



Planning and Managing Windows 7 Desktop Deployments and Environments

MOC-6294A

Course Description:

This Microsoft course is intended for desktop administrators who want to specialize in desktop deployment, configuration, and management. In this course, students will learn how to plan and deploy Windows 7 desktops in large organizations. They will also learn how to design, configure, and manage the Windows 7 client environment. This course helps students prepare for the Exam 70-686, Pro: Windows 7, Enterprise Desktop Administrator.

Course Objectives:

Upon completion of the Microsoft course, students will be able to:

- 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

Prerequisites:

- A solid understanding of TCP/IP and networking concepts
- A solid Windows and Active Directory background. For example, domain user accounts, domain vs. local user accounts, user profiles, and group membership
- A good understanding of scripts and batch files

- A solid understanding of security concepts such as authentication and authorization
- Performed a clean installation of Windows 7, Upgrade to Windows 7, and migrate user-related data and settings from Windows XP
- Configured disks, partitions, volumes, and device drivers to enable Windows 7 to function as desired
- Experience configuring and troubleshooting permissions and other settings to allow access to resources and applications on Windows 7 Systems
- Experience configuring settings to enable network connectivity
- Experience configuring and troubleshooting a wireless network connection.
- Experience configuring and troubleshooting Windows 7 security
- Configure mobile computers and devices
- Familiarity with the client administration capabilities of Windows Server and familiar with management tools such as the System Center suite of products.
- Familiarity with deployment, packaging, and imaging tools
- The ability to work in a team/virtual team
- Trained and mentored others

Audience:

- Desktop Administrators
- IT Professionals

Course Duration:

5 Days

Course Topics:

I. Preparing to Deploy Windows 7 Business

- 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 Windows Activation

II. Assessing Application Compatibility in Windows

- Overview of Application Compatibility
- Assessing and Resolving Application Compatibility Issues by Using ACT 5.5

III. Evaluating Windows 7 Deployment Methods

- Evaluating In-Place Deployment
- Evaluating Side-by-Side Deployment
- Evaluating Lite-Touch Deployment Method
- Evaluating Zero-Touch Deployment Method

IV. 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

V. 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
- Starting the Windows PE Operating System Environment

VI. Deploying Windows 7 by Using Windows Deployment Services

- Overview of WDS
- Designing and Configuring WDS for Windows 7 Deployment

VII. Deploying Windows 7 by Using Lite Touch Installation

- Designing the Lite Touch Installation Environment
- Implementing MDT 2010 for Deploying Windows 7

VIII. 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

IX. 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

X. 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

XI. Planning and Deploying Applications and Updates to Windows 7 Clients

- Determining the Application Deployment Method
- Deploying the 2007 Microsoft Office System
- Planning and Configuring Desktop Updates by Using WSUS

XII. Planning and Deploying Windows 7 by Using LTI

- Deploying Windows 7 – Challenge Scenario