

# AUTOMATA

Technology Services LLC

## macOS Client Management

File System

Advanced Finder Techniques

System Preferences

Networking

Security & Privacy

ScreenTime Restrictions

System Utilities

Scripting

Encryption

File Permissions

User Accounts

Authentication

# Introduction to macOS

## Finder Basics

# Advanced Finder Techniques

For System Admins

# Managing Hidden Directories

Practical Exercise

# System Settings

Customizing macOS

# System Settings

General > Sharing

# System Settings

Network

# System Settings

ScreenTime Restrictions

# System Settings

Accessibility

# macOS Utilities

For System Admins

# Introduction to Scripting

## Basic Terminal Commands

# Software Update

Managing macOS Updates

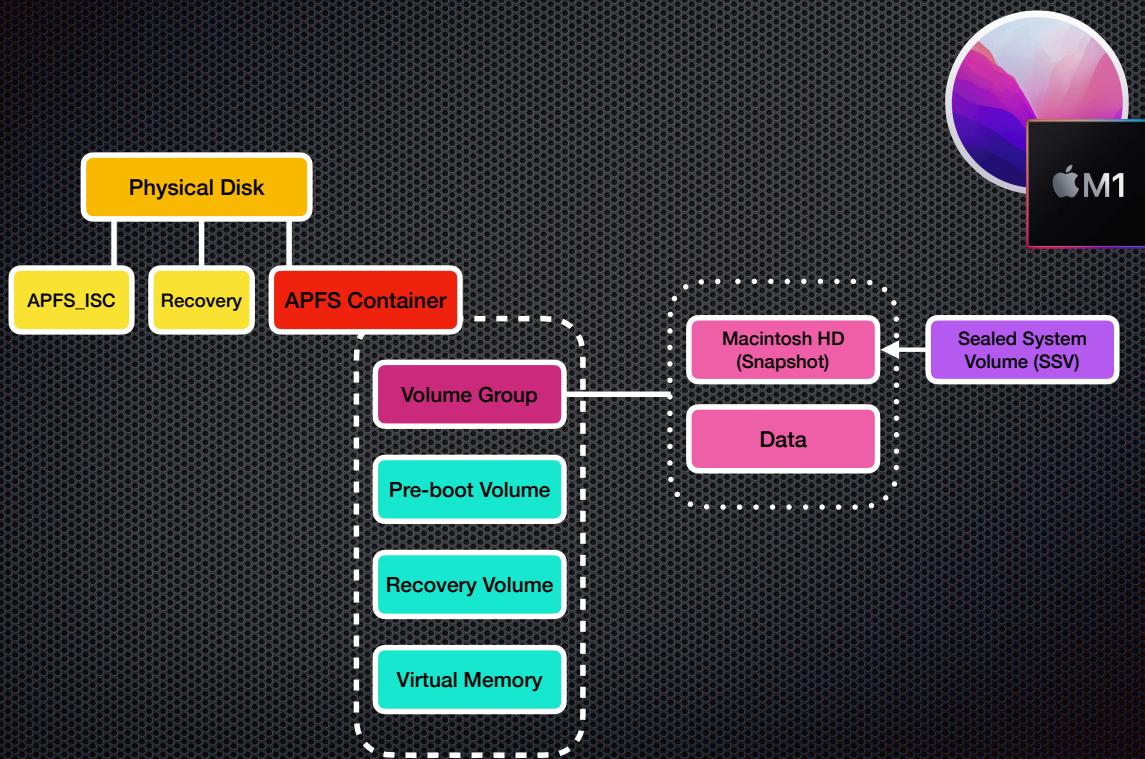
# File System

## Disk Utility & Volumes

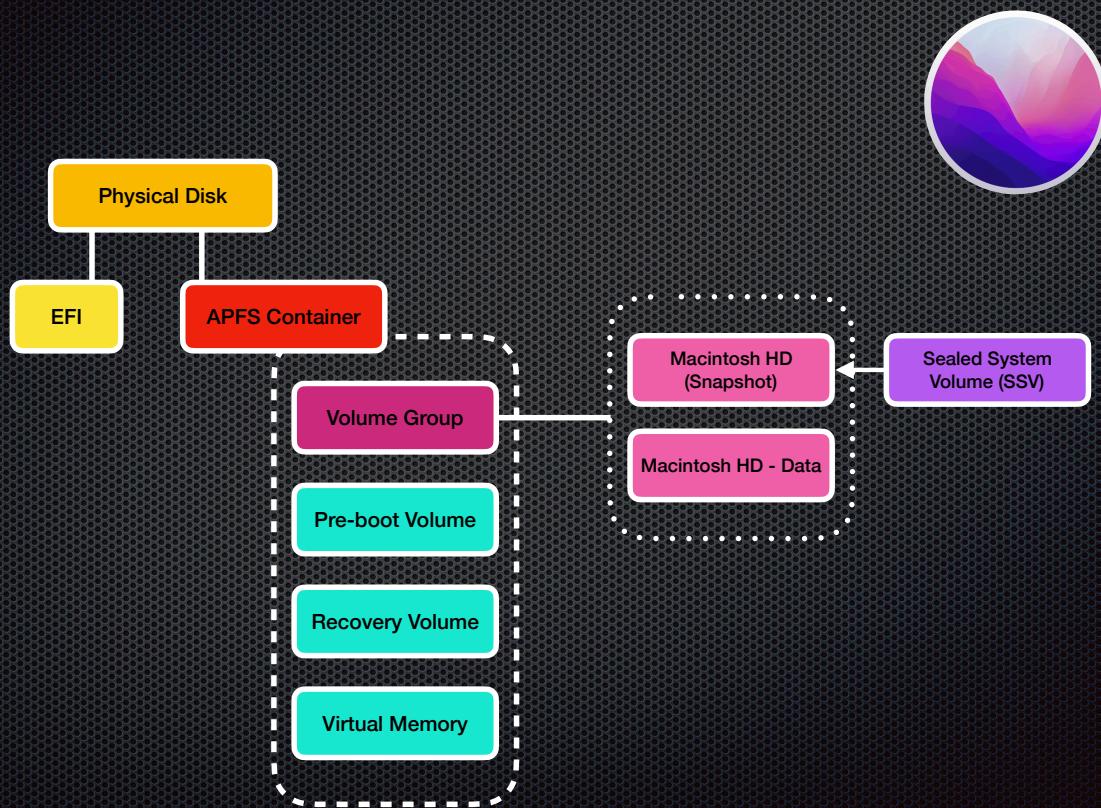
# APFS vs HFS+

- HFS+ is the legacy file system for older Macs prior to macOS Sierra (10.12)
