

1. Hardware

a. Ports

- i. USB-C**
- ii. USB**
- iii. Thunderbolt**
- iv. Compatibility, Devices**
- v. Port power consumption**

b. Boot process

i. EFI

- 1. Clover**
- 2. Boot Camp**
- 3. Fusion**
- 4. Partitions**
- 5. Clover**

ii. Diagnostics

- 1. Verbose boot**
- 2. Target disk mode**
- 3. Recovery boot**
- 4. Test/Diagnose mode**
- 5. Other Boot options**

iii. Target Disk Mode

- 1. Access Mac media on a non-bootable Mac**

c. Diagnostics Tools

i. Console

- 1. Categories**
- 2. How to read logs**
- 3. How to search logs**
- 4. What information is available**
- 5. Export logs**

ii. Disk Utility

- 1. Partitions**
- 2. Permissions repair**
- 3. Formats**
 - a. Compatibility**
- 4. External drives**

iii. Terminal

- 1. fsck**
- 2. Top**
- 3. Hidden files**
- 4. Screenshots**
 - a. Format**
 - b. Shadow on/off**
 - c. Default location**

- d. Default name
- 5. Custom login message
- 6. Caffeinate
- 7. Other useful commands

2. Software

- a. User Data
 - i. Locations
 - ii. Permissions
 - iii. What to avoid deleting
 - iv. UserID
 - v. FileVault
 - vi. TimeMachine and other backup tools
- b. Applications
 - i. Locations
 - ii. PList locations
 - iii. Troubleshooting applications
 - iv. Installing software
 - v. Uninstalling software
- c. Single User Mode
 - i. When to use
 - ii. How to access
 - iii. What to do
- d. Services
 - i. What services are critical
 - ii. Security
 - 1. FileVault
 - 2. Gatekeeper
 - 3. KeyChain Access
 - a. Local
 - b. iCloud
 - c. New KeyChains
- e. File Systems
 - i. Native
 - ii. Supported
 - iii. Compatibility Limitations