Windows 10 deployment with Configuration Manager

**Image Creation**

**Thin**
- Thin image? Yes
  - Collect thin image source files
  - Windows OS
  - Base image (install.wim)
  - Offline servicing (updates, packages)
  - Create thin image deployment task sequence
  - Start
  - In-place upgrade? No
    - No
    - Keep data? No
      - Bare metal
    - Yes
      - New device?
        - Yes
          - Device replace
        - No
          - Device refresh
            - State capture (online: network)
            - Format & partition (MBR2GPT, optional)
            - Install OS
            - Autopilot (optional)
            - Install apps
              - Success? Yes
                - Thin image? No
                  - Bare metal
                  - State restore
                    - Install up-to-date apps & drivers
                    - End
                  - Yes
                    - No
                    - Install apps
                      - Bare metal? No
                        - State restore
                          - Autopilot OOB (optional)
                          - Update apps & drivers
                          - End
                      - Yes
                        - Rollback
                          - Yes
                          - No
                          - Success? No
                            - Rollback
                            - Yes
                            - End
            - Yes
              - Upgrade OS
                - Apply drivers and new apps
                - State capture (online: hard-link)
                - Format & partition (MBR2GPT, optional)
                - Install OS
                - Autopilot (optional)
                - Install apps
                  - Success? Yes
                    - Thin image? No
                      - State restore
                        - Install up-to-date apps & drivers
                        - End
                      - Yes
                        - No
                        - Install apps
                          - Bare metal? No
                            - State restore
                              - Autopilot OOB (optional)
                              - Update apps & drivers
                              - End
                            - Yes
                              - Rollback
                                - Yes
                                - No
                                - Success? No
                                  - Rollback
                                  - Yes
                                  - End
                          - Yes
                            - Rollback
                              - Yes
                              - No
                              - Success? No
                                - Rollback
                                - Yes
                                - End
                  - Yes
                    - No
                    - Rollback
                      - Yes
                      - No
                      - Success? No
                        - Rollback
                        - Yes
                        - End

**Thick**
- Thick image?
  - Collect thick image source files
  - Windows OS
    - Language packs
    - Security patches
    - Applications: individual, role-based, enterprise
  - Offline servicing (updates, packages)
  - Capture reference image
  - Compatibility Check? arch, OS, lang, apps
  - Yes
    - No
  - Upgrade OS
    - Apply drivers and new apps
    - State capture (online: network)
    - Format & partition (MBR2GPT, optional)
    - Install OS
    - Autopilot (optional)
    - Install apps
      - Success? Yes
        - Thick image? No
          - State restore
            - Install up-to-date apps & drivers
            - End
          - Yes
            - No
            - Install apps
              - Bare metal? No
                - State restore
                  - Autopilot OOB (optional)
                  - Update apps & drivers
                  - End
                - Yes
                  - Rollback
                    - Yes
                    - No
                    - Success? No
                      - Rollback
                      - Yes
                      - End
              - Yes
                - Rollback
                  - Yes
                  - No
                  - Success? No
                    - Rollback
                    - Yes
                    - End
      - Yes
        - No
        - Rollback
          - Yes
          - No
          - Success? No
            - Rollback
            - Yes
            - End

**Legend**
- **OOBE**
  - The Windows Out of Box Experience (OOBE) is a series of screens that users see when they turn on a Windows PC for the first time. The OOBE prompts users to input information needed to begin using the device. Administrators can create a unique Autopilot OOBE by configuring an Autopilot profile for a device.

- **MBR2GPT**
  - MBR2GPT.EXE is a tool included with Windows 10 that converts a system disk from the Master Boot Record (MBR) to the GUID Partition Table (GPT) partition style without modifying or deleting data on the disk.

- **Thin image**
  - A thin image is a base image that contains only the operating system plus required updates and packages. Current applications and drivers are typically installed after the device boots for the first time.

- **Thick image**
  - A thick image is an image captured from a reference computer with business applications, drivers, language packs and updates pre-installed. Thick images typically require frequent updating.