KOENIG · COURSE OUTLINE

40533: Microsoft Cloud Workshop: OSS PaaS and DevOps

Learn to design and implement an open-source PaaS and DevOps solution using Cosmos DB, containers and Azure Functions.

2 MODULES

10 TOPICS

COURSE OVERVIEW

This course covers designing a proof of concept solution based on a customer case study and presenting it to stakeholders. It then works through implementing that solution, starting with running a starter application and migrating its database to Cosmos DB. The remaining modules cover containerizing the application, setting up Web App for Containers, configuring a CI/CD pipeline, and creating an Azure Function for order processing alongside a Logic App for sending SMS notifications.

WHO THIS COURSE IS FOR

- **Cloud Solution Architects**
- **DevOps Engineers**
- **Application Developers**
- **Infrastructure Engineers**

LEARNING OBJECTIVES

- Review a customer case study to identify solution requirements
- Design a proof of concept solution for OSS PaaS and DevOps
- Present a proposed solution to stakeholders
- Migrate a database to Cosmos DB
- Containerize an existing application
- Configure Web App for Containers
- Configure a CI/CD pipeline for deployment
- Create an Azure Function for order processing

COURSE SYLLABUS

2 Modules, 10 Topics

01

Whiteboard Design Session - OSS PaaS and DevOps

LESSONS

Review the customer case study · Design a proof of concept solution · Present the solution

02

Hands-on Lab - OSS PaaS and DevOps

LESSONS

- Run starter application
- Migrate the database to Cosmos DB
- Containerize the app
- Set up Web App for Containers
- Configure CI/CD pipeline
- Create Azure Function for order processing
- Create Logic App for sending SMS notifications

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.

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