Training: The Linux Foundation
LFS250 Kubernetes and Cloud Native Essentials + KCNA Exam Bundle

THE LINUX FOUNDATION AUTHORIZED TRAINING PARTNER

TRAINING GOALS:

This course is designed as preparation for the Kubernetes and Cloud Native Associate (KCNA) exam, and will substantially increase students' ability to become certified. This course provides an overview of cloud native technologies and how container orchestration systems like Kubernetes can help to implement and maintain them.

KCNA will demonstrate a candidate's basic knowledge of Kubernetes and cloud-native technologies, including how to deploy an application using basic kubectl commands, the architecture of Kubernetes (containers, pods, nodes, clusters), understanding the cloud-native landscape and projects (storage, networking, GitOps, service mesh), and understanding the principles of cloud-native security.

What You'll Learn

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.

Who Is It For

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.

CONSPECT:

- Course Introduction
- Cloud Native Architecture
- Container Orchestration
- Kubernetes Fundamentals
- Working with Kubernetes
- Cloud Native Application Delivery
- Cloud Native Observability

Compendium Centrum Edukacyjne Spółka z o.o.
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USD: PL 52 1600 1462 1853 6451 3000 0007

REQUIREMENTS:

Before starting this course, you should be familiar with:

- Linux concepts and command line – We recommend Introduction to Linux, a free edX course
- Package managers
- Git and GitHub
- We recommend Introduction to Cloud Infrastructure Technologies, a free edX course, for an overview of the cloud landscape
- We recommend Introduction to Kubernetes, a free edX course, as a good start for your Kubernetes journey

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation.

TRAINER:

Certified The Linux Foundation Trainer.

ADDITIONAL INFORMATION:

Course Includes

- Online, Self Paced
- 8-10 Hours of Course Material
- Video Content
- 12 Months of Access to Online Course
- Digital Badge
- Discussion Forums

Exam Includes

- Online Exam Delivery

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- Exam Duration 90 Minutes
- Certification Valid for 3 Years
- 12 Month Exam Eligibility
- One Retake
- PDF Certificate and Digital Badge
- Multiple-Choice Exam

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