

Szkozenie: The Linux Foundation LFS158 Introduction to Kubernetes



Szkozenie bezpłatne

Cel szkolenia:

Is your team beginning to use Kubernetes for container orchestration? Do you need guidelines on how to start transforming your organization with Kubernetes and cloud native patterns? Would you like to simplify software container orchestration and find a way to grow your use of Kubernetes without adding infrastructure complexity? Then this is the course for you!

In this course, we'll discuss some of Kubernetes' basic concepts and talk about the architecture of the system, the problems it solves, and the model that it uses to handle containerized deployments and scaling.

This course offers an introduction to Kubernetes and includes technical instructions on how to deploy a stand-alone and multi-tier application. You'll learn about ConfigMaps and Secrets, and how to use Ingress.

Upon completion, developers will have a solid understanding of the origin, architecture and building blocks for Kubernetes, and will be able to begin testing the new cloud native pattern to begin the cloud native journey.

What you'll learn:

- The origin, architecture, primary components, and building blocks of Kubernetes
- How to set up and access a Kubernetes cluster using Minikube
- Ways to run applications on the deployed Kubernetes environment and access the deployed applications
- Usefulness of Kubernetes communities and how you can participate.

Plan szkolenia:

- Container Orchestration
- Kubernetes Chapter 3. Kubernetes Architecture - Overview
- Installing Kubernetes
- Setting Up a Single-Node Kubernetes Cluster with Minikube
- Accessing Minikube

- Kubernetes Building Blocks
- Authentication, Authorization, and Admission Control
- Services
- Deploying a Stand-Alone Application
- Kubernetes Volume Management
- Deploying a Multi-Tier Application
- ConfigMaps and Secrets
- Ingress
- Advanced Topics - Overview
- Kubernetes Community
- Final Exam

Wymagania:

Some knowledge of Linux system administration is helpful but not required.

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by The Linux Foundation.

Prowadzący:

Certified The Linux Foundation Trainer.

Informacje dodatkowe:

10-12 hours of self-course material.

Hands-on Labs & Assignments.

Optional Paid Certificate of Completion.

Video Content.

Discussion Forums.

Unlimited Access to Online Course.

