

APPLE'S ICLOUD

WHAT IS IT?

WHY (AND HOW) DO I USE IT

SOME PRACTICAL EXAMPLES

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6/1/2017

Notice

This PDF file does not contain the embedded movies which were part of the live MUG presentation.

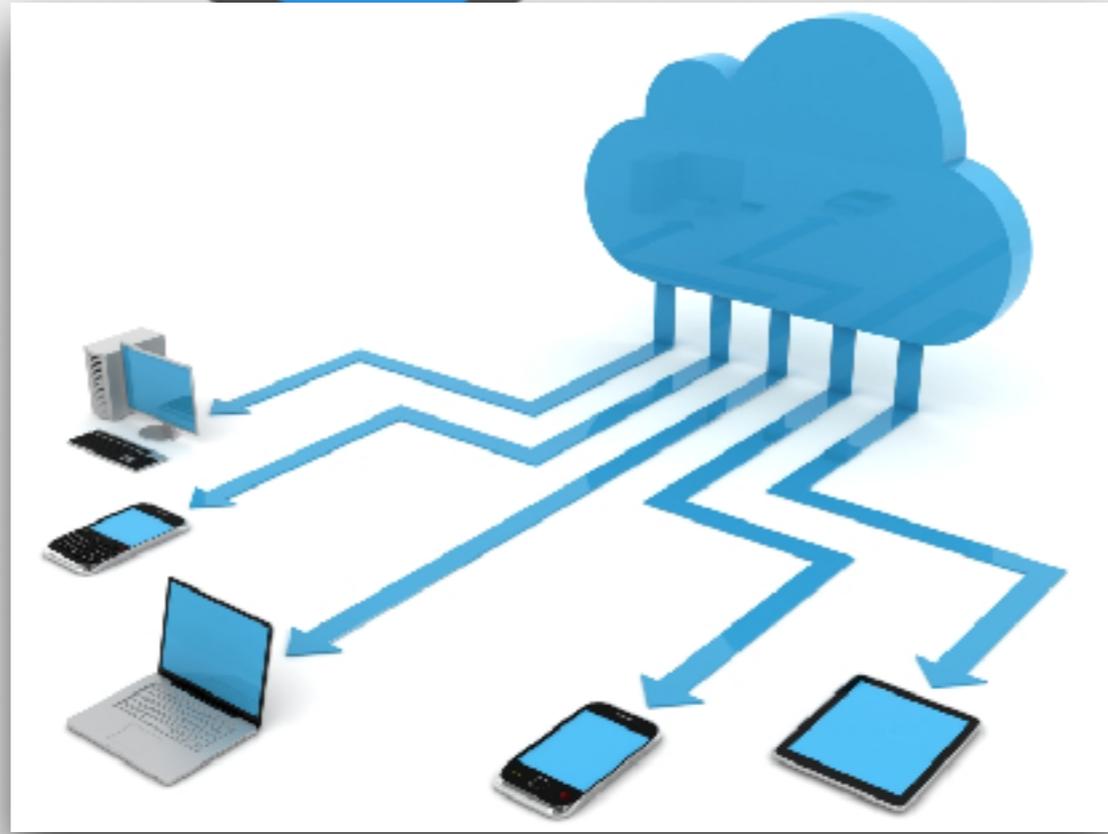
If you want the full keynote presentation with the embedded movies, you can click this link to download it from Dropbox.

<https://www.dropbox.com/s/7t7e2pjkb95bwvi/Mac%20MUG%20June%202017%20icloud.key?dl=0>

Otherwise, continue paging through this PDF and enjoy! -

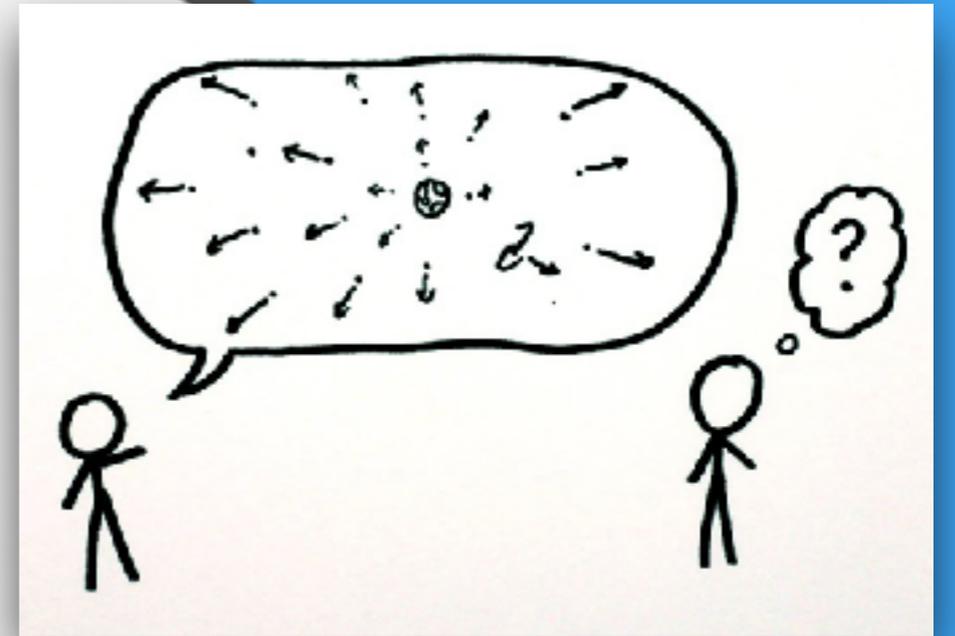
Phillip Pensabene

iCloud is the name for the system Apple uses to deliver all its digital services to us via the internet.



iCloud uses the internet to greatly expand and enhance the capabilities of your Mac computer and your mobile devices

- Expand your capabilities:
 - Siri
 - Find My iPhone
- Connect and sync all your devices via your  ID
- Share photos, calendars, reminders, location and more with friends and family
- Provide online iCloud storage for:
 - iPhone/iPad backups
 - Photos
 - Files



Where is the iCloud?

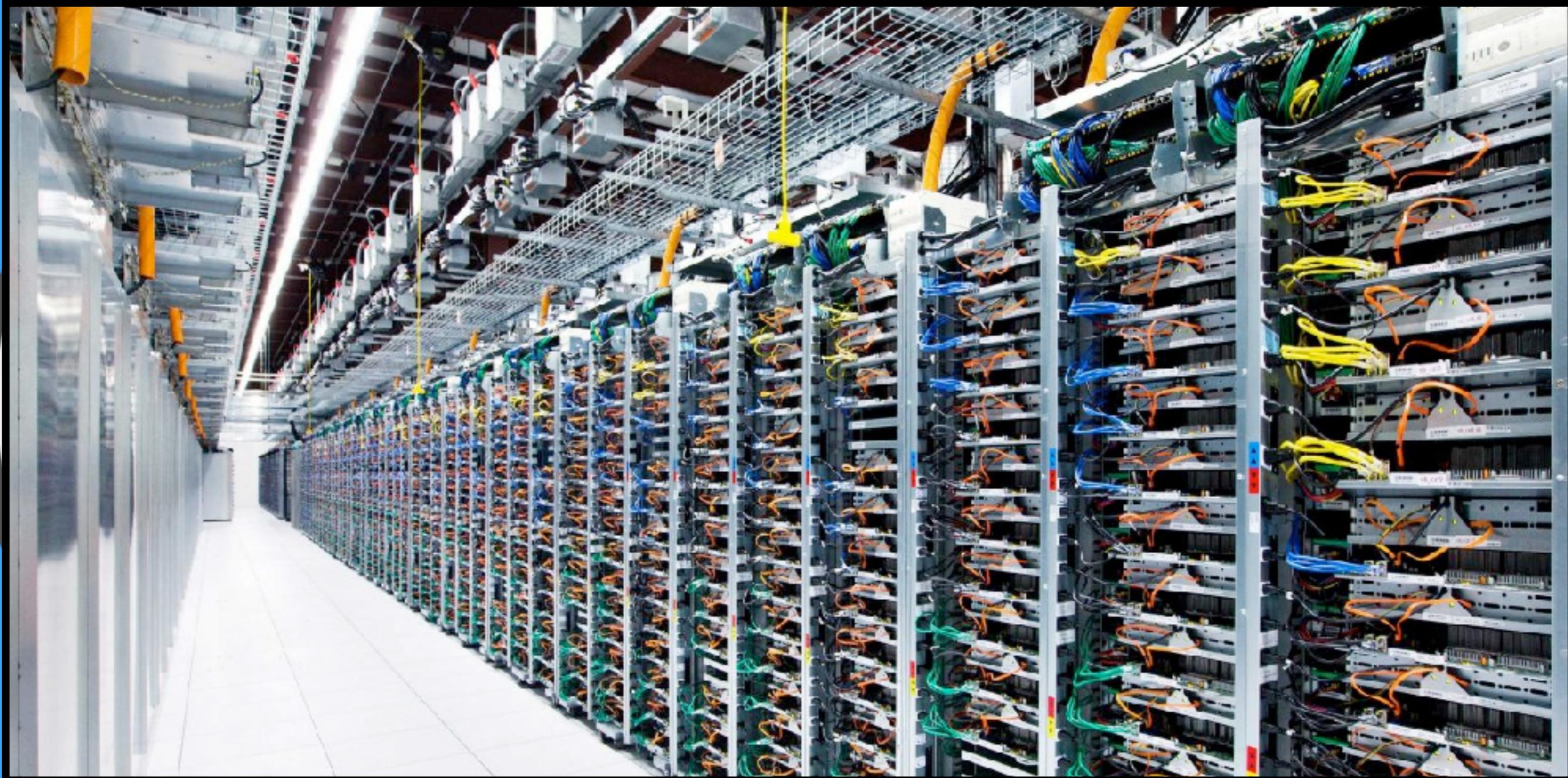
Apple's primary iCloud facility is in
Maiden, North Carolina



