Building Task Sequences with SCCM 2012 & MDT

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SCCM Environment

- SCCM
    - Version: 8412
    - Full Version: 5.00.8412.1000
- SQL Server
    - Standard Edition 12.2.5000.0
- MDT
    - Version 6.3.8330.1000
- Windows Server 2012 R2
    - Version 6.2.9200.0

DEPLOYING OPERATING SYSTEMS WITH SCCM\MDT TASK SEQUENCE

Deploying an operation system in SCCM using an MDT task sequence involves Five steps:

1. Importing and attaching drivers to a task sequence

2. Importing and attaching an operating system image to a task sequence

3. Adding a Lan driver to a Boot image and attaching to allow PXE boot.

4. Building an MDT task sequence

5. Deploying the Task Sequence and its components to a collection on the distribution point

Importing Drivers

1. Select the Software Library Work Space "Drivers"
    a. Right Click on Drivers and create a new folder naming it with a unique name representing the diver package you want to import
    b. Right click on the Folder you just created and select import drivers
    c. In the dialog box select import drivers and use browse to navigate to the folder where the drivers are stored with the full UNC path.
    d. Hit next and SCCM will validate the drivers
    e. You can now select all or any drivers you want to import and hit Next
    f. Allocate the drivers to a new or existing Driver Package and hit Next
    g. Do not allocate the divers to a Boot Package and hit Next

h. Review the Summary and hit next the drivers will be imported

Importing an operating system image

2. Select the Software Library Work Space "Operating System Image"
    a. Right Click on Operating System Image and create a new folder naming it with a unique name representing the Operating System Image package you want to import
    b. Right click on the Folder you just created and select "Add Operating System Image"
    c. In the dialog box using browse navigate to the folder where the operating system is stored using the full UNC path and select it.
    d. Hit Next and Review the Summary hit Next and the operating system image will be imported

Adding A Lan Driver to a Boot Image

3. Select the Software Library Work Space "Boot Image"
    a. Right Click on the Boot image(X64) and select properties
    b. Select the "Drivers" tab
    c. Hit the yellow star icon and select the Lan driver you want to attach
    d. Hit Ok and the driver is attached

Building an MDT task sequence

4. Select the Software Library Work Space "Task Sequence"
    a. In the top Left Corner of the System Center Console Select "Create MDT Task Sequence"
    b. Select "Client Task Sequence" and hit Next
    c. Name the Task sequence and hit Next
    d. Select whether you want to join a work group or a domain and enter the organization name
    e. Select the Task Sequence will never be used to capture and image and hit Next
    f. Use Browse to select a Boot Image and hit Next
    g. Use Browse to select a Microsoft Deployment Toolkit Files Package Hit Next
    h. Use Browse to select an existing OS image and hit next
    i. Select Perform a "Zero Touch Installation" and hit next
    j. Use Browse to select a ConfigMgr client package and hit next
    k. Use Browse to select a USMT package and hit next
    l. Use Browse to select a Settings package and hit next
    m. Select "No Sysprep is required" and hit Next
    n. Review Summary and hit next and the Task Sequence will be created

Deploying a Task Sequence and its Components

5. For the:
    a. Driver Package
    b. Operating System Image
    c. Boot Image
    d. Task Sequence
        i. Right Click on the item and select Deploy
            1. Using Browse select the collection you want to deploy to and hit OK
            2. Select Purpose as "Available" and Make Available as "Only Media and PXE"
            3. Leave the schedule as default and hit Next
            4. Leave the User experience as default and hit next
            5. Select Download locally when needed by the task sequence
            6. Review summary and hit next and the item is deployed
            7. Confirm the item has been deployed by going to:
                a. Monitoring\DeploymentStatus\ContentStatus and the components of the task sequence will be listed with a legend showing the status of the deployment