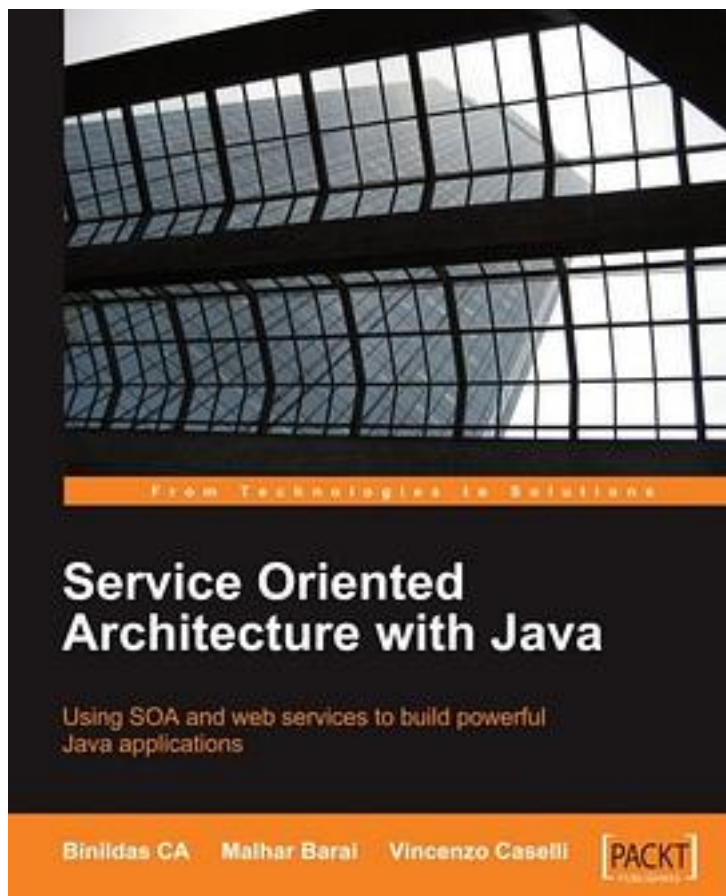


Service Oriented Architecture with Java



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This book shows how to use SOA and web services to build powerful applications in Java. It teaches the concepts and the implementation with best-practice real-world examples. You will learn to design a sound architecture for successful implementation of any business solution, the different types of architecture, and various tenets of SOA.

The book explains the fundamentals and the advantages of using the Service Oriented Architecture in designing your business solution.

In Detail

Service Oriented Architecture provides a way for applications to work together over the Internet. Usually, SOA applications are exposed through web services.

Web services have been around for a while, but complex adoption processes and poor standardization hampered their use at first. However, with the adoption of new, simpler protocols such as REST, and major companies supporting SOA, the time is now right to adopt these standards.

This book will show you how to build SOA, web services-based applications using Java. You will find out when SOA is the best choice for your application, how to design a sound architecture, and then implement your design using Java.

The book covers the important web services protocols: XML-over-HTTP, REST, and SOAP. You will learn how to develop web services at all levels of complexity and for all kinds of business situations.

What you will learn from this book

- * Understand the importance of Client/Server Architecture and Service Oriented Architecture
- * Implement web services with various degrees of complexity and flexibility using Java
- * Learn the major web service platforms available in the Java world, namely JAX WS 2.0, Apache Axis, Spring, and XFire
- * Learn the concepts of SOA Core, the business layer, with the help of case studies and real-world examples
- * Build strong understanding into building effective SOA applications with Java Web Services

Approach

This book is an overview of how to implement SOA using Java with the help of real-world examples. It briefly introduces the theory behind SOA and all the case studies are described from scratch.

Who this book is written for

This book is for Java programmers or architects who are interested in implementing SOA concepts in their applications. Readers should be familiar with Java Enterprise concepts.

作者介绍:

Vincenzo Caselli

Vincenzo Caselli graduated in Electrical Engineering in 1991 at the University of Bologna. Since 1996 he has been working as an independent consultant and Java trainer for several Italian software houses. He began working as a developer in Delphi and other visual IDEs with AS/400-based companies. Soon he shifted his focus to Java and began to propose Swing client/server multi-layered solutions to his customers. He also worked in the web development area with several frameworks (Struts, Hibernate, Spring, JSF, and GWT) in different fields (banking, manufacturing, healthcare, and e-learning). Recently he collaborated with IBM in projects based on Eclipse RCP and SOA. He is interested in every consultancy and training activity aimed to improve the productivity and quality of the software development process, possibly by using open-source products.

Binildas A. Christudas

Binildas C. A. provides Technical Architecture consultancy for IT solutions. He has over 13 years of IT experience, mostly in Microsoft and Sun technologies. Distributed Computing and Service Oriented Integration are his main stream skills, with extensive hands-on experience in Java and C#.NET programming. Binil holds a BTech. degree in Mechanical Engineering from College of Engineering, Trivandrum (www.cet.ac.in) and an MBA in Systems Management, from Institute of Management, Kerala (www.imk.ac.in). A well-known and a highly sought-after thought leader, Binil has designed and built many highly scalable middle-tier and integration solutions for several top-notch clients including Fortune 500 companies. He has been previously employed by multiple IT consulting firms including IBS Software Services (www.ibsplc.com) and Tata Consultancy Services (www.tcs.com) and currently works for Infosys Technologies (www.infosys.com) as a Principal Architect where he heads the J2EE Architects group servicing Communications Service Provider clients.

Binil is a Sun Certified Programmer (SCJP), Developer (SCJD), Business Component Developer (SCBCD) and Enterprise Architect (SCEA), Microsoft Certified Professional (MCP) and Open Group (TOGAF8) Certified Enterprise Architecture Practitioner. He is also a Licensed Zapthink Architect (LZA) in SOA. Besides Technical Architecture Binil also practices Enterprise Architecture.

When not in software, Binil spends time with wife Sowmya & daughter Ann in ‘God's Own Country’, Kerala (www.en.wikipedia.org/wiki/Kerala). Binil does long distance running and is a national medalist in Power Lifting. You may contact Binil at biniljava@yahoo.co.in or binil_christudas@infosys.com.

Malhar Barai

Malhar Barai is a Sr. System Analyst with Satyam Computer Services Ltd, one of India's leading IT services organization. He has more than 7 years of experience in the industry working for leading organizations across India.

Malhar has interest in service oriented technologies and application integration tools while he has worked on the EAI toolset of webMethods and Cast Iron, Java technologies.

You can catch him on various forums that deal with SOA and some of the webMethods forums or you can read about him on his blog malharbarai.blogspot.

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