

System Center Operating System Deployment

The Basics

OSD

What is an Operating System Deployment?

- Allows you to create operating system images and deploy those images to computers.

The Benefits

What are the benefits of using SCCM for O/S deployment?

- Saves time and effort – One touch installation
- Eliminate human error - No human interaction
- Backup Data – Fully automated

OSD terminology you will need to understand for this lecture.

- WIM file - A WIM file allows a single disk image to be deployed to multiple computer platforms. You can manage drivers, updates, they can be made bootable and one WIM file can contain multiple disk images.
- Operating System Image – a WIM file
- A Boot Image in configuration manager is a winPE image that is used during an operating system deployment. Boot images are used to start a computer into WinPE, which is a minimal operating system with limited components.
- Distribution Point – A site system role that contains source files for clients to download.
- Command Support – When WinPE is booted press F8, and this will open a Command prompt, to enable access to local log files to assist in troubleshooting problems.
- Task Sequence - Performs multiple steps or tasks on a client computer without requiring user intervention.
- Software Updates – Fixes, drivers, features and security related releases that can be added to an image for deployment
- Package – A Configuration Manager object that contains the content files and instructions for distributing programs, software updates, boot images, O/S images and drivers to CM clients.
- PXE boot – Pre-boot execution environment, enables a client to boot software retrieved from the network.
- Windows Deployment Services – For OSD, WDS must be installed but not configured
- Unknown Computers – An unknown computer is a computer that is not managed by Configuration Manager
- Device Affinity – This setting associates users with the destination computer.

- Smsts.log file – The smsts.log is a task sequence log file, we can check this log file if we have problems with our task sequence. It is located on the client in
C:\windows\temp\smstslog\smsts.log