Training: The Linux Foundation
LFD259 Kubernetes for Developers + CKAD Exam Bundle

TRAINING GOALS:

This certification is for Kubernetes engineers, cloud engineers and other IT professionals responsible for building, deploying, and configuring cloud native applications with Kubernetes.

This course will teach you how to containerize, host, deploy, and configure an application in a multi-node cluster. Starting with a simple Python script, you will define application resources and use core primitives to build, monitor and troubleshoot scalable applications in Kubernetes. Working with network plugins, security and cloud storage, you will be exposed to many of the features needed to deploy an application in a production environment.

The Certified Kubernetes Application Developer (CKAD) can design, build and deploy cloud-native applications for Kubernetes.
A CKAD can define application resources and use Kubernetes core primitives to create/migrate, configure, expose and observe scalable applications.
The exam assumes working knowledge of container runtimes and microservice architecture.
The successful candidate will be comfortable:
– working with (OCI-compliant) container images
– applying Cloud Native application concepts and architectures
– working with and validating Kubernetes resource definitions

CONSPECT:

- **Chapter 1. Course Introduction**
- **Chapter 2. Kubernetes Architecture**
- **Chapter 3. Build**
- **Chapter 4. Design**
- **Chapter 5. Deployment Configuration**
- **Chapter 6. Understanding Security**
- **Chapter 7. Exposing Applications**
- **Chapter 8. Application Troubleshooting**

REQUIREMENTS:

Before starting this course, you should be familiar with:

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

- Linux concepts and command line – We recommend Introduction to Linux, a free edX course
- Package managers
- Git and GitHub
- 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:

The Linux Foundation Certified Trainer

ADDITIONAL INFORMATION:

Online Self-Paced

35 hours of Course Material

Hands-on Labs & Assignments1

Video Content

12 Months of Access to Online Course

Digital Badge

Discussion forums

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