

# SOACP MODULE 10

## Advanced Microservice Architecture & Containerization

Arcitura®  
CERTIFIED  
Microservice Architect

### OVERVIEW

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

### TRAINING + CERTIFICATION

This course is part of a training and accreditation program through which official certification can be achieved and for which official training and certification badges can be issued.



[www.arcitura.com/soacp/microservice](http://www.arcitura.com/soacp/microservice)

### eLEARNING + PRINTED STUDY KITS

This Arcitura study kit includes the contents listed below. These course materials are available in full-color printed format, as well as in eLearning subscription format, via online access and offline file download.

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



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	Certified SOA Professional*	Certified SOA Analyst	Certified SOA Architect	Certified Microservice Architect	Certified Service Tech Consultant	Certified Service API Specialist	Certified Service Governance Specialist	Certified Service Security Specialist
MODULE 01 Fundamental SOA, Services & Microservices	●	●	●	●	●	●	●	●
MODULE 02 Service Technology Concepts	○		●	●	●	●		●
MODULE 03 Design & Architecture w/ SOA, Services & Microservices	○	●	●				●	
MODULE 04 Fundamental SOA Analysis & Modeling w/ Services & Microservices		●						
MODULE 05 Advanced SOA Analysis & Modeling w/ Services & Microservices		●						
MODULE 06 SOA Analysis & Modeling Lab w/ Services & Microservices		●						
MODULE 07 Advanced SOA Design & Architecture w/ Services & Microservices			●					
MODULE 08 SOA Design & Architecture Lab w/ Services & Microservices			●					
MODULE 09 Fundamental Microservice Architecture & Containerization				●	●			
<b>MODULE 10 Advanced Microservice Architecture &amp; Containerization</b>				●				
MODULE 11 Microservice Architecture & Containerization Lab				●				
MODULE 12 Fundamental Service API Design & Management					●	●		
MODULE 13 Advanced Service API Design & Management						●		
MODULE 14 Service API Design & Management Lab						●		
MODULE 15 Fundamental Service Governance & Project Delivery							●	
MODULE 16 Advanced Service Governance & Project Delivery							●	
MODULE 17 Service Governance & Project Delivery Lab							●	
MODULE 18 Fundamental Security for Services, Microservices & SOA					●			●
MODULE 19 Advanced Security for Services, Microservices & SOA								●
MODULE 20 Security Lab for Services, Microservices & SOA								●

\* The Certified SOA Professional designation is automatically issued when achieving any other SOACP certification. It can also be achieved by receiving passing grades on Exams S90.01B + S90.02B or S90.01B + S90.03B.