



Information Technology

DevOps and Agile Methodology

Course Introduction

DevOps and Agile are two of the most common modern software development practices used by companies today to produce a part of a product, launch, or release, the approaches they follow are different.

Differences between Agile and DevOps

This training course is designed to provide participants with the essential concepts of Agile and the core principles based on the Agile Manifesto, and the similarities and differences between Agile and DevOps, the combined benefits of Agile and DevOps in managing large-scale enterprise projects, and differences between Agile and DevOps practices.

This course will also cover topics such as creating Scrum boards to implement the Agile project management methodology and how to create, configure, and start Sprints to manage projects and backlogs, the steps involved in the visual requirements-gathering process for Agile project management, and how to set up and implement Agile product development projects and practices by using Jira, Azure DevOps, and TFS (Team Foundation Server).

Training Program Methodology

The training program is implemented by combining the participants' academic knowledge and practical practice (30% theoretical / 70% practical activities). This program focuses on exercises, case studies, individual and group presentations, and Role-playing, among other advanced training techniques.

A detailed report is submitted to each participant and the training department in your organization on the results of the participant's performance and the return on training.

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist

- Computer Support Specialist
- Database Administrator
- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer
- Web Developer
- Technology sales consultant

Learning Objectives

- Gain a comprehensive understanding of the key concepts and terminologies in DevOps and Agile Methodology.
- Recognize the objectives of agile and the core agile principles based on the agile manifesto
- Recognize agile manifesto values that can help elevate businesses to the next level
- Recognize the combined benefits of DevOps and agile in managing large scale enterprise projects
- Understand the difference between agile and DevOps practices
- Create scrum boards to implement the agile project management methodology
- Create, configure, and start sprints to manage projects and backlogs
- Describe scrum and the scrum roles used for implementing agile projects
- List the types of reports that can help track work in progress, including burndown reports and velocity charts
- Recognize the steps involved in the visual requirements gathering process for agile project management
- Describe the influence of architecture vision on team velocity and software quality, with a focus on the benefits of architecture vision
- Set up agile product development projects and practices using Jira, while also specifying the product vision, goal, and project estimation with the use of the objective criteria technique
- Implement agile practices using Microsoft Azure DevOps and TFS
- Identify key performance indicators and metrics that are used in agile to evaluate the progress of development projects

Course Outline

- Day 01

- Introduction to DevOps and Agile Methodology: Key Terminologies**

- Why adopt agile methodologies?
 - Objectives and Principles of Agile

- Day 02

- Values of Agile**

- DevOps and Agile
 - Comparing Agile and DevOps Practices

- Day 03

- Creating Scrum Boards**

- Managing Backlogs and Sprint
 - Scrum and Scrum Roles
 - Report Types for Tracking WIP

- Day 04

- Visual Requirements Gathering**

- Influence of Architecture
 - Setting up Agile Product Development

- Day 05

- Using Azure DevOps and TFS for Agility**

- Agile Project KPI and Metrics

Confirmed Sessions

FROM	TO	DURATION	FEE\$	LOCATION
June 16, 2025	June 20, 2025	5 days	4250.00 \$	UAE - Dubai
Sept. 29, 2025	Oct. 3, 2025	5 days	4250.00 \$	UAE - Dubai
Dec. 29, 2025	Jan. 2, 2026	5 days	4950.00 \$	England - London