- APFS is the standard file system for current versions of macOS. Modern and integrates support for virtual volumes, snapshots, and encryption.
- APFS specifically designed for Solid State Disk style drives.
- Regardless of format, Apple uses GUID for the Partition Map for bootable macOS Media (USB, Internal Disks, etc).

# macOS Monterey - Apple Silicon



# macOS Monterey - Intel



# Computer Name

## Managing Local and Network Host Names

# Erase All Content & Settings

macOS Erase Assistant

# User Accounts

Managing Local Users

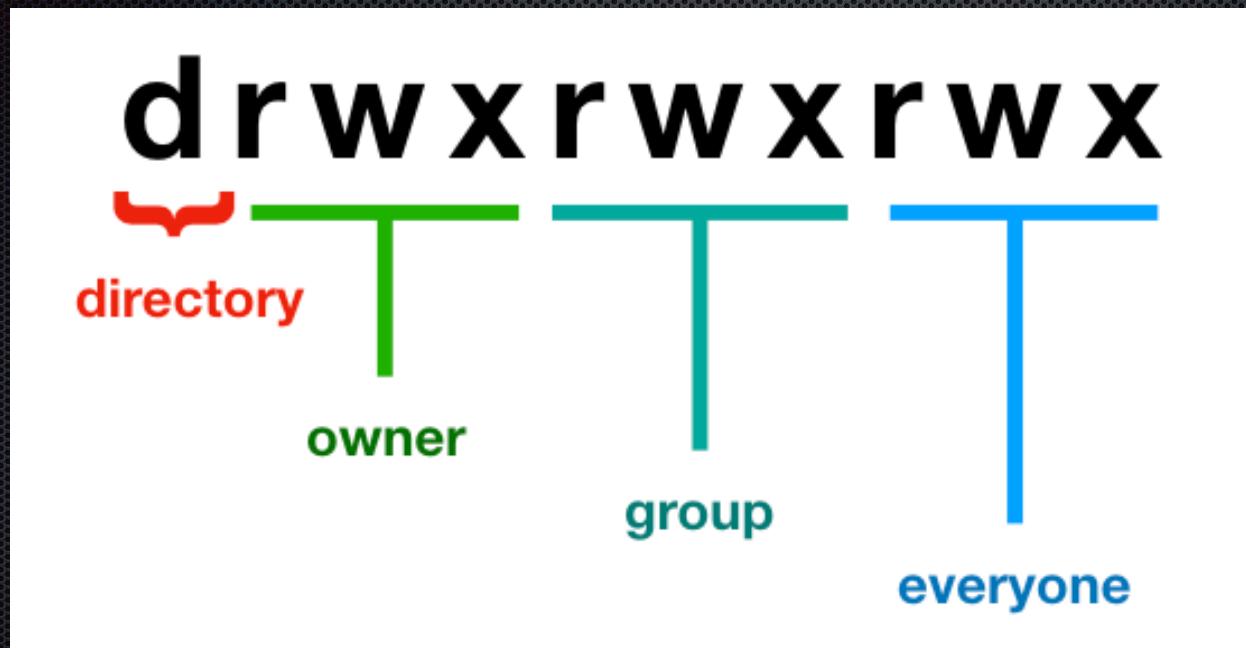
# Background Items

Managing Background Processes

# File Security

Finder File Permissions

# POSIX



# POSIX

Value	Permission	Directory Listing
0	no read, no write, no execute	-
1	no read, no write, execute only	-x
2	no read, write only, no execute	-w-
3	no read, write & execute only	-wx
4	read only, no write, no execute	r-
5	read and execute only, no write	r-x
6	read and write only, no execute	rw-
7	read, write, and execute	rwx

