

20695: Deploying Windows Desktops and Enterprise Applications

Course Details

Course Outline

- 1. Assessing the network environment for supporting operating system and application deployment**
 - Overview of the enterprise desktop life cycle
 - Assessing readiness for a desktop deployment by using Configuration Manager
 - Assessing deployment readiness by using MAP
 - Lab : Assessing the network environment for supporting operating system and application deployment
 - Collecting hardware and application inventory by using Configuration Manager
 - Using MAP to determine infrastructure readiness
- 2. Determining operating system deployment strategies**
 - 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
 - Lab : Determining operating system deployment strategies
 - Identifying operating system deployment strategies for a small network
 - Identifying operating system deployment strategies for a medium-sized network
 - Identifying operating system deployment strategies for an enterprise network
 - Installing the Windows ADK
- 3. Assessing application compatibility**
 - Diagnosing application compatibility issues
 - Mitigating application compatibility issues
 - Using ACT to address application compatibility issues
 - Lab : Assessing application compatibility
 - Analyzing applications for potential compatibility issues

- Mitigating application compatibility issues

4. Planning and implementing user state migration

- Overview of user state migration
- Overview of USMT 10.0
- Planning user state migration
- Migrating user state by using USMT
- Lab : Planning and implementing user state migration
- Planning for user state migration
- Creating and customizing USMT XML files
- Capturing and restoring a user state by using the USMT

5. Determining an image management strategy

- Overview of the Windows image file format
- Overview of image management
- Lab : Determining an image management strategy
- Assessing business requirements to support an image management strategy

6. Preparing for deployments by using the Windows ADK

- 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
- Lab : Preparing the imaging and Windows PE environment
- Configuring a custom Windows PE environment
- Lab : Building a reference image by using Windows SIM and Sysprep
- Building custom answer files by using Windows SIM
- Installing a reference computer by using a custom answer file
- Customizing your image in audit mode, and preserving the profile changes by using Sysprep
- Lab : Capturing and servicing a reference image
- Capturing a reference system image
- Lab : Using the Windows ICD
- Create a provisioning package
- Create a Windows 10 deployment package

7. Supporting PXE-initiated and multicast operating system deployments

- Overview of PXE-initiated and multicast operating system deployments
- Installing and configuring the Windows DS environment
- Lab : Configuring Windows DS to support PXE and multicast operating system deployments
- Planning the Windows DS environment
- Installing and configuring the Windows DS server role

8. Implementing operating system deployment by using the MDT

- Planning for the MDT environment
- Implementing MDT 2013 Update 2
- Integrating Windows DS with MDT
- Lab : Operating system deployment using the MDT
- Planning for the MDT environment
- Installing MDT 2013 Update 2, and addressing MDT prerequisites
- Creating and configuring the deployment share
- Deploying and capturing a reference operating system image

9. Managing operating system deployment

- Overview of operating system deployment
- Preparing a site for operating system deployment
- Deploying an operating system
- Lab : Preparing the site for operating system deployment
- Managing the site system roles used to support operating system deployment
- Managing packages to support operating system deployment
- Lab : Deploying operating system images for bare-metal installations
- Preparing the operating system image
- Creating a task sequence to deploy an image
- Deploying an image

10. Integrating MDT and Configuration Manager for operating system deployment

- Integrating deployment tools with Configuration Manager
- Integrating MDT with Configuration Manager
- Lab : Integrating MDT and Configuration Manager for operating system deployment
- Integrating MDT and Configuration Manager
- Creating an MDT boot image

- Creating and deploying an MDT task sequence by using Configuration Manager
- Lab : Configuring UDI
- Creating a UDI task sequence
- Deploying Windows 10 by using a UDI task sequence

11. Activating clients and managing additional configuration settings

- Solutions for volume license activation
- Determining additional client configuration settings
- Lab : Configuring additional settings for computer clients
- Planning for Windows 10 customization
- Creating a common Windows Start menu and custom power plan
- Creating a client preferences GPO

12. Deploying Office 2016

- 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
- Lab : Deploying Microsoft Office 2016 by using the Office Customization Tool
- Using the Microsoft Office Customization Tool (OCT) to customize a Microsoft Office 2016 deployment
- Deploying a customized version of Office 2016