Mac OS 13.x Ventura

Introduction:

+ Ventura 13.x is the latest Macintosh operating system from Apple.
    + Previous Systems:
        + OSX 10.7 Lion
        + OSX 10.8 Mountain Lion
        + OS X 10.9 Mavericks
        + OS X 10.10 Yosemite
        + OSX 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
        + Mac OS 12 Monterey

Introduction:

+ Unlike 10.8 and before; THIS ONE IS FREE!

+ Ventura is a major upgrade to the Mac OS; albeit not as much as some in the past. Note that the version number is now 13. The update to Ventura, 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 and Monterey. Rosetta 2 continues this support on Ventura.

+ Nothing definitive from Apple, would assume that Rosetta 2 would continue at least through the next version.

Requirements:

+ Models supported: (Changes from Monterey)
    + iMac (Late 2017 or newer)
    + iMac Pro (2017 or newer)
    + MacBook (2017 or newer)
    + MacBook Pro (2017 or newer)
    + MacBook Air (2018 or newer)
    + Mac mini (2018 or newer)
    + Mac Pro (2019 or newer)
    + Mac Studio 2022

+ At least 37 GB available free Hard drive space (Adam Engst)

Requirements (cont'd):

+ Ram requirements probably 8 GB.

    + Could not find stated Apple Requirements

    + My research found compatible machines shipped with at least 8 GB

+ Again more RAM is desirable. If you have only 8 GB of upgradeable RAM, Upgrade if you are a medium to power user!

Upgrading:

+ A common question is can you upgrade from versions before the last one OS X 12 Monterey? Yes. The earliest system that was shipped with the supported Macs was Mac OS 10.12 Sierra.

Upgrading (cont'd):

+ Check to make sure that your software, especially third party software (non Apple) will work in Mac OS 13.x Ventura

    + Check Vendors websites. You have not been able to run PPC apps since OSX 10.6

+ Check your printer. May need Vendor 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 your found replacement 64 bit apps.

+ There are third party apps like Go64 that list the 32 bit apps that are on your computer.

Tips:

+ **<u>Have a least one, preferably more Backups before updating!</u>**

+ 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 ~ 12.15+ 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 Ventura.

Why Upgrade?

+ To Use and enjoy the new features in MacOS 13.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 2022 will require Mac OS 11 Big Sur or later
    + Photoshop will require Mac OS 11 Big Sur or later
    + iMovie requires Mac OS 11 Big Sur or later
    + Latest iPhone if accessed by the Mac finder will need at least Catalina

Why Upgrade? (cont'd)

+ Security

+ Apple is only supplying current updates for the following OS's:

    + 11.x Big Sur

    + Monterey

When to Upgrade?

+ Question is hard to answer.

+ Software can't be perfect out of the gate.
    + If you wait till 13.1 or better 13.2 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.
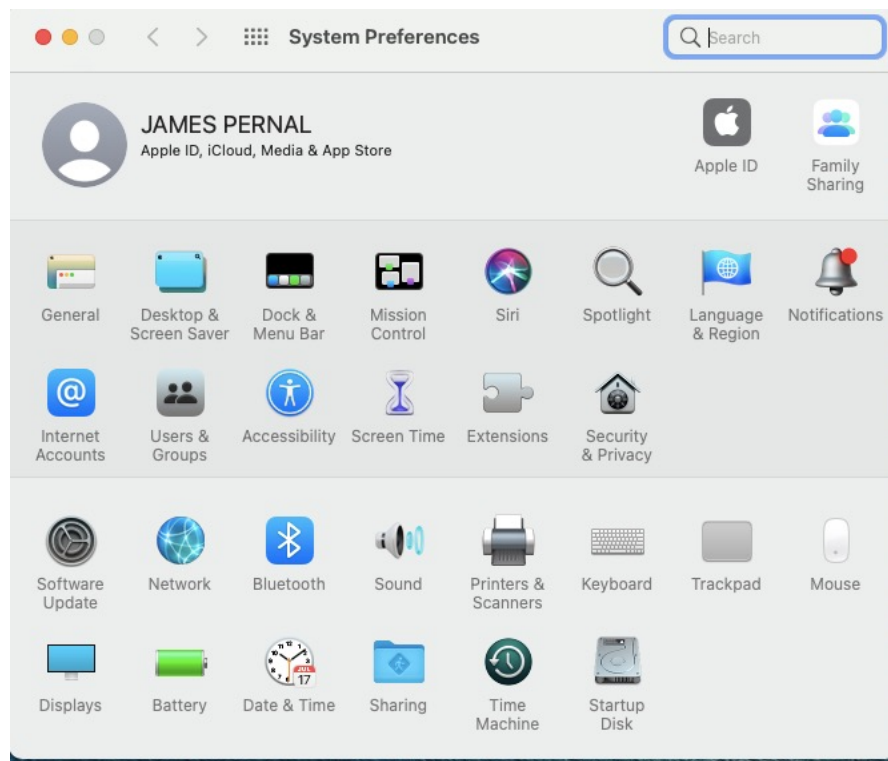
What's New? - Introduction

+ New:
  + System Settings
  + Stage Manager
  + Passkeys
  + Continuity Camera
  + New Supplied Apps: Freeform, Clock, Weather

+ Changed
  + Photos app
  + Mail, Messages
  + iCloud Shared Photo Library
  + Home App

New Features- System Settings

+ System Preferences has had the same look for a long time.

