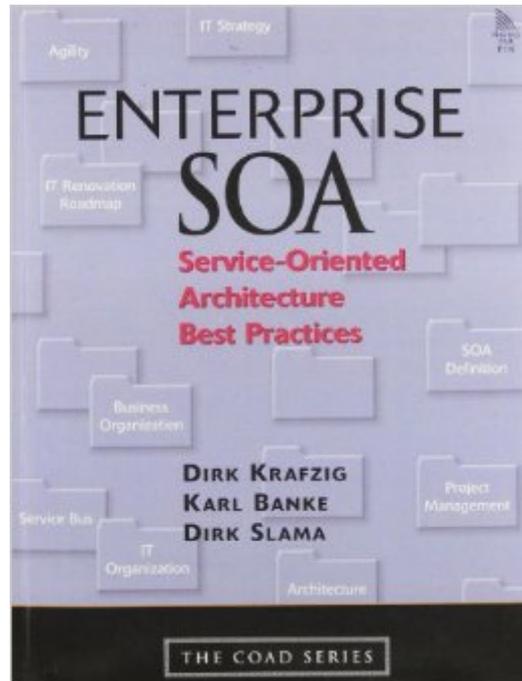


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# Enterprise SOA: Service-Oriented Architecture Best Practices



## Synopsis

Enterprise SOA By delivering SAP's next-generation applications based on a Services-Oriented Architecture, SAP is at the forefront of making Web services work for the enterprise. The Enterprise Services Architecture enables unprecedented flexibility in business process deployment, allowing companies to execute and innovate end-to-end processes across departments and companies, with minimum disruption to other systems and existing IT investments. This strategy comes to life with SAP NetWeaver, which is the technological foundation of the Enterprise Services Architecture. It provides easy integration of people, information, and systems in heterogeneous IT environments and provides a future proof application platform. Enterprise SOA provides readers with the architectural blueprints and SOA-driven project management strategies that are required to successfully adopt SOA on an enterprise level.--Dr. Peter Graf, SVP Product Marketing, SAP

The SOA principles outlined in this book enable enterprises to leverage robust and proven middleware platforms, including CORBA, to build flexible and business-oriented service architectures. Architecture (MDA) to manage SOA Service Repositories in a platform-independent way, enabling enterprises to better address the problem of heterogeneity at many levels. The Object Management Group was created just to address this central problem of integration in the face of constantly changing heterogeneity and platform churn, so I strongly recommend this book for the bookshelf of every enterprise architect and developer.--Richard Mark Soley, Ph.D. chairman and chief executive officer, Object Management Group, Inc.

Enterprise SOA provides strategies that help large enterprises to increase the agility of their IT systems--one of the most pressing issues of contemporary IT. Covering both a business and architectural view, these strategies aim to promote the implementation of an IT infrastructure that can serve as a base for the development of truly flexible business processes. This book covers its subject with great profoundness based on real world evidence. architecture--particularly for anybody who intends to establish a Service-Oriented Architecture--to read this book.--Dr. Helge Hes, director Business Process Management, IDS Scheer AG...

The SOA principles described in this book are the foundation on which enterprises can build an IT architecture that will satisfy today's most important IT requirements--agility and flexibility--at affordable costs...--Martin Frick, Head of IT, Winterthur Group

Providing the roadmap for delivering on the promise of Service-Oriented Architecture Enterprise SOA presents a complete roadmap for leveraging the principles of Service-Oriented Architectures to reduce cost and risk, improve efficiency and agility, and liberate your organization from the vagaries of changing technology. Credit Suisse, Halifax Bank of Scotland, and other world-class enterprises Make your business technology independent and manage infrastructure heterogeneity by focusing on

architecture, not specific implementation techniques Recognize the technical and nontechnical success factors for SOA in the enterprise Define and communicate the economic value proposition of an SOA Apply pragmatic design principles to solve the problems of data and process integrity in an SOA environment Whether you re a manager, architect, analyst, or developer, if you must drive greater value from IT services, Enterprise SOA will show you how--from start to finish. About the Authors DIRK KRAFZIG, KARL BANKE, and DIRK SLAMA have many years of experience in enterprise IT, including project management and distributed system design for large-scale projects. This book subsumes the knowledge of Service-Oriented Architectures that they have acquired since 1998, when they made their first steps toward this new architecture paradigm. About the Web Site Web site [www.enterprise-soa.com](http://www.enterprise-soa.com), provides a variety of supplemental material, including: articles, ex

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## Customer Reviews

Too many "SOA" books are either API documents or high-level hand waving. You can tell that this book is based on actual project experience. The authors manage to give actionable guidance and explain their reasoning well without diving into too many technology details. If you are interested in the "A" of "SOA", you will like this book.

