



# AUTOMATA

Technology Services LLC

## iOS Management Fundamentals

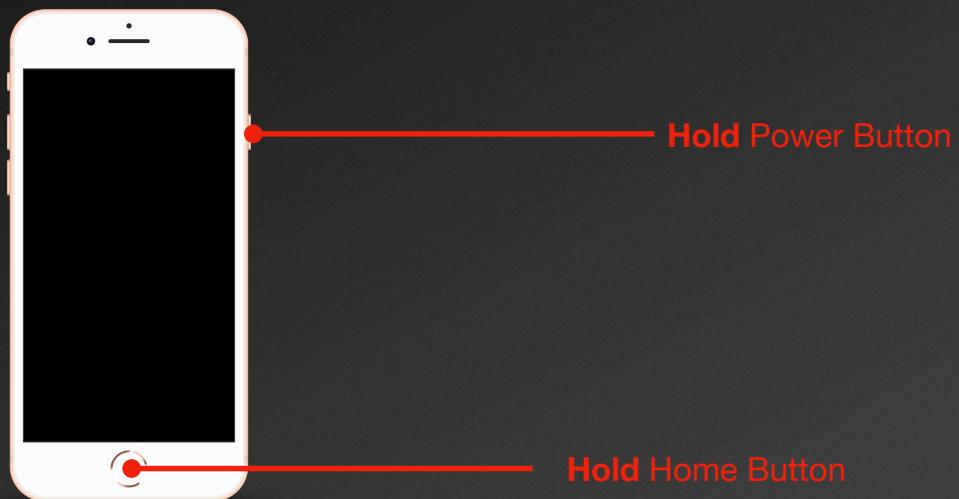
# Introduction to iOS

Practical Exercise

# iOS Hardware & Troubleshooting

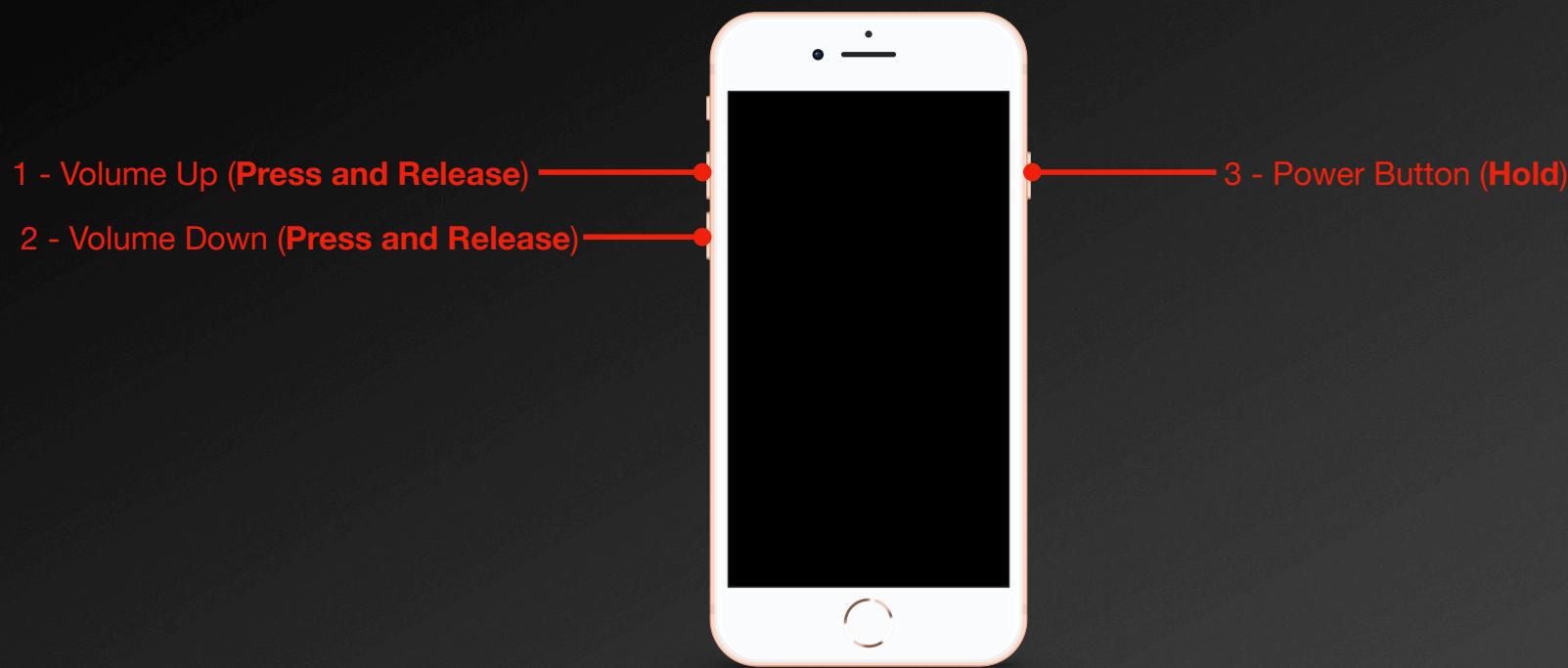
Practical Exercise

# Force Restart



iPhone 7

# Force Restart



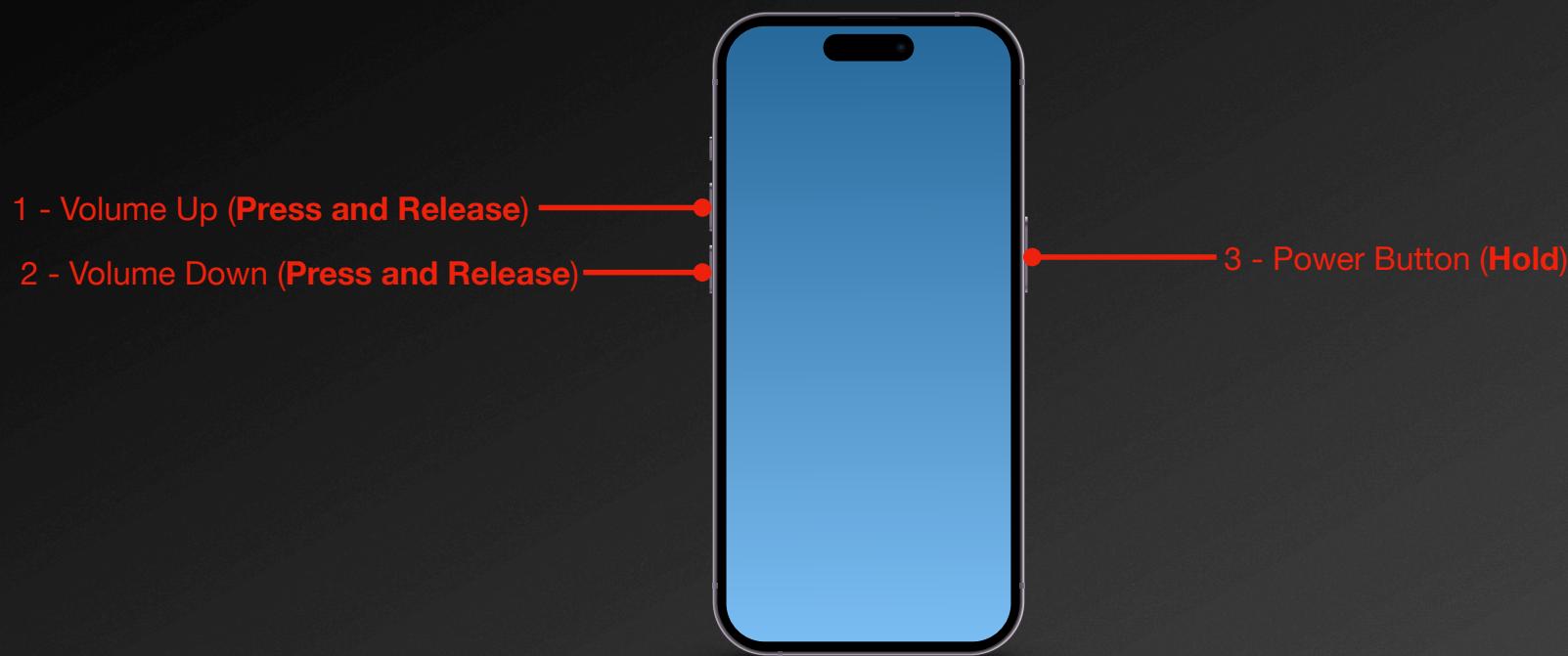
iPhone 8

# Force Restart



iPhone X+

# Force Restart



iPhone 14+

