

Koenig Crafted - Kubernetes Essentials

Duration: 1 Day

Hands-On Format: This hands-on class is approximately 80/20 lab to lecture ratio, combining engaging lecture, demos, group activities and discussions with comprehensive machine-based practical programming labs and project work.

Module 1 – Core Concepts

Overview of Container Orchestration
Introduction to Kubernetes
Kubernetes Architecture

Module 2 – Managing Resources

Managing Pods
Managing Labels & Selector
Managing Replica Set
Managing Service – ClusterIP, NodePort, LoadBalancer

Module 3 – Application Lifecycle Management

Overview of Deployment
Deployment Strategies
Managing Deployment

Module 4 – Storage

Volumes
Persistent Volumes
Persistent Volume Claim