

SOACP MODULE 18

Fundamental Security for Services, Microservices & SOA

Arcitura®
CERTIFIED
Service Security
Specialist

OVERVIEW

This course provides essential techniques, patterns and industry technologies that pertain to establishing security controls and security architectures for services, microservices and service-oriented solutions.

The following primary topics are covered:

- Security and the Service-Oriented Architectural Model
- SOA Security Considerations for Service and Composition Architectures
- Security Implications of Service-Oriented Principles
- Trust, Claims, Tokens, Identity, Authentication, Authorization, Transport and Message Layer Security
- Encryption, Hashing, Digital Signatures, Identity and Access Management (IAM)
- Public Key Infrastructure (PKI), Digital Certificates, Certificate Authorities, Single Sign-On (SSO)
- REST Services and JSON Industry Standards
- JavaScript Object Signing and Encryption (JOSE) Framework, OAuth2
- HTTP Basic and Digest Authentication, API Key, JWT with X.509 certificates
- Service Interaction Security Patterns (Data Confidentiality, Data Origin Authentication, Direct Authentication, Brokered Authentication)
- Web Services and XML Industry Standards
- XML Encryption, XML Signature, WS-Security, Token Profiles, SAML
- Microservice Security Considerations
- Implementing SOA Security and Service-Oriented Security

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
www.arcitura.com/soacp/consultant

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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	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)