One of the previous reviewers said " I could get everything I needed from a few beers with a few Technicians". As a consultant, he demonstrated his focus was strictly a technologist and not someone with any responsibility to develop a working plan, and explain it to the owners of the business. This book is invaluable to business architects, systems design architects, and others who have to discuss complex challenges and develop working business plans for technology without endangering their company by going down a Rat Hole of technology for technologists. For that alone, the book is worth 10 times its price. No, it is not a "Geek Book". It is a real world IT manager and IT architect book as a guideline. And the business planning and business culture changes that SOA affects are clearly outlined in this text in a way that even a novice can understand. And what is who will really find this book valuable. Not self styled experts on coding and Coding practices, but business and IT professionals who have to work in the large scale enterprises of today. Excellent bookJJM

There are a number of books on service oriented architecture. Most concentrate on the technical side of the equation. Talking about the standards, the APIs, the cross-platform issues and other low level issues. This book takes an architectural route by covering every aspect of the SOA space with well written exposition and extensive use of UML. One section, which I haven't seen in any other book on the topic, is on the managerial issues around SOA. How to tell SOA in the organization. How to build support the architecture. How to incent the engineers. These are important topics. And what's better is that the author illustrates the management level problems and their proposed solutions with real world cases studies. An excellent book on SOA for readers looking for an architectural overview.

Frankly, I thought SOA was just a bunch of marketing hype until I read this book. The authors begin by clearly explaining of the kinds of problems SOA is trying to solve, and how other architectures tried and failed (or partially succeeded) to solve these problems. In fact, you don't get a definition of SOA until chapter 4, which is a good thing. The advice and strategies are well-reasoned and practical. The organizational roadmap seems to be unique among SOA books, and is clearly derived from experience. The case studies highlight the kinds of tradeoffs each organization had to deal with, along with lessons learned. Finally, I found this book to be very readable and interesting.

This is a great introduction to SOA. The authors focus on the fundamentals of SOA, displaying both wisdom and honesty as they discuss the structure of an SOA, its essential and optional elements,

technical and organizational strategies for SOA introduction, SOA project management techniques and success as well as failure stories. The book is refreshing in the way that it avoids the vendor induced hysteria associated with new technologies and instead calmly and objectively discusses the fundamental forces driving SOA adoption: federation, heterogeneity, agility, reuse. Additionally, the authors display a healthy dose of independence as they discuss the merits and lack thereof of over-hyped technologies such as Enterprise Service Buses and BEPL systems. This is clearly a book written by people who have actually built SOAs, as opposed to sit on WS-\* committees or implement SOA related junkware.

A lot of books about IT concepts just touch on technology. This book goes at least one step further. It does not only explain, what a SOA is and how you should/could implement a SOA, it also gives real world advice how to introduce it to and deploy it in large enterprises. A step which is often neglected and underestimated. Good reading.

The authors have done an outstanding job providing useful coverage of SOA best practices. This book is written from the perspective of an architect or manager who wants to prevent unnecessary pain in the process of converting existing IT infrastructures to SOA. Converting to SOA, as the authors observe, is an evolutionary process that affects the whole enterprise. The authors provide timely, comprehensive and well-researched insight into the elements for success from the technical, process, management and political perspectives. The book provides useful coverage of specific technologies without becoming a document of source code listings. The book also provides four brief case studies of successful SOA, which is very helpful. The book is well written, with exceptional UML diagrams, typesetting and sidebars for clear communication. The best overall SOA book on the market at present.

This is the first book on SOA I came across that provides deep and very helpful insights in architectural, organizational and management aspects as well as concise hands-on guidelines to handle most common problems regarding a SOA implementation without digging deep into soon-to-be-outdated matters as current technology and programming language issues. It is a valuable source for everyone interested in SOA, from software developers looking for a starting point into this matter or looking for the big picture, to project managers in search for advice how to cope with challenges SOA puts on software development projects--- and it is based on the authors practical experience from many large scale projects, illustrating given guidelines with real world

case studies. Definitely worth reading.

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