# Force Restart



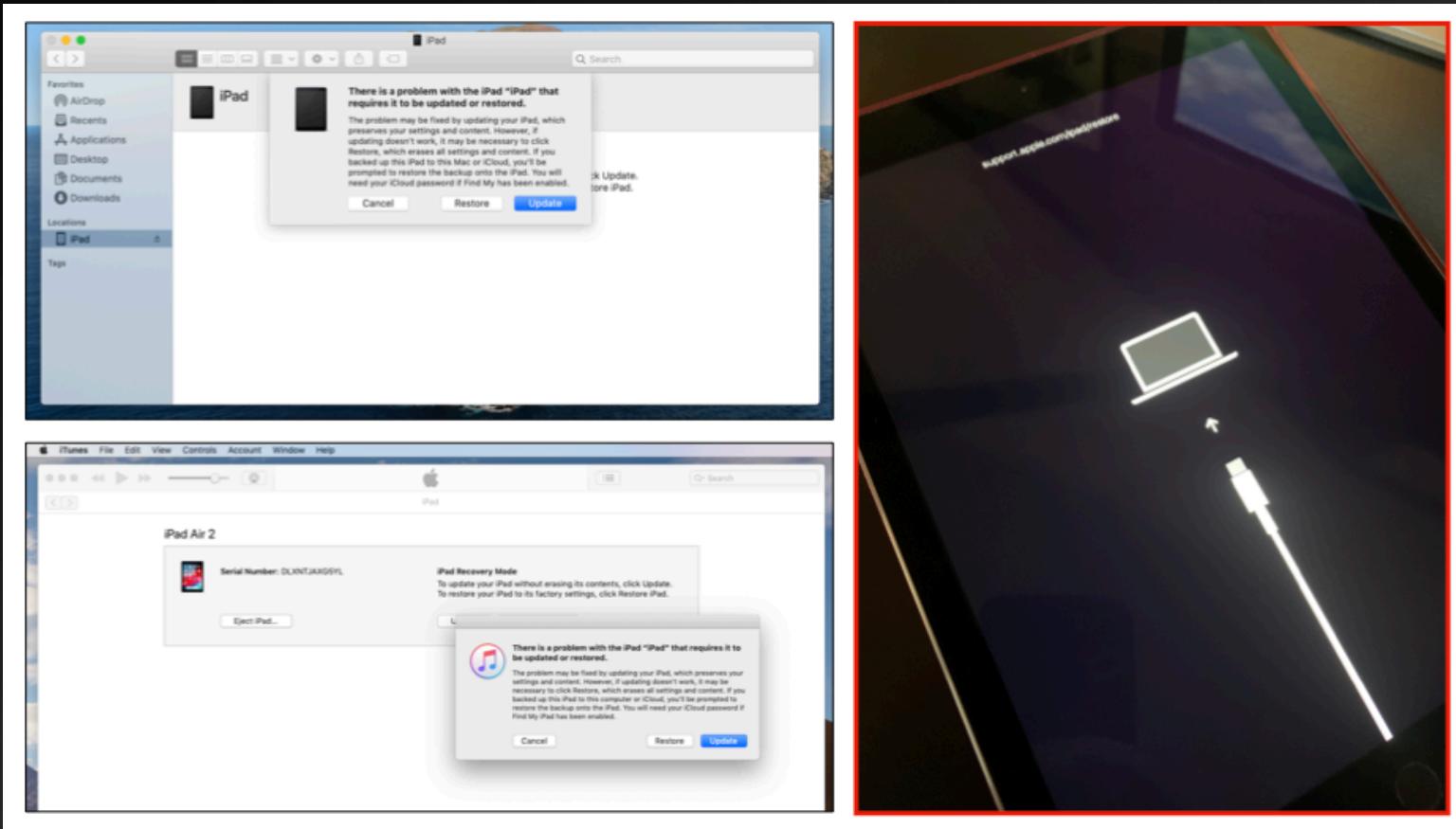
Legacy iPad

# Force Restart



Modern iPad Models (Gen 9+, mini, and Pro)

# Recovery Mode



# Device Firmware Update Mode (DFU)

- Downgrade Firmware from a newer version (ie: iOS 18 to iOS 17)
- Attempt to repair a corrupted firmware install.
- Attempt to repair a corrupted iOS install.
- Reverse the effects of a jailbroken device.

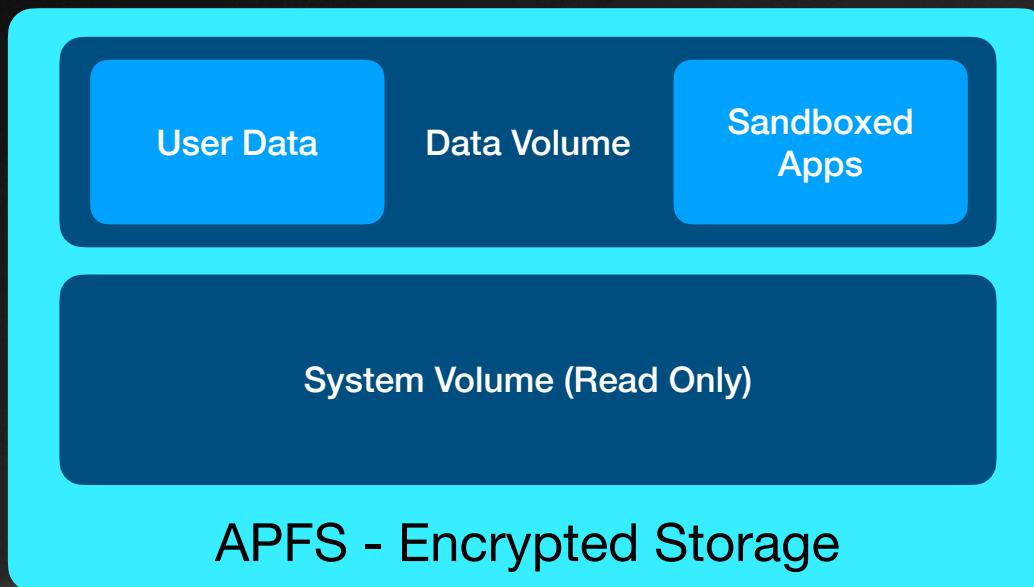
# iOS Battery Management

Practical Exercise

# iOS Storage

Practical Exercise

# File System



# Sandbox App Concept



- **Runtime** - Executable Code (Logic)
- **Resources** - Images, Videos, XML, entitlements, icon(s), etc.
- **Home Directory** - location where each application stores its own documents and preferences.
- *Apps can only access data from other Apps or the OS through specific services provided by iOS.*

# iOS Recovery & Restore

Practical Exercise

# iOS Security & Privacy

Practical Exercise

# iOS Networking

Practical Exercise

# iPadOS Features

Practical Exercise

# iPadOS Features

- Apple Pencil
- Trackpad & Mouse
- Sidecar
- Mac-like Multi-tasking, Multi-windowing, and menu bar.
- Allocation of more RAM for desktop-class Apps (using Apple Silicon M-series)
- Stage Manager (Apple Silicon M-series)
- Shared iPad (Apple Business/School Manager & MDM Required)