



DevOps Fundamentals

Training Course

DevOps

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Bakkah in Numbers



+32,000
Capabilities
Built



+320
Clients



+600
Engagements



+134
Consultants &
Instructors



+2,100
Sessions

About the Course

- The DevOps Fundamentals course provides a comprehensive understanding of DevOps principles and practices. Accredited by the DevOps Institute, this course covers key concepts, methodologies, and tools, equipping participants with the knowledge and skills to effectively implement DevOps within their organizations.

› Why Earn a DevOps Fundamentals Badge?





07

Boost Wages:

The average salary for Devops Engineer is SAR 50,428 per month in the Riyadh, Saudi Arabia. According to Glassdoor.



Who Needs this Course?

01

Designed for professionals in software and applications development,

02

IT Department,

03

Business Analysts,

04

Project and Product Managers, and;

05

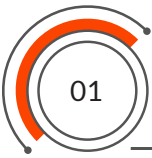
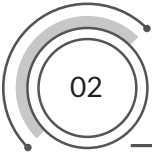

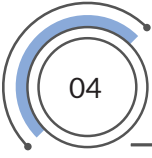
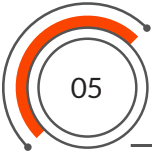
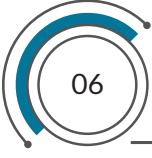

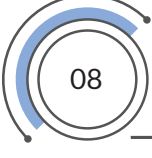

anyone aspiring to gain knowledge of DevOps principles.



Course Objectives:



By the end of this course, you'll be able to:

- **01** **Core Principles:** Understand the fundamental concepts of DevOps.
- **02** **Collaboration:** Foster effective teamwork and communication.
- **03** **Automation:** Streamline software development and deployment processes.
- **04** **CI/CD:** Implement continuous integration and delivery practices.
- **05** **Accountability:** Promote a culture of shared responsibility.
- **06** **Optimization:** Identify and address bottlenecks in development.
- **07** **Continuous Improvement:** Implement feedback and monitoring mechanisms.
- **08** **Agile Alignment:** Apply DevOps within Agile methodologies.
- **09** **Adoption:** Drive the implementation of DevOps practices.

Exam Details

DevOps Fundamentals Certification Exam Overview

The PeopleCert DevOps Fundamentals Certification Exam is designed to validate a candidate's knowledge and understanding of DevOps basics as detailed above as well as how to be able to apply this knowledge through tools and practices in a modern enterprise.

Exam Prerequisite

- For this examination, there are no formal entry criteria or training requirements.

Exam Protocol

- 1.0 Introduction to DevOps - 5%
- 2.0 The Urgency for DevOps - 10%
- 3.0 Key DevOps Principles & Concepts - 15%
- 4.0 The Full-Stack - People & Culture - 20%
- 5.0 The Full-Stack - Processes & Practices - 30%
- 6.0 The Full-Stack - Technology & Automation - 20%

Exam Format

- Multiple Choice Examination Questions
- 40 questions
- 28 marks required to pass (out of 40 available): 70%
- 60 minutes duration
- Closed book

Course Outlines

Introduction to DevOps

- ✔ What Is DevOps?

The Urgency for DevOps

- ✔ The Business Value Delivery Problem
- ✔ The IT Value Delivery Problem

Key DevOps Principles & Concepts

- ✔ C.A.L.M.S & The Three Ways
- ✔ The Deployment Pipeline
- ✔ The Scope of DevOps

The full Stack-People & Culture

- ✔ Defining the DevOps Culture
- ✔ Transformational Leadership
- ✔ DevOps Structures & Teamin

Course Outlines

The Full Stack-Processes & Practices

- ✔ The Evolution of DevOps Practices
- ✔ The 15 Essential Practices of DevOps

The Full Stack-Technology & Automation

- ✔ Automation for the Deployment Pipeline
- ✔ Architecting for Continuous Delivery
- ✔ Cloud Technology and Virtualization



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