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# *Scrum Development for Teams*

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## **Using Microsoft Visual Studio and Team Foundation Server 2010**

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Microsoft Visual Studio (VS) and Team Foundation Server (TFS) deliver the tools for modern age teams that enable work on a complex project or multiple projects simultaneously. These tools support teams in distributed work patterns. Many organizations are moving to a more effective agile development process with the aim of delivering more business value more quickly. Scrum has become the mostly widely recognized agile method of choice and has established a solid track record of success. This course unites the Scrum Product Development process with concrete practices in tools.

This powerfully effective 5-Day Hands-On Training Course teaches teams to implement the guiding principles, practices and processes that make teams truly agile using Microsoft Visual Studio and Team Foundation Server.

With the addition of new tools to manage the test plans, it is much easier for organizations to realize the promises of agile and Scrum. Learning how to leverage the power of Team Foundation Server for your team and enterprise requires the knowledge and skills needed to participate effectively on a Scrum team. You will learn how the roles of Scrum, the principles of agile planning, analysis, and development can be implemented in a TFS environment.

### **A Whole-Team Approach:**

This course includes instruction and hands-on learning for all the skills of the Scrum team. Students will learn about Product Management, Agile Testing and effective Development skills including:

- Portfolio Management
- Release Planning / Release Acceptance
- Sprint Planning / Sprint Review / Sprint Retrospectives and Reflection
- Acceptance Test Specification
- Product Backlog Management
- Continuous Integration / Automated Builds
- Test Driven Development
- Code Quality
- Refactoring

**Complete Scrum Team Training:**

- Learn how to implement Scrum based Software Development
- Learn how to execute the roles of Scrum and the Scrum process
- Learn how to apply the principles of agile planning, analysis, and development
- Learn how to use Agile Estimation and Analysis to deliver business value
- Learn how to optimize code quality and sustainability with Acceptance Test Driven Development and Unit Test Driven Development
- Learn how to create and manage multiple platform test plans
- Learn about the challenges of agile adoption in the modern enterprise

**Learn About Using Team Foundation Server:**

This course will include hands-on exercises using TFS to create and manage a project in a large and distributed team environment.

- Use of Source Control
- Automated Build Process
- Continuous Integration
- Test Plans and Test Case Management
- Test Driven Development
- TFS Reporting and Project Status Monitoring with Sprint and Release Burn-downs or Burn-up charts
- Basic customization of TFS

**Target Audience:**

The entire Scrum team including developers, testers, product management, project facilitators / ScrumMasters are encouraged to attend.

**Prerequisites:**

There are no prerequisites for students. The student is, or soon will be, a member of a Scrum team. Ideally, the entire Scrum team will take the course together.