Apple iCloud data center = 500,000 sq feet
Average Super Walmart = 260,000 sq feet



Inside the Cloud



Some iCloud Definitions

- **iCloud** = general term for all the digital services provided by Apple
- **iCloud Photo Library** syncs the entire contents of your Photos library to Apple's servers and to any other devices that are signed in with the same  ID, and have iCloud Photo Library enabled
- **iCloud Drive** is Apple's online storage service — a place to keep all your **files** and access them from all your Apple devices, including your iPhone, iPad, and Mac.
- **iCloud backups** for iPhone/iPad- A compressed file containing all the data you have added to your mobile. (e.g. Contacts, Calendar events, Photos, reminders)

Not
Charged
to
iCloud
Data
Storage
Plan

Charged
to
iCloud
Data
Storage
Plan

Safari
Tabs, History &
Keychain



iTunes
iBooks
App store



iPhone/iPad
Backups



Sync your data



iCloud.com



iCloud
Drive



Shared
Photo
Albums &
Photostream



Siri



Family
Sharing



iCloud
Photo
Library



Pages,
Numbers,
Keynote



Sync'd
App Data



Find My
iPhone



Benefits of iCloud - Convenience

- Access to all my files and photos
 - On my desktop
 - On my iPhone, iPad, Macbook, iMac
 - On any computer connected to the internet (via www.iCloud.com)



Benefits of iCloud-Financial

- By storing files and photos in iCloud I need less local storage:
 - iPhone/iPad with medium sized memory
 - iMac/macbook with medium sized hard drives



Benefits of iCloud-Financial

| | | |
|-------------------------------|--------------------------------|--------------------------------|
| 32GB ¹ \$649.00 | 128GB ¹ \$749.00 | 256GB ¹ \$849.00 |
|-------------------------------|--------------------------------|--------------------------------|

- iPhone price increases by \$100 for each internal memory increment



Benefits of iCloud-Financial

- iMac price increases by \$200 for each disk storage increment



| | |
|---------------------------------|------------|
| 1TB Serial ATA Drive @ 5400 rpm | |
| 1TB Fusion Drive | + \$100.00 |
| 2TB Fusion Drive | + \$300.00 |
| 256GB Flash Storage | + \$200.00 |
| 512GB Flash Storage | + \$400.00 |

Benefits of iCloud-Financial

- Macbook price increases by at least \$200 per solid state drive storage increment



| | |
|----------------------|------------|
| 128GB PCIe-based SSD | |
| 256GB PCIe-based SSD | + \$200.00 |
| 512GB PCIe-based SSD | + \$400.00 |
| 1TB PCIe-based SSD | + \$800.00 |

iCloud Data Storage Plans

- 5GB = free
- 50GB = \$.99 or \$12/yr
- 200GB = \$2.99 or \$36/yr



| CURRENT PLAN | |
|--|--|
| 5GB | Free |
| CHOOSE UPGRADE By selecting a new plan and tapping Buy, you will be charged the amount below now and each month until you change or cancel your plan. | |
| 50GB | \$0.99 a month <input checked="" type="checkbox"/> |
| 200GB | \$2.99 a month |
| 1TB | \$9.99 a month |
| 2 TB | \$19.99 a month |

Benefits of iCloud-Financial

- **Assumptions:**

- I upgrade my iPhone and MacBook at least every 4 years
- I require smaller memory options because my data is in the iCloud
 - Difference of 128GB vs 256GB iPhone = \$100 savings
 - Difference of 128GB vs 256GB Macbook = \$200 savings
 - Total savings = \$300
 - 200 gb iCloud bill for 4 years = $\$36 \times 4 = \144
 - Net savings = \$156 by maximizing iCloud storage

Discount iTunes Gift Cards

- Reduce your iCloud data plan costs
- Reduce the price of paid apps
- Most common discount is 15%
- Watch your sale papers

HOW TO GET DISCOUNTS ON iTUNES GIFT CARDS

1

KNOW WHAT THE MOST LIKELY DISCOUNT WILL BE



The most frequent discount is 15% off the face value of the card. A close runnerup is 20% off.

Though rare, Raise.com offers higher discounts for new users.

2

BE AWARE OF WHEN IT'S THE BEST TIME TO FIND DEALS ON GIFT CARDS



December always has the most discounts. October and November are also popular.

The rest of the year averages about three deals per month.

3

FIND OUT WHICH RETAILERS OFFER DISCOUNTS



PayPal on eBay is the store to beat: It offers the most iTunes gift card deals.

Staples and Target also offer a lot of deals — but the latter may only have BOGO deals.

4

KNOW WHAT GIFT CARD AMOUNT IS MOST TYPICALLY DISCOUNTED

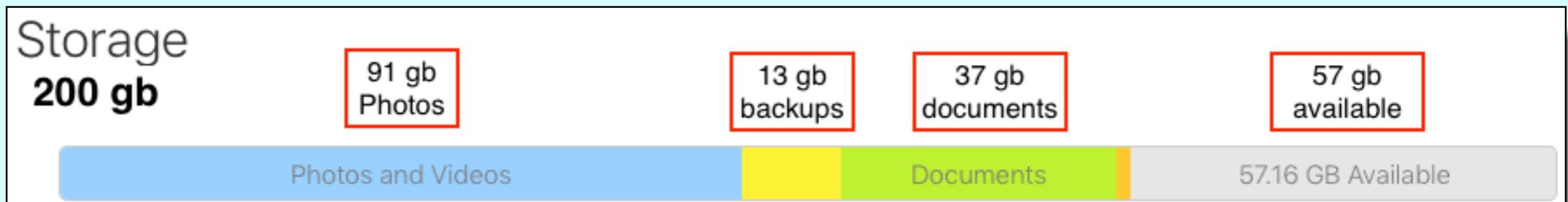


\$100 gift cards are the most frequently discounted.

On average, you'll get \$100 gift cards for \$85 a pop.

My Current iCloud Usage

- 200GB Plan \$36/year
 - 37GB iMac Desktop and Documents folder in iCloud
 - 91GB 44,000 photos 237 videos
 - 13GB in backups for iPhone and iPad
 - 57GB available

