

TT7020: SOA Processes (1 Day)



SOA Processes is a one day workshop geared for managers and project stakeholders who need to develop a deeper understanding of what SOA means.

► Course Objectives: What You'll Learn

Organizations are struggling with how to translate SOA's vision into practical terms and concepts. This course builds on the foundation established by our **Understanding SOA Technical Overview Seminar** (TT7000) or an equivalent base of knowledge and understanding about SOA.

The objective of this course is to provide a practical understanding of the strategic actions that need to occur to realize SOA. Those actions generally fall into the areas of congruence between business and IT, enabling several dimensions of agility, and establishing a new paradigm for governance.

► What You'll Learn

SOA Processes highlights practical issues involved in adopting SOA at an enterprise level. The goal of this course is to empower students with the knowledge and foresight they need to lead and participate in the implementation of realistic SOA-based business application projects.

Working in a dynamic learning environment, students will be able to:

- Identify the motivations behind developing services and, on a higher level, a SOA-based approach to solving problems
- Recognize and appreciate the differences between an ad hoc set of services and a well-managed portfolio of services
- Understand what characteristics make a service reusable and the issues integral to reusability
- Appreciate and discuss the importance for a common framework in both technical and organizational terms
- Relate to agility in terms of business, technology, and information
- Understand in real terms some of the issues facing SOA implementations today.

If your team requires more advanced materials or custom topics, this course may be easily adjusted to accommodate.

COURSE SNAPSHOT

Duration: 1 day
Skill Level: Intermediate
Focus: Understanding SOA Using Case Study
Audience: Technical managers, stakeholders, executives and developers, architects and analysts.
Hands-On: Expert lecture combined with open discussions and high-level demonstrations
Delivery Format: Available for onsite private classroom presentation, or live online / virtual presentation
Customizable: Yes

We offer many additional SOA classes which may be blended with this course for a track that best suits your learning objectives.

► Experiential Learning – Course Structure

Attending students will be led through a series of advanced topics comprised of integrated lectures, group discussions and comprehensive demonstrations. The course provides a solid foundation in basic terminology and concepts, extended and built upon throughout the engagement.

► Audience & Pre-requisites: Who Should Attend

This an **intermediate level** SOA training course, designed for people who need to understand and manage existing or upcoming SOA projects. We assume students have taken **TT7000 Understanding SOA** or have an equivalent level of knowledge.

► Related Courses – Suggested Learning Path

Take Before: Students should have basic understanding and a working knowledge in the following topics, or attend these courses as a pre-requisite:

- **TT7000 Understanding SOA**

Take Instead (or after): We offer other courses that provide different levels of knowledge or focus:

- SOA Seminar Series: **TT7015 SOA Leadership**
- SOA Seminar Series: **TT7020 SOA Processes**
- If your team needs in-depth SOA training, the **TT7100 Service-Oriented Architectures Analysis and Design** course may be more appropriate.
- Hands-on SOA: **TT7110 SOA Analysis**

- For those members of your team that are focusing on using SOA and Web Services, please consider **TT7150 Mastering Service-Oriented Architecture (SOA) and Web Services**.

Take After: We offer a variety of introductory through advanced development, project management, engineering, architecture and design courses. Students may want to consider the following topics as a follow-on to this course.

- Additional Service-Oriented Analysis and Design topics for laymen, managers, analysts, developers and designers – introductory through advanced
- Web Services and XML - Intro through Advanced
- Architecture & Analysis courses
- Software design and application development security
- Software Engineering, Design or Project Management tracks
- Application development topics for Java, J2EE, JavaEE and more, introductory/overview through advanced Web Development and design topics

programming languages or environments, as well as tailored to best suit your needs. Please contact us for recommended next steps tailored to your longer term education, project or development objectives.

► **Student Materials: What You'll Receive**

Our robust course materials include much more than a simple slideshow presentation handout. Trivera Technologies Student materials include a comprehensive hard-copy course manual, complete with detailed course notes, code samples, diagrams and current reference materials, all directly related to the course at hand, indexed for ease of use. Step-by-step lab instructions and project descriptions are clearly illustrated and commented for maximum learning and ease of use.

Our course kits are designed to serve as an excellent and useful reference set, long after we leave your classroom.

