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## Using Team Foundation Server                    (2 days)

## Course overview

Team Foundation Server is a Microsoft product offering source control, data collection, reporting, and project tracking, and is intended for collaborative software development projects. This course teaches you how to use TFS and covers team development best practices for version control.

## What you'll learn

- Understanding TFS capabilities
- Managing branches and version control
- Managing merges
- Working with team builds
- Using Workflow features

## Prerequisites

- Development experience in .NET

## Course details

- **Introduction to Team Foundation Server:** Software Development processes; TFS Architecture; Key Features

- **Branching and Version Control:** Why use a version control system; Branching Models; Branches v. Labels v. Folders; Sharing code across Projects; Builds and Branches

- **Fundamental Operations:** Setting up a connection; Creating a workspace; Get latest; Pending changes

- **Branch Policies:** Policies and Branches; Access Control Policies; Custom Path Policies; Creating a Custom Policy

- **Merging:** Viewing Merge History; Viewing Changes; Determining Merge Candidates and Conflicts; Rolling back

- **Team Builds:** Overview; Builds from labelled source files; Source code submission; Desktop and distributed builds

- **Workflow and TFS:** Out-of-the box Workflow Features; Overview of Windows Workflow Foundation; Tracking; Persistence