



Applied SOA Patterns on the Oracle Platform

By *Sergey Popov*

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Fuse together your pragmatic Oracle experience with abstract SOA patterns with this practical guide

About This Book

- Demonstrates how to approach the Big Problem, decompose it into manageable pieces and assess the feasibility of SOA methodology to build the entire solution using real-life examples
- Explores out the links between SOA Principles, Open Standards and SOA Frameworks with clear standards implementation roadmaps
- A collection of "lessons learned" from various implementations undertaken over the years, but the book can also be used as a textbook of preparation for SOA Professional/Architect exams (from SOA school)

Who This Book Is For

Applied SOA Patterns on the Oracle Platform is aimed at architects practicing SOA or traditional integration, and also at technical team leaders implementing Oracle Fusion under SCRUM or WF methodology.

What You Will Learn

- Understand the links between SOA principles, standards, and patterns in relation to the service characteristics you want to achieve
- Identify the most suitable SOA tools for your task from the Oracle Fusion stack
- Deploy your Business Rules in a centralized, controllable, and manageable fashion to support dynamic service compositions
- Implement flexible taxonomy for Enterprise Service Repository, service monitoring, and automated service recovery
- Identify the SOA security risks and mitigate them with minimal impact on your composition's performance
- Use the SOA design pattern for preparing your Enterprise for the cloud
- Balance your long-running and fast-running service compositions between different service frameworks and service layers

In Detail

For architects and developers, to solve business problems in the most efficient way possible, the experience of building complex collaboration and messaging systems in different industries combined with the architectural knowledge of practically realizing SOA patterns is what is required.

Applied SOA Patterns on the Oracle Platform is dedicated to problem solving with the application of common patterns. This book will help you face all the challenges that even seasoned architects can struggle with. It begins with a descriptive introduction to SOA principles and standards. Next, it explores how to balance the principles in different SOA frameworks and where you can try for standard implementations. Security aspects are covered in a chapter dedicated to the topic.

The aim of Applied SOA Patterns on the Oracle Platform is to enable you to service working components, suitable for all types of SOA implementation based on Oracle tools.

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Editorial Review

About the Author

Sergey Popov

Sergey Popov is an SOA Implementation Expert, Oracle Certified Professional, Oracle Fusion Middleware Architect, certified Oracle SOA Infrastructure Implementation Specialist, and certified SOA Trainer in Architecture and Security. With over 20 years of experience in establishing enterprise collaboration platforms based on SOA and integration principles, he started with earlier Oracle DB versions while still an undergraduate in the early 90s. After graduating with Honors from St. Petersburg Telecommunication Institute, he became part of the shipping and transportation business, initially working in Norway for a large RORO and then later with container-shipping companies such as Wilh. Wilhelmsen ASA and Leif Hoegh as an Integration / SOA Developer and Architect. During this technology-shifting period, when EDI was initially enhanced and later replaced by XML, a number of solutions were provided for message brokering, enterprise application integration, and public services implementation. By adopting the emerging SOA principles, lightweight service brokers were implemented, handling around 100 to 1,000 messages daily in all possible formats and protocols. With new Oracle products that were launched in early 2,000s, new technological solutions were tried and realized, based on Service Repositories and Enterprise Orchestrations. Upon joining Accenture, Nordic, new opportunities emerged for him with regards to the implementation of the SOA methodology and Oracle-advanced products across Scandinavia and Northern Europe. Sergey was an Architect, responsible for enabling the service of a massive installation of Oracle E-Business Suite at Posten Norge, the largest Scandinavian logistics operator. Several OFM 10g products were employed in order to achieve the desirable high throughput. The project was considered successful by both the client and Oracle. Providing message-brokering solutions at TDC, Danish Telecom, and designing the entire SOA infrastructure blueprint for DNB NORD bank were other significant tasks that he accomplished at the time. As a certified trainer in several SOA areas, Sergey in recent years has been engaged in providing extensive multipath training to highly skilled architects, participated as a speaker at SOA Symposium, and published several articles for Service Technology Magazine, which is dedicated to the optimal Service Repository taxonomy. As an Enterprise SOA/SDP Architect at Liberty Global (LGI), Sergey participated in the implementation of the Pan-European Service Layer for the entire telecom enterprise, based on optimal combinations of various SOA patterns. The benefits of the SOA methodology allow you to combine Oracle Fusion products with the best-in-breed from Security and ESB platforms (Intel, Fuse, and ServiceMix). The success of this course would not have been possible without great efforts from the TMNS development and implementation team.

Users Review

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