

MOC50219 Introduction to Windows 7 for Developers

Course Summary

Description

This course provides students with the knowledge and skills to appreciate the architecture, new features and application compatibility considerations of the Windows 7 operating system. Windows 7 is the latest client operating system release from Microsoft. Windows 7 offers improvements in performance and reliability, advanced scenarios for user interaction including multi-touch support at the operating system level, innovative hardware changes including sensor support and many other features. The course is packed with demos to provide an overview of the majority of new features in Windows 7, and the primary alternatives for interacting with them from managed code.

Objectives

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

- Explain the motivation for new user interaction features.
- Design backwards-compatible applications for Windows 7 and earlier versions of the Windows operating system.
- Improve application and system reliability and performance by taking advantage of the new Windows 7 features.

Topics

- Introduction to Windows 7

Audience

This course is intended for developers with Win32 programming experience in C++ or an equivalent experience developing Windows applications in a .NET language.

Prerequisites

Before attending this course, students must have:

- Working knowledge of Win32 fundamentals.
- Experience in Windows C++ programming.
- Experience in Windows applications development in a .NET language.

Duration

One day

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Course Outline

I. Introduction to Windows 7

This module explains how to use the various new features of Windows 7, how to prepare for the OS roadmap with regard to OS versions, bitness and editions, how to design backwards-compatible applications for Windows 7 and how to expand your knowledge of individual features.

- A. Windows Operating System Roadmap
- B. Highlights of Improvements
- C. The New Taskbar
- D. Shell Libraries
- E. Multi-Touch
- F. Sensors and Location
- G. Application Compatibility
- H. Trigger-Start Services

After completing this module, students will be able to:

- Explain the motivation for new user interaction features.
- Design backwards-compatible applications for Windows 7 and earlier versions of the Windows operating system.
- Improve application and system reliability and performance by taking advantage of the new Windows 7 features.