

DASA DevOps Fundamentals

Duration: 16 Hours (2 Days)

Overview

The DASA DevOps Fundamentals course is designed to provide learners with a comprehensive understanding of the DevOps methodology and its key practices. It serves as an entry-level qualification for professionals seeking to understand the core concepts of DevOps and how to implement DevOps principles within their organization. Through lessons on culture, organization, processes, automation, and measurement and improvement, the course lays the groundwork for improving collaboration, communication, and integration between software developers and IT operations. By obtaining the DASA DevOps Certification, participants can demonstrate their knowledge in applying DevOps practices and principles, contributing to the optimization of IT service delivery. With an emphasis on culture change, modern organizational models, Process re-engineering, Automation of software delivery, and Measuring performance, the course equips learners with the agile skills necessary to respond to changing market demands and enhance business value.

Audience Profile

The DASA DevOps Fundamentals course equips professionals with key DevOps principles and practices to enhance collaboration and productivity.

- Software Developers
- IT Professionals
- Operations Managers
- Systems Administrators
- DevOps Engineers
- Product Owners
- Project Managers
- Agile Scrum Practitioners
- Quality Assurance Teams
- IT Service Managers
- Process Managers
- Lean IT Practitioners
- Business Analysts
- Management Consultants
- IT Directors
- CTOs and CIOs
- Change Agents
- Anyone involved in IT development, operations, or service management

Course Syllabus

Module 1: Course Introduction

- Let's Get to Know Each Other
- Module Objectives
- Module Topics
- DASA DevOps Fundamentals - An Introduction

- DevOps Agile Skills Association (DASA)
- Module Summary

Module 2: DevOps Introduction

- Module Objectives
- Module Topics
- DevOps Evolution
- Key Concepts of DevOps
- DASA DevOps Principles
- Module Summary
- Module End Questions

Module 3: Culture

- Module Objectives
- Module Topics
- Embracing a DevOps Culture
- Core Elements of a DevOps Culture
- Implementation of a DevOps Culture
- Module Summary
- Module End Questions

Module 4: Organization

- Module Objectives
- Module Topics
- Business Structurel
- Autonomy in Teams
- DevOps Impact on Architecture
- DevOps Governance
- Module Summary
- Module End Questions

Module 5: Processes

- Module Objectives
- Module Topics
- Process Basics
- DevOps in Relation to ITSM
- Agile and Scrum
- Optimizing Processes Using Lean
- Business Value Optimization and Business Analysis Using Story Mapping
- Module Summary
- Module End Questions

Module 6: Automation

- Module Objectives
- 6A Automation Concepts Topics
- Software Delivery Automation Concepts
- Continuous Delivery Core Concepts

- Continuous Delivery Automation Concepts
- Continuous Delivery Automation Focus Topics
- 6B Data Center Automation Topics
- Cloud Technology and Principles
- Cloud Services Concepts in a DevOps Organization
- Module Summary
- Module End Questions

Module 7: Measure and Improvement

- Module Objectives
- Module Topics
- Importance of Measurement
- Choosing the Right Metrics
- Monitoring and Logging
- Module Summary
- Module End Questions