Building Installation Media

Objectives:

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

1. Describe how macOS software is distributed.
2. Build a USB installation media for macOS.

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

- Obtaining macOS

  - macOS is pre-installed on all new purchases
  - macOS is available through the Mac App Store as a free download
  - The installer is only visible to OS X 10.8 and higher
  - Download is a little over 5GB

- macOS Physical media

  - Installation media is not provided in a physical form
  - You can create your own physical media from any mac

- Once downloaded, you can create physical media

  - How to create a bootable installer for macOS (https://support.apple.com/en-us/HT201372)

- To create a physical USB installation media:

  1. Download the macOS installer on any machine running OS X 10.8 or higher
  2. Get a USB flash drive or HD with at least 8GB of storage
  3. Format the removable drive using Disk Utility

     - NOTE: All contents will be lost

  4. From the terminal execute:

     - ```
       sudo /Applications/Install\ macOS\ Big\
       Sur.app/Contents/Resources/createinstallmedia --volume /Volumes/Untitled
       ```

- Uses for installation media

  - Install macOS
  - Repair macOS
  - macOS Recovery
  - Troubleshooting

External Resources:

During this episode, you can reference the following external resources for supplementary tools and information:

- How to create a bootable installer for macOS (https://support.apple.com/en-us/HT201372)