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Spotlight On:



LearnQuest offers Private Training, Public Classes, Project Mentoring and Blended Learning!

Service Oriented Architecture

Service oriented architecture is an information technology approach or strategy in which applications make use of services available in a network. Implementing an SOA can involve developing applications that use services, making applications available as services so that other applications can use those services, or both.

A "service" provides a specific function, typically a business function. A service can provide a single discrete function or it can perform a set of related business functions. One way of looking at an SOA is as an approach to connecting applications so that they can communicate with each other. In other words, SOA is a way of sharing functions in a widespread and flexible way.

What distinguishes an SOA from other architectures is loose coupling. Loose coupling means that the client of a service is essentially independent of the service. The way a client communicates with the service doesn't depend on the implementation of the service. This means that the client doesn't have to know very much about the service to use it. It's up to the service to determine what business function(s) to apply.

LearnQuest offers 15 Courses in Service Oriented Architecture training including role specific and 5-Day Immersion Bootcamps!

LearnQuest Service Oriented Architecture Training Courses

Introduction to SOA
 SOA for Managers
 SOA Testing Workshop
 SOA for z/OS
 SOA for Executives
 Implementing SOA Governance

SOA Immersion Bootcamp
 SOA for Architects
 Service Oriented Analysis & Design
 SOA and Web Services
 SOA Best Practices for Business
 SOA Foundation Workshop

Look for these SOA Courses Coming Soon!

Mastering Service Oriented Analysis and Design (SOAD)

SOA Immersion Bootcamp for .NET

WebSphere Process Server Programming Using WebSphere Integration Developer

SOA for Architects BizTalk Edition

Mastering Service Oriented Analysis and Design with .Net

Securing the Service Oriented Enterprise

SOA for Security Professionals

SOA Best Practices for Technology

Roadmap to your Future:

Service Oriented Architecture Learning Path

Click to see what your next step should be!

Do you have a topic you would like to see featured in an upcoming edition or a question you would like answered? Send us your suggestions and questions!

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The SOA Lifecycle

Because SOA touches so many parts of your business, undertaking SOA projects involves careful planning and design from the outset. You need to think of the entire lifecycle of the project, from its inception to its first realization and on to possible revisions and reuses.

Model—The first step has little to do with technology and everything to do with your business. In this step you determine what kinds of services you need and the data they will access.

Assemble—Some of the software needed may already exist in some form. This step is about identifying existing functionality and service-enabling it. This step is also about creating new services that provide functionality and access to data sources that you need to meet the range of business processes being addressed by your SOA.

Deploy—Once modeled and assembled, the assets that make up your SOA are deployed into a secure and integrated environment. The deployment needs to meet the performance and availability needs of your

business and provide the flexibility to incorporate new services, and decommission old ones, without major impact to the system as a whole.

Manage—Manage and monitor from both an IT and a business perspective. In this step, you monitor and optimize the system, finding and correcting inefficiencies and problems.

Governance—An SOA is a decentralized system, it can include services from different parts of your organization, even external services. Without proper governance, the system can easily spin out of control.



LearnQuest's Public Class Schedule

LearnQuest offers the following courses on the Public Class Schedule. Training Facilities are located throughout the United States.

Course Titles (Partial List)		Training Locations (Partial List)	
Introduction to SOA	Service Oriented Architecture (SOA) for Managers	Birmingham, AL	Metairie, LA
Testing SOA Applications	Service Oriented Architecture (SOA) Immersion Bootcamp	Little Rock, AR	Charlotte, NC
Servlets and JSP Programming Using MyEclipse	Servlets and JSP Programming Using WSAD 5.1	Tucson, AZ	Las Vegas, NV
OO Programming with Java Using RAD 6	Object Oriented Analysis & Design with UML 2.0	Bakersfield, CA	New York, NY
OO Programming with Java	OO Programming with Java Using WSAD 5.1	San Francisco, CA	Cincinnati, OH
Core J2EE Patterns Using RAD 6	Intro to JavaServer Faces (JSF) Using RAD 6	Aurora, CO	Oklahoma City, OK
Developing J2EE Applications Using Spring Framework	Developing J2EE Applications Using Hibernate® and Eclipse	Boulder, CO	Pittsburgh, PA
EJB Programming Using WSAD 5.1	RAD 6 New Features	Colorado Springs, CO	Philadelphia, PA
Essentials of IBM Rational Functional Tester	Essentials of IBM Rational Software Architect	Wilmington, DE	West Chester, PA
Rational Tools Overview	Essentials of IBM Rational Software Modeler	Miami, FL	Warwick, RI
SoDA (Rational Software Documentation Automation)	Foundations of the Rational Unified Process	Tampa, FL	Nashville, TN
Introduction to Rational RequisitePro	Introduction to Struts 1.1 Using WSAD 5.1	Boise, ID	Houston, TX
Oracle 10g Basic and Advanced SQL for Developers Using SQL Plus	Oracle 10g PL SQL for Developers Using SQL Plus	Indianapolis, IN	San Antonio, TX

LearnQuest's Newest Course Offerings

Follow the link to see complete course outline

OO Programming with Java Using AST 6.1	5 Days EJCJ-305	Programming Using AST 6.1	1 Day EJWS-530
Developing J2EE Applications Using Hibernate® and RAD 6	3 Days EJJF-420	EJB 3 Development with JBoss	5 Days EJJB-110
Java Data Objects in Depth Using KODO 4	3 Days EJWS-715	WebSphere MQ C++ Programming	3 Days MMM-225
WebSphere MQ 6 System Administration for AS/400	3 Days MMM-235	JMS Programming for WebSphere MQ	2 Days MMM-230
AJAX	3 Days WDAJ-110	Basic PowerBuilder 11 Programming	5 Days PLPB-300
Servlets and JSP Using AST 6.1	3 Days EJWS-705	Oracle Enterprise Manager 10g Grid Control	5 Days DBOR-650