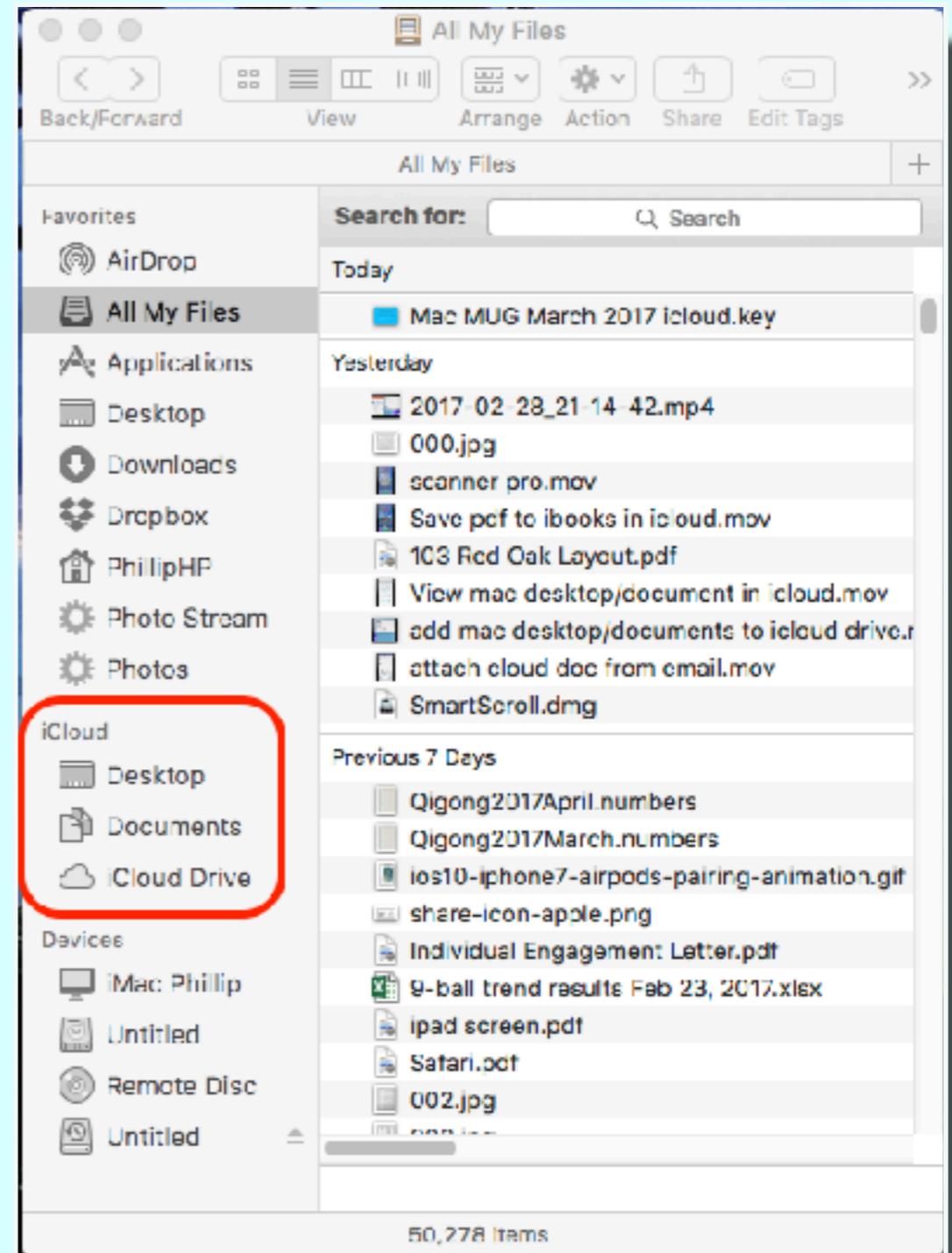


Examples of ways I use iCloud

- Access files from Mac desktop from my iPhone
- Send PDFs from iCloud drive via e-mail
- Save PDFs to iBooks from iPhone
- Use Mail Drop to send large files from iCloud Drive
- Find directions on Mac Maps, send to iPhone
- Universal clipboard
- Shared iCloud Photo Albums
- Use iCloud Photo Library to access old photos
- Use iCloud Keychain as password manager
- AirPods iCloud pairing

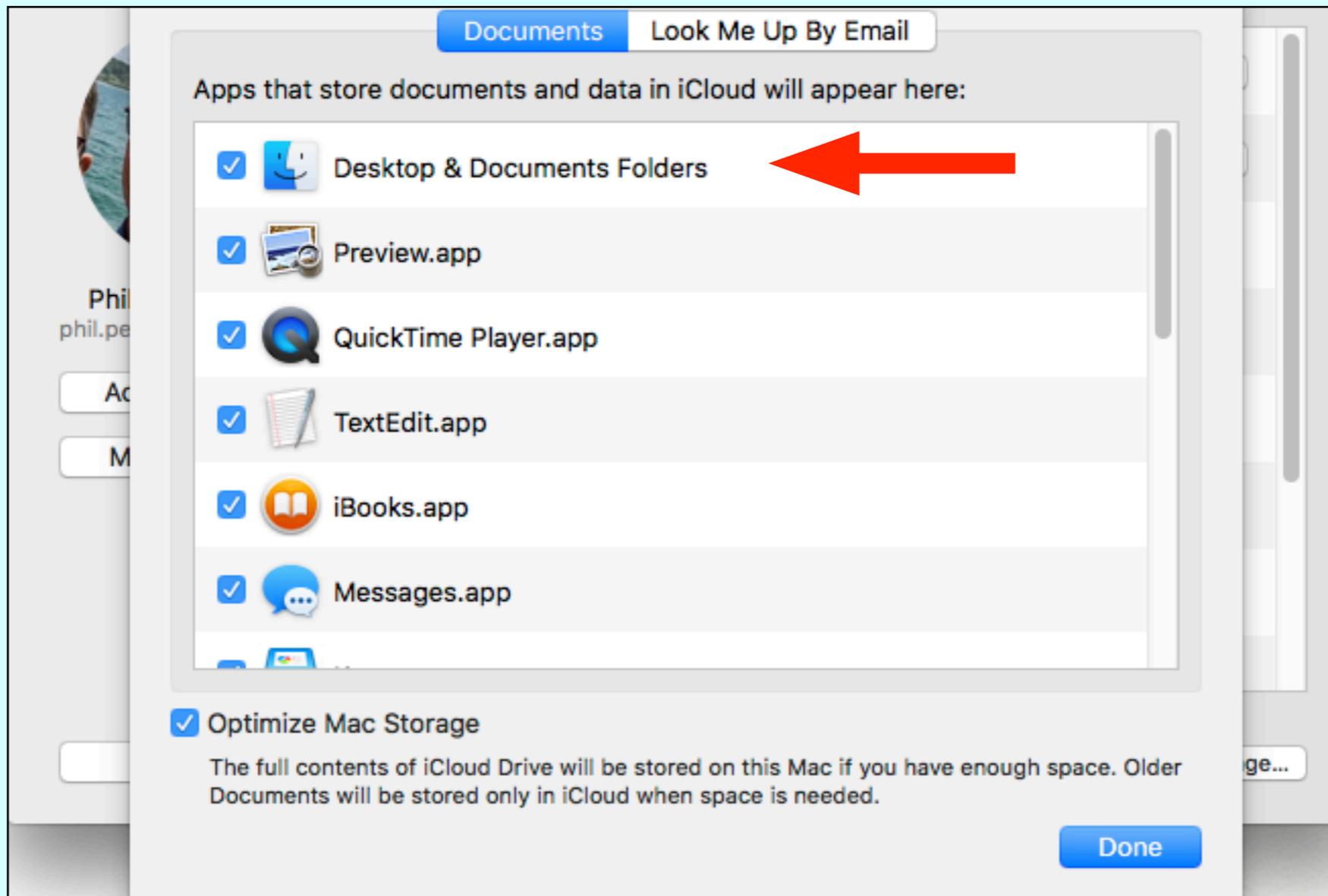
4 Actions I have taken to expand my use of iCloud

- I turned on iCloud Drive in System Preferences and iOS Settings
- I turned on iCloud Photo Library on all devices
- I moved Mac Desktop and Documents folder to iCloud
- I enabled most apps to save data in iCloud Drive



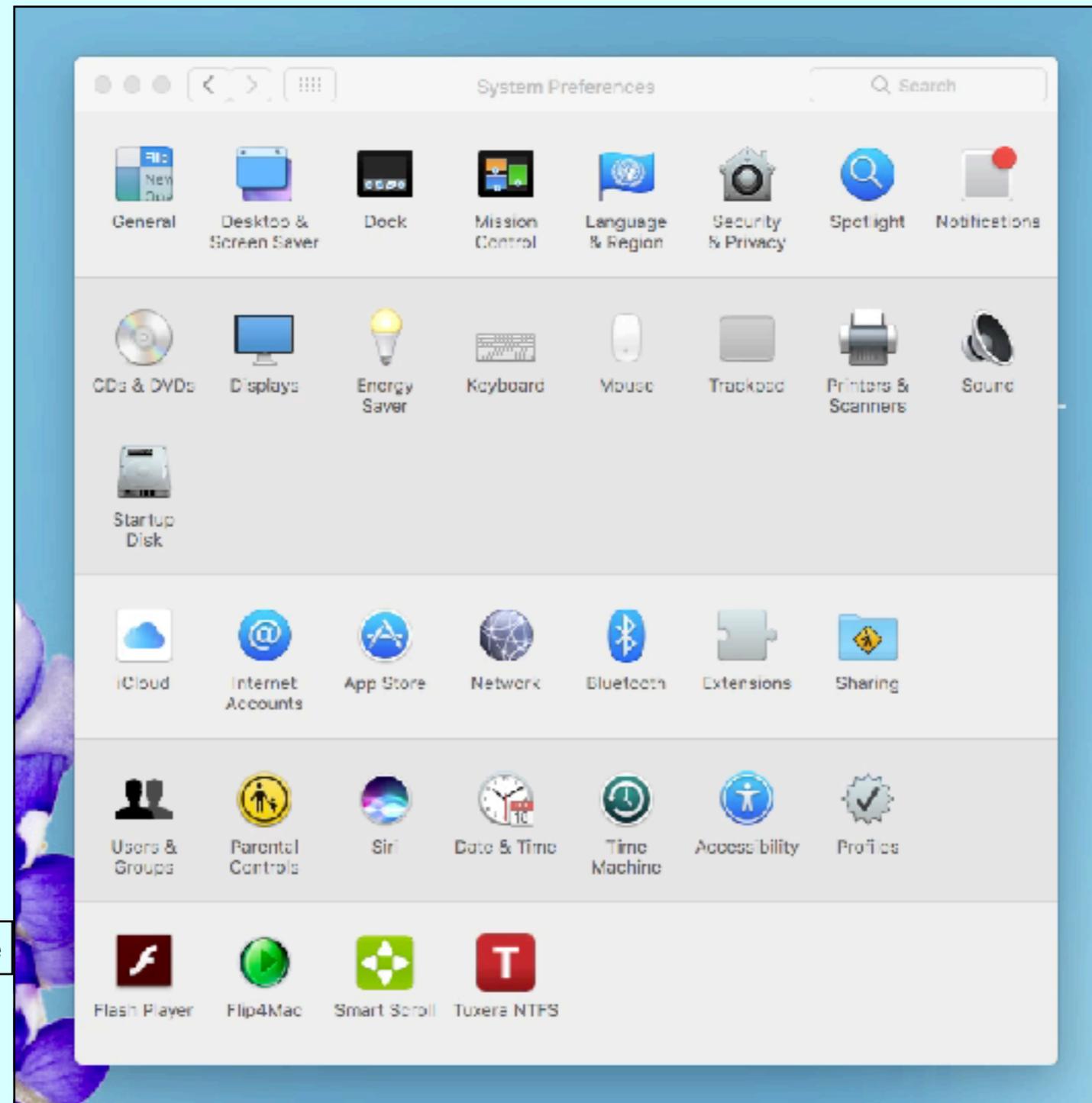
Put Mac Desktop and Document Folder in iCloud with Sierra

