

DevOps Fundamentals

Learn via: **Classroom**

Duration: **3 Days**

Overview

The DevOps Agile Skills Association (DASA), co-founded by Xebia, is an open, global initiative to advance DevOps competences and professionalize the state-of-the-practice. DASA provides certified training from the foundation to expert level worldwide. Led by DASA master trainers, this highly interactive, three-day training gives you the skills, knowledge, and tools you need to achieve competency (Level 2 certification) in DevOps.

Prerequisites

There are no prerequisites for this course.

Who Should Attend

- You are involved in IT development, operations, or service management
- Your professional role is affected by DevOps and continuous delivery
- You work as a CIO, product owner, integration specialist, DevOps engineer, operations manager, software developer, incident and change manager, system administrator, network administrator, business manager, automation architect, enterprise architect, program manager, project manager, or release manager

What You Will Learn

- Key concepts and principles of DevOps
- Core concepts of the process frameworks and paradigms that contributed to the emergence of DevOps practices (agile, Scrum, lean, kanban, etc.)
- Key elements that constitute a DevOps culture
- Business benefits of DevOps and continuous delivery
- The drivers responsible for the emergence of DevOps
- The software delivery lifecycle in a DevOps organization

Outline

Basic concepts

- The emergence of the concept of DevOps
- Basic concepts and principles about DevOps
- What is DevOps?

Culture

- DevOps culture based
- Basic elements of DevOps culture
- Important elements of DevOps culture

Corporate

- Corporate Models
- Independent team needs
- The impact of DevOps on architecture
- Management within DevOps squadrons

Processes

- Agile, Scrum, and Kanban concepts and their relationship to each other

- The relationship between IT Service Management processes and applications in DevOps culture
- Lean concept and its use
- Value Stream Map
- New and innovative ways of using ideas.

Automation

- The effect of automation on software development processes
- Benefits and basic principles
- Basic cloud principles

Measurement & Development

- Advantages and benefits of monitoring and registering DevOps processes