# Course : Azure DevOps, implementing the software factory

*Practical course - 3d - 21h - Ref. ADO*
*Price : 2010 € E.T.*

★★★★½  4,7 / 5

Like any software factory, Azure DevOps aims to guarantee the quality and fluidity of the development cycle and the deployment of new releases. Its distinctive feature is that it is on Cloud (meaning that all those involved in the project must work on Cloud) and specifically adapted to the DevOps method.

## 🎯 Teaching objectives

**At the end of the training, the participant will be able to:**

- ✓ Setting up a dashboard
- ✓ Define a test plan (Test & Feedback)
- ✓ Creating a team project
- ✓ Setting up users

## Intended audience
Developer, project manager.

## Prerequisites
Basic knowledge of software development.

## Course schedule

### 1 Team project and configuration

- Creation of a team project.
- Iterations and safety.
- Zone settings.
- Iteration settings.
- User and security settings.

**Hands-on work**
Create and configure a team project.

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**PARTICIPANTS**
Developer, project manager.

**PREREQUISITES**
Basic knowledge of software development.

**TRAINER QUALIFICATIONS**
The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

**ASSESSMENT TERMS**
The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

**TEACHING AIDS AND TECHNICAL RESOURCES**
• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## 2 Source code controller

- Overview of the different types of TFVC and GIT controllers.
- Source code controller settings.
- Understand the concepts of branching and merging.
- Pull request management.
- Shelving management.

### Hands-on work
Set up the source code controller.

## 3 Work Items and Test Plan

- Exploratory and planned tests: concept and methodology.
- Overview of the different types of work items: Epic, Feature, UserStory, Task/Bug.
- Presentation of backlogs through work item reports (Excel, MS Project, Power BI).
- Overview of the notification system.

### Hands-on work
Implement test planning.

## 4 Visual Management with Dashboards

- Set up a Dashboard.
- Overview of existing widgets.
- Visual Studio Market Place: what for?

### Hands-on work
Set up and use a Dashboard.

## 5 Understanding tests

- Know the concepts.
- Define a test plan (Test and Feedback).
- Test Driven Development (TDD).
- Unit testing, integration testing, functional testing.

## 6 Continuous Integration

- Continuous integration concepts.
- Presentation of build services.
- Visual Studio Team Services (VSTS).
- The different types of build tasks.
- Presentation of different use cases.

### Hands-on work
Using VSTS Build.

## 7 Release management

- Implementation of automated deployment.
- The task catalog.
- Environmental issues.
- Presentation of various concrete examples.

### Hands-on work
Implement automated deployment.

( 8 )  **Customize your team project**

- How do I modify a process?
- Process customization: process template.
- Add custom fields.

## Dates and locations

**REMOTE CLASS**
2026 : 16 Mar., 10 June, 23 Sep., 30 Nov.

**PARIS LA DÉFENSE**
2026 : 16 Mar., 10 June, 23 Sep., 30 Nov.