

SOACP MODULE 19

Advanced Security for Services, Microservices & SOA

Arcitura®
CERTIFIED
Service Security
Specialist

OVERVIEW

This course covers a series of technical and complex security topics pertaining to contemporary service-oriented solution design, infrastructure, microservices, API gateways and modern service technologies.

The following primary topics are covered:

- Understanding SOA Security Threats
- STRIDE (Spoofing, Tampering, Repudiation, Information Disclosure, Denial-of-Service, Elevation of Privilege)
- SOA Security Patterns for Internal Service Architecture (Exception Shielding, Message Screening, Trusted Subsystem, Service Perimeter Guard)
- Security Token Structures and Issuance (JWT, Username, X.509, SAML)
- Authentication Sessions and Secure Conversations
- Federation and Trust Brokering Security
- Policy Design and Governance
- REST Security Controls and Designs
- Open API Specification (OAS v 3.0), Open ID Connect
- Web service Security Controls and Designs
- WS-Policy, WS-SecurityPolicy, WS-Trust and WS-Secure Conversation with SAML
- Microservices and Containerization Security Considerations
- Security Extensions and Controls for API Gateways and ESBs
- Security Risks and Considerations for Cloud-based Services and Service Compositions
- Preparing for Common SOA Security Threats

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/security

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 Posters
- Flashcards
- Audio Tutor Recordings



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Advanced Security for Services, Microservices & SOA

	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.

Arcitura SOA School (www.arcitura.com/soa-school)