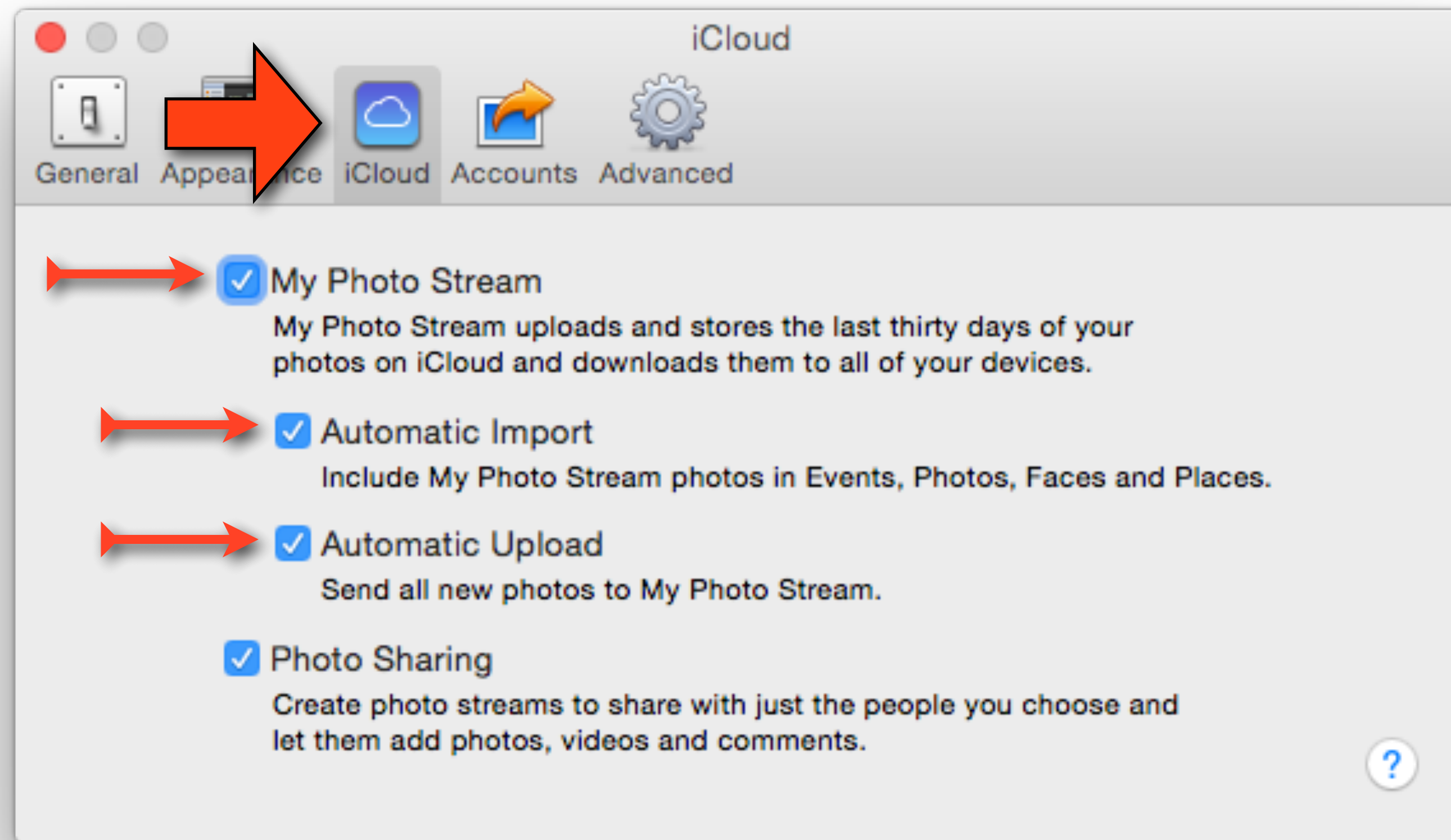
- Photos are held in iCloud for 30 days
- 30 days is the time you have to push photos to your devices
- Mac: iPhoto running and on network
- iOS: on WiFi
- PhotoStream will hold the last 1000 photos on your devices



