

Course Outline

5105 - Deploying Windows Vista Business Desktops

General Description

This course provides IT Professionals with the knowledge and skills necessary to successfully deploy the Windows Vista Business operating system to desktops throughout their organization. This course is presented in the context of 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 tools and guidance they can use throughout various stages of the deployment life cycle.

Outcomes

At the end of the course, students will be able to:

- Plan and perform effective preparation tasks for deploying Windows Vista.
- Describe how to use appropriate tools and methods to assess and minimize the risks associated with Windows Vista application compatibility.
- Identify and use the appropriate process and tools to migrate use state data.
- Identify and use appropriate tools and technologies for automating Windows Vista installation.
- Deploy Windows Vista using the Microsoft Deployment Toolkit (MDT) 2008.
- Deploy the Windows Vista operating system using MDT 2008.



Windows Vista™

Course Details

Course code: 5105

Duration: 3 days

Starting time: 9am

Finishing time: 4.30pm



Microsoft Partner
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Silver Desktop

Booking guidelines

Contact our learning consultants on 1300 86 87246 and we will assist you with your booking.

 **1300 86 87246**

1300 TO TRAIN

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

This module provides guidelines for an effective desktop deployment. This module also introduces tools and technologies used in the desktop deployment life cycle, and the process and team guidance provided by the Microsoft Deployment Toolkit (MDT) 2008. Finally, this module discusses how to plan Windows Vista deployments, in addition to 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
- Introduction to Volume Activation

Lab: Preparing to Deploy Windows Vista Business Desktops

- Exercise 1: Installing and Configuring the Microsoft Assessment and Planning Toolkit
- Exercise 2: Viewing Inventory and Assessment Reports

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 an effective Windows Vista desktop deployment planning process.
- Describe how volume activation affects Windows Vista deployment.

➤ **Module 2: Assessing Windows Application Compatibility**

This module describes the process for addressing common application compatibility issues experienced

during a typical operating system deployment. This module also discusses 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

Lab: Assessing Windows Application Compatibility

- Exercise 1: Installing and Configuring ACT
- Exercise 2: Collecting Application Inventory
- Exercise 3: Organizing the Application Inventory
- Exercise 4: Analyzing Application Inventory Results

Lab: Assessing Windows Application Compatibility

- Exercise 1: Identifying Application Compatibility Issues
- Exercise 2: Mitigating Application Issues

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, analyze, and mitigate application compatibility issues using ACT.

➤ **Module 3: Migrating User State**

This module describes 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

- Exercise 1: Preparing Windows Easy Transfer

- Exercise 2: Capturing User State Information from a Source Computer
- Exercise 3: Loading User state Information to a Target Computer

Lab: Migrating User State

- Exercise 1: Creating a Custom USMT XML Migration Script
- Exercise 2: Capturing and Restoring User State by Using USMT

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 USMT.

➤ **Module 4: Automated Installation Technologies for the Windows Vista Operating System**

This module describes the underlying architecture of the computer imaging system architecture, which 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
- Managing the Windows Preinstallation Environment
- Performing Imaging and Deployment Tasks Using ImageX
- Deploying Windows Vista Using Windows Deployment Services

Lab: Automated Installation Technologies for the Windows Vista Operating System

- Exercise 1: Installing Windows AIK
- Exercise 2: Identifying Components Included in Windows AIK

Lab: Automated Installation Technologies for the Windows Vista Operating System

- Exercise 1: Building a Custom Answer File Using Windows SIM

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- Exercise 2: Installing a Reference Computer Using the Custom Answer File
- Exercise 3: Generalizing a Reference Computer Using Sysprep

Lab: Automated Installation Technologies for the Windows Vista Operating System

- Exercise 1: Adding Packages and Drivers to Windows PE
- Exercise 2: Creating a Bootable Windows PE ISO Image
- Exercise 3: Booting Using a Windows PE ISO Image

Lab: Automated Installation Technologies for the Windows Vista Operating System

- Exercise 1: Capturing a Windows Vista Image Using ImageX
- Exercise 2: Mounting and Performing Offline Servicing to a WIM Image File
- Exercise 3: Applying a Windows Vista Image Using ImageX

Lab: Automated Installation Technologies for the Windows Vista Operating System

- Exercise 1: Installing the Windows Deployment Services Server Role
- Exercise 2: Configuring Windows Deployment Services
- Exercise 3: Adding Boot and Installation Images to the Windows Deployment Services Server
- Exercise 4: Installing Windows Vista on a PXE Client

After completing this module, students will be able to:

- Describe the Windows Vista installation and setup architecture.
- Describe the procedures and tools used to implement an effective Windows Vista imaging system.
- Describe how to customize and manage the Windows Preinstallation Environment (Windows PE).
- Perform imaging and deployment tasks using ImageX

- Configure Windows Deployment Services to help deploy Windows Vista desktop computers.

➤ Module 5: Deploying the Windows Vista Operating System Using the Microsoft Deployment Toolkit

This module provides an overview of MDT 2008 deployment methods and focuses on the techniques that are used to build and deploy Windows Vista using MDT 2008 and the Lite Touch Installation scenario.

Lessons

- Overview of MDT 2008 Deployment Methods
- Deploying Windows Vista Using a Lite Touch Scenario

Lab: Deploying the Windows Vista Operating System Using the Microsoft Deployment Toolkit

- Exercise 1: Installing MDT 2008
- Exercise 2: Installing Additional Component Files
- Exercise 3: Creating the Distribution Share, and Adding the Windows Vista Operating System Source Files

Lab: Deploying the Windows Vista Operating System Using the Microsoft Deployment Toolkit

- Exercise 1: Configuring the Distribution Share
- Exercise 2: Creating and Customizing a Task Sequence
- Exercise 3: Configuring a Deployment Point
- Exercise 4: Installing Windows Vista Using MDT 2008 Lite Touch

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 by using the Lite Touch methodology.

➤ Module 6: Deploying the Windows Vista Operating System Using Zero Touch Installation

This module describes the necessary prerequisites and procedures for deploying the Windows Vista operating system by using a Zero Touch Installation methodology.

Lessons

- Preparing the Deployment Environment for Zero Touch
- Deploying Zero Touch Using MDT 2008 and Configuration Manager 2007

Lab: Deploying the Windows Vista Operating System Using Zero Touch Installation

- Exercise 1: Configuring MDT 2008 Integration with Configuration Manager 2007
- Exercise 2: Completing Configuration Manager 2007 Tasks for ZTI
- Exercise 3: Configuring and Advertising a Client Task Sequence
- Exercise 4: Installing Windows Vista Using Zero Touch

After completing this module, students will be able to:

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

➤ Module 7: Deploying the Windows Vista Operating System Challenge Scenario (Optional Module)

This module describes a typical scenario for deploying Windows Vista to an existing environment. Students will perform a Windows Vista deployment from the initial installation stage to completion using the tools and methods discussed throughout this course.

Lessons

- Overview of the Windows Vista Deployment Challenge Lab

Lab: Deploying the Windows Vista Operating System

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Challenge Scenario (Optional Module)

- Exercise 1: Installing MDT 2008
- Exercise 2: Assessing the Environment
- Exercise 3: Creating a Reference Image
- Exercise 4: Deploying Windows Vista Using a Replace Scenario

After completing this

module, students will be able to:

- Install and configure the Microsoft Deployment Toolkit.
- Install and configure the Microsoft Assessment and Planning Toolkit.
- Install and configure the Microsoft Windows Automated Installation Kit.
- Install and configure the Microsoft User State Migration Tool.
- Perform an Automated upgrade from the Windows XP operating system to Windows Vista.