System Preferences > iCloud > iCloud Drive > Options



Put Mac Desktop and Document Folder in iCloud with Sierra

- System Preferences > iCloud > iCloud Drive > Options



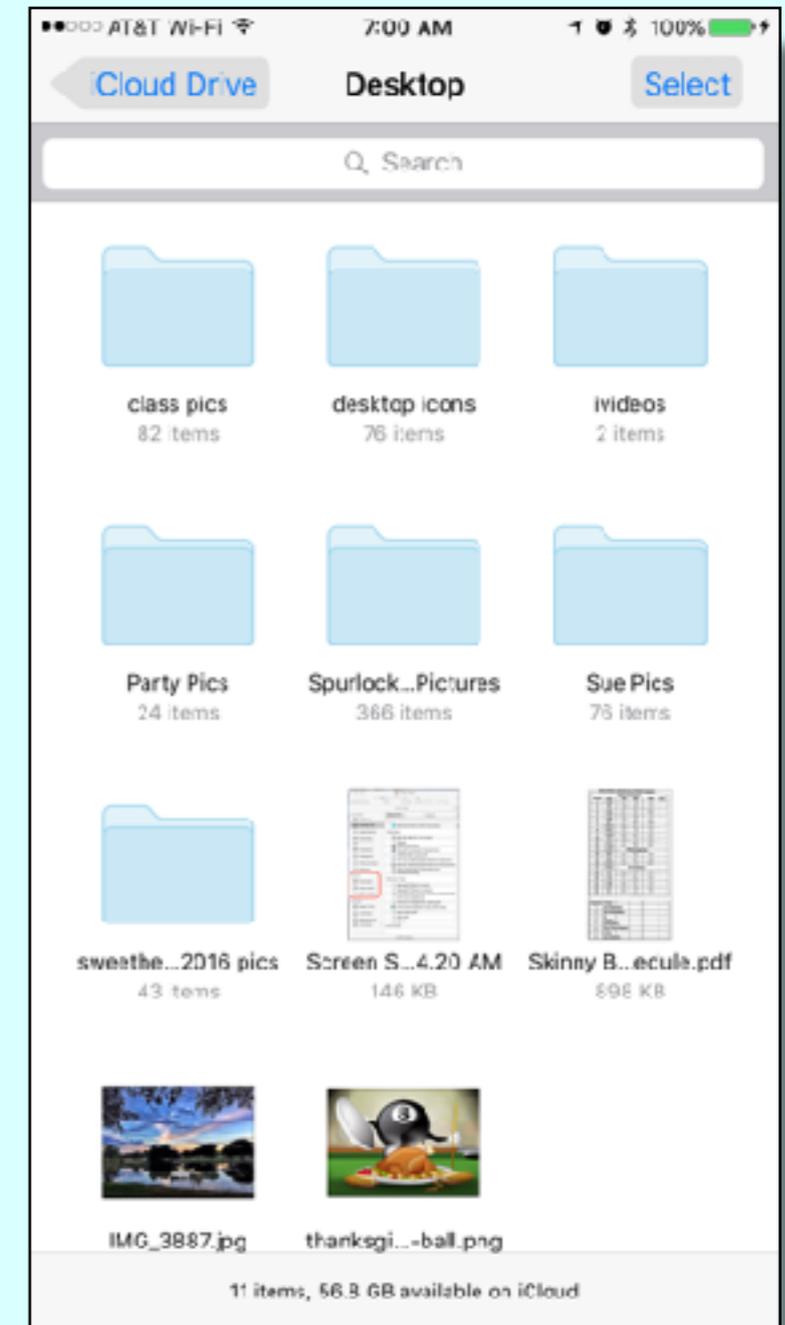
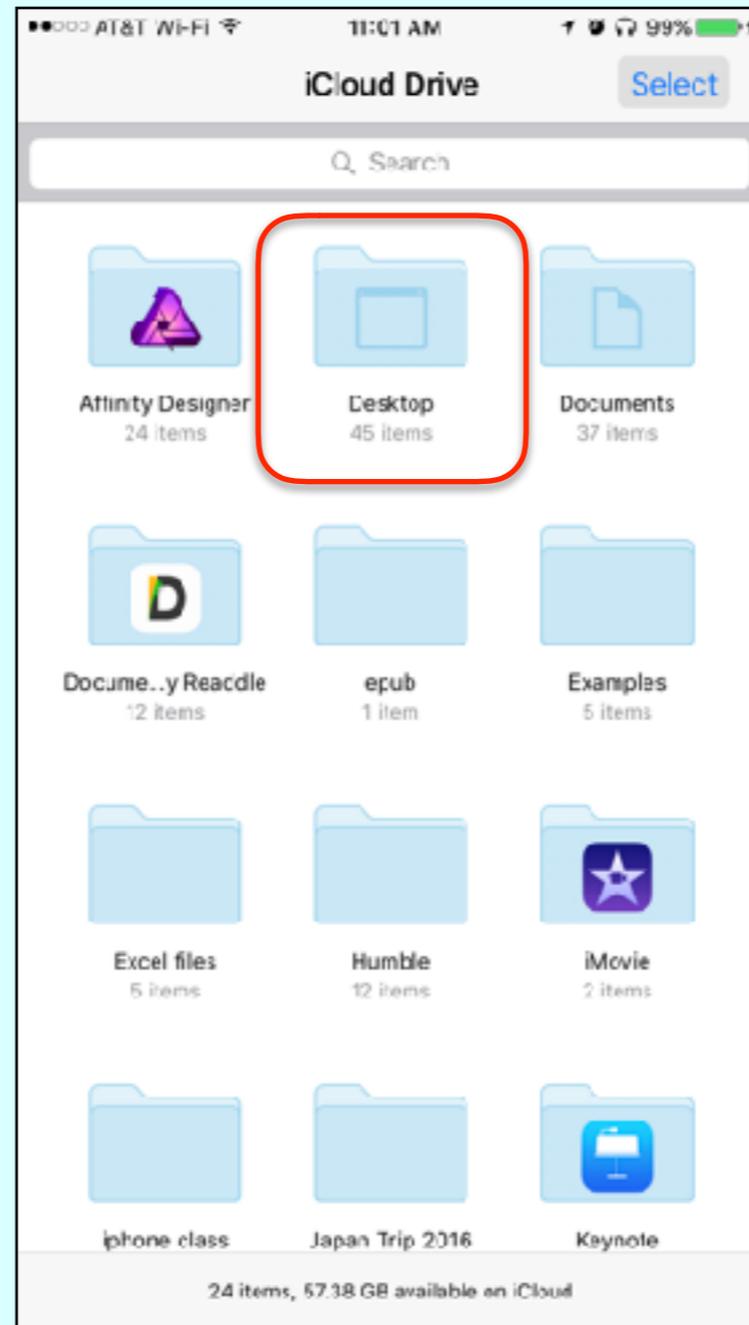
Access Mac Desktop from iPhone

