DASA Devops Fundamentals

Duration: 3 Days   Course Code: DASADEV-F

Overview:

This 3-day course provides a comprehensive introduction to DASA DevOps Fundamentals - Agile DevOps principles, as defined by the DevOps Agile Skills Association (DASA). In this course, you will learn the DevOps vocabulary, principles and practices. Using DevOps key concepts and terminology, real-life case studies, examples, group discussions and exercises you will get a basic understanding of DevOps.

Target Audience:

Professionals involved in IT developments, IT operations or IT service management
Professionals who have to deal with DevOps and continuous delivery, such as: DevOps engineers, Product owners, Integration specialists, Operations managers, Change managers, System administrators, Incident & Network administrators, Business managers, Automation architects and enterprise architects

Objectives:

- After completion of the course, students will be familiar with the following aspects of DevOps:

- Core concepts

- The rise of DevOps

- Core concepts and principles of DevOps

- Meaning of DevOps as a professional for you and for your organization

- Culture

- The essence of a DevOps culture

- The most important elements of a DevOps culture

- The important aspects in creating a DevOps culture

- Organization

- The operational models of DevOps

- The need for autonomous teams

- The impact of DevOps on Architecture in relation to deployment

- Governance within DevOps teams

- Processes

- Relations between Agile, Scrum and Kanban

- ITSM processes relating to the practices in a DevOps culture

- Use of lean to optimize processes

- Delivering a Value Stream Folder for a particular process

- Initiating new and innovative ideas

- Automation

- The impact of automation on Software Delivery processes

- The benefits and core principles of Continuous Delivery

- The main cloud principles for DevOps organizations

- Measuring & Improvements

- Importance of monitoring and logging of DevOps

Prerequisites:

There are no specific pre-requisites

Testing and Certification

The exam is included. You will get a voucher at the end of the training, You may sit the exam at any time,

Exam format:

- Closed book

- Web-Based
- 40 multiple-choice questions
- Passing Score: 65%
- Exam duration: 60 minutes

Follow-on-Courses:

DASA Practioner course DASADEV-P

Content:

In the training covers the following topics:

Module 1: Introduction

Module 2: DevOps Introduction

- Emergence of DevOps
- Core concepts of DevOps
- DevOps Agile Skills Association (DASA)

Module 3: Culture

- Introduction DevOps Culture
- Key elements of DevOps
- Implementation of a DevOps culture

Module 4: Organization

- Organizational model
- Autonomous teams
- Architecture within DevOps
- Governance

Module 5: Processes

- Defining Agile, Scrum and Kanban
- DevOps in relation to ITSM
- Scrum, in more detail
- Optimizing processes - Lean
- Business Value Optimization and Business Analysis - Story Mapping
- Software Delivery Lifecycle in a DevOps organization

Module 6: Automation

6a. Automation Concepts

- Software Delivery Automation
- Continuous Delivery Core concepts
- Continuous Delivery Automation concepts
- Continuous Delivery Automation focus topics

6B. Data Centre Automation

- Emergence of Cloud technology and principles
- Cloud Services concepts in a DevOps organization
- Automated Provisioning concepts
- Platform Product Characteristics and Application Maturity

Module 7: measuring and improving

- Importance of Measurements
- Choosing the right Metrics
- Monitoring and Logging

Tips for the exam

Sample exam

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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