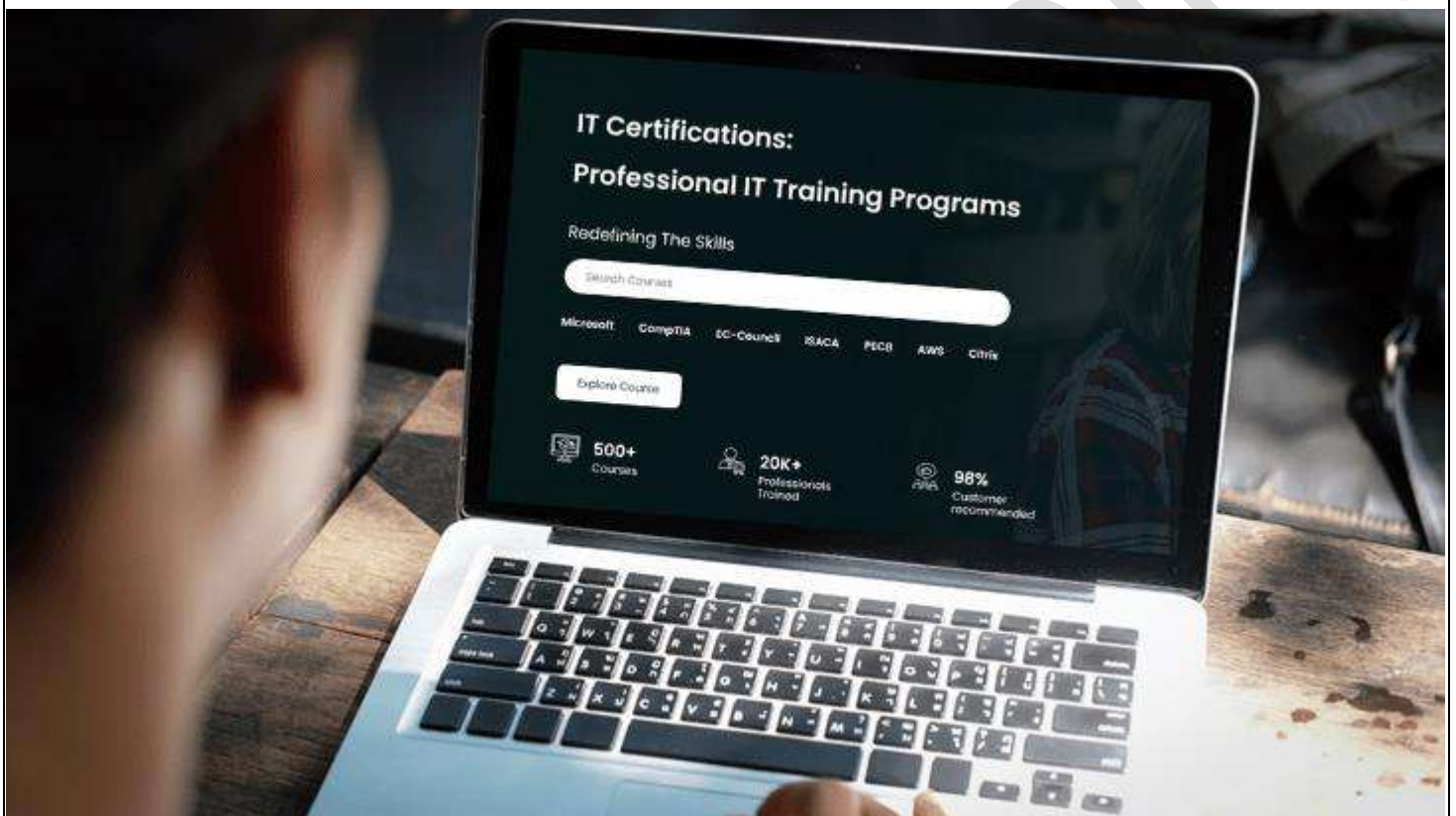# 55172: MANAGING DEVELOPMENT WITH TEAM FOUNDATION SERVER 2015 TRAINING

Duration: 2 Days

Course Description

This two-day instructor-led is designed for application developers and application development managers interested in utilizing Visual Studio Team Foundation Server 2015 to achieve development projects.

In this course, professionals will learn how to configure Visual Studio Team Foundation Server 2015 and manage the application development life-cycle with Visual Studio Team Foundation Server (TFS) 2015.

This training is designed based on the objectives of the course variant 55172A.

