PLANNING AND MANAGING WINDOWS 7 DESKTOP DEPLOYMENTS AND ENVIRONMENTS

Course Code: 6211

Learn to plan, deploy, and manage Windows 7 desktop environments.

In this course intended for desktop administrators who want to specialize in desktop deployment, configuration, and management, you will learn how to plan and deploy Windows 7 desktops in large organizations. You will also learn how to design, configure, and manage the Windows 7 client environment.

This course incorporates material from the Official Microsoft Learning Product 6294: Planning and Managing Windows 7 Desktop Deployments and Environments.

What You'll Learn

- Prepare to deploy Windows 7 business desktops
- Assess and resolve application compatibility issues with Windows 7
- Determine the most appropriate method to deploy Windows 7 based upon specific business requirements
- Design a standard Windows 7 image by assessing and evaluating the business requirements
- Deploy Windows 7 by using WAIK
- Deploy Windows 7 by using WDS
- Deploy Windows 7 by using Lite Touch Installation
- Deploy Windows 7 by using Zero Touch Installation
- Migrate user state by using Windows Easy Transfer and User State Migration Tool 4.0
- Design, configure, and manage the Windows 7 client environment
- Plan and deploy applications and updates to Windows 7 client computers

Who Needs to Attend

IT professionals interested in specializing in Windows 7 desktop and application deployments and managing the desktop environments for large organizations; Ideal candidates include support technicians or IT professionals currently in deployment roles who want to advance their careers or enhance their skills in planning and deploying Windows 7 desktops.
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CLASSROOM LIVE $2,995 CAD 5 days

Classroom Live Outline

1. Preparing to Deploy Windows 7 Business Desktops
   - Overview of the Desktop Lifecycle
   - Desktop Deployment: Challenges and Considerations
   - Tools and Technologies Used in the Desktop Deployment Lifecycle
   - Assessing the Current Computing Environment for Deploying Windows 7
   - Designing Licensing and Activation

2. Assessing Application Compatibility in Windows 7
   - Overview of Application Compatibility
   - Assessing and Resolving Application Compatibility Issues by Using ACT 5.5

3. Evaluating Windows 7 Deployment Methods
   - Evaluating In-Place Deployment
   - Evaluating Side-by-Side Deployment
   - Evaluating Lite-Touch Deployment Method
   - Evaluating Zero-Touch Deployment Method

4. Designing Standard Windows 7 Images
   - Overview of Windows 7 Installation Architecture
   - Overview of the Imaging Process
   - Determining the Image Strategy
   - Selecting the Image Servicing Methods

5. Deploying Windows 7 by Using WAIK
   - Overview of WAIK 2.0
   - Building a Reference Windows 7 Image by Using Windows SIM and Sysprep
   - Managing the Windows Preinstallation Environment
• Capturing, Applying, and Servicing a Windows 7 Image

6. Deploying Windows 7 by Using Windows Deployment Services
   • Overview of WDS
   • Designing and Configuring WDS for Windows 7 Deployment

7. Deploying Windows 7 by Using Lite Touch Installation
   • Designing the Lite Touch Installation Environment
   • Implementing MDT 2010 for Deploying Windows 7

8. Deploying Windows 7 by Using Zero Touch Installation
   • Designing the Zero Touch Installation Environment
   • Performing Zero-touch Installation of Windows 7 by Using MDT 2010 and Configuration Manager 2007

9. Migrating User State by Using WET and USMT 4.0
   • Overview of User State Migration
   • Overview of USMT 4.0
   • Planning User State Migration (USMT 4.0)
   • Migrating User State by Using USMT 4.0

10. Designing, Configuring, and Managing the Client Environment
    • Overview of Planning Client Configuration
    • Designing and Configuring Standard System Settings
    • Designing and Configuring Internet Explorer Settings
    • Designing and Configuring Security Settings
    • Designing and Implementing Group Policy
    • Troubleshooting Group Policy

11. Planning and Deploying Applications and Updates to Windows 7 Clients
    • Determining the Application Deployment Method
    • Deploying Office 2007
    • Planning and Configuring Desktop Updates by Using WSUS

