

# SOACP MODULE 07

## Advanced SOA Design & Architecture with Services & Microservices

Arcitura®  
CERTIFIED  
SOA Architect

### OVERVIEW

This course provides an in-depth exploration of the overarching models and underlying mechanics of service-oriented technology architecture. A wide range of topic areas is covered to provide techniques, insights and perspectives of the inner workings of service and composition architectures, including messaging, microservice deployments, service contracts, API gateways, containerization and many more.

The following primary topics are covered:

- SOA vs. Traditional Architectures
- Understanding Service and Composition Architectures
- Logic Centralization, Schema Centralization and Canonical Schemas
- Dual Protocols, Canonical Resources and Inventory Endpoints
- Contract Centralization, Official Endpoints and Services with Concurrent Contracts
- Lightweight Endpoints, Reusable and Uniform Contracts
- Service Façades, Legacy Wrappers and Service Data Replication
- Microservice Deployments and Containerization
- Redundant Implementations, Content Negotiation and Idempotent Capabilities
- Messaging Metadata, State Messaging and Event-Driven Messaging
- Service Instance Routing, Endpoint Redirection, Service Agents and Intermediate Routing
- API Gateways and Asynchronous Queuing
- Data Format Transformation, Data Model Transformation and Protocol Bridging
- Service Brokers and the Enterprise Service Bus
- Orchestration and Compensating Service Transactions
- Composition Autonomy, Entity Linking and State Repositories

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/architect](http://www.arcitura.com/soacp/architect)

### eLEARNING + PRINTED STUDY KITS

This course is available as part of a study kit that includes course materials and supplemental self-study materials. The study kit is available in full-color printed format and eLearning format. Both types of study kits include the contents listed below.

- Workbook
- Self-Study Guide
- Mind Map Poster
- Flashcards
- Audio Tutor Recordings



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## Advanced SOA Design & Architecture with Services & Microservices

	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		●						
<b>MODULE 07 Advanced SOA Design &amp; Architecture w/ Services &amp; Microservices</b>			●					
MODULE 08 SOA Design & Architecture Lab w/ Services & Microservices			●					
MODULE 09 Fundamental Microservice Architecture & Containerization				●	●			
MODULE 10 Advanced Microservice Architecture & Containerization				●				
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.

Arcitura SOA School ([www.arcitura.com/soa-school](http://www.arcitura.com/soa-school))