Training Exclusives

- Live instructor-led interactive sessions with Microsoft Certified Trainers (MCT).
- Access to Microsoft Official Courseware (MOC).
- Real-time Virtual Lab Environment.
- Experience 24*7 Learner Support.
- Self-paced learning and flexible schedules.

Who should attend this course?

- This course is intended for both programmers who have experience in developing applications with Visual Studio.

What you will learn

- Configure and Manage Visual Studio Team Foundation Server 2015
- Manage a development project with Visual Studio Team Foundation Server 2015

Prerequisites

- Experience with developing using Visual Studio
- Basic understanding of application development life-cycle

Curriculum

Module 1: Overview of TFS 2015

This module explains basic concepts of TFS 2015 and basic configuration steps.

- Overview of TFS
- What's New in TFS 2015
- Connect to TFS 2015
- Configuring TFS 2015

Lab1: Overview of TFS 2015

- Create a Project Collection
- Connect Team Explorer to TFS

After completing this module, students will be able to:

- Describe the key feature of TFS 2015

- Configuring TFS 2015
- Using Team Explorer

Module 2: Application Life Cycle Management with TFS

This module explains overview of different application development methodologies supported and overview of the use of project portal

- Overview of TFS Process
- Overview of Agile Tools
- Using Project Portal for Issue Tracking

Lab1: Application Life Cycle Management with TFS

- Creating Work Item
- Linking Work Item

After completing this module, students will be able to:

- Describe Application life-cycle methodologies Supported
- Describe the use of TFS process
- Understanding of Agile tools available in TFS
- Overview of Project Portal and basic issue tracking

Module 3: Managing Project with Agile Development Method

This module explains how to use Agile process template for managing application development projects.

- Overview of Agile Development Methodologies
- Managing Agile Projects with TFS

Lab1: Managing Project with Agile Development Method

- Creating Agile Project
- Create User Feature

After completing this module, students will be able to:

- Understand Agile Development Methodologies
- Manage project with Agile process template

Module 4: Managing Project with SCRUM Development Method

This module explains how to use SCRUM process template for managing application development projects.

- Overview of SCRUM Development Methodologies
- Managing SCRUM Projects with TFS

Lab1: Managing Project with SCRUM Development Method

- Creating SCRUM Project
- Create Product Backlog Item

After completing this module, students will be able to:

- Understand SCRUM Development Methodologies
- Manage project with SCRUM process template

Module 5: Managing Project with CMMI Development Method

This module explains how to use CMMI process template for managing application development projects.

- Overview of CMMI Development Methodologies
- Managing CMMI Projects with TFS

Lab1: Managing Project with CMMI Development Method

- Creating CMMI Project
- Create Test Cases

After completing this module, students will be able to:

- Understand CMMI Development Methodologies
- Manage project with CMMI process template

Module 6: Managing Source Code with TFS

This module explains how to use TFS to manage source code

- Version Control System
- Using Team Foundation Version Control
- Using Git
- Managing Version Control

Lab1: Managing Source Code with TFVC

- Create TFVC Repository
- Configure Check-in Quality Check

Lab2: Managing Source Code with TFS Git

- Create Git Repository
- Using Git in Visual Studio

Lab3: Controlling Access to Source Control

- Exercise 1: Restrict Access to Source

After completing this module, students will be able to:

- Describe what is TFS version control system
- Describe using TFVC for version control
- Describe using Git with TFS
- Managing TFS version control repository

Module 7: Using Continuous Integration Build

This module explains how to configure TFS to perform continuous integrations for application projects

- Requirements for Using Continuous Integration Build
- Configuring Continuous Integration Build

Lab1: Using Continuous Integration

- Install Build Agent
- Configure Build Definition
- Using Gated Check-in
- Using Unit Test with Continuous Build

After completing this module, students will be able to:

- Describe what is continuous integration build
- How to configure continuous integration build

Module 8: Using Release Management

This module explains the key features related managing and automating release process with TFS

- Overview of Release Management
- Requirements for using Release Management
- Configuring Release Management

Lab1: Using Release Management

- Configure Release Definition
- Test Release Management

After completing this module, students will be able to:

- Describe what is release management
- How to configure release management

Module 9: Reporting

This module explains how to generate application development reports to support the application life-cycle management

- Overview of Reporting
- Configuring TFS Reporting
- Configuring Excel Reporting

Lab1: Reporting

- Configure TFS Reporting
- Accessing Excel Reports

After completing this module, students will be able to:

- Describe what is difference between different reporting approach in TFS
- How to configure reporting in TFS

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