

# AUTOMATA

Technology Services LLC

## iOS Management Basics

iPhone & iPad Hardware

Battery

Storage

Backup

iOS Recovery

Account Management

iOS Security & Privacy

Activation / Activation Lock

iOS Networking

Accessibility

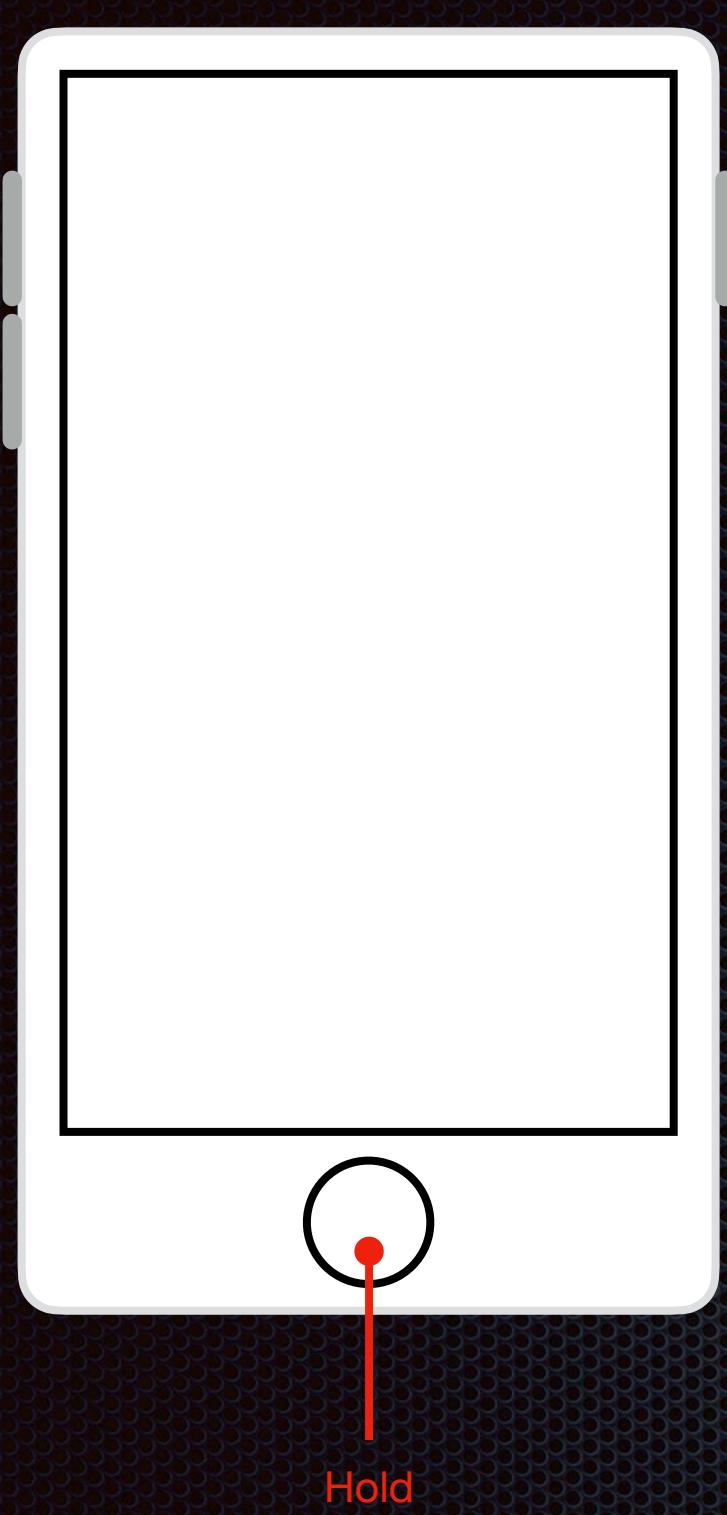
iOS Device Restrictions

ScreenTime

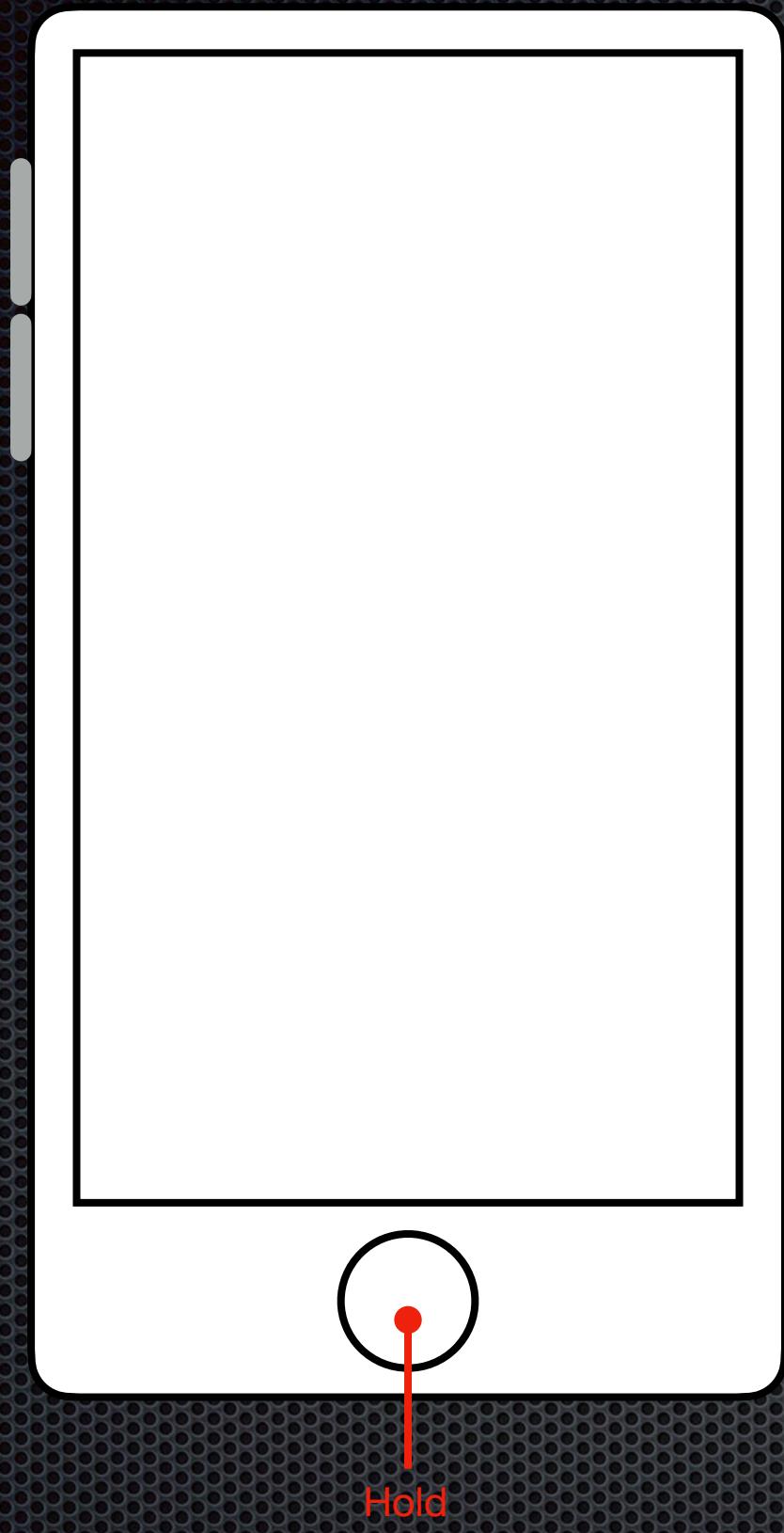
# Hardware & Troubleshooting

iPhone & iPad

