

Docker and Kubernetes in 1 Day

Learn to containerise applications with Docker and orchestrate them using Kubernetes, from CLI commands to core objects.

1 Day

8 HOURS

5

MODULES

14

TOPICS

COURSE OVERVIEW

This course introduces containerization fundamentals, covering the Docker Container Runtime Engine, its architecture and workflow, and container image registries. It then examines Docker CLI commands for working with containers, before moving to Kubernetes, including its orchestration architecture, components, and the kubectl and kubeadm tools used for installation and management. The course concludes with creating and working with basic Kubernetes objects to implement orchestration.

WHO THIS COURSE IS FOR

Container Engineers

DevOps Engineers

System Administrators

Infrastructure Engineers

Application Developers

LEARNING OBJECTIVES

- Explain the basic requirements of containerization
- Describe the Docker Container Runtime Engine architecture and workflow
- Identify the role of a container image registry
- Apply Docker CLI commands to manage containers
- Describe the architecture and components of Kubernetes orchestration
- Configure Kubernetes using the kubectl and kubeadm tools
- Implement basic Kubernetes objects for orchestration

5 Modules, 14 Topics

01

Introduction on Docker

TOPICS

- Explore the basic requirements on containerization
- Learn about the overview on Docker Container Runtime Engine
- Understandings the architecture and workflow on containerization using Docker
- Learn about container image registry

02

Docker CLI Commands

TOPICS

- Understanding the CLI commands
- Exploring the commands through containerization

03

Introduction on Kubernetes

TOPICS

- Learn about the overview on Kubernetes Orchestration Tool
- Understanding the architecture and workflow on Kubernetes
- Explore the components on Kubernetes

04

Kubernetes Installation

TOPICS

- Discuss about the Kubectl CLI Tool
- Understanding the kubeadm tool for Kubernetes Installation
- Kubernetes Installation and Management

05

Basic Kubernetes Objects

TOPICS

Explore and creation of Kubernetes objects · Implementing orchestration through Kubernetes

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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