

KOENIG SOLUTIONS • COURSE OUTLINE

AZ-2008: DevOps Foundations: The Core Principles and Practices

Learn the core DevOps principles, from source control and continuous integration to continuous delivery and operations.

8 Hours

DURATION

5

MODULES

23

TOPICS

COURSE OVERVIEW

AZ-2008: DevOps Foundations: The Core Principles and Practices training is designed to introduce participants to the fundamental concepts and practices of DevOps. It covers the key principles that underpin DevOps, including continuous integration, continuous delivery, and the importance of collaboration between development and operations teams. In AZ-2008 training learners will gain an understanding of how DevOps practices can streamline the software development lifecycle, improve efficiency, and enhance product quality.

WHO THIS COURSE IS FOR

DevOps Engineer

Security Engineer

Azure Administrator

Technical Architect

LEARNING OBJECTIVES

- Discover DevOps
- Plan with DevOps
- Develop with DevOps
- Deliver with DevOps
- Operate with DevOps

5 Modules, 23 Topics

01

Discover DevOps

TOPICS

- Describe the DevOps approach
- Explore best practices for fostering DevOps culture
- Identify DevOps goals and benefits
- Understand the DevOps application lifecycle

02

Develop with DevOps

TOPICS

- Define source control and version control
- Describe how to manage source control with Git
- Describe how to manage source control with GitHub Flow
- Define the concept of continuous integration
- Explore DevOps shiftleft testing scenarios
- Explore DevOps shiftleft security scenarios

03

Deliver with DevOps

TOPICS

- Define the concept of continuous delivery
- Describe the concept and implementation methods of IaC
- Review the progressive exposure techniques and deployment practices
- Explore DevOps shiftright testing scenarios
- Describe how to implement continuous delivery with GitHub Actions

04

Operate with DevOps

TOPICS

- Explore the concepts of operational excellence
- Review infrastructure and application monitoring solutions
- Review infrastructure and application security monitoring solutions
- Describe the correlation between SRE and DevOps

05

Plan with DevOps

TOPICS

- Describe the components of and the path to a DevOps culture
- Define the frameworks and methods of the Agile methodology
- Implement DevOps practices
- Use GitHub to plan a project

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