

Archives and Disk Images

Objectives:

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

1. Differentiate between archives and disk images.
2. Create disk images using the Disk Utility.
3. Compress and decompress archives using the macOS finder.

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

- macOS Archive Support

- macOS has native support for zip archives
- Combines multiple files into one file
- Compresses the over-all size of the files
- Typically named *.zip
- Decompression:

1. Double-click on the archive

- Compression:

1. Highlight desired files
2. `Ctrl-Click -> Compress <#> Items`
3. Rename archive file as desired

- Images

- File Images
- Similar to an archive except that compression is not normally performed
- Functions like a virtual hard drive
- Typically named *.dmg
- Like a hard drive, an image file has a set size regardless of how much data is stored inside of it

- A special type of image called a *Sparse Disk* image can be created which will not consume empty space

- Mounting Images

- Disk images must be mounted
- Double-click the image or us Disk Utility

- Creating Images

1. Launch `Disk Utility`
2. Click `New Image`
3. Fill out desired options

- Name
- Size
- Format
- Encryption
- Partitions
- Image format

- Choose sparse disk if desired