Document Generated: 09/12/2026

Learning Style: On Demand

Technology: Linux Foundation

Difficulty: Beginner

Course Duration:

Kubernetes and Cloud Native Essentials (LFS250)

About This Course:

The course, along with real-world experience and study, will provide the skills and knowledge also tested by Kubernetes and Cloud Native Associate (KCNA) exam.

Course Objectives:

- This course will give you an overview of cloud native technologies, and then

dives into container orchestration. You will review the high-level architecture of Kubernetes, understand the challenges of container orchestration and how to deliver and monitor your applications in distributed environments. The course will also discuss how container orchestration differs from legacy environments and much more.

Audience:

- This course is designed for existing and aspiring developers, administrators, architects and managers who are new to the world of cloud native technologies and container orchestration

Prerequisites:

- None

Course Outline:

Chapter 1. Course Introduction

Chapter 2. Cloud Native Architecture

Chapter 3. Container Orchestration

Chapter 4. Kubernetes Fundamentals

Chapter 5. Working with Kubernetes

Chapter 6. Cloud Native Application Delivery

Chapter 7. Cloud Native Observability