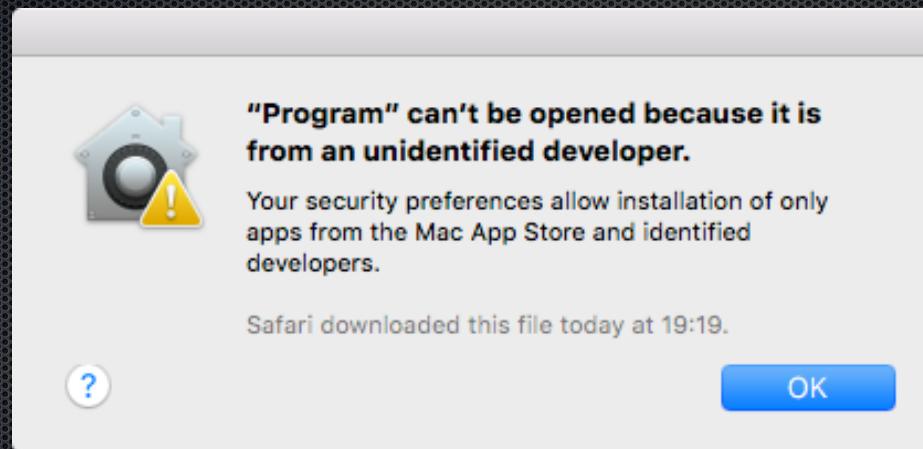
# Security & Encryption

Security & Privacy System Preference

# Gatekeeper

macOS Application Security

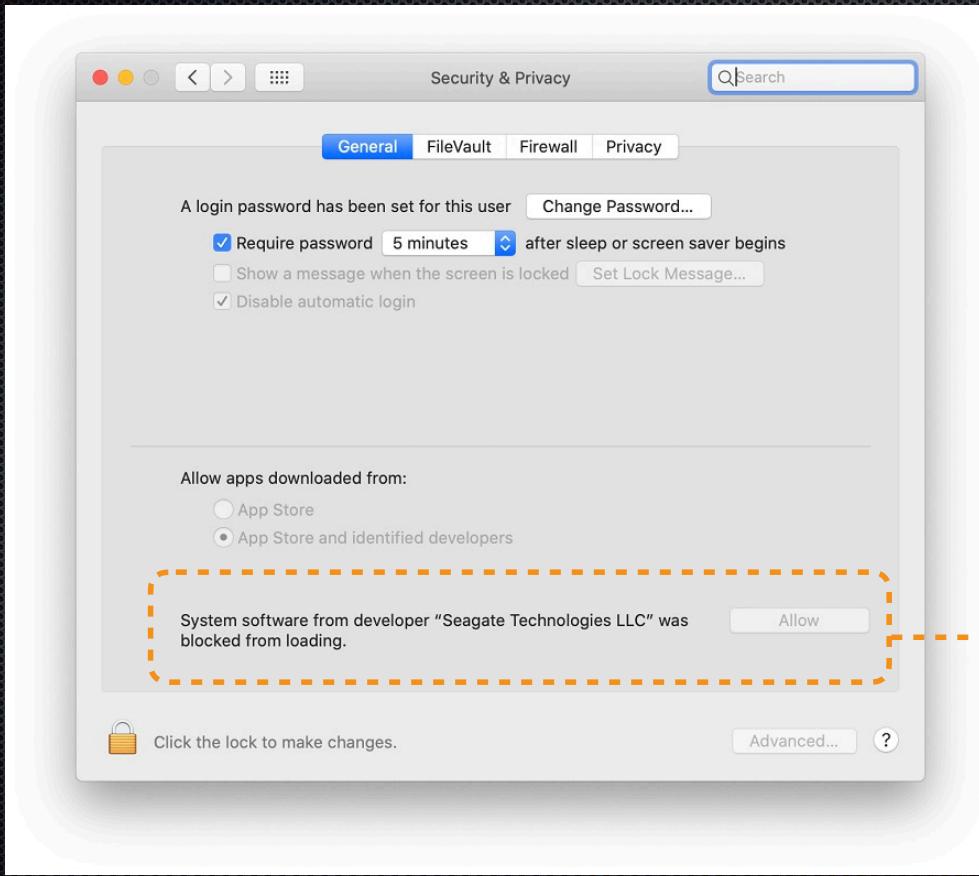
# Gatekeeper



# Security

Kernel Extensions

# Kernel Extensions (kext)



kext prompt example

# Kernel Extension (kext) vs System Extension Compatibility



kexts



system extensions



kexts



system extensions



kexts  
(reduced security req)



kexts NOT recommended!



# Encryption

## FileVault

# Privacy

Transparency, Consent, Control (TCC)

# Network Authentication

Binding to an Active Directory Domain

# Microsoft File & Print Integration

Access Traditional SMB File Shares & Printers