

Visual Studio 2013: What's New

page 1

Meet the expert: Mike Benkovich delivers technical presentations around the U.S. as a consultant, trainer, and former Developer Evangelist for Microsoft. He has worked in a variety of professional roles including architect, project manager, developer, and technical writer. Mike is also an author of two books, published by WROX Press and APress, that show developers how to get the most from their SQL databases. Since appearing in the 1994 Microsoft DevCast, Mike has presented technical information at seminars, conferences, and corporate boardrooms across America.

Prerequisites: This course assumes that students understand Visual C# 3.0 syntax, and have a basic understanding of the .NET Framework. No specific experience with Visual Studio 2013 is required.

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Course description: Visual Studio can be looked at as a code editor AND as a platform for building applications that use the .NET framework. It is a highly tuned interactive development environment (or IDE) that has some great features and capabilities that make the developer's job easier. Things like intellisense, code tag coloring and highlighting make it easier to read and write code efficiently and correctly. Code Completion, Goto Reference, and CodeMap help us explore and understand complex code. In this course we look at the many features of Visual Studio including the editors and the debugger, working with relational databases and the test project to see how you can get the most out of the tool.

Course outline:

Tour Visual Studio

- Introduction
- Visual Studio and .NET
- New In Visual Studio 2013
- Features From Previous Versions
- Visual Studio 2013 with MSDN Editions
- Demo: Visual Studio Tour
- Demo: Team Explorer
- Demo: Solution Explorer
- Demo: Scrollbar Options
- Demo: Navigation Stack
- Demo: Adding Comments
- Demo: Previewing Option
- Summary

Visual Studio Debugging

- Introduction
- Visual Studio Debugging
- Advanced Breakpoints
- Breakpoints
- Floating Data Tips
- Threading Window
- Parallel Tasks and Stacks
- Code Map
- Demo: Debugging
- Demo: Code Map
- Demo: Open Breakpoint Window
- Demo: Expression breakpoint

- Demo: Windows Project
- Demo: Remote Machines
- Summary

Working With Data

- Introduction
- Working with Data
- SQL Compare
- Demo: Working with Data
- Demo: View Data
- Demo: Compare Databases
- Demo: SQL DB Projects
- Summary

Testing

- Introduction
- Test Projects
- Load Testing with Windows Azure
- Demo: Creating Tests
- Demo: New Load Test
- Demo: Load Test Settings
- Demo: Coded UI Test
- Summary