

## SM-DEVOPSF

# PEOPLECERT DEVOPS FUNDAMENTALS



DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
3 Days	Foundation	DevOps	Instructor Led	None

### INTRODUCTION

Candidates get guidance on how to work with DevOps practices and how to achieve better collaboration and communication. PeopleCert DevOps Fundamentals course provides the candidate with solid knowledge and understanding of DevOps terms, principles, tools and practices, and how to use tools efficiently and effectively within a DevOps environment to achieve business goals, using a *full-stack* approach.

### AUDIENCE PROFILE

The Fundamentals level of the PeopleCert DevOps qualification scheme is aimed at anyone who wishes to become an efficient member of a DevOps environment. If you're looking for a higher-level certification, you can review PeopleCert DevOps Leadership.

### PREREQUISITES

Recommended, familiarity with IT terminology and IT related work experience.

### COURSE OBJECTIVES

Upon completion of this course, delegates should be familiar with the following:

- History and need of DevOps
- Key concepts of DevOps
- Business value of DevOps
- Concepts underlying C.A.L.M.S., The Three Ways, continuous delivery, and the scope of the full stack
- DevOps culture, transformational leadership and DevOps structure and teaming
- Evolution of the DevOps Practices and the 15 essential practices of DevOps
- Agile project management and Scrum methodology
- Key concepts of cloud technology and virtualization, automation for deployment pipeline, and architecting for continuous delivery

### COURSE CONTENT

#### Module 1: The Urgency for DevOps

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

#### Module 2: Key DevOps Principles & Concepts

- C.A.L.M.S. & The Three Ways
- Continuous Delivery Across the Deployment Pipeline

- The Scope of The Full Stack

#### Module 3: The Full Stack – People & Culture Layer

- What Is a DevOps Culture?
- Transformational Leadership
- What Is a DevOps Team?

#### Module 4: The Full Stack Processes & Practices Layer

- The Evolution of DevOps Practices

- The 15 Essential Practices of DevOps

#### Module 5: The Full Stack – Technology & Automation Layer

- Automation for The Deployment Pipeline
- Cloud Technology & Virtualization
- Architecting for Continuous Delive

## ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to take the PeopleCert DevOps Fundamentals exam. Successfully passing this exam will result in the attainment of the PeopleCert DevOps Fundamentals Certification. Closed book exam, 60 minutes, 70% pass mark.