

## **Microsoft 5105**

### **Deploying Windows Vista Business Desktops**

**Class Length:** 3 Days

#### **Introduction**

Elements of this syllabus are subject to change.

This three-day instructor-led course provides students with the knowledge and skills to successfully deploy Windows Vista business desktops throughout their organization. Students are introduced to the deployment life cycle, which consists of planning for the deployment, building and customizing the deployment method, and then implementing the actual deployment. Students are introduced to the tools and guidance to be used throughout various stages of the deployment life cycle.

#### **Audience**

This course is intended for IT Professionals, Desktop Configuration Administrators, and technical decision makers with the skills to successfully plan and deploy desktop operating systems, provision desktop computers, and deploy service packs and updates to computer systems. The intended audience is also involved in setting the strategic direction for the desktop operating system and applications.

#### **At Course Completion**

After completing this course, students will be able to:

- Describe the guidelines, processes that take place, and the tools used throughout the Microsoft Windows Vista desktop deployment life-cycle.
- Inventory, analyze, and mitigate application compatibility when planning a Windows Vista desktop deployment.
- Capture and restore user state information during a workstation deployment task.
- Use automated installation technologies to create, customize and deploy a computer image based upon a Windows Vista desktop.
- Deploy Windows Vista using Business Desktop Deployment (BDD) 2007.
- Deploy Windows Vista using Zero Touch Installation.
- Secure a Windows Vista desktop.

#### **Prerequisites**

Before attending this course, students must have:

- Experience deploying Windows desktop operating systems.
- At least one year of experience managing a Microsoft Windows desktop operating system environment.
- Familiarity with standard client and application deployment methods such as Group Policy, disk imaging, and Systems Management Server (SMS).
- Familiarity with the Business Desktop Deployment (BDD) Solution Accelerator.

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Important: This learning product will be most useful to people who intend to use their new skills and knowledge on the job immediately after training.

## **Course Outline**

### **Module 1: Preparing to Deploy Windows Vista Business Desktops**

In this module, students are provided guidelines for an effective desktop deployment. Students are also introduced to tools and technologies used in the desktop deployment life cycle and the process and team guidance provided by the Microsoft Solution Accelerator for Business Desktop Deployment (BDD) 2007. Finally, students will learn how to plan Windows Vista deployments, and will learn about volume activation options and troubleshooting methods.

#### **Lessons**

- Overview of the Windows Vista Desktop Deployment Process
- Tools and Technologies Used in the Desktop Deployment Life Cycle
- Planning Windows Vista Deployments
- Understanding Volume Activation

After completing this module, students will be able to:

- Provide guidelines and considerations for an effective and efficient Windows Vista business desktop deployment.
- Describe the tools and technologies used throughout the desktop deployment life cycle.
- Describe the process for effectively deploying a Windows Vista desktop.
- Describe how volume activation affects Windows Vista deployment.

### **Module 2: Application Compatibility Remediation**

In this module, students will learn the process for addressing common application compatibility issues experienced during a typical operating system deployment. Students will also learn how to use the Microsoft Application Compatibility Toolkit (ACT) to help inventory, analyze, and mitigate application compatibility issues.

#### **Lessons**

- Resolving Application Compatibility Issues
- Introduction to the Application Compatibility Toolkit 5.0
- Lab: Evaluating Application Compatibility Using the Microsoft Application Compatibility Toolkit

After completing this module, students will be able to:

- Describe the process used to resolve common application compatibility issues during an operating system deployment.
- Inventory and analyze application compatibility information using the Application Compatibility Toolkit.

### **Module 3: User State Migration**

In this module, students will learn about user state migration and how tools such as Windows Easy Transfer and the Microsoft Windows User State Migration Tool (USMT) can be used for various migration scenarios.

#### **Lessons**

- Overview of the User State Migration Task
- Introduction to the User State Migration Tool 3.0
- Lab: Migrating User State Using the User State Migration Tool

After completing this module, students will be able to:

- Describe the tools and configuration process for performing a user state migration task.
- Migrate user and computer settings using the User State Migration Tool.

### **Module 4: Automated Installation Technologies for Windows Vista**

In this module, students will learn about the underlying architecture of the computer imaging system that is used to create and deploy a custom image of a Windows Vista desktop.

#### **Lessons**

- Overview of the Windows Vista Installation Architecture
- Implementing a Windows Vista Imaging System
- Deploying Windows Vista using Windows Deployment Services
- Lab: How to Deploy a Windows Vista Image Using Windows Deployment Services

After completing this module, students will be able to:

- Describe the Windows Vista installation and setup architecture.
- Describe the procedures and tools used to deploy a custom Windows Vista desktop.
- Configure Windows Deployment Services to help deploy Windows Vista desktop computers.

### **Module 5: Deploying Windows Vista Using BDD 2007**

In this module, students will be introduced to the concepts related to Lite Touch and Zero Touch deployment. Students will also learn how to use the Solution Accelerator for Business Desktop Deployment 2007 to deploy a Windows Vista image using a Lite Touch methodology.

#### **Lessons**

- Overview of BDD 2007 Deployment Methods
- Deploying a Lite Touch Scenario Using BDD 2007
- Lab: Performing a Lite Touch Installation Using BDD 2007

After completing this module, students will be able to:

- Select an appropriate deployment method based upon an organization's infrastructure

- management process.
- Deploy the Windows Vista operating system using the Lite Touch methodology.

### **Module 6: Deploying Vista Using BDD 2007 Zero Touch Installation**

In this module, students will be introduced to the requirements to support Zero Touch installations and the SMS 2003 Operating System Deployment (OSD) Feature Pack.

Students will also learn about the phases of the OSD Feature Pack and how to deploy Windows Vista using BDD 2007 Zero Touch Installation.

#### **Lessons**

- Preparing the Deployment Environment for Zero Touch
- Deploying a Zero Touch Scenario Using BDD 2007 and the OSD Feature Pack
- Lab: Deploying Windows Vista Using BDD 2007 Zero Touch

After completing this module, students will be able to:

- Prepare the network environment for a Zero Touch installation.
- Deploy the Windows Vista operating system by using the Zero Touch methodology.

### **Module 7: Securing a Windows Vista Desktop**

In this module, students will learn about the new security features incorporated into Windows Vista.

#### **Lessons**

- Overview of Desktop Security
- Security Enhancements in Windows Vista
- Lab: Securing a Windows Vista Desktop

After completing this module, students will be able to:

- Describe considerations and technologies used to secure desktops that run Windows Vista.
- Secure a desktop running Windows Vista.