



# 6294 Planning and Managing Windows 7 Desktop Deployments and Environments

Price: \$1,995

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**Length:** 35 Hours (5 days)

**Introduction:** This five-day instructor-led 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.

**Target Audience:** This course is intended for IT Professionals who are interested in specializing in Windows 7 desktop and application deployments and managing the desktop environments for large organizations. People attending this training could be support technicians or currently in deployment roles and are looking at taking the next step in their career or enhancing their skills in the areas of planning and deploying Windows 7 desktops.

**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

**Objectives:** At the end of the 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.



## Course Outline

### I. Preparing to Deploy Windows 7 Business Desktops

- A. Overview of the Desktop Lifecycle
- B. Desktop Deployment: Challenges and Considerations
- C. Tools and Technologies Used in the Desktop Deployment Lifecycle
- D. Assessing the Current Computing Environment for Deploying Windows 7
- E. Designing Windows Activation

### II. Overview of Application Compatibility

- A. Assessing and Resolving Application Compatibility Issues by Using ACT 5.5

### III. Evaluating In-Place Deployment

- A. Evaluating Side-by-Side Deployment
- B. Evaluating Lite-Touch Deployment Method
- C. Evaluating Zero-Touch Deployment Method

### IV. Overview of Windows 7 Installation Architecture

- A. Overview of the Imaging Process
- B. Determining the Image Strategy
- C. Selecting the Image Servicing Methods

### V. Deploying Windows 7 by Using WAIK

- A. Overview of WAIK 2.0
- B. Building a Reference Windows 7 Image by Using Windows SIM and Sysprep
- C. Managing the Windows Preinstallation Environment
- D. Capturing, Applying, & Servicing a Windows 7 Image

### VI. Deploying Windows 7 by Using Windows Deployment Services

- A. Overview of WDS
- B. Designing and Configuring WDS for Windows 7 Deployment

### VII. Deploying Windows 7 by Using Lite Touch Installation

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

### VIII. Deploying Windows 7 by Using Zero Touch Installation

- A. Designing the Zero Touch Installation Environment
- B. 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

- A. Overview of User State Migration
- B. Overview of USMT 4.0
- C. Planning User State Migration (USMT 4.0)
- D. Migrating User State by Using USMT 4.0

### X. Designing, Configuring, and Managing the Client Environment

- A. Overview of Planning Client Configuration
- B. Designing and Configuring Standard System Settings
- C. Designing and Configuring Internet Explorer Settings
- D. Designing and Configuring Security Settings
- E. Designing and Implementing Group Policy
- F. Troubleshooting Group Policy

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

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

### XII. Planning and Deploying Windows 7 by Using LTI

- A. Deploying Windows 7 – Challenge Scenario