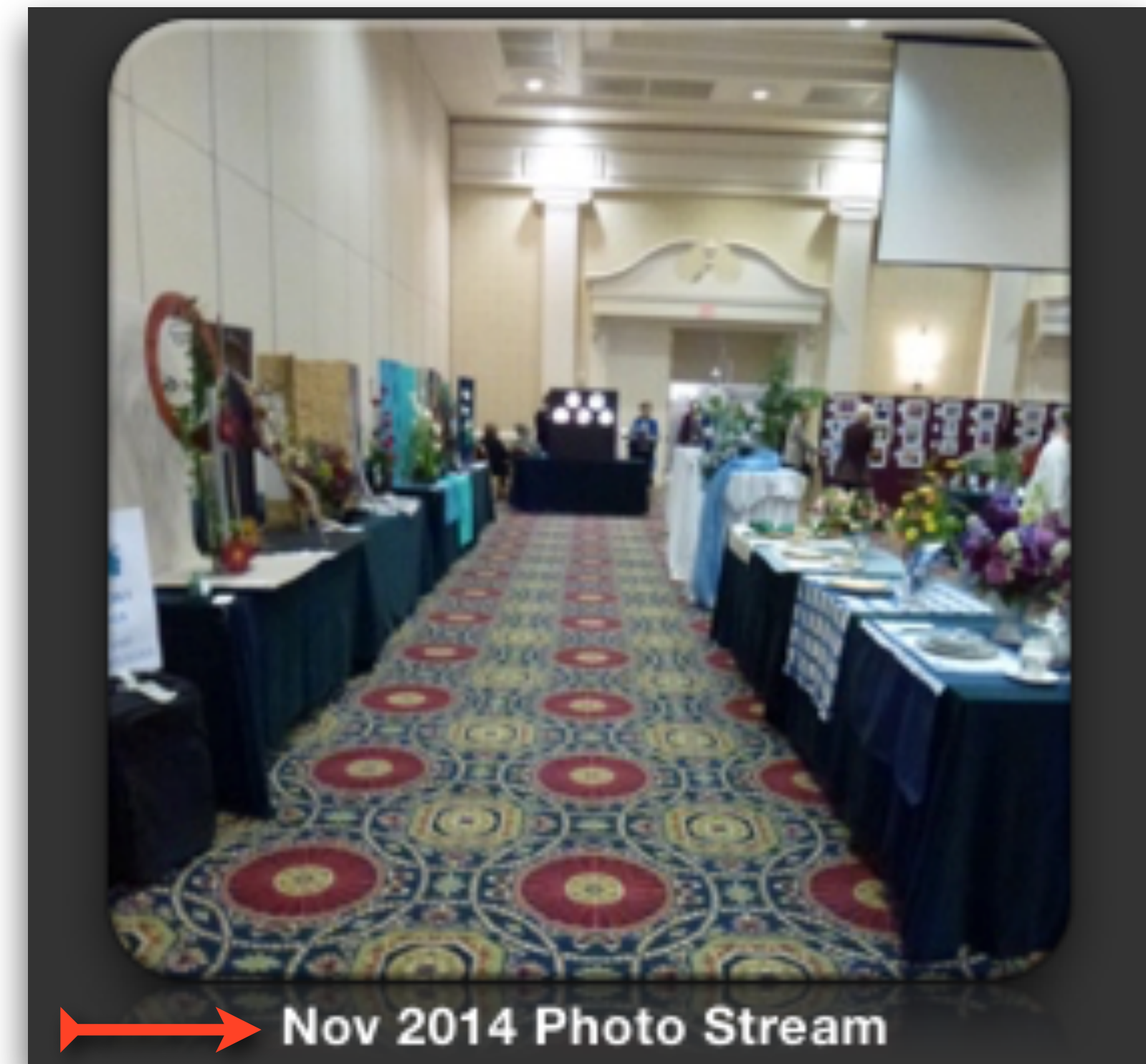
# PhotoStream on Mac



- PhotoStream is an album in iPhoto and holds a rolling collection of your last 1000 photos
- In iPhoto preferences:
  - Select Automatic Upload and all Photos added to iPhoto will also be added to PhotoStream and propagated to your other devices
  - Select Automatic Import and any new PhotoStream photos from other devices will import into your Events, Photos, Faces, and Places folders in iPhoto
- Photos will import into an event called “Month Year Photo Stream”
- The photos imported are permanent and do not expire



