SETC Training Corporate Logo

Azure DevOps Training: Implementing Azure DevOps Server (NFTFS, 4 jours)

Description

Team Foundation Server is a fully integrated management tool for application development. Microsoft Team Foundation Server allows code development organizations to store their code in a version control database while managing every aspect of their application development projects from requirements to bug tracking to work item tracking to reporting. In its full expression, Microsoft Team Foundation Server provides full support for iterative software development activities. The course Implementing Microsoft Team Foundation Server (TFS Training) provides participants with a comprehensive overview of the Team Foundation Server environment including creating projects, managing Git repositories, managing branches as well as planning and implementing daily builds & deployments.

Tarifs

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

Plan de cours

Best Practices of Software Engineering

- What is a Good System?
- Characteristics of Good Software Solutions
- Iterative Development
- Requirements Management
- Ongoing Verification of Software Quality
- Use of Component-Based Architectures
- Control of Software Changes
- Symptoms and Causes of Problems

Installation and Configuration

- Requirements
- The Installation Process in a Nutshell
- Install Windows Server
- Configure Windows Server IIS Services
- Install the Microsoft .NET Framework
- Enable ASP.NET
- Create user or domain accounts
- Install/Configure SQL Server
- Confirm SQL Server Services
- Install Azure DevOps
- Install Team Build on the Azure DevOps Server
- Client Configuration

VSTS Azure DevOps

- Visual Studio Team System Overview
- Azure DevOps Overview
- Azure DevOps Physical Structure
- Azure DevOps Security Architecture

Advanced Security and Customization

- Azure DevOps Security Concepts
- Team Foundation Security for Users and Groups
- Viewing Azure DevOps User/Group Permissions

Changing Azure DevOps User/Group Permissions
Managing Teams through Azure DevOps Customization
Using Azure DevOps with SSL
Exploring Requirements
Systems Analysis
Design Perspectives
Functional and Non-Functional Requirements
Use Cases and the Analysis Process
Use Cases in the Software Development Process
Use Cases and Requirements
Iterative and Agile Software Development
Overview
The Unified Process
Agile Software Development
Setting Up the Azure DevOps Environment
Hardware and Software Planning
Azure DevOps and Visual Studio Licensing
SQL Server 2016 with Reporting Services
Windows Server Azure DevOps Accounts
Azure DevOps Installation Overview
Azure DevOps Database Backup/Recovery Planning
Azure DevOps and SharePoint
Overview
Team Project Document Management
Process Overview
Overview
Creating Team Projects
Version Control
Work Items
Work Item Tracking
Build Management
Testing
Project Management
Project Reporting and Metrics
Team Projects
Team Projects
Team Project Artefacts
Azure DevOps Security Accounts
Creating a New Team Project using a Process
Deleting Team Projects
Creating a Team Project-Specific Group
Granting Access to Team Project Services
Planning and Deploying Team Structure/Process
Strategies for Employing Team Projects
Providing Substructure within a Team Project
Team Projects and Solution/Process Frameworks
Team Projects Physical Definition
Agile Development and CMMI Process Improvement Templates
Team Project Work Items/Work Item Types
Customizing Process Templates

Azure DevOps Template Customisation and Tools

Source Code Control

Azure DevOps vs. Visual SourceSafe
Structuring Team Projects for Version Control
Deciding What to Put into Version Control
Establishing the Initial Baseline for Your Project
Team Foundation Version Control
Managing Change and Sharing Information
Creating a Code Branch
Policing/Protecting Projects

Using Team Foundation Build

Software Construction and Building Overview
Making a Build Validation Test
Setting Team Build Permissions
Creating Team Build Definitions
Queuing and Running a Build Definition
Scheduling a Command-Line Daily Build
Integration Build
Deleting Build Products

Data Reporting

Azure DevOps Reporting
Work Item Tracking
Using Team Project Data Reports
Viewing Built-In Team Project Reports
Microsoft Excel Data Reporting/Integration
Accessing Data in the Azure DevOps Relational Database

Advanced Security and Customization

Azure DevOps Security Concepts
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Case Study

Existing VB.NET Solution Overview
Creating a Team Project and Adding the Solution
Adding Work Items and Supporting Documents
Check-In and Check-In Policy Development
Code Updates: Versioning/Branching/Merging