

6215 – Implementing and Administering Microsoft Visual Studio 2008 Team Foundation Server

Vendor Course Code: 6215

Course Length: 2 days

Overview: This two-day instructor-led course provides students with the knowledge and skills to implement and administer Microsoft Visual Studio 2008 Team Foundation Server. The course focuses on installation and configuration details, team projects, work items, version control, Team Build, and reporting.

Course #6215A can be offered as a standalone module or with the survey course, #6214A. The two courses combined would make it a five day ILT.

Skills Gained:

After completing this course, students will be able to:

- Install and configure Microsoft Team Foundation Server.
- Administer Team Foundation Server and team projects.
- Customise process templates and work items.
- Configure Team Foundation Server version control.
- Administer a Team Build.
- Describe the architectural components and management of team project reporting.

Key Topics:

Module 1: Installing and Configuring Microsoft Team Foundation Server (TFS)

This module explains how to install and configure Microsoft Team Foundation Server (TFS). The module also provides an overview to the basic concepts of TFS.

Lessons
Planning a TFS Deployment
Planning a TFS Installation
Installing TFS
Validating Installation
Configuring TFS Components

Lab: Administering TFS Instances and Team Projects
Installing TFS
Verifying TFS Installation

After completing this module, students will be able to:

- Plan a TFS deployment.
- Plan a TFS installation.
- Install TFS.
- Validate installation.
- Configure TFS components.

Module 2: Administering Team Foundation Server Instances and Team Projects

This module explains how to manage instances, users and groups, team projects, administration, and security in Team Foundation Server.

Lessons
Managing a TFS Instance
Managing Team Projects
Configuring Authorisation and Security for TFS
Managing TFS Users and Groups
Managing TFS Health and Availability
Selecting a Disaster Recovery Plan for TFS

Lab: Administering TFS Instances and Team Projects

Creating Project Groups
Creating a Project
Authorising Access to a Project
Securing SharePoint Services
Securing SQL Server Reporting Services

After completing this module, students will be able to:

- Manage a TFS instance.
- Manage team projects.
- Configure authorisation and security for TFS.
- Manage TFS users and groups.
- Manage TFS health and availability.
- Select a disaster recovery plan for TFS.

Module 3: Administering and Customising Process Templates

This module explains how to customise process templates and work items.

Lessons
Managing Methodology Templates
Managing Process Guidance
Administering Process Templates
Creating Work Item Query Language (WIQL) Queries
Modifying Work Item Types
Modifying a Work Item Type Workflow

Lab: Customising Process Templates
Exploring an Existing Process Template
Customising a Process Template
Customising Work Item Types

After completing this module, students will be able to:

- Manage methodology templates.
- Manage process guidance.
- Administer process templates.
- Create Work Item Query Language (WIQL) queries.
- Modify work item types.
- Modify a work item type workflow.

Module 4: Administering Team Foundation Server Version Control

This module explains how to configure TFS version control.

Lessons
Setting up Team Foundation Version Control
Working with Team Foundation Version Control
Advanced Functionality of Version Control
Team Foundation Version Control Extensibility

Lab: Administering TFS Version Control
Determining Requirements for Migration to TFS Version Control
Migrating Visual SourceSafe Projects
Configuring Version Control Security

After completing this module, students will be able to:

- Set up Team Foundation version control.
- Work with Team Foundation version control.
- Work with advanced functionality of version control.
- Describe Team Foundation version control extensibility.

Module 5: Administering Team Foundation Build

This module explains how to administer Team Foundation Build.

Lessons
Introducing Team Foundation Build

Configuring Team Foundation Build Definitions
Running a Team Build
Extending Microsoft Team Build

Lab: Administering a Team Build
Create a Continuous Integration Build
Create Scheduled Build
Extend Team Build Using the Team Build API

After completing this module, students will be able to:

- Introduce Team Foundation Build.
- Configure Team Foundation Build definitions.
- Run a Team Build.
- Extend Microsoft Team Build.

Module 6: Managing Team Project and Reporting

This module explains how to manage and create team projects. It also describes the architectural components of reporting, best practices for template design reporting, and the troubleshooting exercise.

Lessons
Overview of Reporting
Architectural Components of Reporting
Process Template Design for Reporting
Managing Reports
Creating Custom Team System Reports
Troubleshooting the Data Warehouse

Lab: Managing Team Project and Reporting
Creating the Report Server Project
Creating the Data Retrieval Query for the Report
Designing the Report Layout
Deploying the Team Project Report

After completing this module, students will be able to:

- Explain the features of reporting.
- Explain the architectural components of reporting.
- Explain the process template design for reporting.
- Manage reports.
- Create custom team system reports.
- Troubleshoot the data warehouse.

Target Audience:

This course is intended for experts who install, configure, and manage Microsoft Team Foundation Servers and Team System projects. The intended audience for the course work either as a team leader or server administrator in an enterprise development organisation.

Prerequisites:

The target audience is expected to meet the following prerequisites:

- VS 2008 Team System 200 level knowledge and skills.
- Familiarity with VSTS SKU's and basic features or with concepts taught in Course# 6214A.
- Experience using Virtual PC software, Visual Studio IDE, Windows SharePoint Services 2.0, and SQL Reporting Services.
- Proficiency using Microsoft Windows operating system.
- Experience with previous versions of Microsoft Visual Studio.
- Some experience with a .NET language (VB.NET/C#).
- Experience working in a software development team.