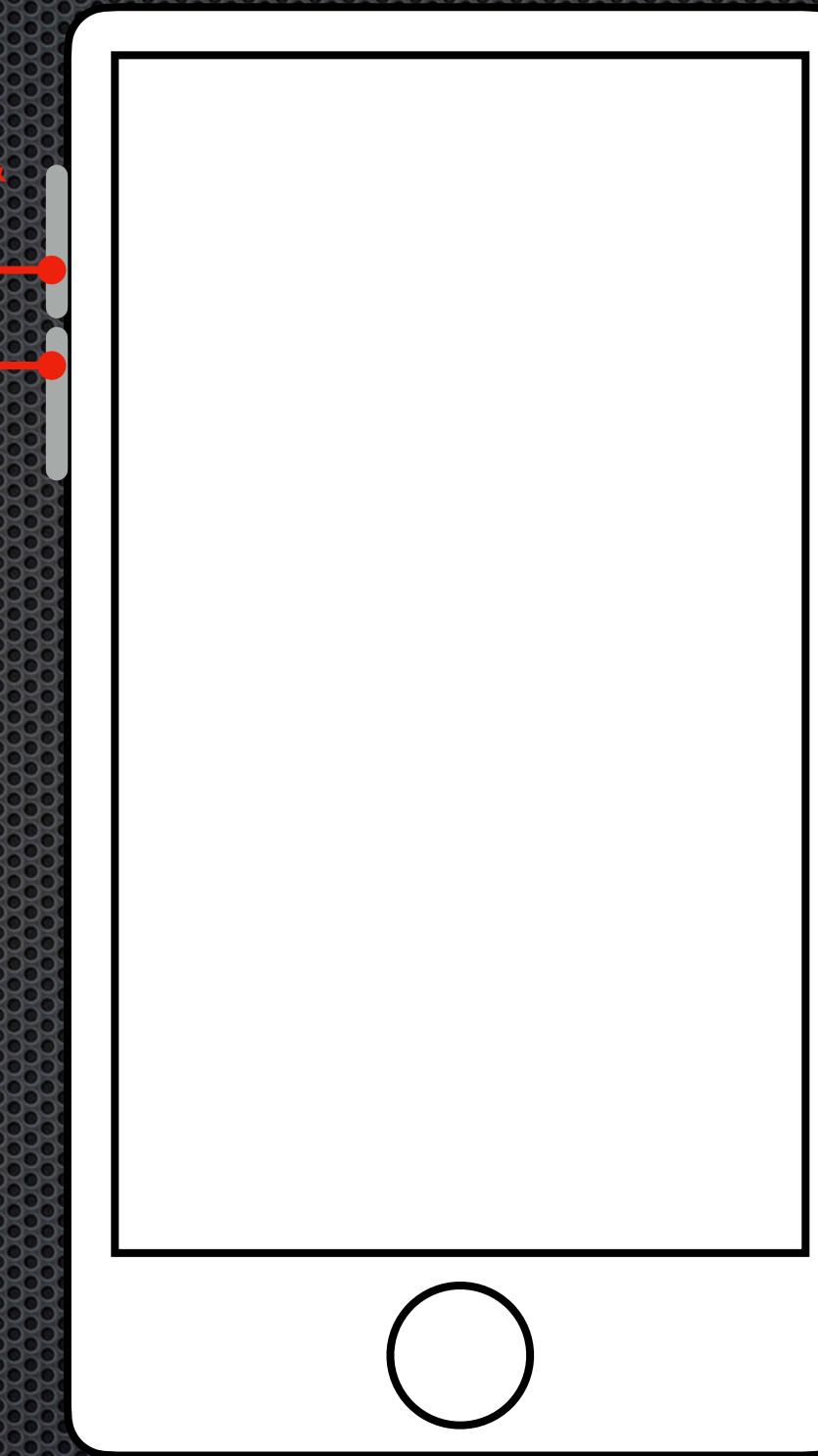
# Forced Restart



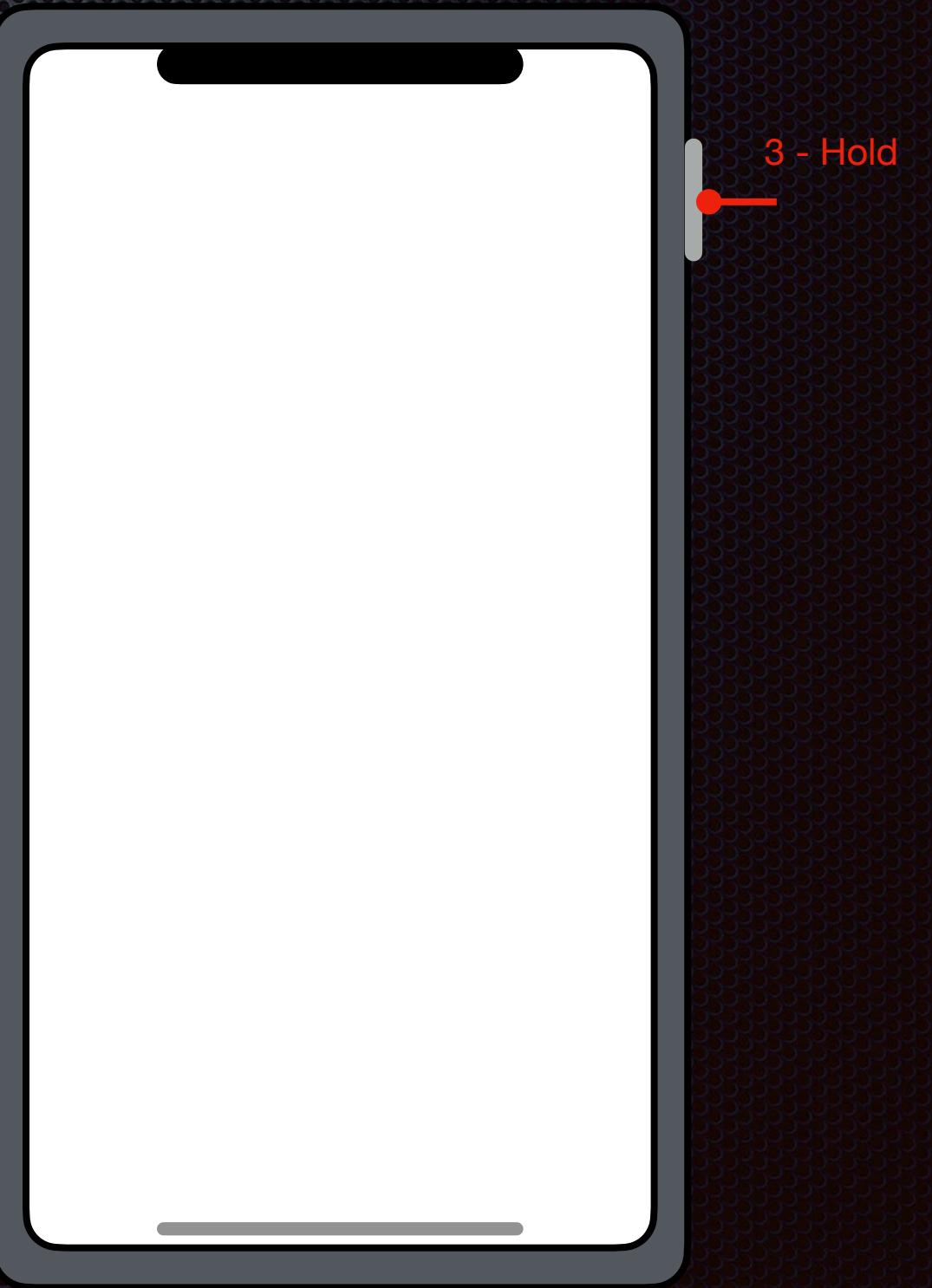
iPhone 6



iPhone 7

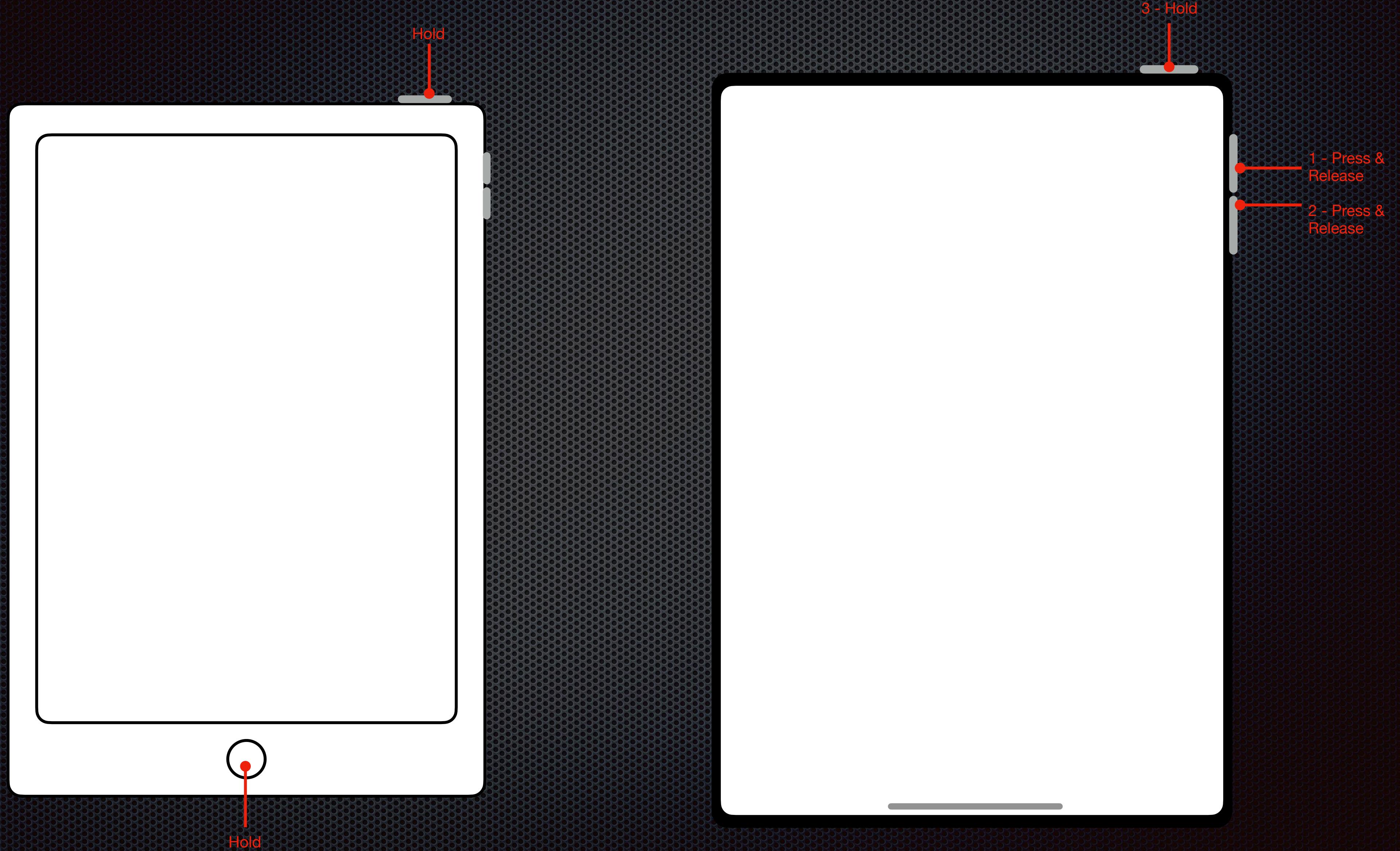


iPhone 8

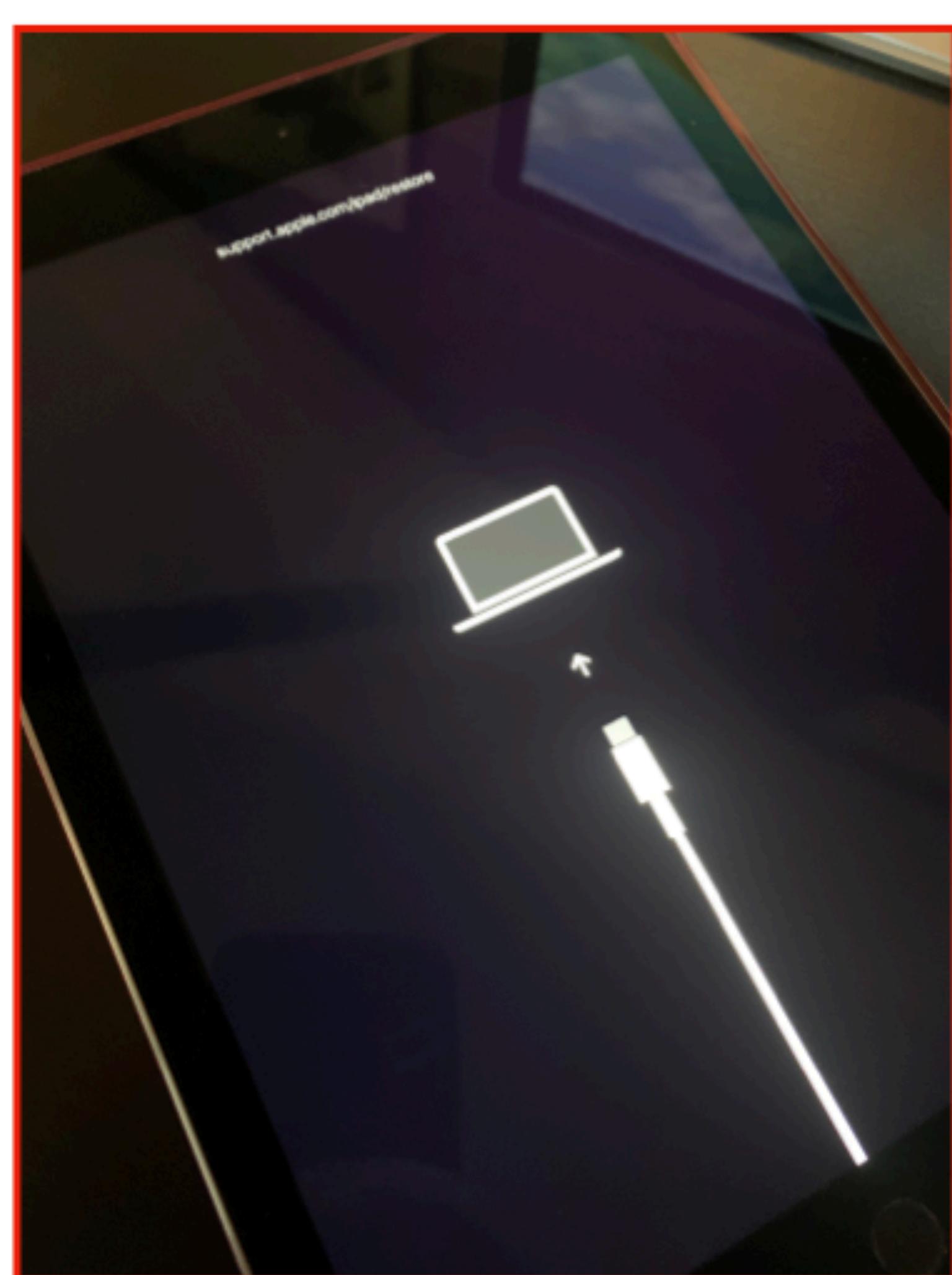
