

Enterprise Development Using Visual Studio (2 Day)

Visual Studio Enterprise edition provides the tools required by professional software development teams. This enables them to plan, design, test, and manage the DevOps of projects of any size or complexity.

Audience

This course is intended for members of a development team that use or plan to use Visual Studio Enterprise edition. Experience with Visual Studio Premium, Ultimate, or Enterprise Editions is a plus.

Course Outline

1. VISUAL STUDIO 2015 OVERVIEW

- Visual Studio components and editions
- Visual Studio ALM and DevOps tools
- Summary of enterprise tools and features

2. PLANNING AND TRACKING QUALITY

- Focusing on quality during the sprint
- Microsoft Test Manager
- Test case management and execution
- Web-based testing
- Exploratory testing
- Web and load testing

3. DESIGNING FOR QUALITY AND SCALE

- Exploring and understanding existing code
- Architecture modeling tools and diagrams
- Layer diagrams
- Incorporating stakeholder feedback

4. TESTING DIFFICULT CODE

- Visual Studio diagnostic tools
- Using IntelliTest to generate unit tests
- Fakes framework (stubs and shims)
- Using IntelliTrace to trace execution history
- CodeLens