

#20695: DEPLOYING WINDOWS DEVICES & ENTERPRISE

Available Dates: **Call for Dates**

Class Length: **5 day**

Cost: **\$2,495**

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Class Outline:

Description:

This five-day course describes how to assess operating system and application deployment options, determine the most appropriate deployment strategy, and then implement a deployment solution for Windows devices and apps that meets your environment's needs. Solutions that this course details include operating system deployment scenarios ranging from high-touch solutions to zero-touch solutions. It also discusses the technologies that you use to implement these solutions, including the MDT and Configuration Manager.

Course Outline:

Module 1: Assessing the network environment for supporting operating system and application deployment. This module examines how you can create a deployment strategy by using life-cycle information, deployment tools and technologies, and licensing and activation information. It also explains how to plan and effectively perform preparation tasks for deploying Windows 10 client operating systems.

Lessons

- Overview of the enterprise desktop life cycle
- Assessing readiness for a desktop deployment by using Configuration Manager
- Assessing deployment readiness by using MAP

Module 2: Determining operating system deployment strategies. This module describes the tools and strategies that are available to help you perform a successful operating system deployment. It also explains how to identify the most appropriate operating system deployment strategy for your environment, based upon organizational requirements.

Lessons

- Understanding tools and strategies you can use for operating system deployment
- Using the High Touch with Retail Media deployment strategy
- Using the High Touch with a Standard Image deployment strategy
- Using a lite touch deployment strategy
- Using a zero touch deployment strategy
- Alternative deployment strategies for Windows desktops

Module 3: Assessing application compatibility. This module describes the process for addressing common application compatibility issues that you might experience during a new operating system deployment. The module also explains how to use the ACT to help inventory, analyze, and mitigate application compatibility issues.

Lessons

- Diagnosing application compatibility issues
- Mitigating application compatibility issues
- Using ACT to address application compatibility issues

Module 4: Planning and implementing user state migration. This module introduces user state migration, and the tools and methods that are useful in the planning and implementation of a user state migration in the Windows software environment.

Lessons

- Overview of user state migration
- Overview of USMT 10.0
- Planning user state migration
- Migrating user state by using USMT

Module 5: Determining an image management strategy. This module provides the information that you need to manage images to support operating system and application deployments. Specifically, the module describes the image formats and strategies for managing images.

Lessons

- Overview of the Windows image file format
- Overview of image management

Module 6: Preparing for deployments by using the Windows ADK This module describes how Windows Setup installs the Windows operating system. It explains how to use the tools in the Windows ADK to prepare for and support automated deployment strategies. It also explains how to use the Windows Preinstallation Environment (Windows PE) to prepare boot images.

Lessons

- Overview of the Windows setup and installation process
- Preparing boot images by using Windows PE
- Using Windows SIM and Sysprep to automate and prepare an image installation
- Capturing and servicing a reference image using DISM
- Using the Windows ICD

Module 7: Supporting PXE-initiated and multicast operating system deployments. This module introduces the architecture of network boot, Pre-Boot Execution Environment (PXE)-initiated operating system deployments, multicasting operating system delivery, and the Windows Deployment Services (Windows DS) functionality in Windows Server 2012 R2.

Lessons

- Overview of PXE-initiated and multicast operating system deployments
- Installing and configuring the Windows DS environment

Module 8: Implementing operating system deployment by using the MDT. This module describes the components of the MDT, and how you can configure an operating system deployment strategy by using the MDT.

Lessons

- Planning for the MDT environment
- Implementing MDT 2013 Update 2
- Integrating Windows DS with MDT

Module 9: Managing operating system deployment. This module provides an overview of operating system deployments, and explains how to use Configuration Manager to configure an operating system deployment strategy.

Lessons

- Overview of operating system deployment
- Preparing a site for operating system deployment
- Deploying an operating system

Module 10: Integrating MDT and Configuration Manager for operating system deployment. This module explains how to integrate the MDT with Configuration Manager to support operating system deployment procedures. It also describes the benefits of integrating the MDT with Configuration Manager.

Lessons

- Integrating deployment tools with Configuration Manager
- Integrating MDT with Configuration Manager

Module 11: Activating clients and managing additional configuration settings. This module describes volume license activation solutions. It also explains how to implement volume license activation and configuration settings for client computers.

Lessons

- Solutions for volume license activation
- Determining additional client configuration settings

Module 12: Deploying Office 2016 This module explains how to customize and deploy Microsoft Office 2016 to deploy Office 2016 by using Office 365, and manage Office 2016 settings.

Lessons

- Methods for deploying Microsoft Office 2016 editions

- Customizing Office deployments
- Deploy Office 2016 by using Office 365
- Managing Office settings
- Introducing Windows Store for Business
- Distributing apps by using Windows Store for Business