New Features-
System Settings(Cont'd)

+ System Preferences has been replaced with System Settings, an app with that more closely resemble the Settings app on an iPhone or iPad.

+ Checkboxes are replaced by switch icons.

+ Will take a bit of time to relearn

+ Demo

New Features- Stage Manager

+ Stage Manager is new to Mac OS Ventura. It helps manage multiple open files and apps.

+ It supplements but does not replace Mission Control/ Spaces, clicking on open apps in the dock, or CMD Tab for dealing with multiple Apps.

+ Off by default. You can turn it on by the clicking on the Control center icon in the top menubar.

+ Alternatively by choosing System settings in the Apple menu, then Desktop and Dock, then scroll down to Stage manager and turning on the switch. Customizer settings here too.

New Features- Stage Manager(cont'd)

+ Up to six apps in the left side of the screen

+ Click on the apps on the left side to bring that App up front and active on the screen.

+ Drag an app from the left side of the screen to add it to a group of apps in the center of the screen.

+ Ungroup apps by dragging an app to the left side of the screen to remove it from the group.

+ Demo

New Features- Passkeys

+ To quote Apple: Passkeys are a replacement for passwords that are designed to provide websites and apps a passwordless sign-in experience that is both more convenient and more secure. Passkeys are a standard-based technology that, unlike passwords, are resistant to phishing, are always strong, and are designed so that there are no shared secrets. They simplify account registration for apps and websites, are easy to use, and work across all of your Apple devices, and even non-Apple devices within physical proximity.

+ The website or App must support Passkeys. It may take a bit of time for most to offer it. Details on where to turn on passkeys and any authentication to sign up will vary.

New Features- Passkeys (cont'd)

+ Passkeys require an iCloud account and also that Password and Keychain for iCloud be turned on.

+ In order to sign in to a website/app with passkeys you will need either a Mac with touch ID, magic keyboard with touch ID (Apple Silicon macs only. If you don't have that you can use your iPad or iPhone camera to scan a QR code on the mac screen. External security keys (Yubikey etc) are also supported.

New Features- Continuity Camera

+ Use your iPhone as a Webcam and Microphone
  + Great for Monitors/Macs without cameras

+ Requires IOS 16

+ iPhone Models:

• iPhone XR or later
  (All iPhone models introduced in 2018 or later)

• iPhone 11 or later for Center Stage

• iPhone 11 or later (excluding iPhone SE) for Desk View

• iPhone 12 or later for Studio Light

New Built in Apps

+ Freeform: Creative brainstorming and collaboration.
    + Also on iPhone OS and iPad OS
    + Up to 100 Collaborators
    + Works with photos, video, audio, documents, PDFs, links to websites and map location links, sticky notes, shapes, diagrams, and more.

+ Clock: Similar to IOS. World Clock, Timer, Stopwatch, and Alarms

+ Weather: Similar to iPad app. Temps, forecasts, severe weather notifications. Multiple locations.

+ Demos

Some Application Changes:

+ Safari 16:
    + Shared Tab Groups

+ Photos:
    + Find Duplicates
    + Copy Subject

+ Mail: Schedule sending. Undo send (30 seconds)

+ Messages: Ability to edit and undo sending of iMessages to other people running IOS 16, iPad OS 16 or Ventura. (2 min unsend, 15 min edit)

Some Application Changes

+ Home App: Introduces support for the Matter smart home standard.

+ USB-C Cancel or allow: First time plugging in a USB-C device will cause a popup to ask if you want to use that device. (M1/M2 Macs only)

+ iCloud Shared Photo library:
  + In addition to existing shared albums
  + All users (5+host) can edit, add and delete photos

Final Comments

+ Looks to close to being a Major Update. New apps. The most comprehensive review I've found is from Arstechnica.

+ https://arstechnica.com/gadgets/2022/10/macos-13-ventura-the-ars-technica-review/

+ https://arstechnica.com/gadgets/2022/12/new-ios-and-macos-updates-add-encrypted-icloud-backups-and-other-features/

+ Apple is still shipping Intel based Mac Pro model, I doubt they will drop support of this platform in the near future.

Appendix:

+ Monterey Mac OS 12 Requirements:

+ Models Supported
    + 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)