



## **Administering Team Foundation Server 2010**

Course No. 50430    4 Days    Instructor-led, Hands-on

### **Introduction**

This course provides students with the knowledge to manage Microsoft Team Foundation Server 2010. It also focuses on the technologies used in Team Foundation Server 2010 and the techniques used to deploy, manage and support Team Foundation Server 2010.

This course is intended for novice experienced administrators with either a background in software development or a background in system administration. This course is intended to provide administrators with knowledge to effectively manage and administer TFS 2010. This course is not intended to provide developers with comprehensive knowledge covering how to use Team Foundation Server to support development, but instead provides administrators with the requisite knowledge to manage Team Foundation Server in a development environment.

### **Prerequisites**

In addition to the professional experience, this course requires that student meet the following prerequisites:

- 6-12 months of professional programming experience with Visual Studio 2010.

### **Course Materials**

The student kit includes a comprehensive workbook and other necessary materials for this class.

### **Course Outline**

#### **Module 1: Introduction to Team Foundation Server Administration**

- What is Application Lifecycle Management?
- Visual Studio and Application Lifecycle Management
- What is Team Foundation Server?
- Overview of the Development Process
- TFS Components and Terms
- Role of the Administrator in the Development Process
- TFS Administration Overview
- Lab : Becoming Familiar with Hyper-V

**Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>**



## **Module 2: Planning and Deploying TFS 2010**

### Lessons

- TFS Topologies
- Architectural requirements, Hardware considerations and Software considerations
- Networking requirements including firewall and ports
- Domain, Workgroup and Service accounts
- SQL Server and SharePoint requirements
- Topology considerations for small teams, single server, existing infrastructure or more than 1 server, and server farms
- Planning for Version Control Proxy
- Lab : Installing TFS

## **Module 3: Configuration and Operations of TFS 2010**

### Lessons

- Default TFS Security groups and configuring permissions
- Managing team project collections and team projects
- Managing the TFS build System
- Configuring Reporting and Analysis Services
- Lab : Working with Team Project Collections and Team Projects
- Lab : Configuring Security and Permissions
- Lab : Reconfiguring Reporting and Analysis Services

## **Module 4: Client Connectivity**

### Lessons

- Client Connectivity License Requirements
- IDE Configuration for TFS Integration
- Team Explorer 2010
- Microsoft Office Connectivity
- Team Web Access
- Configuring Visual Studio and Team Explorer for Proxy Server
- Resolving TFS connectivity issues
- Lab : Add Work Items Using Excel
- Lab : Use Team Web Access to connect to TFS

## **Module 5: Customization of Team Projects**

### Lessons

- Managing Work item Queries
- Customizing Work items and Workflow
- TFS Power tools
- Reporting
- Lab : Working with Queries
- Lab : Administering Work Items
- Lab : Setting up Alerts



## **Module 6: Administering Version Control**

### Lessons

- Managing Workspaces
- Administering Branching and Merging
- Managing Shelvesets
- Lab : Administering Version Control

## **Module 7: Upgrading, Migrating, and Integration**

### Lessons

- Upgrading to TFS 2010
- Migrating to TFS 2010
- Visual Source Safe Migrations
- Integration with TFS

## **Module 8: Advanced Administration**

### Lessons

- Validating an installation
- Manual configuration of SharePoint and reporting services post-installation
- Advanced management of TFS Application and Data Tiers
- Rebuilding the Warehouse
- Service Account management
- Version Control Proxy Deployment
- Fault Tolerant Solutions
- Lab : Configuring Email Alerts
- Lab : Deploy and Configure a Version Control Proxy
- Lab : Deploy a new Build Controller
- Lab : Deploy a new Application Tier

## **Module 9: Backup, Restore and Monitoring TFS 2010**

### Lessons

- Backing Up TFS 2010
- Restoring TFS 2010
- Monitoring TFS 2010
- Lab : Monitoring TFS 2010