Mastering Kubernetes Event-Driven Autoscaling with KEDA (LFS257)

By the end of this course, you will be equipped with the knowledge and practical skills to implement and manage efficient, responsive autoscaling solutions using Kubernetes and KEDA.

Duration: 3 Days

Prerequisites for this course

In order to complete this course, learners should be able to:

- o Basic understanding of Kubernetes and its core components – we recommend the free Introduction to Kubernetes (LFS158) course
- o Familiarity with cloud computing concepts
- o Some experience with Kubernetes cluster management.

Outline for this course

Chapter 1 - Course Introduction

Chapter 2 - Introduction to Autoscaling in Kubernetes

Chapter 3 - Deep Dive into Event-Driven Autoscaling

Chapter 4 - KEDA: Under the Hood

Chapter 5 - Installing and Configuring KEDA

Chapter 6 - Working with Scaled Objects

Chapter 7 - Handle Long-Running Executions with ScaledJobs

Chapter 8 - Secure Scaling

Chapter 9 - Monitoring with Prometheus, Open Telemetry, and CloudEvents

Chapter 10 - Advanced KEDA Configurations

Chapter 11 - Custom Scaling with External Scalers