Deploy Windows 10 in an enterprise: In-place upgrade

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

Why choose In-place upgrade

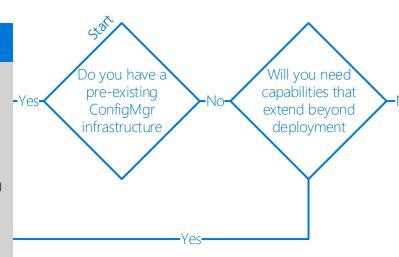| To keep existing applications and data	When you don't plan to significantly change the device or OS configuration	To migrate from one Windows 10 release to another

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System Center Configuration Manager Deployment

Deploy and configure Windows operating systems and Windows applications.

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

Start → Do you have a pre-existing ConfigMgr infrastructure — Yes →

Will you need capabilities that extend beyond deployment — No → MDT Deployment

Do you have a pre-existing ConfigMgr infrastructure — No → Will you need capabilities that extend beyond deployment — Yes → (ConfigMgr)

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

Not available for this scenario
- Changing between Windows x86 and x64
- Systems using Windows To Go or Boot from VHD
- Dual boot and multi-boot systems

Install Windows ADK for MDT

- Create an OS upgrade package
- Create an upgrade task sequence
- Deploy the Windows 10 in-place upgrade

- Create a deployment share
- Add Windows 10 setup files and applications
- Create an upgrade task sequence

Start the Windows 10 in-place upgrade task

Deploy the Windows 10 in-place upgrade

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/ConfigMgrInplace for additional information.

Key points
- 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

Visit aka.ms/MDTinplace for additional information.