

## **WLC-TFS1202: Using Team Foundation Server 2012 Version Control and Testing Features**

**Three days, Instructor-Led**

### **About this course**

This 3-day, instructor-led course provide you with all the information that you need to speed with Team Foundation Server 2012 (TFS 2012). It covers the features of Visual Studio Team Foundation Server 2012 that are relevant to implementers and testers using the .Net Framework and related technologies.

### **At Course Completion**

After completing this course, students will be able to:

- Use the and familiarize with the IDE of Visual Studio Team Foundation Server 2012
- Use the Version Control features of TFS 2012
- Use the Testing features of TFS 2012

### **Prerequisites**

It would be ideal for the participants to have worked in a development project so as to better appreciate the necessity of version control in collaborative work. Students also must value testing as a requirement for project success.

### **Course Outline**

#### **Module 1: Team Foundation Server 2012**

This module introduces the Team Foundation Server 2012.

#### **Lessons**

- Introduction to Team Foundation Server 2012
- Connect TFS to Visual Studio 2012
- Creating Project and add Solution to Source Control

- Creating a New TFS Collection
- Connect to TFS and Create a Project using the VS 2012

### **Laboratory Exercises**

After completing this module, students will be able to:

- Connect TFS to Visual Studio 2012
- Creating Project and add Solution to Source Control
- Creating a New TFS Collection
- Connect to TFS and Create a Project using the VS 2012

## **Module 2: Version Control**

This module explains how to use version control in visual studio team system Team Foundation Sever IDE.

### **Lessons**

- Introduction to Version Control Parallel Development
- Version Control: Changesets
- Version Control: Workspace
- Version Control: Shelving
- Version Control: Branching and Merging
- Version Control: Compare/Diff (Annotation)
- Version Control: Labeling

### **Laboratory Exercises**

After completing this module, students will be able to:

- Configure Visual Studio to use Team Foundation version control
- Add a Project to Version Control
- To check in pending changes for the solution to version control
- To add a file to a version-controlled project
- To edit an existing file in a version-controlled project
- To get the latest version from the server to your workspace and build
- How to find Changeset? To find a Changeset
- To create a workspace to manage your source-controlled files
- To add a working folder to a workspace
- To remove a working folder from a workspace

- To edit a workspace
- To cloak folders in a workspace
- To create a workspace by using the Manage Workspaces dialog box
- To create a workspace by using the Map to Local Folder option
- To remove a workspace
- To shelve folders and files from Source Control Explorer
- To unshelve a set of pending changes
- To find and Delete a shelve set
- To apply a label from Source Control Explorer
- To associate a file type with a third-party compare tool
- Compare Two Files
- To compare folders using Folder Difference
- Working with Team Foundation Server Code Branches
- Branching and Merging Visualization

### **Module 3: Testing Tools**

This module introduces how to use Microsoft Test Manager as testing tools in development project.

Microsoft Test Manager can be used to organize your test plans, author and manage your test cases, and run manual tests etc.

#### **Lessons**

- Introduction to Microsoft Test Manager
- IntelliTrace
- Web Programming Test
- Coded UI Test
- Manual Testing
- Test Planning
- Test Case Management

#### **Laboratory exercises**

In this lab you will be introduced to working with Microsoft Test Manager.

After completing this module, students will be able to:

- Introduction to IntelliTrace
- Using IntelliTrace with Call Information
- Creating Web Performance Tests
- Load Testing

- Executing & Analyzing Load Tests
- Introduction to Code Generation from Action Recordings
- Introduction to Code Generation using Coded UI Test Builder
- Data Driven Demonstration for Coded UI Test
- Data Driven Demonstration for Coded UI Test
- Authoring a Manual Test Plan
- Running a Manual Test Plan
- Analyzing Manual Test Results
- Creating Shared Step
- Creating and Configuring a Test Plan
- Adding Test Suites and Test Cases to a Test Plan
- Creating and Adding Requirements to a Test Plan
- Managing Test Suites and Test Cases
- Analyzing Test Runs
- Selecting Builds to Test Against

**Course Inclusions:**

- Microsoft Official Curriculum (MOC) and/or Wizards Learning Courseware (WLC)
- Microsoft Certified Trainer (MCT)
- Lunch, AM and PM Snacks
- Certificate of Achievement
- Course Note