

Azure DevOps Training: Configure, Code, Build & Release - TFSVC (TFSCOMP, 4 jours)

Description

The course Configure, Code, Build & Release - TFSVC (TFS Training) explores every aspect of Software Development with TFS. The course begins with the technology infrastructure that underpins a TFS environment and includes a general discussion of SCRUM and Product Backlog grooming. The course delves into the design and use of code branches and covers every aspect of writing, comparing and merging production code in an Agile context with TFS and TFS based version control. This is followed by a practical & hands-on section on agent pools, automated build & release and the implementation of continuous integration. The training concludes with practical full lifecycle example of continuous integration in the context of an IIS web application based on ASP .NET.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Exploring Azure DevOps

The Role of Azure DevOps

Exploring Azure DevOps Architecture

Preparing for Azure DevOps: The Processes

Preparing for Azure DevOps: The Technology

Overview of Server Installation

Completing the Configuration

Implementing Continuous Integration: Concepts and Technology

Project Collections and Team Projects

Comparing Git and Azure DevOpsVC

Understanding the Role of the Project Collection

Creating the Team Project: Choosing a Version Control Format

Creating the Team Project: Choosing a Project Template

About Project Configuration

Exploring Azure DevOps Security: Users and Roles

Exploring Project Security: User and Roles

Exploring the Team Portal

SCRUM Fundamentals and Preparation

Understanding SCRUM

Understanding the Structure of Sprints

Creating a Product Backlog: Epics and Features

Moving towards the Sprint: Sprintable PBIs

Configuring Areas and Iterations

Creating Work Items and Associations

Writing Custom Queries

Working in the Portal

About Continuous Integration

Working with Branches

The Importance of a Good Branching Strategy

Understanding Master, Development, Feature and Hot Fix Branches

Setting up your Workspace

Creating the Master and Development Branches

Making Appropriate use of Labels

Best Practices for Branching and Merging

Working with Code

The Mechanics of Check-In and Check-Out

Viewing Code Modification History

Comparing Code Versions

Dealing with Conflict

Using Labels

Using Shelvesets

Linking Code to Work Items

Merging Changes from Feature to Development

Merging Changes from Development to Master

Implementing Hot Fixes

Ensuring Proper Change Authorization

Build and Release

Setting Build Policies

About Agent Pools and Build Architecture

Creating Agent Pools and Configuring Agents

Creating and Scheduling a Build

Adding Release Capabilities

Configuring a Release

Setting up Continuous Integration

Continuous Integration with IIS Web Applications

Understanding IIS architecture and components

Creating the IIS Web Application

Creating the Release Definition

Making Code Changes and Observing Automated Build and Deployment