

## DevOps Institute: DevOps Foundation (DOFD)® - Including Exam

**Duration: 2 Days    Course Code: DEVOPSF    Version: 3.3**

### 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.

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### 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 DevOpsIT professionals working in an Agile environment or will do, and who need a detailed understanding of the interaction between Agile and DevOpsIndividuals who want to understand the cultural changes DevOps entails

### Objectives:

- After completing the course, students will be 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
- Paper or web based
- 40 multiple-choice questions
- Passing Score: 65%
- Exam duration: 60 minutes

## Content:

■ Introduction	■ DevOps and Lean	■ Theory of Constraints
■ Exam Requirements and weighing	■ DevOps and IT Service Management	■ Improvement Kata
■ Why DevOps?	■ DevOps culture	■ Deming's quality circle
■ From a business perspective	■ Characteristics of a DevOps culture	■ ITSM processes
■ From an IT perspective	■ Organizational Considerations DevOps	■ DevOps and Automation
■ Stereotypes of Dev and Ops: perception and reality	■ DevOps stakeholders	■ Methods for DevOps automation
■ What is DevOps?	■ DevOps roles	■ Longevity and tools categories
■ Introduction DevOps	■ DevOps teams	■ DevOps applications
■ Goals DevOps	■ DevOps organizational structures	■ Transitioning to a DevOps culture
■ Added value of DevOps	■ DevOps methods	■ Implementation
■ Proven Results	■ Continuous Integration	■ Challenges, risks and critical success factors
■ DevOps for businesses	■ Continuous delivery	■ Measuring DevOps successes
■ DevOps principles (The Three Ways)	■ Continuous deployment	■ Tips for the exam
■ DevOps and other frameworks	■ Value stream mapping	■ Sample exam
■ DevOps and Agile	■ Kanban	

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## Additional Information:

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## 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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