



To register or for more information call our office **(208) 898-9036** or email register@leapfoxlearning.com

Microsoft®

MS-VS2010 - Introducing Visual Studio 2010

Duration:

Traditional Instructor Led Learning -1 day

Software Assurance Vouchers Not Available

Introduction

This one-day instructor-led course will demonstrate the new features surrounding the release of Visual Studio.Net 2010, released April 12, 2010. This course is meant primarily for experienced .Net developers to see first-hand how the languages and technologies have been enhanced and expanded and how those changes will affect our productivity and development lifecycle. As a one day overview, this course covers an extreme number of topics in a short period of time. Since some topics cannot be addressed in great detail, additional labs, white papers, sample code and tools will be provided to help you get started using these exciting new changes. This could very well be the greatest shift in technology across the board since .Net was released almost 10 years ago. Don't miss out. Don't get left behind; Sign up today.

Audience Profile

Attendance should be limited to experienced .Net developers. However development managers may find it beneficial as an overview of the changes in efficiency and capability for continued .Net deployment. Some topics will be rather new to all developers such as F#; an entirely new .Net language! What do your competitors know about F# that you don't?

At Course Completion

After completing this course, students will be able to:

- Describe the key features related to Visual Studio 2010 and the .Net Framework 4.0.
- Understand the fundamental concepts behind the language F#.
- Describe the exciting new features in Visual Basic 10 and how the gap between VB.Net and C# just became microscopic
- Explain the broad reaching changes in C#4.0
- Understand how Windows Presentation Foundation can be leveraged in VS 2010
- Describe where Windows Communication Foundation fits into the grand development scheme
- Expand upon examples, code samples and labs that examine the use of ASP.Net 4.0, Parallel Extensions, Windows Workflow, ADO.Net 4.0 Services, Visual Studio Team System and the Managed Extensibility Framework.

Course Outline

Module 1: Overview of the Microsoft .NET Framework 4.0

This module describes the key features of the Microsoft .NET Framework 4.0

Lessons

- Overview of changes including
 - What's new in the .NET Framework 4.0 like the new Dynamic Language Runtime (DLR)
 - New BCL Improvements
 - Code Contracts
 - Type Equivalence, no PIA
- Live Code Demos
- Resources

Module 2: What's new in Visual Studio.Net 2010

This module dives into the amazing changes in a completely redesigned IDE and some of the features that will have an immediate impact on your development process and lifecycle..

Lessons

- Overview of Visual Studio.Net 2010 Feature Additions including
 - Breakpoint grouping, Breakpoint Labeling, Historical Debugging, Breakpoint Import Export, MiniDump Debugging,
 - Parallel Tasks Window, Parallel Stacks Window
 - WPF-Based Editor
 - Dynamic Data Tooling, SharePoint Tooling, MVC Tooling, Improved WPF Tooling
 - Call Hierarchy, Inline Call Tree
 - Concurrency Profiler
 - Extensible Test Runner
 - Generate From Usage
 - Reference Highlighting, JQuery Intellisense, HTML Snippets, Quick Search
 - Microsoft Office Click-Once Enhancements
 - 64-Bit Mixed Mode
 - Web.Config Transformation
 - Document Map Margin
 - Multi touch and ribbon UI Components for Windows 7 Development
 - Support for automated UI testing
 - Offline database schema development
 - High level discussion of the new F# language
- Live Code Demos
- Resources

Module 3: What's new in C#

This module explains some of the more exciting features that have been added to the C# Language.

Lessons

- Overview of some of the cooler Visual C# Feature additions including
 - Named and Optional Parameters
 - Dynamic Support
 - Co and Contra Variance
 - COM Interop
 - Temporary Variables
 - Essence vs. Ceremony
- Live Code Demos
- Resources

Module 4: What's new in Visual Basic 10

This module explains some of the more exciting features that have been added to the Visual Basic.Net Language.

Lessons

- Overview of some of the cooler Visual Basic 10 Feature additions including
 - lambda expressions
 - inline functions (multi line lambda)
 - collection initializers
 - PLINQ (parallel FX)
 - Auto Implemented Properties
 - Implicit Inline Continuation

After attending this course, students should expect to:

- Be comfortable navigating the Visual Studio 2010 integrated development environment (IDE).
- Explaining the new features for their perspective languages
- Understand how these features will affect them and their projects
- Walk away with code samples, demos and other resources related to Visual Studio.Net 2010
- Fully understand the location and scope of various online references for all technologies addressed in this overview.
- Understand the options for additional follow up training.

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