- Example: I need a file which is on my Mac Desktop

- Tap 'iCloud Drive' icon on iPhone

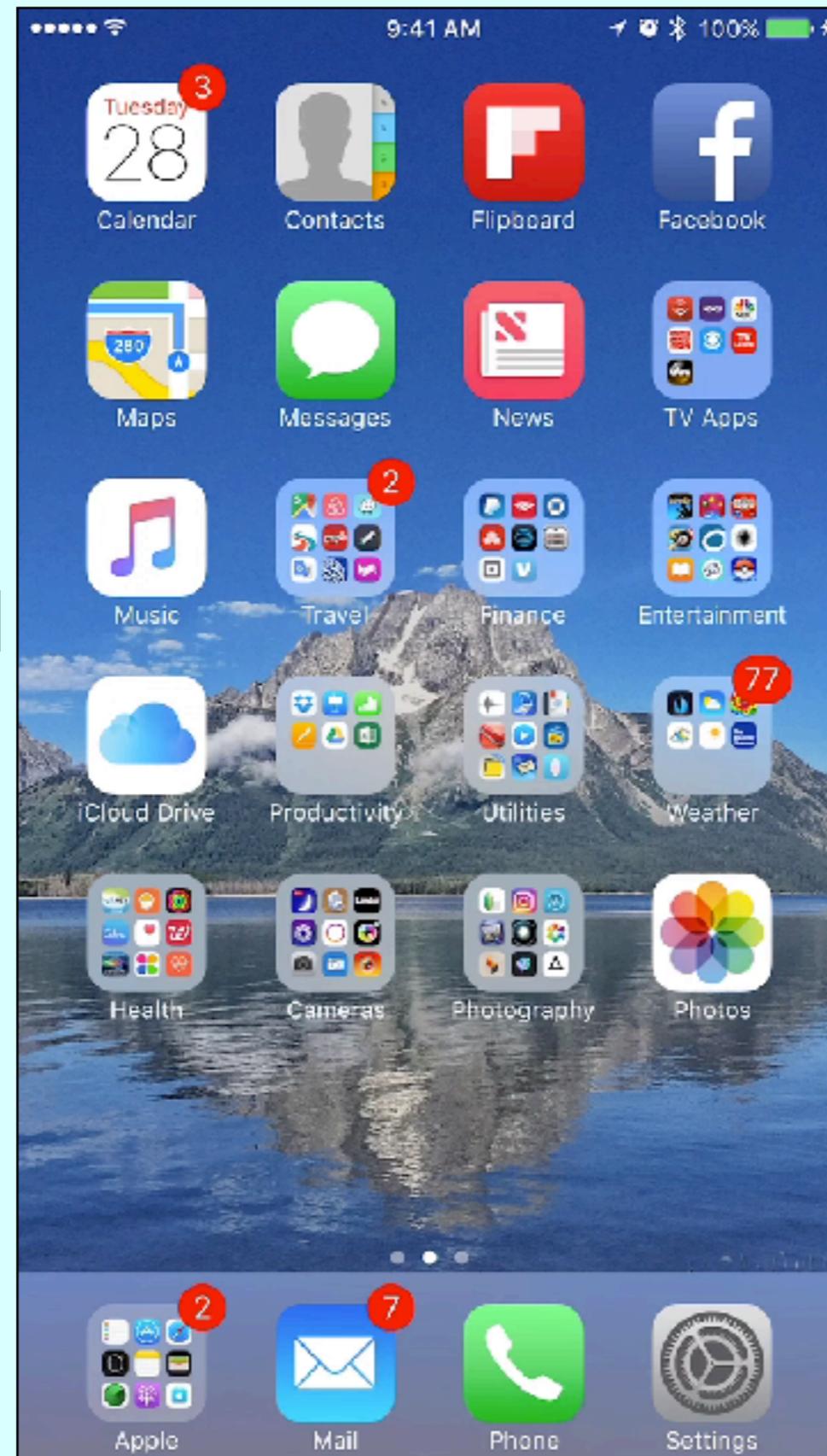


- Select 'Desktop' to browse files/folders on Mac desktop



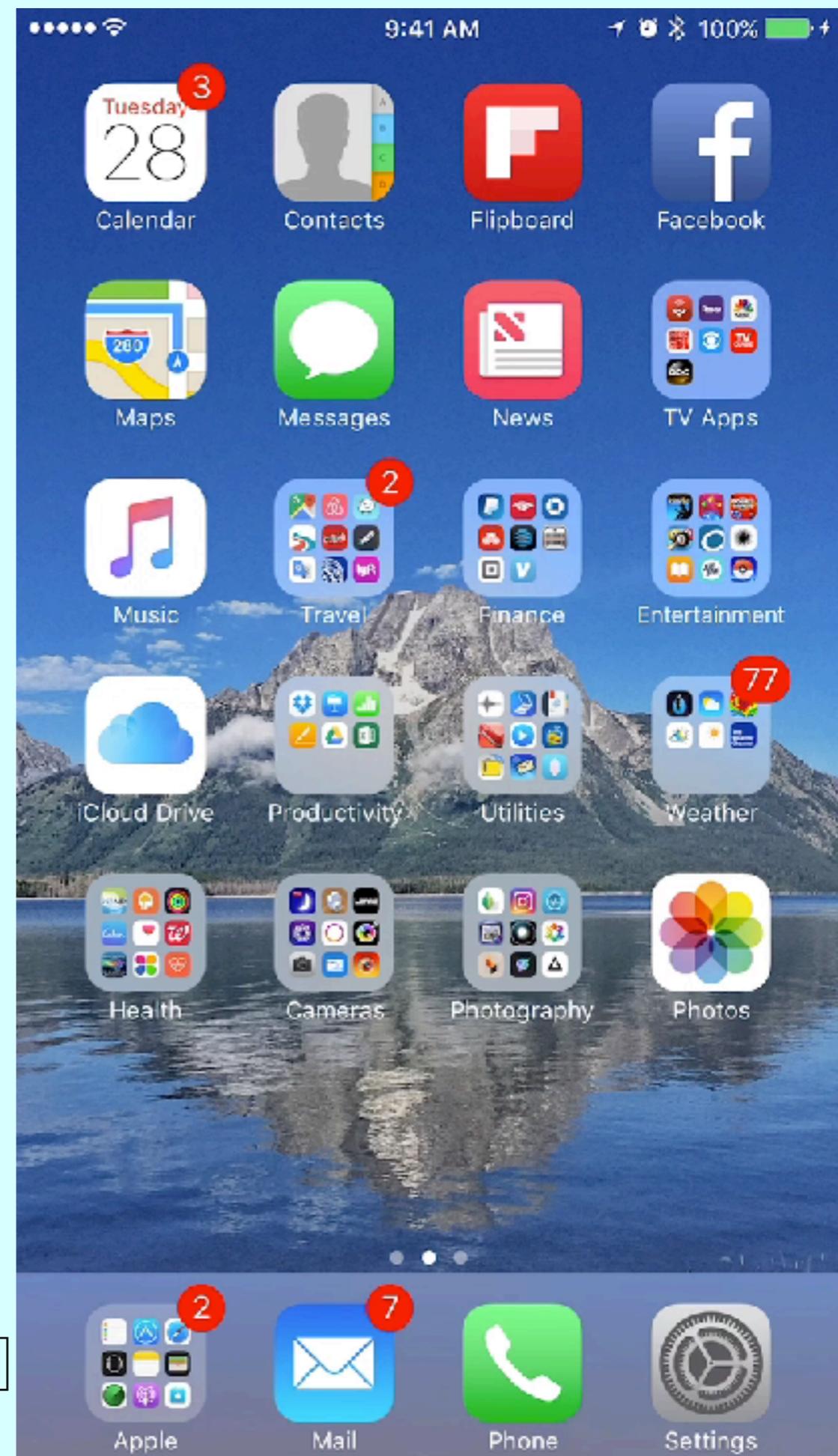
Access Mac Desktop from iPhone

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Everywhere Access to All My Files *Almost*