Please note all development courses may also be offered in other

Workshop Topics Covered

SOA Reviewed

- SOA Defined
- Reusable Services
- Common Framework: Organizational
- Common Framework: Technical
- Introduction to Case Study

Case Study Workshop

- Discovery and Identification
- Recognizing Potential for Reusability
- Motivation for Service-Based Approach
- Problems With Ad Hoc Approach
- Advantages of Managed Approach
- Harvesting Reusable Services
- Need for Governance
- Need for Infrastructure
- Refactoring and Agility in Face of Change
- Issues Yet to Be Adequately Resolved

***Need more details?** Please note that a more detailed outline of the course table of contents, lists of lab exercises and project descriptions is available. Please contact us at Training@triveratech.com for info.*

***Need courseware?** This course is fully customizable, and also available for license with complete support for qualified organizations. Please contact Courseware@triveratech.com for details*

► **Why Work With Trivera Technologies?**

- **Our courses are focused - no "fluff" included.** We offer more than a “laundry list” approach to teaching. All lessons have clear objectives, are fundamental to learning core defensive programming practices, and are reinforced by hands-on code labs and solid practical examples. Each lesson has performance driven objectives that ensure students will learn technologies and skills core to fundamental SOA concepts – nothing more, nothing less. Students will learn the importance of developing well-designed applications.
- **Our materials are comprehensive, and current.** Each lesson has performance driven objectives that ensure students will learn technologies and hands-on skills core to Java development – nothing more, nothing less. Progressive labs are designed in such a way that students get a firm grasp on fundamental skills while they work toward building a complete solution. All lessons have clear objectives, are fundamental to learning core design principles, and are reinforced by dynamic demos, group labs and solid real-world practical examples.
- **Our materials are robust.** Our comprehensive manuals include not only a hard copy of the course presentation, but also detailed reference notes, pertinent diagrams and charts, current lists of suggested online resources and articles, and often technical tutorials or white papers geared to the topics at hand. Hands-on courses also include our unique materials for each student, complete with course set up, software, and a multitude of learning resources that complement the course.

- **We provide a solid foundation.** Students will learn how to use (and reuse!) essential SOA skills and concepts properly, using best practices, grounding them for advanced curriculum, and will be prepared for designing and implementing solutions.
- **We foster "Learning by Doing".** Progressive labs are designed in such a way that students get a firm grasp on fundamental skills while they work toward defending a complete application. All labs are take-home, and all solution code (if applicable) is presented in an easy to use self-study format for future use and review.
- **True content ownership gives us flexibility & quality above the rest.** These course materials are wholly-owned by our company and fully customizable, at little or no cost, to help you best meet your learning objectives. We have many dedicated experts available worldwide to instruct your team, and can provide services around the globe, either locally or virtually. We work closely with you to produce the most effective events and materials for your team, within your desired timeframe and budget.
We have to adhere to higher standards. As a courseware provider, our content and hands-on lab materials are licensed internationally by dozens of firms, and are therefore subject to very stringent quality requirements. Not only will your organization benefit from our own technical team's technical expertise, but also the feedback of hundreds of students and trainers using these materials, worldwide, on a regular basis. This unique fact guarantees that our materials are not only robust and interesting, but also technically correct, current and of the highest quality and usability.
- **We bring years of practical, current experience into the classroom and content.** Our instructors and course authors are also skilled mentors, Java, J2EE, .Net, SOA, web development and web services developers, architects and security-oriented professionals. We believe that learning, using and maintaining solid software execution and delivery methods are as important as gaining sharp coding skills. Best Practices for software development and execution, beyond technical coding skills, are enforced throughout all of our courses and discussions. Our team brings this extensive experience into every classroom and engagement.
- **We're skills-centric.** Although our team has extensive experience using a variety of tools and solutions, our core content is "technology-centric". Our aim is to teach you the best skills and solutions out there – not to sell you software from any particular vendor.
- **We're authors.** Our team was selected to write the online *J2EE, EJB, EJB CMP-CMR and Web Services Tutorial Series for IBM developerWorks®* (www.ibm.com) These are the same instructors who train our classes and author the courseware. Most of our trainers/consultants have also authored additional articles on web services, EJB< Struts, J2EE and advanced Java topics, and are recognized speakers and presenters on the industry technical seminar circuit. Our team is comprised on several successful published authors. Members of our team have written or contributed to: *Eclipse Kick Start, Mastering Eclipse; Professional Jakarta Struts; Using Java Tools for Extreme Programming; Mastering Resin; Mastering TomCat and others.*
- **Our services are guaranteed.** Whether you're a stakeholder organizing your firm's educational services, a student in our live or virtual classroom or a trainer using our materials to educate your own client or team – **Our core mission is to make YOU a success in the classroom.**

► **For Additional Information**

Need dedicated training? All courses can be brought onsite for a **private presentation**, customized to suit your unique requirements or goals. Please contact Training@triveratech.com for course details, Public Schedule dates and locations, and Special Discount Offers.

Need courseware? Let us take the risk out of your classroom delivery! All materials are also available for corporate license with complete instructor support and free corporate branding. We guarantee our pricing and service. Samples of our course materials, as well as live client references for all of our services are available upon request. Please contact Courseware@triveratech.com for details.

For more information about our training, mentoring or courseware licensing options, or to see our complete list of course offerings and services, please visit us at www.triveratech.com, email Training@triveratech.com or call 609.953.1515.



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