

DevOps Fundamentals Course



Duration: 2 days Classroom

Accreditor: DevOps Agile Skills Association (DASA)

Language: English

Course Description

Up to 200 times faster software deployment, 30 times increased deployment frequency, and 60 times higher change success rates. The data doesn't lie. Organizations such as Netflix, Spotify, and Facebook are transforming IT by successfully implementing DevOps principles. But you don't have to be a hot internet company or a gigantic enterprise to be a DevOps leader. Companies large and small, young and old, have magnificently made the transition and have the proof of success in their pockets.

DevOps training is the starting point for an organization going on the DevOps journey. Improved workflows and faster deployment start with a core understanding of DevOps fundamental concepts by anyone involved in an agile and/or DevOps team. The 2-day DevOps Fundamentals course provides an extensive introduction to the core Agile DevOps principles covering the essential knowledge and skill competencies that have been defined by the DevOps Agile Skills Association (DASA). This course is designed to provide the core education necessary to build your DevOps vocabulary and to understand its principles and practices. With the help of key DevOps concepts and terminology, real-life case studies, examples and interactive group discussions and extensive exercises in each module you will acquire a fundamental understanding of DevOps.

Course Benefits

- Why organizations Need to adopt DevOps practices from both the business and IT perspectives
- How to answer the question 'What is DevOps?'
- DevOps values and principles
- How DevOps interfaces with other frameworks such as Agile, Lean and ITSM
- The characteristics of a DevOps culture
- DevOps organizational considerations including DevOps roles, teams and organizational structures
- Key DevOps practices
- Common DevOps automation practices and tools categories
- Know the impact of automation on Software Delivery processes
- Understand the benefits and core principles of Continuous Delivery

Examination

- Closed-book Exam format
- Exam Duration: 60 minutes, 15 minutes extra time for non-native english speakers.
- The DevOps Fundamentals exams are delivered by APMG or iSQI. Exam vouchers are included in the price of the course.

Course Agenda

Day 1	Day 2
1. Course Introduction	5. Processes (Continued)
2. DevOps Introduction	6. Automation
3. Culture	7. Measure and Improvement
4. Organization	Mock Exam
5. Processes	

Course Outline

Module 1 - Course Introduction	
Overview	Course Learning Objectives
Module 2 – DevOps Introduction	
Emergence of DevOps	Core Concepts of DevOps
Required Knowledge & Skills for DevOps Professionals	
Module 3 - Culture	
Defining and Creating a DevOps Culture	Key Elements of a DevOps Culture
Module 4 - Organization	
Organizational Models	Autonomous Teams
Architecture styles	Governance
Module 5 - Processes	
Introduction to Agile, Scrum and Kanban	DevOps in relation to ITSM
The Scrum approach in more detail	Optimizing processes using Lean
Business Value Optimization and Business Analysis using story mapping	The SW delivery lifecycle in a DevOps organization
Module 6 - Automation	
Continuous Delivery Core Concepts	Continuous Delivery Automation Concepts
DevOps and Continuous Delivery	Cloud principles for DevOps Organizations
Data Center Automation	Cloud services concepts in a DevOps Organization
Platform product characteristics & application maturity	Platform Services Design & Maturity
Module 7 - Measurement and Improvement	
The importance of measurement	Choosing the right metrics
From metrics to KPIs	Monitoring & Logging

Contact TechnoLava to arrange an Onsite or a Virtual DevOps Fundamentals Class for your organization.