

## Kubernetes Fundamentals (LFS258)

This course will give you a strong operating knowledge of Kubernetes fundamentals, including how to deploy a containerized application and manipulating resources via the API.

**Duration:** 5 Days

### Prerequisites for this course

- Linux concepts and Command Line
- Package Managers
- Git and GitHub

### Outline for this course

Chapter 1 – Course Introduction

Chapter 2 – Basics of Kubernetes

Chapter 3 – Installation and Configuration

Chapter 4 – Kubernetes Architecture

Chapter 5 – API and Access

Chapter 6 – API Objects

Chapter 7 – Managing State with Deployments

Chapter 8 – Helm

Chapter 9 – Volumes and Data

Chapter 10 – Services

Chapter 11 – Ingress

Chapter 12 – Scheduling

Chapter 13 – Logging and Troubleshooting

Chapter 14 – Custom Resource Definitions

Chapter 15 – Security

Chapter 16 – High Availability

Chapter 17 – Exam Domain Review