KOENIG SOLUTIONS · COURSE OUTLINE

DASA DevOps Professional Specify and Verify

Learn to specify value-driven requirements and verify quality through testing, monitoring and architecture in DevOps teams.

8
MODULES

50
TOPICS

COURSE OVERVIEW

This course examines how DevOps teams think about quality and value, including the economic perspective on delivering value through the product lifecycle. It covers identifying customers and stakeholders, gathering requirements, and designing products using lean user experience principles. It then looks at architecting systems for DevOps, practical approaches to value assurance and testing, and monitoring and testing products once they are in production.

WHO THIS COURSE IS FOR

- **DevOps Practitioners**
- **Product Owners**
- **Quality Assurance Engineers**
- **Software Architects**
- **Test Engineers**
- **Site Reliability Engineers**

LEARNING OBJECTIVES

- Explain how DevOps teams approach quality assurance and value
- Analyse the product lifecycle from an economic perspective
- Identify customers and stakeholders and gather their requirements
- Apply lean user experience principles to structure product requirements
- Describe architectural considerations and practical architecture work
- Apply common testing practices and value assurance techniques in DevOps
- Evaluate monitoring and testing approaches for production environments
- Assess postmortems as part of a DevOps approach to monitoring

COURSE SYLLABUS

8 Modules, 50 Topics

Course Introduction

TOPICS

- **DASA DevOps Professional:** Specify and Verify Course
- Course Learning Outcomes
- **DevOps Professional:** Specify and Verify and the DASA Competence Framework Module Structure
- Course Agenda
- DASA DevOps Certification Scheme

01

Thinking About Quality and Value

TOPICS

- Intent and Context
- Module Objectives
- Quality and Value
- DevOps View on Quality Assurance DevOps Approach to Quality Assurance
- Human-Technical Systems
- Key Takeaways
- Module-End Questions

02

Delivering Value

TOPICS

- Intent and Context
- Module Objectives
- The Product Lifecycle
- Taking an Economic Perspective Value Stream Mapping
- Key Takeaways
- Module-End Questions

03

Understanding Your Customers

TOPICS

- Intent and Context
- Module Objectives
- Customers and Stakeholders
- Identifying and Interacting With Customers Gathering Requirements From Stakeholders Key Takeaways
- Module-End Questions

04

Designing the Right Product

TOPICS

- Intent and Context
- Module Objectives
- The Right Product
- Lean User Experience
- Structuring Requirements for Products Key Takeaways
- Module-End Questions

05

Architecting for DevOps

TOPICS

- Intent and Context
- Module Objectives
- Introduction to Architecture
- Architecture and Teams
- Fundamental Considerations About Architecture Practical Architecture Work
- Key Takeaways
- Module-End Questions

06

Practical Value Assurance in DevOps

TOPICS

- Intent and Context
- Module Objectives
- Testing and Other VA Techniques
- How to Test Well
- Common Testing Practices and Approaches Value Assurance in DevOps
- Testing in DevOps
- Key Takeaways
- Module-End Questions

07

Monitoring and Testing in Production

TOPICS

- Intent and Context
- Module Objectives
- What Is Monitoring
- Value Assurance in Production Monitoring and Testing Postmortems
- DevOps Approach to Monitoring Key Takeaways
- Module-End Questions

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.

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