

Team Foundation Server 2013 Developer Foundations

[TFSD2013](#) | 2 Days



Microsoft's Team Foundation Server (TFS) is ideal for teams of any size. Having an experienced TFS administrator is not enough, however. Every developer on the team needs to know the basics. This two-day course will introduce you to TFS' foundational capabilities so that you can plan, track, and manage work while ensuring high-quality code in your next project.

Course Objectives

At course completion, attendees will have had exposure to ...

- ✓ Visual Studio's ALM tools and capabilities
- ✓ Comparing TFS and Visual Studio Online (VSO)
- ✓ Planning and creating team projects
- ✓ Selecting an appropriate process template
- ✓ Using Team Explorer to manage team projects
- ✓ Configuring a team project for their team's needs
- ✓ Creating, querying, and managing work items
- ✓ Using Team Web Access (TWA) as a TFS client
- ✓ Using TWA's Agile planning tools
- ✓ Configuring alerts and notifications
- ✓ Collaborating with others inside a Team Room
- ✓ Using Microsoft Office as TFS client
- ✓ Charts and reports
- ✓ Selecting the appropriate version control system
- ✓ Using Team Foundation Version Control
- ✓ Using Git version control system
- ✓ Configuring a workspace
- ✓ Basic and advanced version control scenarios
- ✓ Associating work items during check-in
- ✓ When, why, and how to branch code
- ✓ Using the MSSCCI provider from other, legacy IDEs
- ✓ Creating and running C# unit tests
- ✓ Calculating and using code coverage
- ✓ Using Visual Studio to perform a code review
- ✓ Using Code Metrics, Code Analysis, & Code Clone Analysis to identify and manage technical debt

Who Should Attend

This course is intended for anyone who uses Visual Studio to develop application as part of a team. Attendees should be comfortable using a current version of Windows and be able to read and understand C# code.

Modules

Module 1: Team Projects

- ✓ Create a team project collection
- ✓ Create a team project
- ✓ Configure security, team, areas, and iterations
- ✓ Use Team Explorer and Team Web Access

Module 2: Work Items and Queries

- ✓ Create, manage, and link work items
- ✓ Create work item queries
- ✓ Use Team Web Access, MS Excel, and MS Project
- ✓ Chart work items

Module 3: Planning and Tracking Work

- ✓ Create and manage a product backlog
- ✓ Plan and track work during a sprint
- ✓ Use TWA's Agile planning tools
- ✓ Use a Team Room to collaborate with others

Module 4: Version Control

- ✓ Setup and use TFS version control system
- ✓ Setup and use Git version control system
- ✓ Associate work items during check-in
- ✓ Branch and merge code effectively

Module 5: Ensuring Code Quality

- ✓ Create, run, and refactor C# unit tests
- ✓ Calculate Code Coverage
- ✓ Use Code Metrics and Code/Code Clone Analysis
- ✓ Conduct a Code Review

Module 6: Automating the Build Process

- ✓ Configure Team Foundation Build
- ✓ Create, queue, and monitor a build
- ✓ Override a build's default behavior
- ✓ Use Team Explorer and Team Web Access

Course Designer

This course was designed by Richard Hundhausen, a Visual Studio ALM MVP, Microsoft Regional Director, and an experienced software developer and trainer. To see other developer courses, visit www.accentient.com.

