DevOps Fundamentals – DASA

Description

DevOps training is the starting point for an organization going on the DevOps journey. Improved workflows and faster deployment starts with a core understanding of DevOps fundamental concepts by anyone involved in an agile and/or DevOps team. The DASA DevOps Fundamentals course provides an extensive introduction to the core Agile DevOps principles covering the essential knowledge and skill competences 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.

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Course Content
Module 1: Course introduction

- Lesson 1: Let's Get to Know Each Other
- Lesson 2: Overview
- Lesson 3: Course Learning Objectives
- Lesson 4: Course Agenda
- Lesson 5: Type of Activities
- Lesson 6: Exam
- Lesson 7: Course Book
- Lesson 8: Technical Glossary
- Lesson 9: Group Activity

Module 2: DevOps Introduction

- Lesson 1: Emergence of DevOps
- Lesson 2: Core Concepts of DevOp
- Lesson 3: DevOps Agile Skills Association (DASA)

Module 3: Culture

- Lesson 1: Introduction to a DevOps Culture
- Lesson 2: Key Elements of DevOps
- Lesson 3: Implementation of a DevOps Culture

Module 4: Organization

- Lesson 1: Organizational Model
- Lesson 2: Autonomous Teams
- Lesson 3: Architecting for DevOps
- Lesson 4: Governance

Module 5: Processes

- Lesson 1: Defining Agile, Scrum, and Kanban
- Lesson 2: DevOps in Relation to ITSM
- Lesson 3: The Scrum Approach in more Detail
- Lesson 4: Optimizing Processes Using Lean
- Lesson 5: Business Value Optimization and Business Analysis Using Story Mapping
- Lesson 6: Software Delivery Lifecycle in a DevOps Organization

Module 6: Automation

- Lesson 1: 6A Automation Concepts
- Lesson 2: Automation for Delivery of Software
- Lesson 3: Continuous Delivery Core Concepts
- Lesson 4: Continuous Delivery Automation Concepts
- Lesson 5: Continuous Delivery Automation Focus Topics
- Lesson 6: 6B Data Center Automation
- Lesson 7: Emergence of Cloud Technology and Principles
- Lesson 8: Cloud Services Concepts in a DevOps Organization
- Lesson 9: Automated Provisioning Concepts
- Lesson 10: Platform Product Characteristics and Application Maturity

Module 7: Measure and Improvment

- Lesson 1: Importance of Measurement
- Lesson 2: Choosing the Right Metrics
- Lesson 3: Monitoring and Logging

Module 8: Exam preparation guide

- Lesson 1: Qualification Learning Objectives
- Lesson 2: Learning Level of the Syllabus
- Lesson 3: ertification
- Lesson 4: Exam Instructions
- Lesson 5: Tips for Taking Exam
- Lesson 6: Mock Exam

Documentation

- Official digital courseware included

Exam

- Exam "DevOps Fundamentals - DASA" included

Participant profiles

- DevOps engineers
- Product owners
- Operations managers
- Incident and change managers
- System and network administrators
- Automation architects

Prerequisites

- Have basic familiarity with agile, scrum, lean and itsm principles is beneficial

Objectives

- Know the core concepts & principles of DevOps
- Know the important aspects when creating a DevOps culture
- Know the Operational models of DevOps
- Understand the impact of DevOps on Architecture with respect to deployment
- Understand governance within DevOps teams
- Understand Agile, Scrum and Kanban and how these practices relate to one another
- Understand how ITSM processes relate to practices in a DevOps culture
- Understand how lean is used to optimise processes

Classroom Registration Price (CHF)
3100
Virtual Classroom Registration Price (CHF)
2950
Duration (in Days)
3
Reference
DEVOPSDASA-01