

DevOps Foundation

Course Length: 2 days

Overview

This two-day course provides an introduction to DevOps – 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. Improved workflows will result in an improved ability to design, develop, deploy and operate software and services faster.

Successfully passing (65%) the 60-minute exam, consisting of 40 multiple-choice questions, leads to the DevOpsFoundation Certificate. The certification is governed, administered and maintained by the DevOpsInstitute. The DevOpsFoundation Certificate will be the pre-requisite for future DevOps certification courses.

This course is for individuals and organizations seeking a foundational understanding of DevOps, including employees and managers responsible for designing, reengineering or improving process, as well as consultants guiding their clients through process improvement initiatives. This course would also serve Internal and external suppliers, as well as process stakeholders.

Course Outline

- DevOps objectives and vocabulary
- Benefits to the business and IT
- Concepts and practices including Continuous Integration, Continuous Delivery, testing, security and the ThreeWays
- DevOps' relationship to Agile, Lean and IT Service Management (ITSM)
- Improved workflows, communication and feedback loops
- Automation practices including deployment pipelines and DevOps toolchains
- Scaling DevOps in an enterprise environment
- Critical success factors and key performance indicators
- Real-life examples and results