KOENIG step forward

Microsoft Solutions Partner
Microsoft Cloud Training Services

KOENIG SOLUTIONS · COURSE OUTLINE

40507: Microsoft Cloud Workshop: Microservices Architecture

Learn to design and implement a microservices architecture using Service Fabric, API Management and load testing.

2 MODULES

14 TOPICS

COURSE OVERVIEW

This workshop covers a customer case study used to design and present a proof of concept microservices solution. It then moves into a hands-on lab that sets up the environment and implements a Service Fabric solution, including placing ticket orders and publishing the Service Fabric application. The lab continues with configuring API Management, publishing the web application, upgrading and rolling back deployments, and load testing with and without partitions. It concludes with securing the web application.

WHO THIS COURSE IS FOR

Solution Architects | **Cloud Developers** | **DevOps Engineers** | **Infrastructure Engineers**

LEARNING OBJECTIVES

- Analyse a customer case study to identify solution requirements
- Design a proof of concept microservices architecture
- Present a proposed microservices solution
- Configure an environment for a Service Fabric solution
- Implement a Service Fabric solution and place ticket orders
- Publish a Service Fabric application and web application
- Configure API Management for a microservices solution
- Apply upgrade and rollback procedures to a deployed solution

COURSE SYLLABUS

2 Modules, 14 Topics

01

Whiteboard Design Session - Microservices Architecture

TOPICS

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

02

Hands-on Lab - Microservices Architecture

TOPICS

- Environment setup
- Implementing the Service Fabric solution (Developer Edition Only)
- Placing ticket orders
- Publish the Service Fabric Application
- API Management
- Configure and publish the web application
- Upgrading
- Rollback (Infrastructure Edition Only)
- Load testing (Infrastructure Edition Only)
- Load testing w/ partitions (Infrastructure Edition Only)
- Secure the web application (Infrastructure Edition Only)

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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