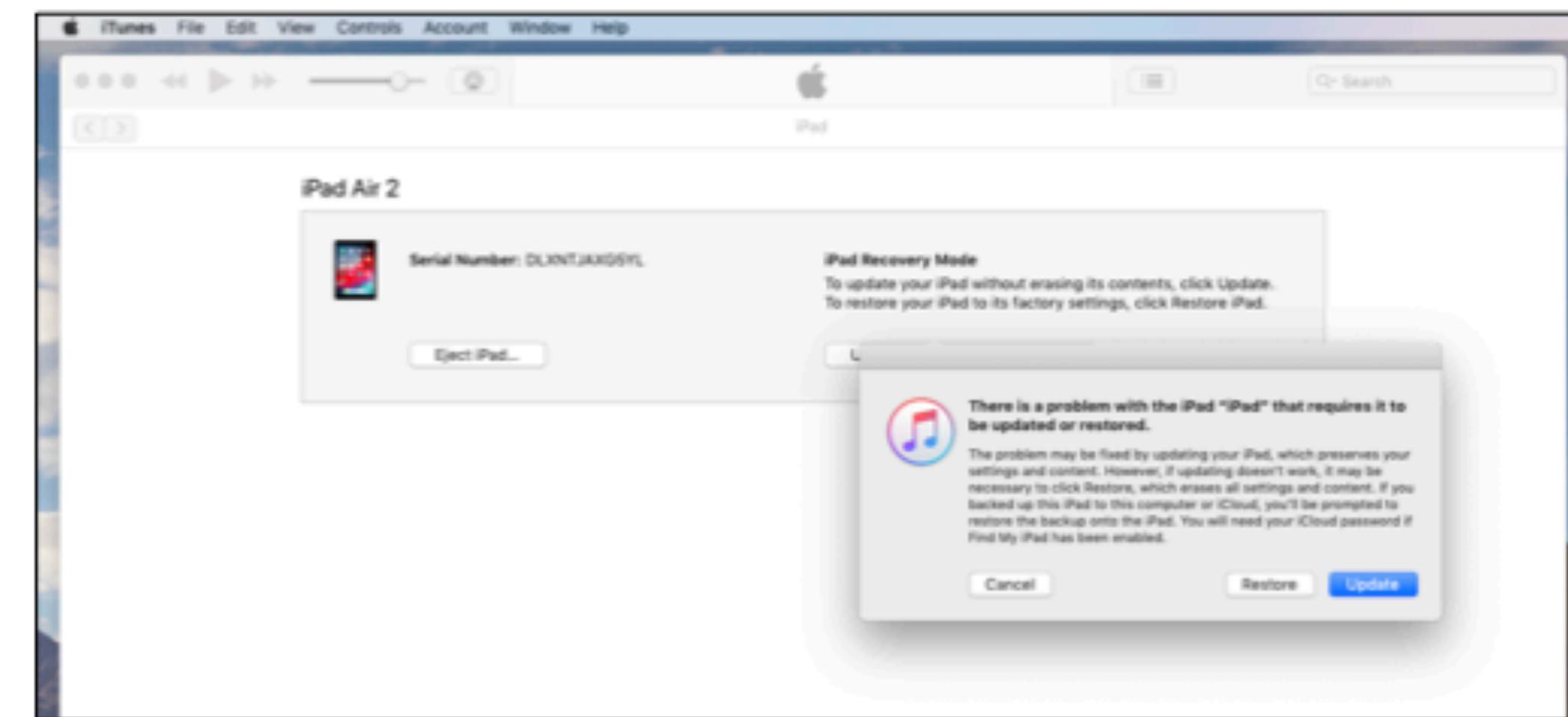
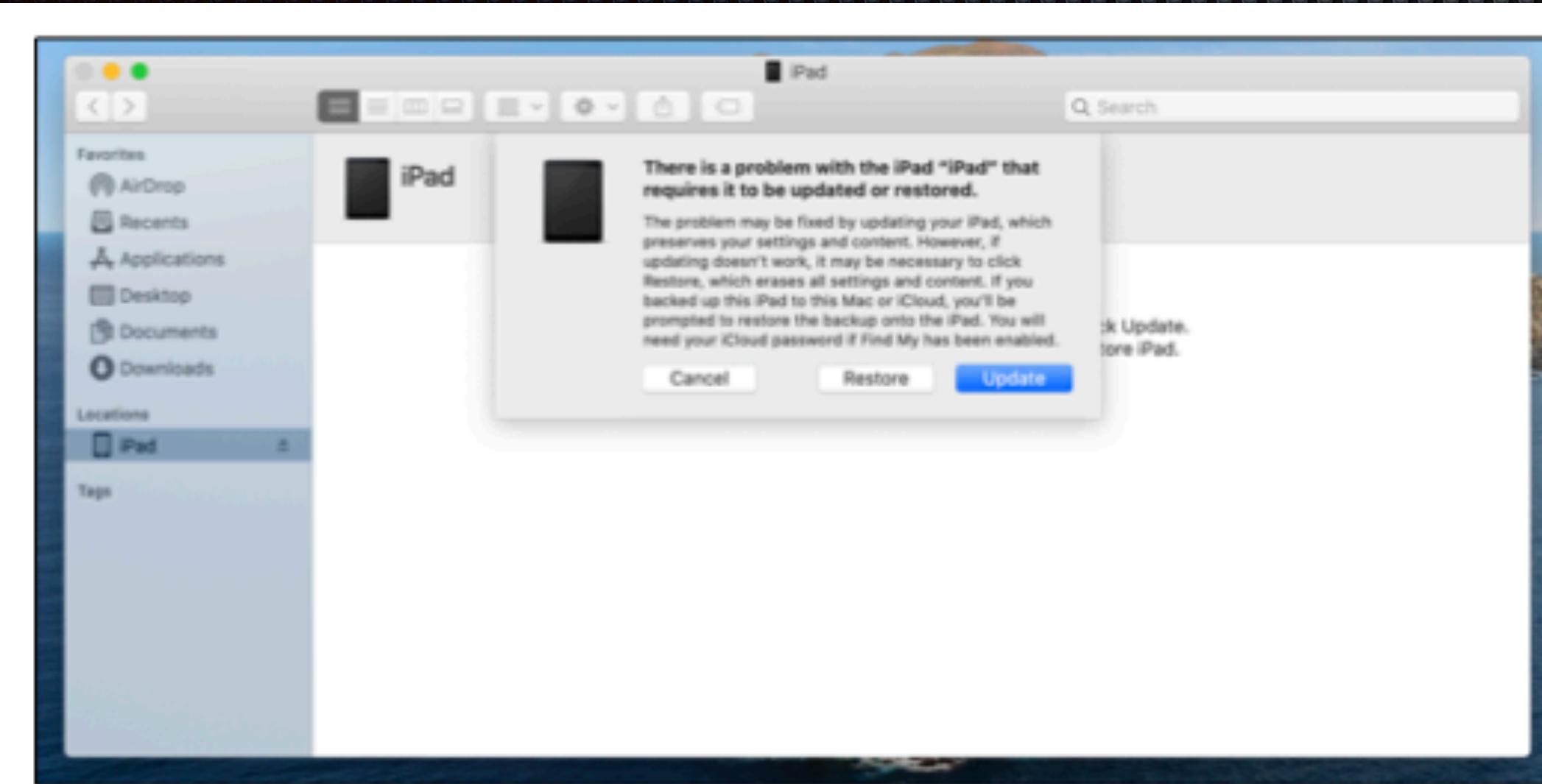


iPhone X

# Forced Restart



# Recovery Mode



# Device Firmware Update Mode (DFU)

- Downgrade Firmware from a newer version (ie: iOS 14 to iOS 12)
- Attempt to repair a corrupted firmware install.
- Attempt to repair a corrupted iOS install.
- Reverse the effects of a jailbroken device.

