

## DevOps Institute: DevOps Foundation (DOFD)<sup>®</sup> - Including Exam

Varighed: 2 Days    Kursus Kode: DEVOPSF    Leveringsmetode: Virtuel deltagelse

### Beskrivelse:

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.

### Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

### Målgruppe:

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

### Agenda:

- 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

### Forudsætninger:

No previous knowledge of DevOps is required

### Test og certificering

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%

## Indhold:

### 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

## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

[training@globalknowledge.dk](mailto:training@globalknowledge.dk)

[www.globalknowledge.com/da-dk/](http://www.globalknowledge.com/da-dk/)

Global Knowledge, Stamholmen 110, 2650 Hvidovre