

Kustomize

Duration: 1 Day (8hrs/day)

Prerequisites:

- Basic knowledge of Linux
- Kubernetes Knowledge

Course Objective: This course will help you learn the how kustomize works. We will see how to use kustomize to manage Kubernetes manifests for multiple environments.

Kubernetes and Kustomize Version: Latest

Lab Requirement: Koenig DC (CentOS 9)

Module 1 – Introduction

What is Kustomize

Installing Kustomize

Module 2 – The Kustomization File

Kustomization File – An Overview

Transformers

Generators

ConfigMap Generators

Secret Generator

Resources

Kubernetes Resources Abbreviations

Namespaces

Labels & Annotations

Module 3 – Working with Patches

Patches Overview

Patches – Strategic Merge

Patches – JSON6902

Module 4 – Managing Multiple Environments with Overlays

Multi-env Workflows Overview

Simple Workflows for Monoliths and Microservices

Large Microservice Applications

Module 5 – Reusing Kustomize Configurations

Components

Replacements