



Course M6291-ILT

Updating Your Technology Knowledge of Microsoft Windows XP to Windows 7 Beta

Three days, Instructor-Led

INTRODUCTION

This three-day instructor-led course provides students with the knowledge and skills to work with the new technologies in Windows Vista and Windows 7 Beta. This course is intended for individuals who already have experience with Windows XP to upgrade their skills to Windows 7 Beta.

AUDIENCE PROFILE

This course is intended for IT professionals who generally perform desktop support for Windows computers. Typical duties for IT professionals include user support, desktop configuration, and desktop troubleshooting. They will be particularly interested in the new features of Windows 7 Beta and how the changes affect Windows security, reliability, performance, productivity and manageability.

PREREQUISITES

Before attending this course, students must have:

- One year experience installing, configuring, and supporting Windows XP desktop operating systems.

COURSE OUTLINE

MODULE 1: INTRODUCTION TO USER PRODUCTIVITY ENHANCEMENTS

This module introduces the key enhancements included in Windows 7 Beta, including improvements to desktop controls and Search functionality, and the addition of the new Search Federation functionality.

Lessons

- Controlling Your Desktop
- Overview of Desktop Search Enhancements
- Introduction to Search Federation

Lab: Implementing Search Enhancements in Windows 7 Beta

- Create and Configure a Library
- Configure Search Indexes
- Create and Pin a Search Connector

MODULE 2: MANAGING DESKTOP CONFIGURATIONS

This module reviews the enhancements made in Windows 7 Beta that enable IT professionals to more effectively manage desktops and mobile PCs.

Lessons

- Automating Group Policy Enhancements
- Introduction to Windows PowerShell 2.0
- Using Windows PowerShell 2.0

Lab: Desktop Configuration

- Applying Group Policy Enhancements



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- Using Windows PowerShell 2.0

MODULE 3: INTRODUCTION TO REMOTE ACCESS

This module describes how Windows 7 Beta makes it easier for users to get connected and stay connected regardless of location or type of network.

Lessons

- Introduction to DirectAccess
- Designing a DirectAccess Solution
- Install and Configure DirectAccess
- Overview of VPN Reconnect
- Introduction to BranchCache

MODULE 4: INTRODUCTION TO WINDOWS 7 BETA SECURITY COMPONENTS

This module examines how Windows 7 Beta improves upon the security lineage of Windows Vista by making security features more useable and manageable, by protecting data on PCs and devices, and by enabling IT professionals to specify exactly what is to run on user desktops.

- Lessons
- Implementing User Account Control
- Introduction to Windows BitLocker
- Introduction to Windows AppLocker
- Configuring Windows Defender
- Introduction to Windows Firewall with Advanced Security

Lab: Implementing User Account Control

- Configure User Account Control

Lab: Implementing AppLocker Security Controls

- Create AppLocker Rules and Configure Enforcement

Lab: Implementing Windows Defender

- Configure Scans for Windows Defender

Lab: Implementing Windows Firewall with Advanced Security

- Adjust Windows Firewall Configuration
- Lab Shutdown

MODULE 5: DEPLOYING WINDOWS 7 BETA IMAGES

This module examines the Windows 7 Beta system imaging tools that enable IT professionals to manage operating system images using a single, consolidated tool-set, improve system image delivery over the network, and reduce image sizes.

Lessons



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- Preparing to Deploy a Windows 7 Beta Image
- Deploying a Windows 7 Beta Image
- Servicing a Windows 7 Beta Image

MODULE 6: TROUBLESHOOTING IN WINDOWS 7 BETA

This module examines the new troubleshooting capabilities in Windows 7 Beta that provide IT professionals the tools they need to resolve issues quickly without having to call the help desk.

Lessons

- Troubleshooting with Problem Steps Recorder
- Using the Windows Troubleshooting Platform
- Diagnosing Issues with Unified Tracing
- Analyzing Performance with Windows Management Instrumentation (WMI)
- Managing Devices

Lab: Using New Windows 7 Beta Troubleshooting Features

- Create and Analyze a Report by using Problem Steps Recorder
- Analyze Troubleshooting Results Generated from the Windows Troubleshooting Wizard
- Use Netsh Commands to Capture Network Trace Information
- Create a Data Set Collector in Performance Monitor and Analyze Results
- Restrict Installation of a Device by using Group Policy