Filename: microsoft-ms101-4-2-3-plan-appropriate-win10-enterprise-deployment-method-in-place-upgrade-sccm
ShowName: Microsoft 365 Mobility and Security
SubTitle: Exam MS-101
Topic: Plan Windows 10 Deployment
EpisodeName: Plan Appropriate Win10 Enterprise Deployment Method - In-Place Upgrade SCCM
Description: Adam and Wes discuss what you need to know to successfully plan
for the appropriate Windows 10 enterprise deployment method using SCCM to
perform an in-place upgrade.

Plan Appropriate Win10 Enterprise Deployment Method - In-Place Upgrade SCCM

Implement Modern Device Services (30-35%)

Plan Windows 10 Deployment
• Plan for Windows as a Service (WaaS)
• Plan the Appropriate Windows 10 Enterprise Deployment Method
• Analyze Upgrade Readiness for Windows 10
• Evaluate & Deploy Additional Windows 10 Enterprise Security Features

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Plan Appropriate Win10 Enterprise Deployment Method - In-Place Upgrade SCCM

Start Here:

1. In-place upgrade for Win10 using SCCM

   a. Download a copy of Windows 10 installation media

   b. Extract OS files from the ISO to prepare for creating the OS upgrade package
   that SCCM requires as it executes the upgrade task sequence; SCCM executes the
   setup.exe file from the media along with a series of command line options that
   tell it how to carry out the upgrade.

Windows Setup Command-Line Options:
https://docs.microsoft.com/en-us/windows-hardware/manufacture/desktop/windows-setup-command-line-options

Task Sequence Groups to know:

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• Prepare for Upgrade - steps that run in the CURRENT OS

• Upgrade the OS - steps that trigger the in-place upgrade; the Upgrade OS &
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Restart Computer steps are part of this group

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• Post Processing - steps that run AFTER the upgrade completes; runs based on
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the variable _SMSTSSetupRollback equalling FALSE

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• Rollback - steps that run AFTER the upgrade fails; runs based on the
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variable _SMSTSSetupRollback equalling TRUE

```
• Run Actions on Failure - similar to the Rollback Group; runs based on the
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variable _SMSTSOUpgradeActionReturnCode NOT EQUALLING 0; could possibly run a
log collector or a diagnostic tool such as SetupDiag

SetupDiag:
https://docs.microsoft.com/en-us/windows/deployment/upgrade/setupdiag