

Azure DevOps Training: Configure, Code, Build & Release - Git (TFSGIT, 4 jours)

Description

The course Configure, Code, Build & Release - Git (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 details of Git in the context of code branch design & use and covers every aspect of writing, comparing and merging production code in an Agile context with TFS. 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

Exploring Git

Working with a Distributed Source Code Control

Understanding Git Branches

Setting up Git the Right Way

Creating the Repository

Adding Files to the Repository

Committing Files to the Repository

About Checkout and the Snapshot Approach

Working with Tags

Working with the Stash

Working with Git Branches

Adding Remote Branches

Understanding Pushing and Pulling

Understanding Merging and Syncing

What rebase Does

The Need for Pull Requests

Completing a Pull Request

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

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