



## Module 3: SOA Design & Architecture

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.

Topics covered include:

- The following primary topics are covered:
- History of Service-Oriented and SOA Theory
- Service-Oriented vs. "Silo" based Design
- Distinguishing Characteristics of the SOA Model
- Understanding Services and Service Capabilities
- Complex Service Composition Design, Composition Runtime Roles and Responsibilities
- The Service-Oriented Design Paradigm
- "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
- Introduction to SOA Design Patterns

This course corresponds to Exam S90.03, which is required for the following certifications: Certified SOA Architect, Certified SOA Consultant, Certified SOA Analyst, Certified SOA Java Developer, Certified SOA .Net Developer, Certified SOA Governance Specialist, Certified SOA Security Specialist and Certified SOA Quality Assurance Specialist

For more information, visit [www.soaschool.com](http://www.soaschool.com) and [www.soacp.com](http://www.soacp.com).

### Self-Study Kit For Exam S90.03

The materials for this course module can be purchased separately as part of Self-Study Kit for Exam S90.03, which includes additional materials and study aids. These materials are designed to prepare you for Exam S90.03 but they are also suitable for general remote, self-paced study purposes.

The contents in this self-study kit include a full-color Course Module Booklet (163 pages), full-color SOA Principles of Service-Oriented poster, Self-Study Guide 3 (50 pages), Audio Tutor CD 1 & 2 (by Thomas Erl), Resource CD 3 (OnSOA Podcasts), 30 Flash Cards, Candidate Agreement, and a Prometric Exam Voucher (\$150 Value) that can be used at any qualified Prometric testing center in the world.

For ordering information, visit [www.soaselfstudy.com](http://www.soaselfstudy.com).

