

# Mac OS 12.x Monterey



# Introduction:

- + Monterey 12.x is the latest Macintosh operating system from Apple.
- + Previous Systems:
  - + OS X 10.6 Snow Leopard
  - + OS X 10.7 Lion
  - + OS X 10.8 Mountain Lion
  - + OS X 10.9 Mavericks
  - + OS X 10.10 Yosemite
  - + OS X 10.11 El Capitan
  - + Mac OS 10.12 Sierra
  - + Mac OS 10.13 High Sierra
  - + Mac OS 10.14 Mojave
  - + Mac OS 10.15 Catalina
  - + Mac OS 11 Big Sur

# Introduction:

- + Unlike 10.8 and before; THIS ONE IS FREE!
- + Monterey is a major upgrade to the Mac OS. Note that the version number is now 12. The update to Monterey; as was Big Sur, is breaking the older convention of 10.x.y where y is the update with major upgrade (usually yearly) increments of .x .

# Introduction:

- + Normally one would expect to have to get new programs to run on the M1 mac. This was handled by Rosetta 2 in Big Sur. Rosetta 2 continues this support on Monterey.
- + Nothing definitive from Apple, would assume that Rosetta 2 would continue at least through the next version.

# Requirements:

- + Models supported: (Changes from Big Sur)
  - + iMac (Late 2015 or newer)
  - + iMac Pro (2017 or newer)
  - + MacBook (Early 2016 or newer)
  - + MacBook Pro (Early 2015 or newer)
  - + MacBook Air (Mid 2015 or newer)
  - + Mac mini (Late 2014 or newer)
  - + Mac Pro (Late 2013 or newer)
- + At least 26 GB (44 GB if upgrading from El Capitan or earlier) available Hard drive space

# Requirements (cont'd):

- + Ram requirements probably 4 GB.
  - + Could not find stated Apple Requirements
  - + 3<sup>rd</sup> Party Articles prior to the release of Monterey stated probably 4 GB minimum
  - + My research found that a late 2014 Mac Mini could have been ordered with 4 GB of non upgradeable RAM and Apple did not exclude it in supported list of machines
- + Again more RAM is desirable. If you have only 4 GB of upgradeable RAM, Upgrade!

# Upgrading:

- + A common question is can you upgrade from versions before the last one OS X 11 Big Sur? Yes with a couple of caveats:
  - + Apple says you now must be running at least 10.9 to upgrade (any supported machines shipped with 10.9 or higher)
  - + If you have OS X 10.9 Mavericks, upgrade to OS X 10.11 El Capitan first.

# Upgrading (cont'd):

- + Check to make sure that your software, especially third party software (non Apple) will work in Mac OS 12.x Big Monterey
  - + Check Vendors websites. A good resource is [Http://www.roaringapps.com](http://www.roaringapps.com) Note a downside is that some software has not had user input on them or they don't specify versions.
- + You have not been able to run PPC apps since OSX 10.6
- + Check your printer. May need Vendor driver, Catalina driver, Airprint, Gutenprint, or may not be supported at all.
- + See issue with 32 Bit Apps! Next slide.



# Catalina onward 64 Bit Apps only!:

- + If you were using OSX 10.13.4 High Sierra or OSX 10.14 Mojave you should have seen pop up messages saying the 32 bit app you just launched was not optimized for the Mac and needs to be updated.
- + If you were running OS 10.15 Catalina, none of your 32 Bit apps worked, so presumably you found replacement 64 bit apps.
- + There are third party apps like Go64 that list the 32 bit apps that are on your computer.

# Tips:

- + Have a least one, preferably more Backups before updating!
- + Power off and remove external Hard drives before installation.
  - + Hard drives have been messed up, and external Hard drives could hang up installation process. It happened to me on OSX 10.8
- + It is a big download ~ 12.17+ GB! It will take awhile.
- + The post download installation will take some time too

## Tips (cont'd):

- + Clicking on the Install button will force a restart
- + There might be more restarts:
- + You may see additional updates after you install Monterey.

# Why Upgrade?

- + To Use and enjoy the new features in MacOS 11.x! Have the “latest and greatest!”
- + However I know many have strong opinions on not upgrading
  - + “If its not broken don’t change”
  - + But the issue is the rest of the industry does change and fast
    - + Yes you still can drive a 1950’s car today, but something like a Mac Plus is more like a Roman Ox cart!
  - + TurboTax 2020 will require 10.15 Catalina
  - + Photoshop will require 10.15 Catalina
  - + Microsoft Office 2021 will require 10.14 Mojave
  - + iMovie requires Catalina 10.15.6 or later.

# Why Upgrade? (cont'd)

- + Security
- + Apple is only supplying current updates for the following OS's:
  - + 10.15 Catalina
  - + 11.x Big Sur

# When to Upgrade?

- + Question is hard to answer.
- + Software can't be perfect out of the gate.
  - + If you wait till 12.1 or better 12.2 version a lot of large bugs are fixed
  - + Ideally all third party software vendors would have updates ready to go with the release date of a new Mac OS.
    - + However big vendors can run into issues of bureaucracy etc.
    - + Small vendors ( 1 or few persons) may have too much work to finish on time.
- + But if you have more than one Mac, select one for the upgrade, then evaluate upgrading the rest.

