

DevOps Foundation

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Leading to the DevOps Foundation Certification

Duration: 30 or 60 days

Pre-requisites: None

Delivery Methods: Self-Paced Online

Course Overview

The DevOps Foundation course is accredited by the DevOps Institute and provides an introduction to DevOps – the cultural and professional movement that stresses communication, collaboration, integration and automation in order to improve the flow of work between software developers and IT operations professionals. Improved workflows enable IT organizations to deliver greater business value by improving the ability to more quickly design, develop, deploy and operate reliable software and services.

- 30 or 60 days online access Fully accredited
- Includes videos, quizzes, exercises, official syllabus and sample exams
- Exam Voucher
- Tutor support available via email

Target Group

The DevOps Foundation qualification is aimed at individuals involved in: IT development, IT operations or IT service management and particularly those in an enterprise environment.

Individuals who require a detailed understanding of DevOps principles.

IT professionals working within or about to enter an Agile service design environment and requiring a detailed understanding of the concepts involved in interfacing Agile and DevOps.

Individuals who require an understanding of the culture changes associated with adopting DevOps

Knowledge Objectives

The learning objectives for DevOps Foundation include an enterprise understanding of DevOps:

- Goals, values and vocabulary
- Business benefits

- Demonstrated results and performance measures
- Relationship with other frameworks (including Agile, Lean and IT Service Management (ITSM))
- Culture, communication, collaboration and organizational considerations
- Principles and practices
- Reliance on automation
- Adoption considerations (including how to get started)
- Challenges, risks and critical success factors
- Real-life examples and results

Course Content

13 lessons covering an introduction to DevOps, DevOps practices, culture and organisational considerations and DevOps and other frameworks.

Modules in this course:

- Lesson 1: Why DevOps?
- Lesson 2: Introducing DevOps Part 1
- Lesson 3: Introducing DevOps Part 2
- Lesson 4: DevOps and other Frameworks Part 1
- Lesson 5: DevOps and other Frameworks Part 2
- Lesson 6: DevOps Culture
- Lesson 7: Organisational Considerations
- Lesson 8: DevOps Practices The First Way
- Lesson 9: DevOps Practices The Second and Third Way
- Lesson 10: DevOps and IT Service Management Processes
- Lesson 11: Automation Practices and Tool Categories
- Lesson 12: Adopting a DevOps Culture
- Lesson 13: Summary and Exam Preparation

Examination

- Exam duration: 60 minutes
- Exam format: Closed book, multiple choice
- Exam delivery: online, webcam proctored.
- Exam pass mark: 26/40 questions (65%)

This course does not require any existing knowledge of DevOps. Completion of an accredited course is a mandatory pre-requisite for the exam

SPO courses provided by IT Training Zone, an accredited training organisation..