

First Look: Windows 7 Beta for IT Professionals & Hands-on Lab

Course Code: M6289 & M6290

Length: 1 Day

Course Description: The first portion of this 1-day, instructor-led clinic provides in-depth knowledge for IT Professionals and Technology Decision Makers on the main technical areas of Windows 7: User Productivity, Improved Security and Control, Streamlined PC Management, and Desktop Optimization. This portion is then followed by hands-on practice labs on the main technical areas.

After completing this course, students will be able to:

- Discuss configuration of the UAC elevation prompt
- Explain BitLocker Data Encryption for removable storage devices
- Summarize how to create and enforce AppLocker rules
- Describe how Windows Defender helps to improve security on a computer
- Describe how DirectAccess helps improve the connectivity experience for remote users
- Explain how caching works to help make users in a branch office more productive
- Summarize how to use libraries and search to organize and find information
- Describe how taskbar and Control Panel improvements bring together common tasks and information to reduce clutter and improve navigation
- Explain how to perform a Windows Backup and Restore
- Describe troubleshooting enhancements including the Problem Steps Recorder, unified tracing concepts, Performance Monitor, and Windows PowerShell 2.0

At lab completion, students will be able to:

- Configure User Account Control.
- Utilize the User Account Type and Elevation Prompt.
- Configure Local Security Policy.
- Configure Windows Firewall.
- Create AppLocker Rules and configure enforcement.
- Configure Windows Defender.
- Set indexing locations and modify advanced options.
- Execute searches from multiple locations.
- Create a library and set security permissions.
- Create and deploy a search connector.
- Use the built-in diagnostics tools to diagnose and resolve system problems.
- Use Performance Monitor to collect system performance information.
- Configure the Action Center and view messages.
- Examine events in Event Viewer and create a custom view.
- Configure Device Manager and control device installation.
- Run Windows PowerShell commands.
- Configure Backup and Restore option.
- Configure the Sync Center.

Prerequisites

Before attending this course, students must have one-year experience installing, configuring, and supporting Windows desktop operating systems and must have completed, or have technical knowledge equivalent to, the following courses:

- M5115: Installing and Configuring the Windows Vista Operating System
- M5116: Configuring Windows Vista Mobile Computing and Applications

Module 1: Security and Control

The Windows 7 Beta operating system builds on the security foundation of Windows Vista by delivering increased flexibility in securing PCs and data. The number of operating system applications and tasks that require user interaction with an elevation prompt are reduced, and users with administrative privileges can adjust elevation prompt behavior in User Account Control. Windows BitLocker can now encrypt external devices and provide recovery keys so that the data is accessible when needed. Windows AppLocker provides tools to help dictate which applications are allowed to run on user PCs. Windows Defender is integrated with Action Center and provides an improved user experience when scanning for spyware or manually checking for updates. This session provides an overview of these user productivity enhancements.

Module 2: Networking and Sharing

Windows 7 Beta helps end users to be productive, regardless of where they are or where the data they need resides. With Windows DirectAccess, mobile users can access corporate resources when they are out of the office, and IT professionals can administer updates and patches remotely to improve connectivity for remote users. Users in branch offices are more productive when they use Windows BranchCache to cache frequently accessed files and Web pages, which reduces latency and bandwidth traffic. Finally, libraries help users organize and manage data files in categorical collections from across multiple locations, and improvements in search capabilities enhance productivity.

Module 3: Troubleshooting and Support

Windows 7 Beta helps make managing a PC environment more automated, controllable, and efficient. An enhanced Windows Taskbar puts commonly used resources within reach, minimizing clutter and maximizing usable space on the desktop. Control Panel enhancements include the Action Center, which provides a central place to go for tasks and notifications associated with keeping

the computer running smoothly. The Action Center helps users resolve problems by providing a streamlined experience for addressing notifications and managing computer issues.

Backup and Restore functionality is accessible in the Control Panel where you can capture all personal files and, if desired, system files. With the Backup and Restore functionality, users can restore individual files, selected folders, or all personal files. Alternatively, users can reimage or restore the entire PC from a recent backup. Performance Monitor is a powerful visualization tool for viewing performance data, in real time and from log files. New scripting and automation capabilities in Windows PowerShell 2.0 and Windows Troubleshooting help IT professionals to better manage computers and troubleshoot problems, enabling them to keep users productive while working to reduce costs, maintain compliance, and improve operational efficiency.

Hands-On Lab Outline

Exercise 1: Security and Control

After completing this hands-on lab, students will be able to:

- Configure User Account Control.
- Utilize the User Account Type and Elevation Prompt.
- Configure Local Security Policy.
- Configure Windows Firewall.
- Create AppLocker Rules and configure enforcement.
- Configure Windows Defender.

Exercise 2: Networking and Sharing

After completing this hands-on lab, students will be able to:

- Set indexing locations and modify advanced options.
- Execute searches from multiple locations.
- Create a library and set security permissions.
- Create and deploy a search connector.

Exercise 3: Troubleshooting and Support

After completing this hands-on lab, students will be able to:

- Use the built-in diagnostics tools to diagnose and resolve system problems.
- Use Performance Monitor to collect system performance information.
- Configure the Action Center and view messages.
- Examine events in Event Viewer and create a custom view.
- Configure Device Manager and control device installation.
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