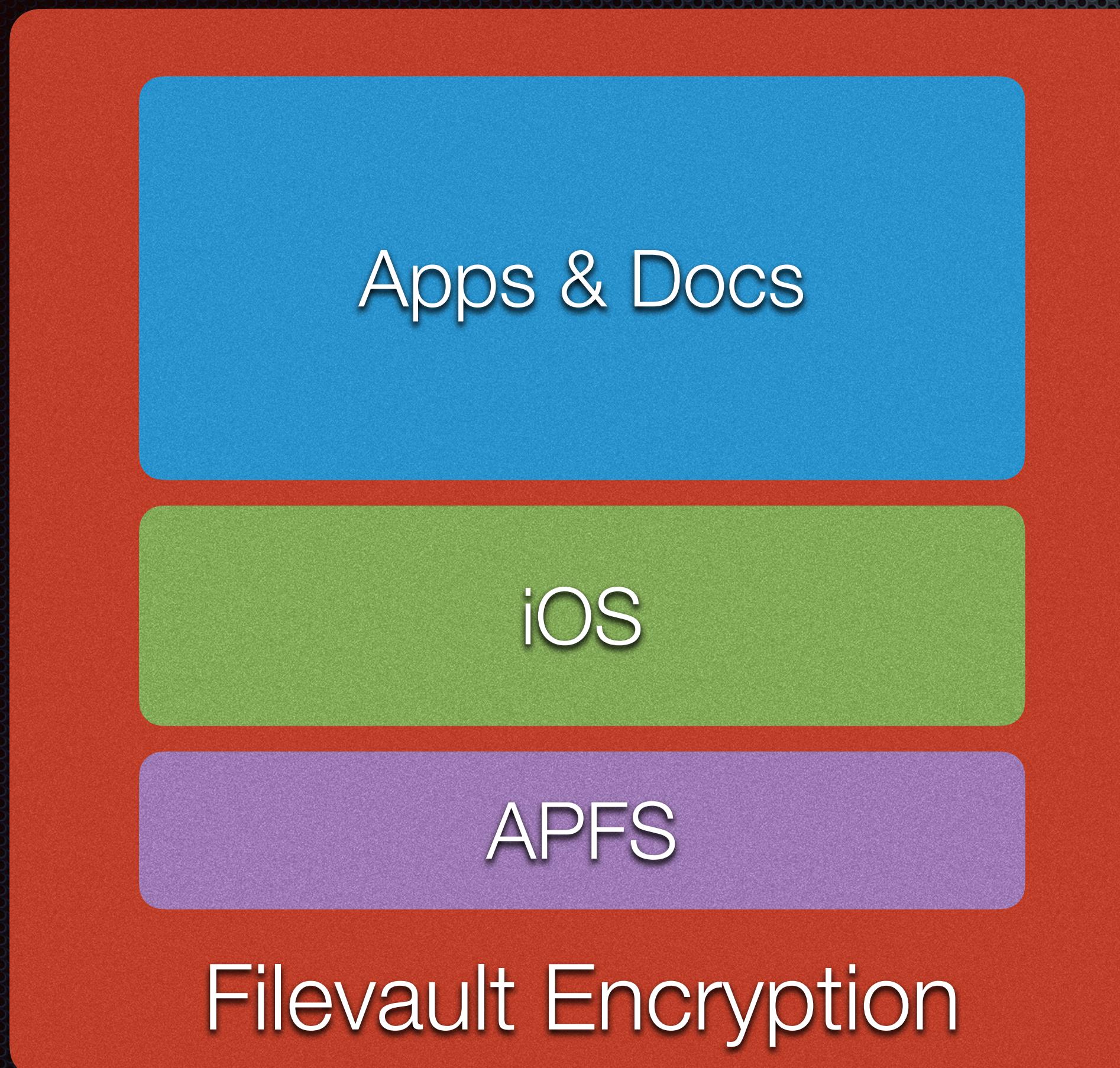
# Hardware & Troubleshooting

Battery

# Hardware & Troubleshooting

## Storage

# Example App (\*.ipa Package)



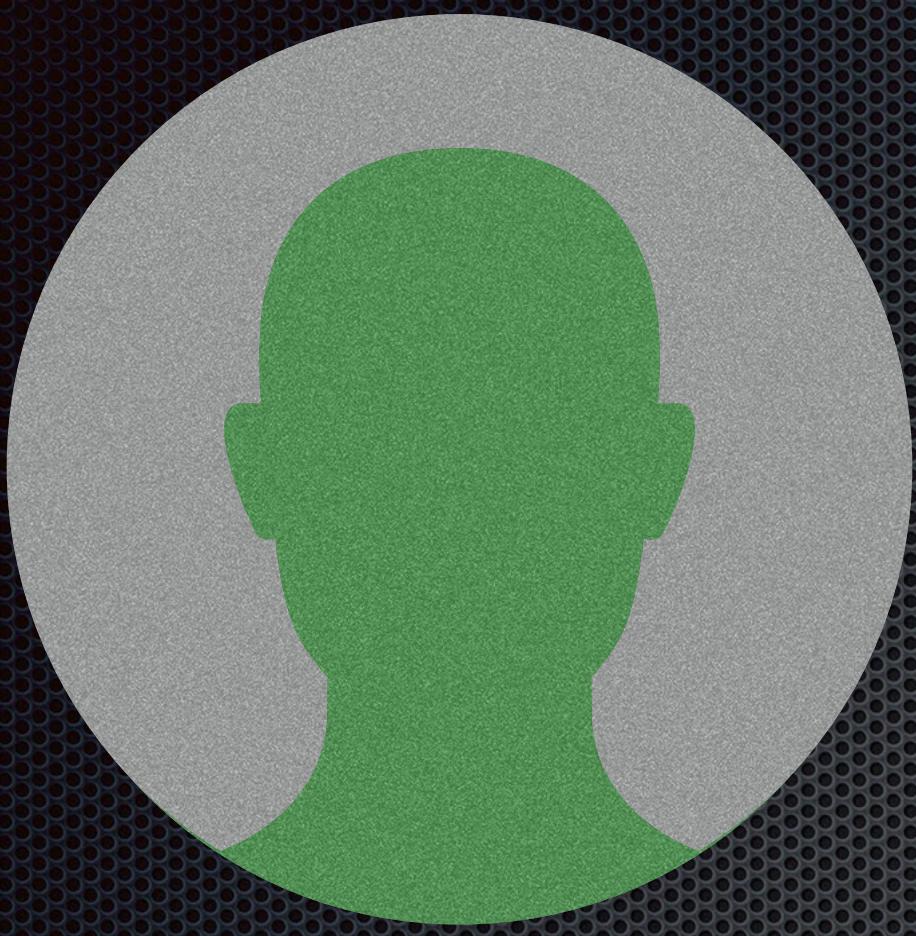
