

# Visual Studio & TFS 2012 Overview Training

## 2-Day Class

### 19/20 November at Bytes in Midrand

This **two-day instructor-led course** provides students with the knowledge and skills to understand and embrace the great new features coming for the next version of the Visual Studio application lifecycle management tools. We will present, demonstrate, and discuss the new capabilities for application design, test management and execution, development standards and collaboration, automated build and release management, database schema management, and test lab management. By the end of the course, students are equipped to better understand how Visual Studio 2012 can be used within their organizations.

#### Audience Profile

This course is intended for Enterprise IT Staff who are already using Microsoft's Visual Studio application lifecycle management tools in their daily activities. It does not cover all of the existing features in Visual Studio 2012 but instead builds upon those capabilities to prepare you to adopt Visual Studio 2012.

#### At Course Completion

After completing this course, students will be able to:

- Work with and configure agile teams
- Perform backlog management with team web access
- Plan and manage iterative development (sprints)
- Capture lightweights requirements with storyboarding
- Develop templates and shapes for storyboarding
- Work with new TFS version control features
- Use the new unit test runner
- Perform unit testing with non-Microsoft frameworks
- Use Microsoft Fakes to isolate units of code
- Streamline developer workflow and code reviews
- Detect duplicate/redundant code
- Manage database projects with SQL Server Development Tools
- Collect and manage stakeholder feedback with TFS
- Perform exploratory testing with Microsoft Test Manager
- Work with Lab Management
- Capture IntelliTrace in production environments
- Understand the approach and impact to upgrading from Visual Studio 2010

## Course Topics and Labs

*NOTE: All possible training modules are included below. Actual included modules & labs will depend on your areas of interest.*

### Upgrading to Visual Studio 2012 ALM

- Understanding the lab environment

### Agile Management with TFS 2012

- Understanding Teams
- Backlog Management
- Sprint Planning and Management

### Storyboarding and Requirements with VS 2012

- Updating an existing storyboard
- Creating and sharing a storyboard and shapes

### Version Control Enhancements for VS 2012

- Working with Local Workspaces

### Unit Testing Enhancements in VS 2012

- Using the unit test runner
- Unit testing with xUnit and VS 2012
- Creating unit tests with Microsoft Fakes

### Developer Workflow with VS 2012

- Performing code reviews
- Detecting Code Clones

### Database Development with SQL Server Developer Tools

- Working with database projects in SSDT

### Obtaining stakeholder feedback with VS 2012

- Requesting Feedback
- Responding to a Feedback request

### Working with Microsoft Test Manager 2012

- Working with Microsoft Test Manager
- Test Plans and Configuration with Microsoft Test Manager
- Exploratory Testing with Microsoft Test Manager

### Lab Management with VS 2012

- Creating a standard environment
- Automated build, deploy and test with standard environments

### Operations and ALM

- Capturing IntelliTrace in Production

### Team Foundation Service

### Upgrading from VS 2010 TFS

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*Imaginet is Microsoft's 2011 ALM Partner of the Year, a Microsoft Gold Certified Partner with ALM Competency, and a Visual Studio Inner Circle Partner. We have the highest level of expertise with Microsoft technologies and a close working relationship with Microsoft. We also have multiple Microsoft Regional Directors, TFS Rangers, Virtual Technical Specialists, and many Microsoft MVPs on staff. This unique relationship allows us to continually deliver solutions that not only meet today's requirements but are also positioned for the future.*

<p><b>ALM</b></p>  <p>Microsoft Visual Studio</p>	<p><b>Custom Development</b></p>     <p>Microsoft   Business Intelligence</p>  	<p><b>Imaginet Interactive</b></p>     <p>A Microsoft Subsidiary</p>  	<p><b>Platform</b></p>    	<p><b>Portals &amp; Collaboration</b></p>   
<p><b>Project</b></p> 	<p><b>Cloud</b></p>    			