12. Planning and Deploying Windows 7 by Using LTI
    • Planning the MDT Lite Touch Environment

Classroom Live Labs

Lab 1a: Assessing the Computing Environment by Using the Microsoft Assessment and Planning Toolkit

Lab 1b: Recommending a Licensing Strategy
    • Determining the Activation Method

Lab 2a: Evaluating Application Compatibility Using the Microsoft Application Compatibility Toolkit
    • Installing and Configuring ACT
    • Collecting Application Inventory
• Organizing the Application Inventory
• Analyzing Application Inventory Results

Lab 2b: Creating Application Compatibility Fixes
• Identifying Application Compatibility Issues
• Mitigating Application Issues

Lab 3: Determining the Windows 7 Deployment Method

Lab 4: Determining the Windows 7 Imaging Strategy

Lab 5a: Using the Windows Automated Installation Kit (WAIK)
• Install the WAIK
• Resources and Tools Included with the WAIK

Lab 5b: Building a Reference Image Using Windows SIM and Sysprep
• Building a Custom Answer File by Using Windows SIM
• Installing a Reference Computer Using a Custom Answer File
• Generalizing a Reference Computer by Using Sysprep

Lab 5c: Creating Windows PE Boot Media
• Adding Packages and Drivers to Windows PE
• Creating a Bootable Windows PE ISO Image
• Starting the Windows PE Operating System Environment

Lab 5d: Capturing and Applying a Windows 7 Image Using ImageX
• Capturing an Image Using ImageX
• Apply an Image Using ImageX

Lab 5e: Servicing Images by Using DISM
• Servicing a Reference Image using DISM

Lab 6: Deploying Windows 7 by Using Windows Deployment Services (WDS)
• Designing the WDS Environment
• Installing and Configuring the WDS Server Role
• Adding Boot and Install Images to WDS
• Provisioning Drivers by Using WDS
• Deploying a Desktop Operating System Using WDS

Lab 7a: Planning and Configuring MDT 2010
• Planning the MDT Lite Touch Environment
• Installing MDT 2010 and Additional Component Files
• Configuring the Deployment Share
• Creating a Task Sequence

Lab 7b: Deploying Windows 7 by Using Lite Touch Installation
• Updating the Deployment Share to Generate Windows PE Media
• Installing Windows 7 Using Lite Touch Installation

Lab 8: Deploying Windows 7 by Using Zero Touch Installation
• Planning the Zero Touch Installation Environment
• Preparing the Zero Touch Installation Environment
• Configuring Deployment Packages and System Images
• Configuring and Advertising a Client Task Sequence

Lab 9a: Migrating User State by Using Windows Easy Transfer
• Preparing the Windows Easy Transfer Source Files
• Capturing User State Information from a Source Computer
• Loading User State Information to a Target Computer

Lab 9b: Migrating User State by Using the User State Migration Tool 4.0 (USMT)
• Planning for the User State Migration
• Creating USMT Migration Scripts
• Capturing and Restoring User State by Using USMT
• Performing a Hard-Link Migration

Lab 9c: Migrating User State by Using Hard Link Migration
• Performing a Hard-Link Migration

Lab 10a: Designing and Configuring the Client Environment
• Designing a Client Environment
• Implementing a Client Configuration

Lab 10b: Troubleshooting GPO Issues
• Resolving a GPO Application Problem

Lab 11a: Determining the Application Deployment Method

Lab 11b: Customizing the Microsoft Office Professional Plus 2007 Installation
• Configuring the Setup Category
• Configuring the Features Category
• Installing Microsoft Office Professional Plus By Using the Setup Customization File

Lab 11c: Planning and Managing Updates by Using WSUS
• Planning Automatic Updates Settings
• Configuring Automatic Updates Settings by Using Group Policy
• Approving and Deploying an Update by Using WSUS

Lab 12: Deploying Windows 7 Using the LTI Deployment Plan
• Performing a Network Assessment
• Configuring MDT 2010 for an LTI Deployment
• Configuring WDS for a PXE and Multicast Deployment
• Configuring an MDT 2010 Deployment Share
• Creating the Reference Computer
• Preparing the Deployment Task Sequences
• Performing an Upgrade on Target Computers
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PRIVATE GROUP TRAINING 5 days

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