# Hardware & Troubleshooting

## Backup Strategies

iOS

Account Management

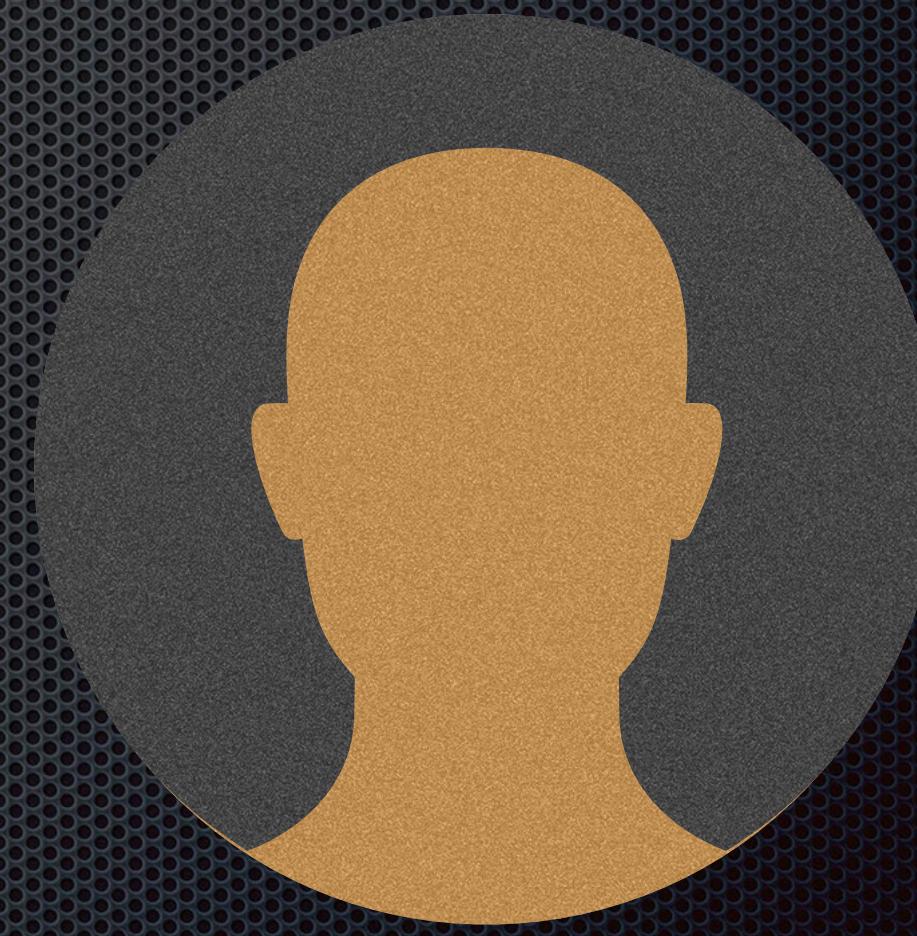
# What's the Difference?



Apple ID (personal)



