DevOps Foundation

Duration: 2 Days Course Code: DEVOPSF

Overview:

This course is an introduction to DevOps. The course emphasizes communication, collaboration , integration, and automation to improve the workflow between developers and IT operations professionals. Improved workflows lead to more opportunities to design software and services in a more agile fashion which can only be good for customers.

This course (based on the DevOps Institute syllabus) is intended as a basis for discovering the most important DevOps concepts and to understand the principles and methods behind this. The course will leave you with the inspiration to be the advocate of change; The idea is that what you have learned about DevOps - and continue to learn – is shared with others so that you can guide them.

Target Audience:

The course is aimed at: -
Those engaged in IT development, IT operations and IT service management.

Individuals wishing to have detailed understanding of the principles of DevOps

IT professionals working in an Agile environment or will do, and who need a detailed understanding of the interaction between Agile and DevOps

Individuals who want to understand the cultural changes DevOps entails

Objectives:

- After completing the course, students are familiar with the following aspects of DevOps :
- Objectives and concepts
- Company benefits
- Performance criteria and results in the real world
- DevOps principles
- Concepts and methods (including the relationship between Agile , Lean and IT Service Management (ITSM))
- Cultural and organizational considerations
- Methods of communication and collaboration
- Methods for automation and technology factors
- Considerations when changing
- Challenges, risks and critical success factors

Prerequisites:

No previous knowledge of DevOps is required

Testing and Certification

The course is followed by an examination leading to the award of the DevOps Institute "DevOps Foundation Certificate"

- Closed book
- Web-based (voucher to be provided)
- 40 multiple-choice questions
- Passing Score: 65%
- Exam duration: 60 minutes
- Exam is included in the course fee.

Content:

Introduction

Exam Requirements and weighing

Why DevOps?

- From a business perspective
- From an IT perspective
- Stereotypes of Dev and Ops: perception and reality

What is DevOps?

- Introduction DevOps
- Goals DevOps
- Added value of DevOps
- Proven Results
- DevOps for businesses
- DevOps principles (The Three Ways)

DevOps and other frameworks

- DevOps and Agile
- DevOps and Lean
- DevOps and IT Service Management

DevOps culture

- Characteristics of a DevOps culture
- Organizational Considerations DevOps
- DevOps stakeholders
- DevOps roles
- DevOps teams
- DevOps organizational structures

DevOps methods

- Continuous Integration
- Continuous delivery
- Continuous deployment
- Value stream mapping
- Kanban
- Theory of Constraints
- Improvement Kata
- Deming's quality circle
- ITSM processes
- DevOps and Automation

Methods for DevOps automation

- Longevity and tools categories DevOps applications
- Transitioning to a DevOps culture

Implementation

- Challenges, risks and critical success factors
- Measuring DevOps successes

Tips for the exam

Sample exam

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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