

SOACP MODULE 03

Design & Architecture with SOA, Services & Microservices

This course delves into the service-oriented architectural model and the service-orientation design paradigm and establishes the unique characteristics and dynamics that constitute service-oriented solution logic. The course raises a series of distinct considerations for designing service-oriented solutions with microservices, as well as REST services and Web services.

The following primary topics are covered:

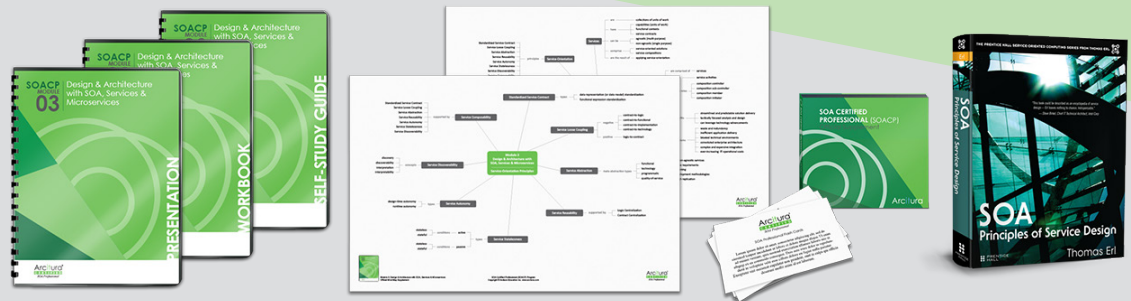
- Fundamental Application Design with SOA
- Service-Oriented vs. "Silo"-Based Design
- Service-Oriented Application Design with Microservices
- Understanding Services and Service Capabilities
- Understanding the Functional Context of Microservices
- Complex Service Composition Design, Composition Runtime Roles and Responsibilities
- Composition with Microservices
- Distinguishing Characteristics of the SOA Model
- The Eight Design Principles of Service-Oriented
- Contract-First Design, Standardized Service Contracts and Uniform Contracts
- Service Loose Coupling and Coupling Types, Service Abstraction and Information Hiding
- Service Reusability and Agnostic Design, Service Autonomy and Runtime Control
- Service Statelessness and State Deferral, Service Discoverability and Interpretability
- Design Guidelines for REST Services
- Design Guidelines for Web Services
- Design Guidelines for Microservices

Duration: 1 Day

STUDY KIT CONTENTS

This course is available as part of an Arcitura Study Kit that includes the contents listed below. In addition to the base course materials used during training workshops, additional materials designed for self-study purposes are also included.

- Presentation Booklet
- Workbook
- Self-Study Guide
- Mind Map Posters
- Flashcards
- SOA Principles of Service Design Textbook
- Audio Tutor Recordings (usb)



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CERTIFICATION

This course is part of an accreditation curriculum through which one or more official certifications can be achieved.



EXAM \$90.03B

Exams are generally available at Pearson VUE testing centers worldwide, via Pearson VUE online proctoring and on-site delivery as part of private workshops.

