

Introduction to Kubernetes (LFS158)

Want to learn Kubernetes? Get an in-depth primer on this powerful system for managing containerized applications in this free course.

Duration: 3 Days

Prerequisites for this course

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

Outline for this course

Chapter 1 – Container Orchestration

Chapter 2 – Kubernetes

Chapter 3 – Kubernetes Architecture - Overview

Chapter 4 – Installing Kubernetes

Chapter 5 – Setting Up a Single-Node Kubernetes Cluster with Minikube

Chapter 6 – Accessing Minikube

Chapter 7 – Kubernetes Building Blocks

Chapter 8 – Authentication, Authorization, and Admission Control

Chapter 9 – Services

Chapter 10 – Deploying a Stand-Alone Application

Chapter 11 – Kubernetes Volume Management

Chapter 12 – Deploying a Multi-Tier Application

Chapter 13 – ConfigMaps and Secrets

Chapter 14 – Ingress

Chapter 15 – Advanced Topics - Overview

Chapter 16 – Kubernetes Community