

Deploy Windows 10 in an enterprise: Clean installation

What IT professionals need to know to successfully deploy Windows 10 in their enterprise environments.

This topic is 4 of 6 in a series



Why choose clean installation

To deploy to a significant number of devices in a short period of time

To move between an x86 and an x64 architecture

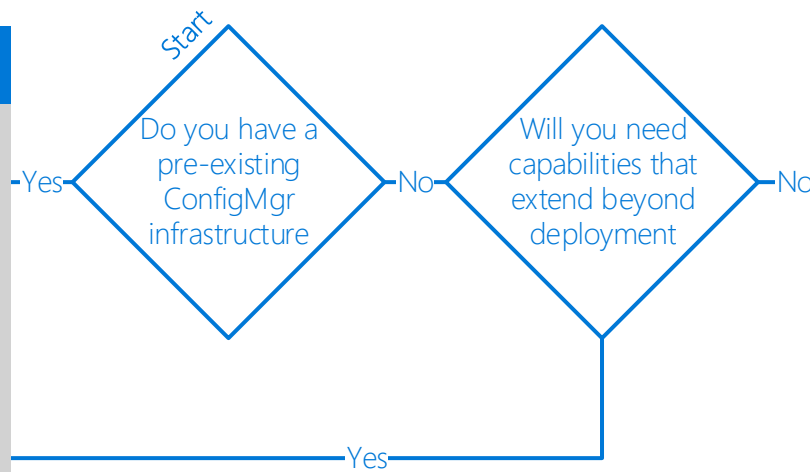
When in-place upgrade isn't possible

System Center Configuration Manager Deployment

Deploy and configure Windows operating systems and Windows applications.

Requirements:

- Windows ADK for Windows 10
- Latest version of Configuration Manager
- Windows Server Update Services (WSUS)
- Internet Information Services (IIS)
- Dynamic Host Configuration Protocol (DHCP)



MDT Deployment

Deploy pre-configured desktop or server operating systems.

Requirements:

- Windows 7 (or above) client or Windows Server 2008 R2 (or above) server
- Windows Assessment and Deployment Kit (ADK) for Windows 10
- Windows PowerShell
- .Net Framework

Setup ConfigMgr infrastructure: ConfigMgr Server, Database, WSUS, IIS, DHCP

- Add applications and drivers to deploy with the image
- Create a deployment task sequence

Deploy a clean installation of Windows 10 through Network (PXE) Boot

Install Windows ADK for MDT

- Create a deployment share
- Add a custom image

- Add applications
- Create the driver repository
- Create the deployment task sequence

ConfigMgr points of consideration

- Relatively high infrastructure requirements
- Scalable for large environments
- Multiple roles and capabilities allow for a higher degree of control
- Initial setup and configuration takes a substantial amount of time

Visit aka.ms/ConfigMgrDeploy for additional information.

Key points

- MDT is required to create the custom image
- ConfigMgr offers more capabilities at an additional infrastructure and management cost
- MDT is simpler, but is focused strictly on the OS deployment process

MDT points of consideration

- Low infrastructure requirements
- Hard to manage at a large scale
- Capabilities limited to OS deployment
- Relatively short time to first deployment
- Some MDT configuration will be required either way

Visit aka.ms/MDTdeploy for additional information.