

DEVOPS FOUNDATION

DevOps Foundation Certification Workshop

The DevOps Foundation certification workshop introduces what is DevOps. It is the cultural and professional movement that stresses communication, collaboration, integration, and automation in order to improve the flow of work between software developers and IT operations professionals. Throughout the 2-days learning, you will get to know how to improve workflows and in return how it helps to improve your ability to design, develop, deploy and operate software and services faster.



Workshop Objectives

The learning objectives for DevOps Foundation include an understanding of:

- DevOps objectives and vocabulary
- Benefits to the business and IT
- Principles and practices including Continuous Integration, Continuous Delivery, testing, security and the Three Ways
- DevOps relationship to Agile, Lean and ITSM
- Improved workflows, communication and feedback loops
- Automation practices including deployment pipelines and DevOps toolchains
- Scaling DevOps for the enterprise
- Critical success factors and key performance indicators
- Real-life examples and results

Workshop Materials

- 2-day instructor-led training with exercise facilitation
- DevOps – The Basics
- Learner courseware
- Participation in unique and practical exercises designed to apply concepts
- Sample documents, templates, tools and techniques
- Access to additional sources of information and communities



Workshop Outline

- Exploring DevOps
- Defining DevOps
- Why Does DevOps Matter?
- Core DevOps Principles
- The Three Ways
- The First Way
- The Theory of Constraints
- The Second Way
- The Third Way
- Chaos Engineering
- Learning Organizations
- Key DevOps Practices
- Continuous Delivery
- Site Reliability & Resilience Engineering
- DevSecOps
- ChatOps
- Kanban
- Business and Technology Frameworks
- Agile
- ITSM
- Lean
- Safety Culture
- Learning Organizations
- Sociocracy / Holacracy
- Continuous Funding
- Culture, Behaviors & Operating Models
- Defining Culture
- Behavioral Models
- Organizational maturity models
- Target Operating Models
- Automation & Architecting DevOps Toolchains
- CI/CD
- Cloud
- Containers
- Kubernetes
- DevOps Toolchain



- Measurement, Metrics, and Reporting
- The Importance of Metrics
- Technical Metrics
- Business Metrics
- Measuring & Reporting Metrics
- Sharing, Shadowing and Evolving
- Collaborative Platforms
- Immersive, Experiential Learning
- DevOps Leadership
- Evolving Change

Certification

There is a 60-minute exam, successful passing (65%) which consisting of 40 multiple-choice questions, after passed the exam, you will get the DevOps Foundation Certificate. The certification is governed and maintained by the DevOps Institute; exams are delivered through an independent, global examination partner. The DevOps Foundation Certificate will be the pre-requisite for future DevOps certification courses.

Prerequisites

- Familiarity with IT software development and operations responsibilities

Who should attend?

- If you are seeking an understanding of DevOps principles, practices and cultural considerations
- Organizations who want to instill a common DevOps mindset, terminologies and vocabularies
- Leaders of teams and managers who has a leading role
- DevOps transformations Consultants, internal and external suppliers

Workshop Registration: <https://agilizing.com/booking/>