KOENIG SOLUTIONS · COURSE OUTLINE

Workshop - Docker and Kubernetes

Learn to build and manage containerised applications with Docker and orchestrate them using Kubernetes.

2 Days	3	14
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This workshop introduces containers and explains how they differ from virtual machines. It then covers Docker, including creating, starting, stopping and deleting containers, and building images with a Dockerfile. The remainder of the workshop addresses Kubernetes, covering its architecture, managing pods, replica sets and deployments, deployment strategies, ClusterIP services and DaemonSets.

WHO THIS COURSE IS FOR

DevOps Engineers | **System Administrators** | **Software Developers** | **Cloud Engineers** | **Infrastructure Engineers**

LEARNING OBJECTIVES

- Explain what a container is and how it differs from a VM
- Describe Docker and its alternatives
- Create and delete Docker containers
- Start and stop Docker containers
- Build container images using a Dockerfile
- Describe Kubernetes architecture
- Manage pods, replica sets and deployments
- Manage ClusterIP services and DaemonSets

COURSE SYLLABUS

3 Modules, 14 Topics

01

Introduction to Containers

TOPICS

What is Container? · Difference between VM and Container

02

Docker

TOPICS

What is Docker? · Alternatives of Docker · Creating and Deleting Containers · Starting and Stopping Containers · Basics of Dockerfile – To create image

03

Kubernetes

TOPICS

Introduction to Kubernetes · Kubernetes Architecture · Managing Pods · Managing Replica Sets and Deployments · Deployment Strategies – Theory only · Managing Services – ClusterIP · Managing DaemonSet

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

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com | info@koenig-solutions.com