Filename: microsoft-ms101-4-2-1-plan-appropriate-win10-enterprise-deployment-method-know
ShowName: Microsoft 365 Mobility and Security
SubTitle: Exam MS-101
Topic: Plan Windows 10 Deployment
EpisodeName: Plan Appropriate Win10 Enterprise Deployment Method - Know
Description: Adam and Wes discuss what you need to know to successfully plan for the appropriate Windows 10 enterprise deployment method.

Plan Appropriate Win10 Enterprise Deployment Method - Know

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 - Know

2 main scenarios to be aware of:

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1. Moving to Windows 10 from an earlier version OS
2. Keeping Windows 10 current and up to date
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Traditional Methods - Older deployment methods still supported by Microsoft

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• Bare Metal - Windows OS image is pushed into new or repurposed hardware

• Refresh - Wipe and reload of existing device; existing user state is
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backed up and restored after device is imaged; can be used when device is inoperable OR in upgrade scenarios involving moving from Win 7 to Win 10

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• Replace - Like refresh, but new hardware is used
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In-Place Upgrade - existing version of Windows is installed and device is upgraded to a newer release of Win 10; supports BOTH upgrading to Win 10 AND staying current on Win 10; process retains apps, settings and user data on the device; old version of Windows is moved to a WINDOWS.OLD folder

Modern Servicing - keep current with new releases of Win 10; Technologies that support this ARE SPECIFIC TO WIN 10 !! NO SUPPORT FOR EARLIER OSs !!!; Windows Update for Business (WUfB), Windows Server Update Service (WSUS), & System Center Configuration Manager (SCCM) all support this

2 deployment formats for Windows 10:

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1. Electronic Software Delivery (ESD) -

    • Windows Update for Business (WUfB): Series of new policies available for
Win10 clients; enable management of the servicing channel & deferral of Win10
feature & quality updates; delivers updates to clients using the public
Windows Update network; can be configured using GPO or Intune MDM policies

    • Windows Server Update Service (WSUS): ON-PREM SOLUTION !!!; used to
synchronize the Microsoft Update catalog & then deploy approved updates to
clients

    • System Center Configuration Manager (SCCM): ON-PREM SOLUTION !!!; Use of
EITHER task sequences OR WSUS to provide updates


2. Windows Imaging Format (WIM) -

    • System Center Configuration Manager (SCCM)

    • Microsoft Deployment Toolkit (MDT): Free tool for Win10 imaging &
in-place upgrades; Task sequences are used for image creation and upgrades

    • Third-Party solutions
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