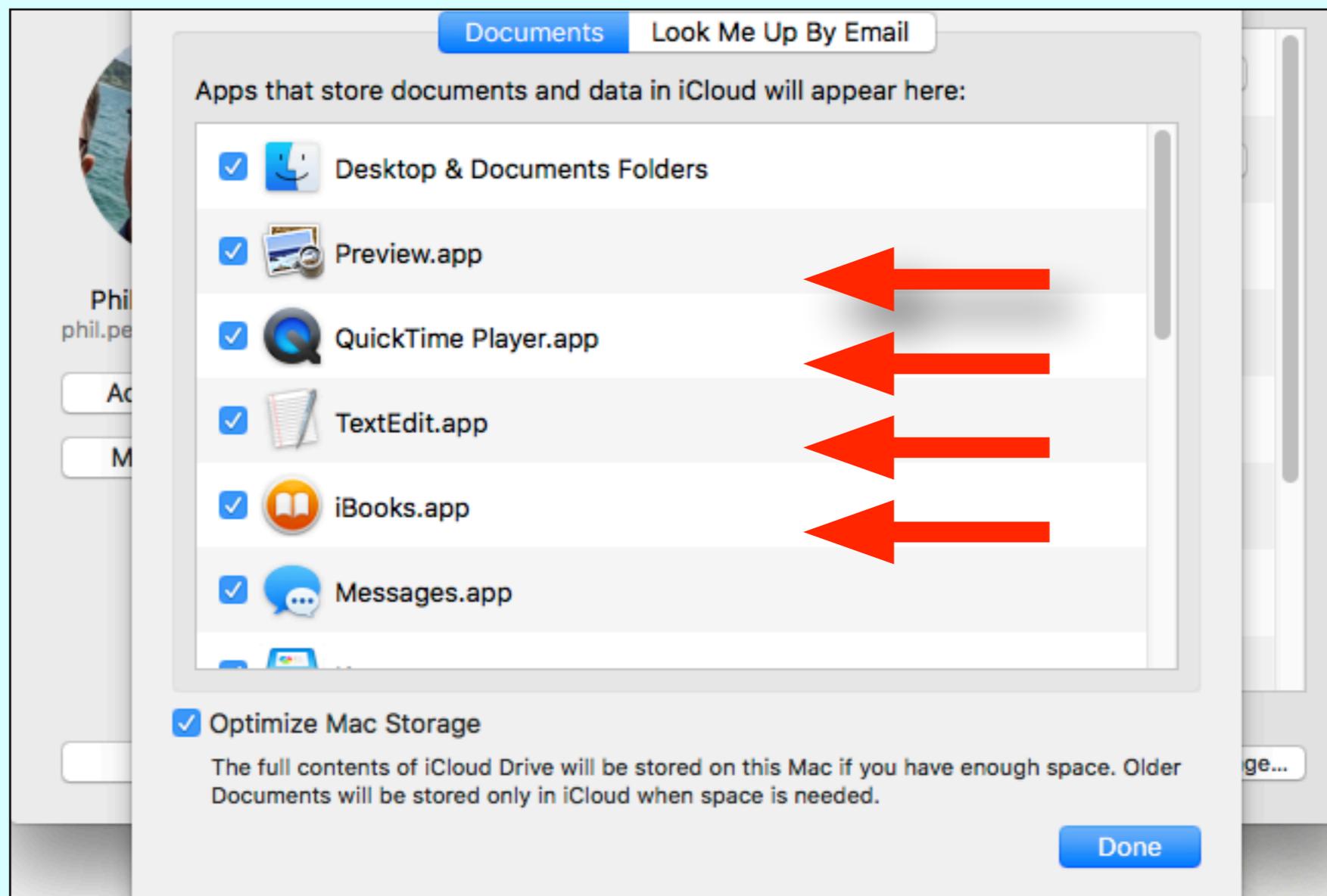
- * Must have cellular or wi-fi connectivity*
- Example - Send a PDF from the iCloud drive via e-mail
- Create e-mail on iPhone/iPad
- Tap to add attachment



movie

Enable apps on Mac to use iCloud Drive

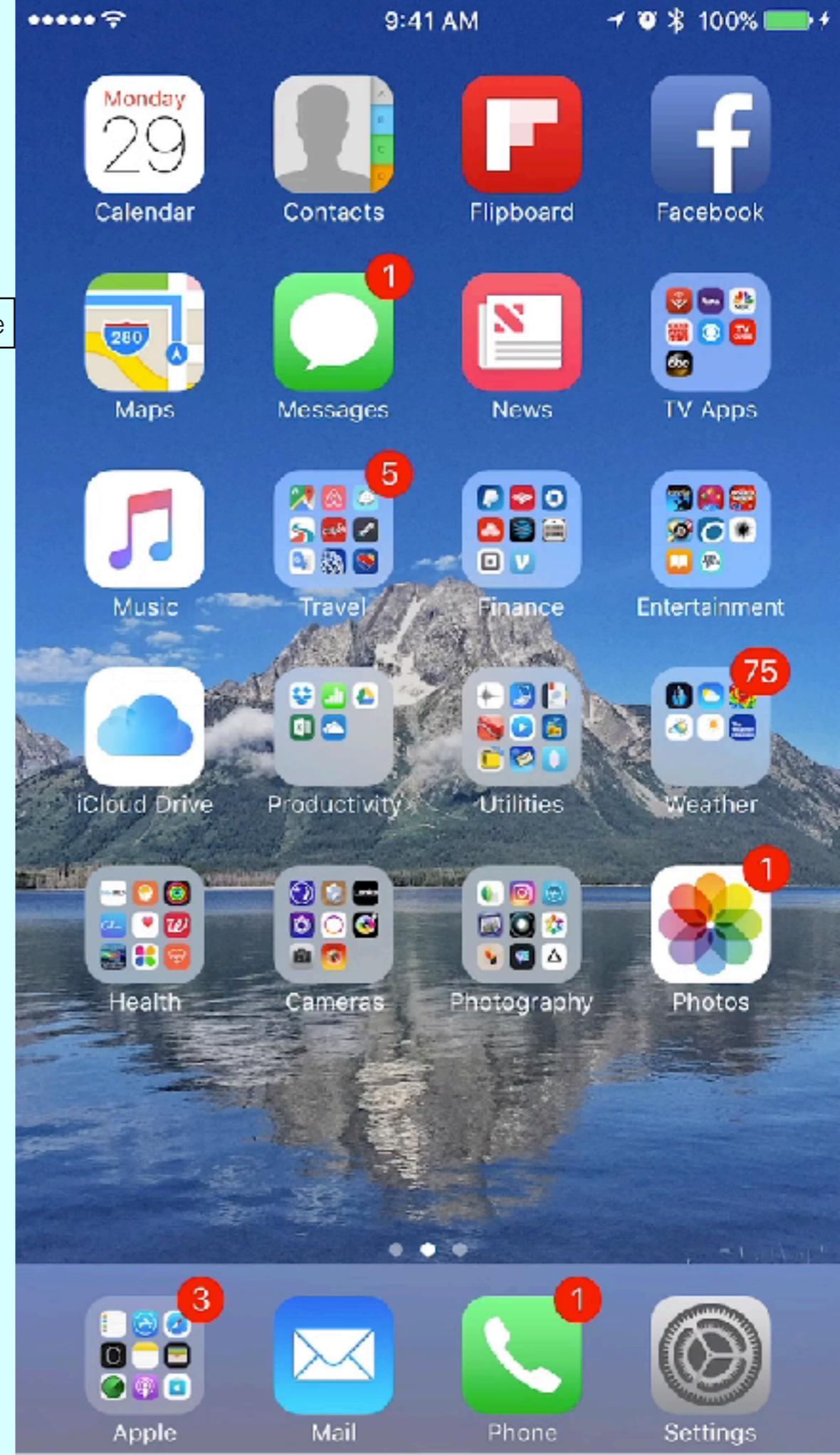
- System Preferences > iCloud > iCloud Drive > Options
- Apps that store documents & data in iCloud



How to enable apps on the iPhone to use iCloud Drive

- Open settings
- Open Apple ID profile
- Open iCloud
- Scroll down to:
 - Apple apps
 - 3rd party apps
- Turn apps on or off

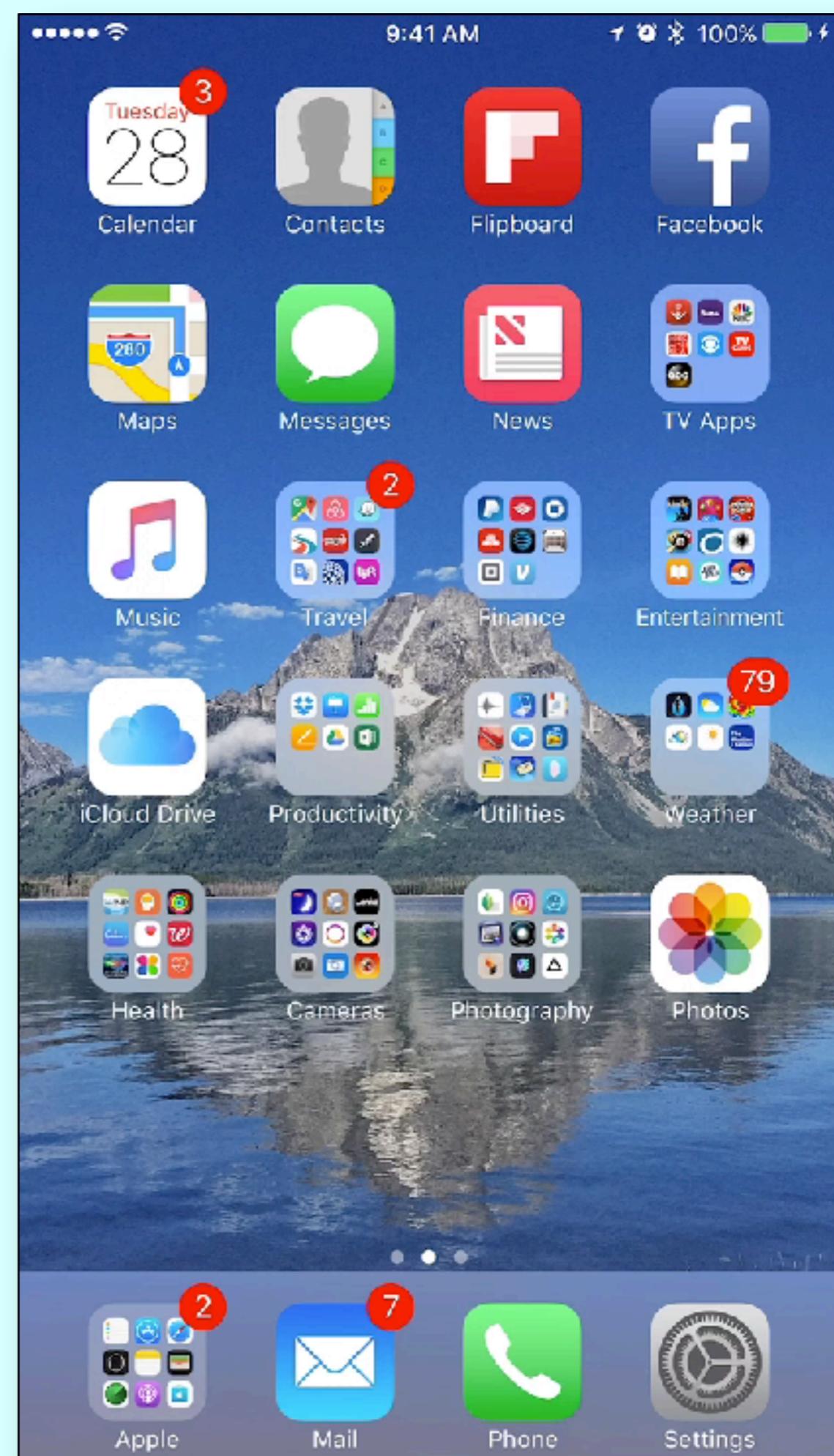
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Use the iPhone to save files to iCloud Drive