Managed  
Apple ID



iCloud  
Account

## Organization's ABM

Managed  
Apple ID

Backup

iWork  
Collaboration

iCloud Drive

←----- Google Workspace  
Azure AD



Adult

## Family Sharing



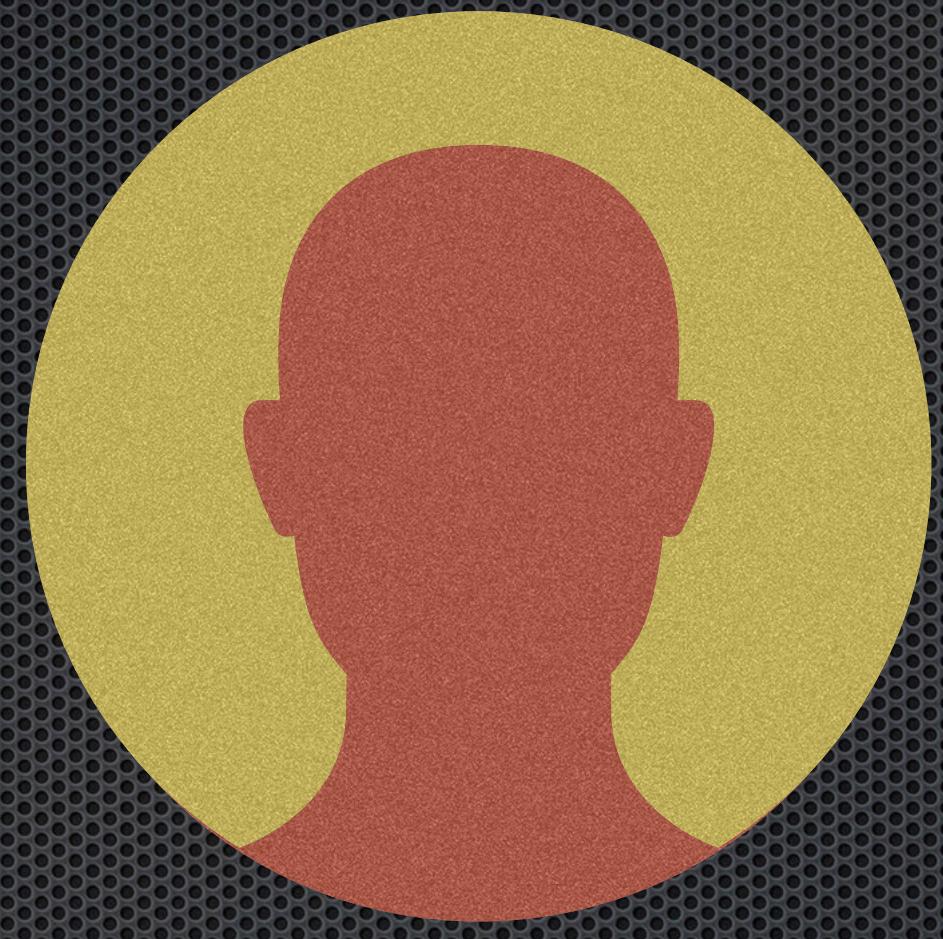
Adult



Child



Child



Shared Apple ID ???

iOS

Recovery (iBoot)

iOS

Security & Privacy

iOS

ScreenTime Restrictions

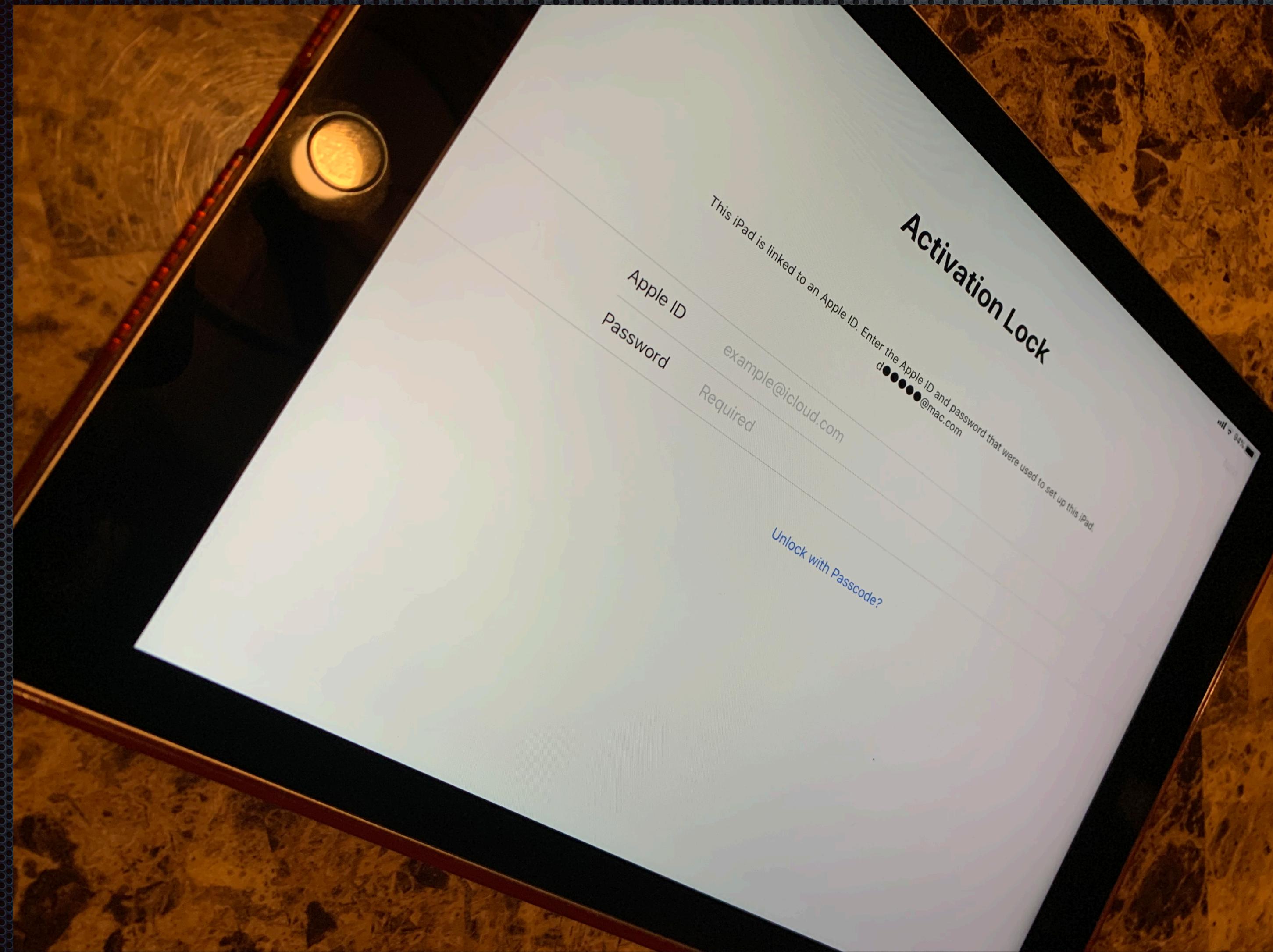
# iOS

## Activation & Activation Lock

# Activation Process

- After an iOS device is restored, reset (all content/settings), or when it is new out of the box.
- After the device connects to the Internet, the activation process begins.
- Communicates with Apple to determine ownership and if iCloud ‘Find My’ is associated with this device.
- If MDM is being used, this is also when the activation request is forwarded to your organization’s MDM server for additional configuration.

# Activation Lock



iOS

Networking

iOS

Accessibility & Guided Access

iOS

Family Sharing - ScreenTime Management

iOS

iPadOS Specific Features

# iPadOS Features

- Apple Pencil
- Trackpad & Mouse
- Sidecar
- Allocation of more memory for desktop-class Apps (M1)
- Stage Manager (M1)
- Shared iPad (Apple School Manager)