iPhoto Preferences



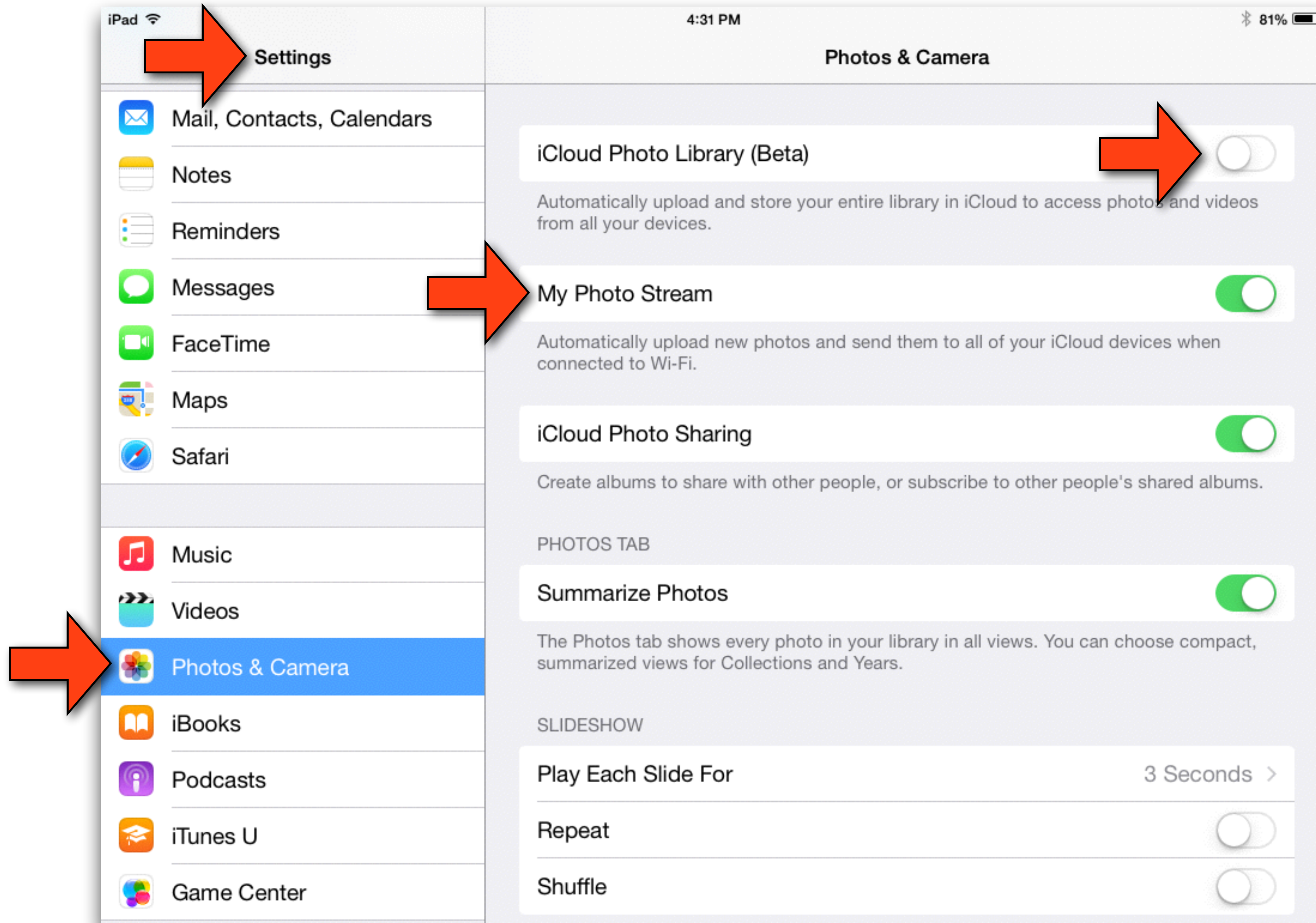
Imported Event



# PhotoStream on iOS



- PhotoStream is an album in the Photos app in the Albums tab
- It also holds a rolling collection of your last 1000 photos
- All Photos you take with the camera or save in applications will be uploaded to PhotoStream when you are on WiFi.
- Settings > Photos & Camera and turn on My Photo Stream
- I would not turn on iCloud Photo Library (beta) yet. If you do, photos work completely differently and the PhotoStream album goes away.
- I recommend you wait for spring 2015 when the new Mac Photo App is released before using iCloud Photo Library.







**Any Questions?**

# Thank You!



\*Presentation produced on an iMAC using  
Apple's Keynote software