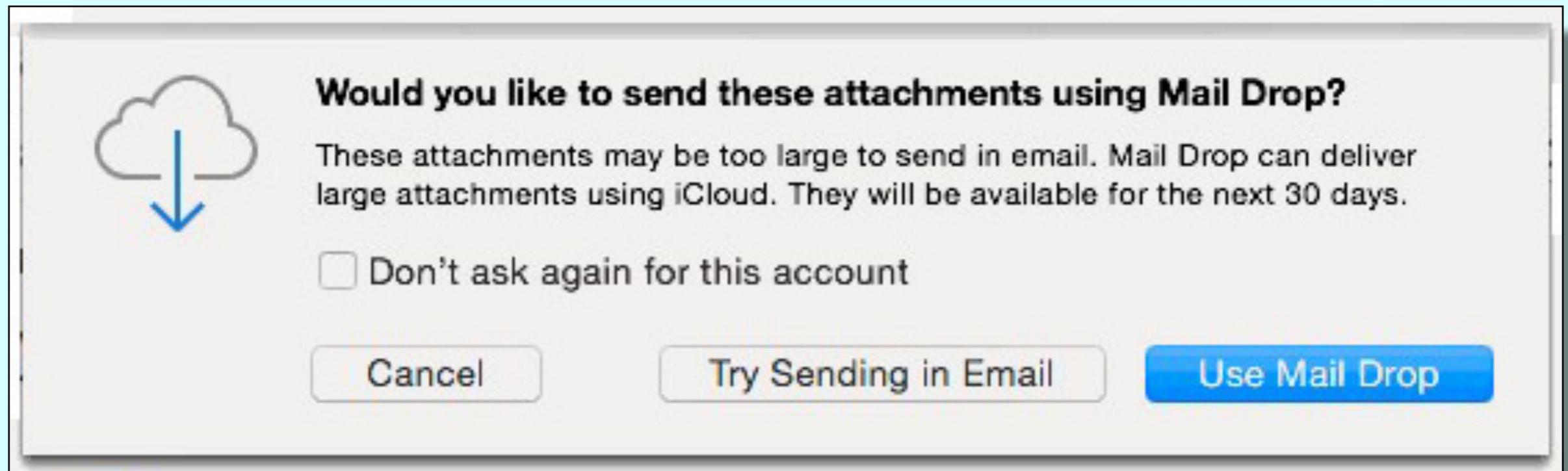
- Example - Save PDFs to iBooks in iCloud
- Be sure iBooks is checked in iCloud Drive Options
- Create or open a PDF
- Tap Share Icon 
- Tap Import with iBooks
- PDF will be available in iBooks on all devices

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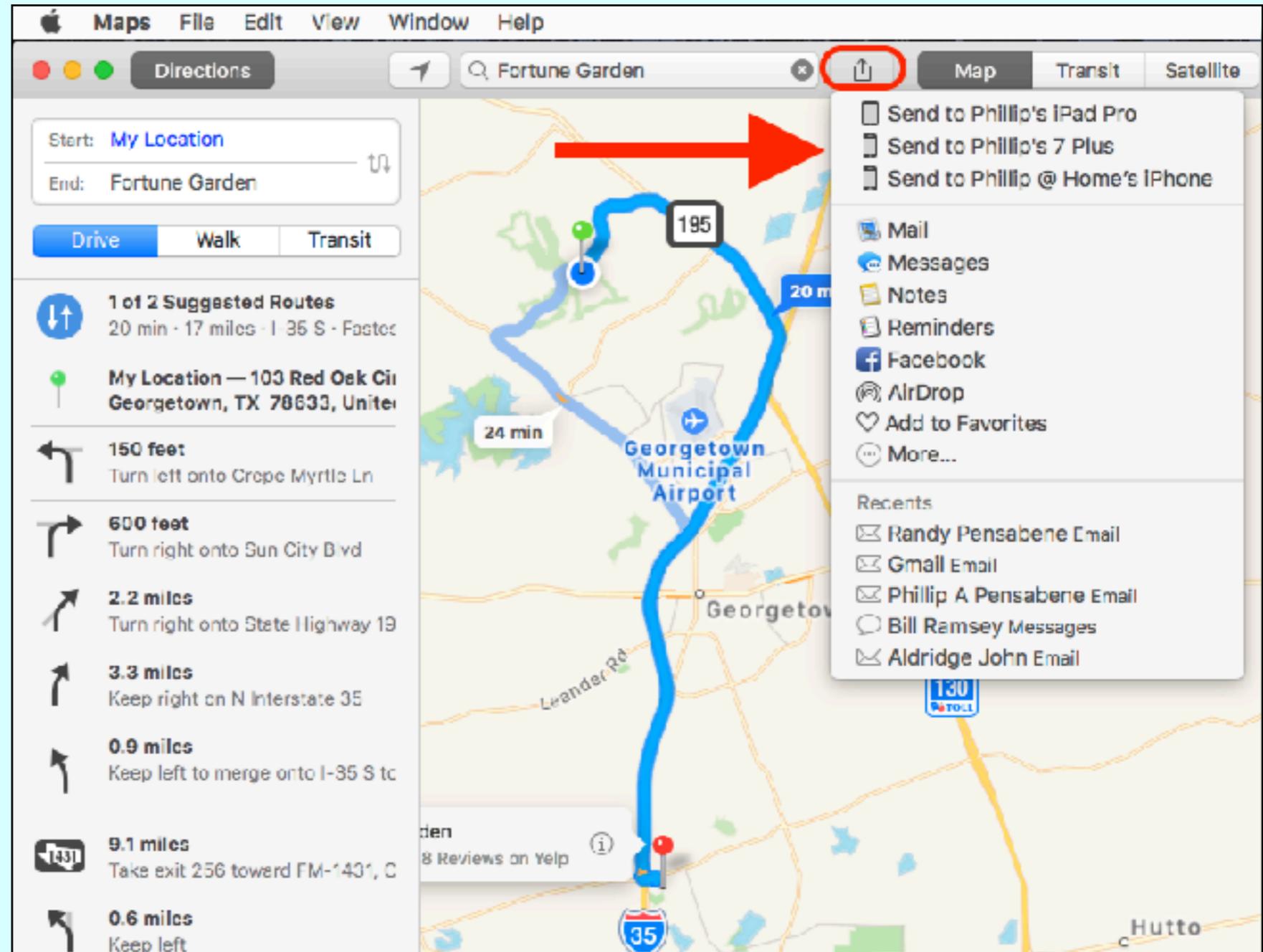
Use Mail Drop to Share Large Files

- Attach large files to e-mail or texts (up to 5GB)
- Initiate from either e-mail or iCloud Drive
- Recipients using current version of MacOS receives an attachment
- Other recipients get a temporary link to file (30 days)



Send Maps to iPhone

- Example: Get direction to Fortune Garden on iMac
- Tap 'Share' icon
- 
- Select the device to send the directions to

