

SOACP MODULE 12

Fundamental Service API Design & Management

Arcitura®
CERTIFIED
Service API Specialist

OVERVIEW

This course covers essential topics pertaining to modern-day service API design and management, including API roles, the API lifecycle and fundamental API patterns and coupling types. Also covered are established and alternative data serialization technologies, API gateways and a comprehensive tutorial of REST and related patterns.

The following primary topics are covered:

- Introduction to APIs and API Roles
- Public, Private and Partner API Models
- The Service API Lifecycle
- Decoupled Contracts and Service Façades
- Contract Centralization and Service Agents
- Positive and Negative Service Coupling Types
- Text-based Data Serialization Formats (XML, JSON)
- Binary Data Serialization Protocols (Apache Avro, Thrift, Google Protocol Buffer)
- REST APIs and REST Properties
- Endpoint Redirection, Entity Linking and Idempotent Capabilities
- Lightweight Endpoints and Uniform Contracts
- API Gateways and Service Brokers
- Data Model and Format Transformation, Protocol Bridging
- Intermediate Routing, Brokered Authentication and Multi-Channel Endpoints

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/serviceapi
www.arcitura.com/soacp/consultant

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
- Mind Map Poster
- Flashcards
- Audio Tutor Recordings (usb)



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EXAM PROCTORING

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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				●	●			
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.