

SOACP MODULE 10

Advanced Microservice Architecture & Containerization

This course provides an in-depth exploration of the practices, models and technology architectures behind microservices and containerization.

The following primary topics are covered:

- Microservice Compositions and Compositor Services
- Autonomous Proxy Services
- Pre-Defined Data Views and Shared Isolation Databases
- Microservice Layers and Isolation Levels
- Microservice Instance Registrations
- Workload Distribution and Service Load Balancing
- Synchronized Cross-Instance Events
- Event-Driven Messaging for Microservices
- Atomic Event Processing and Appended Events
- Centralized Isolated State Databases
- Container Chains and Single-Node Multi-Containers
- Multi-Container Isolation Control
- Volatile Container Configurations
- Serverless Microservice Deployments
- Dynamic Scalability Models
- Micro Scatter-Gather Compositions
- Leader Node Election for Microservice Instances
- Redundant Microservice Implementations
- Microservice Composition Autonomy
- Container Sidecars and Microservice Ambassadors
- Log Aggregation for Microservices
- Distributed Diagnostics for Microservices

Duration: 1 Day

STUDY KIT CONTENTS

This course is available as part of an Arcitura Study Kit that includes the contents listed below. In addition to the base course materials used during training workshops, additional materials designed for self-study purposes are also included.

- Presentation Booklet
- Workbook
- Self-Study Guide
- Supplement
- Mind Map Poster
- Flashcards
- Audio Tutor Recordings (usb)



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Microservice Architect

CERTIFICATION

This course is part of an accreditation curriculum through which one or more official certifications can be achieved.



Combined, partial and module-specific exams are available worldwide via Pearson VUE testing centers, Pearson VUE online-proctoring or Arcitura on-site exam proctoring at your location.

For more information, visit:
www.arcitura.com/soacp/microservice.

eLEARNING

This course is available via on-line access as part of an eLearning Study Kit.