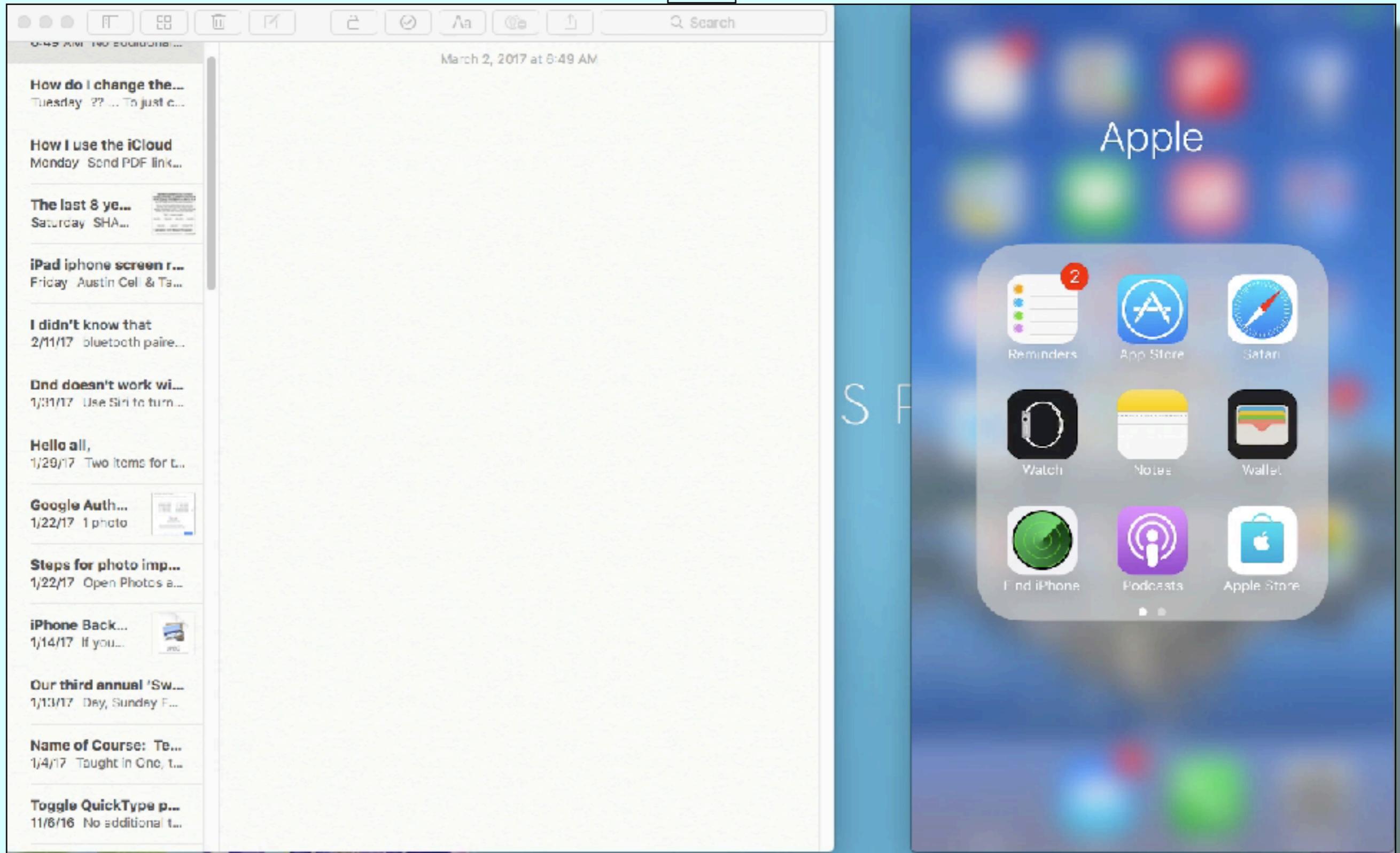


Universal Clipboard

- Copy on one device, Paste on any other device
- All devices logged into the same Apple ID
- Example - Copy text from website on iPhone
- Paste it into Notes on the Mac

Universal Clipboard Example

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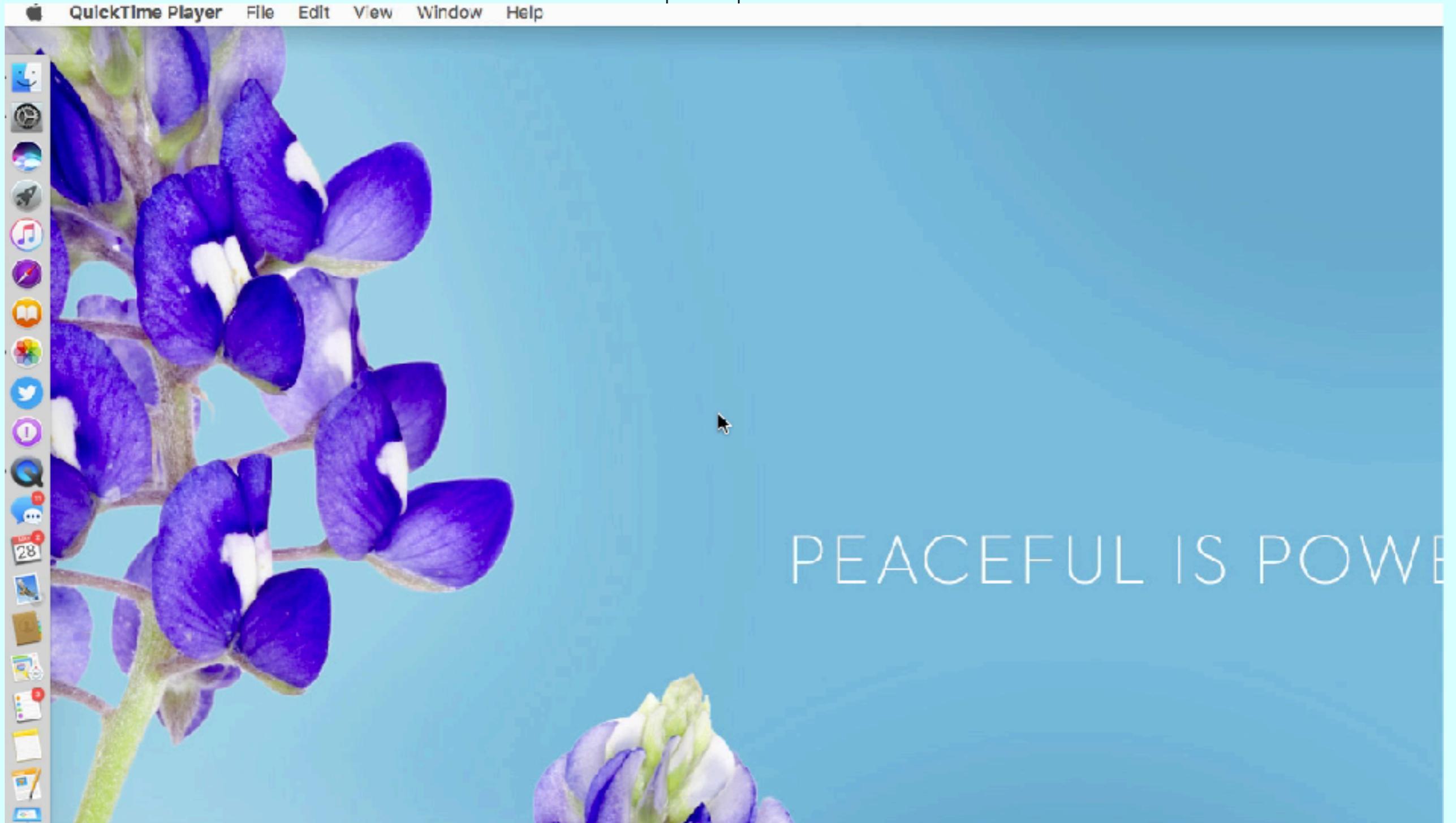


Shared Photo Albums

- Settings > iCloud > Photos > iCloud Photo Sharing > on
- Create Shared Albums in Photos App
 - Select photos for album
 - Tap Share icon 
 - Select iCloud Photo Sharing
- Invite Apple folks to:
 - View, comment, like and add photos to Album
- Share link with non Apple folks - view only

Create Shared Photo Album Example

movie



iCloud Photo Library

- Syncs all your photos to the iCloud
- Available on all your Apple Devices or on the web
- Merges Camera Roll and PhotoStream > All Photos Album
- Example - Lunch @ Scott's Oyster Bar
 - I wanted to show pictures I had taken when it was the Historic San Gabriel Motor Court
 - Opened Photos App on iPhone, tapped search, tapped 'Nearby', and the photos from 2012 were displayed

iCloud Keychain

- Apple's User ID (UID) and Password (PW) Manager
- Syncs saved PW's across your Apple products
- Autofills saved UID and PW when you visit websites
- Downside - Only works in Safari
- Upside - All saved PWs are available to view and copy from Mac Safari Preferences or iOS Safari Settings

AirPods iCloud Pairing

- Open AirPod Case near your mobile device
- Tap 'Connect'
- Automatically paired with all the Apple products tied to your Apple ID via iCloud

