Installing macOS

Objectives:

At the end of this episode, I will be able to:

1. Perform an installation of macOS.
2. Customize disk layouts using the Disk Utility.

> Additional resources used during the episode can be obtained using the download link on the overview episode.

- Installation considerations

  - The macOS installation process is fairly straightforward
  - Boot from the installation media and click next a series of times
  - Installing through the app store is practically automatic
  - There are some customizations available
  - Especially true with a clean install

- Performing a Clean Install of macOS

  1. Boot from installation media

     - Hold *Option* during boot if necessary

  2. Select your preferred language
  3. Choose *Install macOS*

     - *Install macOS* - Perform an installation.

  4. Select *Continue*
  5. Review and accept the EULA by clicking *Agree*
  6. Select a hard drive to install to

     - Note that the installation media may show up also

  7. Select *Install* to complete the installation

- macOS Disk Layout

  - A file system "container" is created
  - Virtual volumes are created to store the OS and user data on one drive
  - Finding information is easier as there is one place to look
  - Upgrades are more simple as files are in their default location
  - Most common type of installation

- Multiple partitions can facilitate several scenarios

  - Running multiple OSes side-by-side (dual-boot)
  - Separating user and system data
  - Restricting file growth
  - Isolating data for easy backup selection
  - Providing for alternate file systems

- Bootcamp

  - Multiple partitions allow for multiple operating systems
  - Bootcamp leverages this to enable macOS and Windows to coexist
  - Separate partitions ensure one OS does not damage the other's files
  - Separate partitions allow for each OS to use their native file system

- Considerations

- Separating user and system data can make it more simple to locate information
- Backups are smaller and faster because you only backup the user data disk
- Can create problems with some software as well as future upgrades

- Installer Log

  - Available in the macOS Installer menu bar