

5 Days

Planning and Managing Windows 7 Desktop Deployments and Environment

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 professionals prepare for the Exam 70-686, Pro: Windows 7, Enterprise Desktop Administrator.

Course Details

Course Outline

Module 1: Preparing to Deploy Windows 7 Business Desktops

- This module helps you plan and perform effective preparation tasks for deploying Windows 7 clients. It begins by discussing client, hardware, and deployment lifecycles. It also discusses how to assess existing computing environments and licensing.

Module 2: Assessing Application Compatibility in Windows 7

- This module describes the process for addressing common application compatibility issues experienced during a typical operating system deployment. It also explains how to use the Microsoft Application Compatibility Toolkit (ACT) to help inventory, analyze, and mitigate application compatibility issues.

Module 3: Evaluating Windows 7 Deployment Methods

- This module discusses different deployment scenarios and methods that are available when deploying Windows 7. It also discusses various tools and technologies to use in the different scenarios, and considerations for selecting a deployment scenario and method.

Module 4: Designing Standard Windows 7 Images

- This module, explains the underlying architecture of the computer imaging system that can be used to create and deploy a custom image of a Windows 7 desktop. It also discusses the different phases of the imaging process, and how to determine imaging strategy and image servicing opportunities in Windows 7.

Module 5: Deploying Windows 7 by Using WAIK

- This module explains the underlying computer imaging architecture of Windows AIK 2.0, which can be used to create and deploy a custom Windows 7 desktop image.

Module 6: Deploying Windows 7 by Using Windows Deployment Services

- This module describes how WDS can be used to deploy custom system images to client computers located within the network infrastructure.

Module 7: Deploying Windows 7 by Using Lite Touch Installation

- This module describes how to design the Lite Touch Installation (LTI) environment, and provides you with an overview of the techniques that you can use to build and deploy Windows 7 using the MDT and the LTI scenario.

Module 8: Deploying Windows 7 by Using Zero Touch Installation

- This module describes the necessary prerequisites and procedures for deploying the Windows 7 operating system using Zero Touch Installation methodology.

Module 9: Migrating User State by Using WET and USMT 4.0

- This module explains user state migration, and how to use tools, such as Windows Easy Transfer and the Microsoft Windows User State Migration Tool (USMT), in various migration scenarios.

Module 10: Designing, Configuring, and Managing the Client Environment

- This module examines how to design, configure, and manage Windows 7 client configurations. Specifically, it discusses Group Policy, Internet Explorer, and system security settings.

Module 11: Planning and Deploying Applications and Updates to Windows 7 Clients

- This module discusses the implications of deploying applications to Windows 7 clients including Microsoft Office 2007. It also discusses the use of Windows Server Update Services (WSUS).

Module 12: Deploying Windows 7 – Challenge Scenario

- This module is a comprehensive lab that gives the students an opportunity to perform an end-to-end deployment of Windows 7 by using the LTI.

Who Should Attend

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.

Pre Requisite

1. A solid understanding of TCP/IP and networking concepts.
2. A solid Windows and Active Directory background. For example, domain user accounts, domain vs. local user accounts, user profiles, and group membership.
3. A good understanding of scripts and batch files.
4. A solid understanding of security concepts such as authentication and authorization.
5. Performed a clean installation of Windows 7, Upgrade to Windows 7, and migrate user-related data and settings from Windows XP.
6. Configured disks, partitions, volumes, and device drivers to enable Windows 7 to function as desired.

7. Experience configuring and troubleshooting permissions and other settings to allow access to resources and applications on Windows 7 Systems.
8. Experience configuring settings to enable network connectivity.
9. Experience configuring and troubleshooting a wireless network connection.
10. Experience configuring and troubleshooting Windows 7 security.
11. Configure mobile computers and devices.
12. Familiarity with the client administration capabilities of Windows Server and familiar with management tools such as the System Center suite of products.
13. Familiarity with deployment, packaging, and imaging tools.
14. The ability to work in a team/virtual team
15. Trained and mentored others

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