# What's New? - Introduction

## + New:

- + Universal Control
- + Shortcuts
- + Focus
- + Passwords
- + Airplay to Mac

## + Changed

- + Safari
- + Facetime
- + Quicknotes
- + Maps

# New Features- Universal Control

- + While announced at WWDC last June, this feature is a missing feature in Mac OS 12.1 and doesn't appear to be in the next update 12.2.
- + This feature lets you use your Mac Keyboard and Mouse (or Trackpad) between your Mac and iPad or another Mac.
  - + Drag and Drop between Mac
- + Hardware limitations: Will work on MacBook Pro 2016+, Macbook Air 2018+, iMac 2017+, iMac Pro, Mac Mini 2018+ Mac Pro 2019. iPads supported are iPad Pro, iPad Air (3<sup>rd</sup> gen and later), iPad (6<sup>th</sup> gen and later) and iPad mini (5<sup>th</sup> gen and later).



## New Features- Univesal Control (Cont'd)

- + All devices must be signed into iCloud using same Apple ID.
- + Wireless use requires Bluetooth, Wi-Fi and Handoff turned on and be within 30 feet.

# New Features- Shortcuts

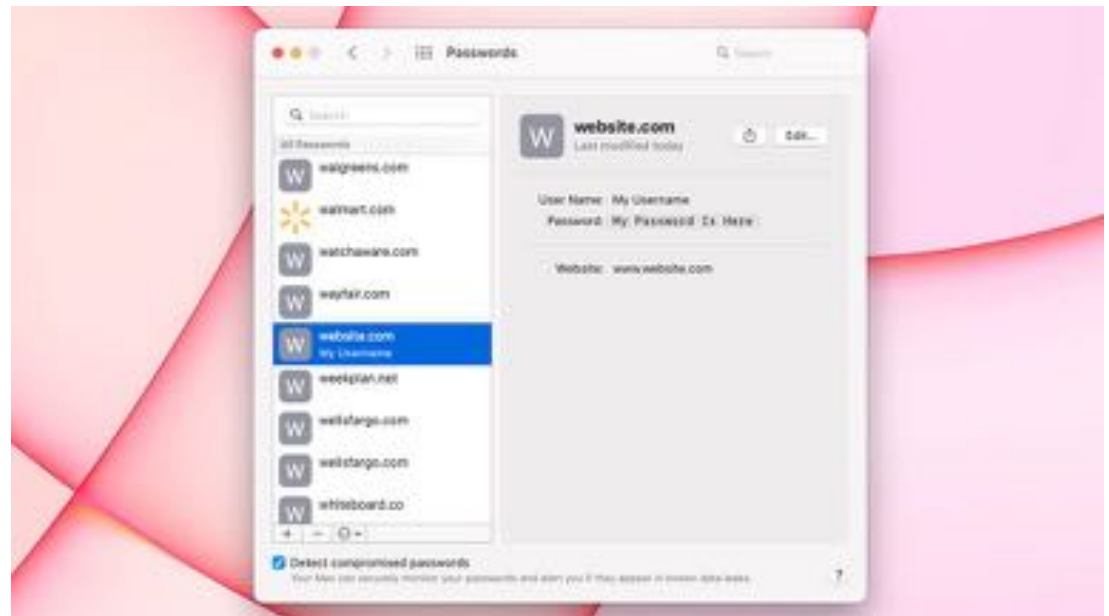
- + A *shortcut* is a quick way to get one or more tasks done with your apps. This is new to the Mac, and will transition away from Automator; although Automator is still supported
  - + Shortcuts can import Automator actions with some limitations.
- + Apple supplies many curated shortcuts in the gallery of the shortcuts app.
- + You can run the shortcuts from the App, Siri, Finder (menu bar item, Quick actions popup, services menu dock, keyboard shortcuts, etc
- + Quick look demo

# New Features- Focus

- + iOS derived feature that greatly expands do not disturb
- + You can now turn on do not disturb when running certain apps or at certain locations
- + You can select certain people or apps that will break though do not disturb
- + Scheduled times from the old version: do not disturb continues
- + Demo

# New Features- Passwords

- + New System preferences item
- + Lets you view and edit login info
- + Not a full password manager replacement
  - + Missing family sharing
  - + Missing Vaults i.e. Work, Home
- + Demo (show where it is only)



# New Features- Airplay to Mac

- + Now airplay to your Mac from iPhones, iPads, other macs.
- + Screenshot:



# Some Application Changes:

## + Safari 15:

- + Tab Groups (I covered this in another presentation)
- + Compact View (briefly mentioned in presentation)
- + Https upgrade will go to secure versions of websites

## + Facetime:

- + Adds Links to join meetings
- + Portrait Mode blurs backgrounds (M1 Macs only)
- + Shareplay: Share videos , Apple Music

# Some Application Changes

- + Quicknotes:
  - + Added to notes app. Cursor at lower right corner will bring up pop up window to add notes, drag text and images
- + Maps 3D globe (M1 Macs Only)
- + Low Power Mode (Laptops)
- + Erase All Contents and Settings (M1 Macs) quickly reset Mac to factory
- + Many other changes, not enough time

# Final Comments

- + Looks to me to be more of a refinement than a Major Update. The most comprehensive review I've found is from Arstechnica.
- + <https://arstechnica.com/gadgets/2021/10/macOS-12-monterey-the-ars-technica-review/>
- + As Apple is still shipping Intel based Macs, I doubt they will drop support of this platform in the near future.



# Appendix:

- + Big Sur Mac OS 11 Requirements:
- + Models Supported
  - + iMac (Late 2014 or newer)
  - + MacBook (Early 2015 or newer)
  - + MacBook Pro (Mid 2013 or newer)
  - + MacBook Air (Mid 2014 or newer)
  - + Mac mini (late 2014 or newer)
  - + Mac Pro (Late 2013 or newer)