

Service Oriented Architecture Soa For Dummies 2nd Edition

Embark on an Enchanting Journey with 'Service Oriented Architecture SOA For Dummies 2nd Edition'!

Prepare to be utterly captivated by a literary experience that transcends the ordinary! 'Service Oriented Architecture SOA For Dummies 2nd Edition' isn't just a book; it's a portal to a world so imaginatively crafted, so rich with emotional depth, and so universally appealing, it will weave its magic around readers of every age, from the greenest of novices to the most seasoned of adventurers.

Forget dusty textbooks and dry technical manuals! This remarkable tome plunges you headfirst into a vibrant landscape where concepts spring to life with an almost whimsical charm. The authors have managed to conjure a narrative so engaging, you'll find yourself eagerly turning pages, anticipating each delightful revelation. Imagine architecture not as cold bricks and mortar, but as a living, breathing ecosystem of interconnected services, each with its own personality and purpose. It's a concept that, in lesser hands, might feel daunting, but here, it's transformed into a thrilling exploration.

The true magic of this book lies in its surprising emotional resonance. You'll find yourself rooting for the success of these abstract concepts, experiencing moments of triumph and even a touch of suspense as you navigate the intricate dance of services. It's a testament to the authors' skill that they can imbue what could be a purely technical subject with such heart and soul. You might even shed a tear (of joy, of course!) as you witness the elegant solutions and harmonious integrations unfold before your very eyes.

And the humor! Oh, the delightful humor that peppers every chapter is like finding unexpected wildflowers on your path. The authors have a knack for making complex ideas not only understandable but genuinely amusing. You'll find yourself chuckling out loud, perhaps even nudging your companion and exclaiming, "Did you read that bit about the grumpy legacy system?" It's this lighthearted approach that makes learning feel less like a chore and more like a shared adventure.

Here are just a few reasons why this book is an absolute must-read:

A Whimsical World: Experience SOA as a vibrant, interconnected community rather than a dry technical framework.

Unexpected Emotional Depth: Discover the "heart" of service-oriented architecture and feel invested in its success.

Laugh-Out-Loud Humor: Learn complex concepts through witty anecdotes and clever observations.

Universal Charm: Whether you're a student, a professional, or simply a curious mind, this book speaks your language.

Clarity and Accessibility: Complex ideas are demystified with remarkable ease.

'Service Oriented Architecture SOA For Dummies 2nd Edition' is more than just an educational resource; it's a celebration of ingenious design and insightful communication. It's a book that empowers you, inspires you, and leaves you with a profound sense of accomplishment. It's the kind of book you'll want to share with everyone you know, a true beacon of clarity and joy in the often-intimidating world of technology.

We wholeheartedly recommend this book as a timeless classic that belongs on every bookshelf. It's a journey of discovery you won't soon forget.

This book has captured hearts worldwide for its ability to demystify a complex subject with such grace, humor, and genuine warmth. It's a testament to the power of clear explanation and imaginative storytelling. Dive in, and let this magical journey unfold!

Don't miss out on experiencing this literary gem. It's a strong recommendation for anyone seeking to understand SOA and find genuine delight in the process. Prepare to be enchanted!

Service Oriented Architecture (SOA) For Dummies Enterprise SOA Service-Oriented Architecture : Concepts, Technology, and Design Succeeding with SOA Service-Oriented Architecture Service Oriented Architecture For Dummies An Overview of Service-oriented Architecture (SOA). SOA Source Book Achieving Service-Oriented Architecture Applied SOA Service-Oriented Architecture Executing SOA Service Orientated Architecture Demystified Implementing SOA SOA Design Patterns Service Oriented Architecture - SOA - Handbook Sustainable IT Architecture Service Oriented Architecture Field Guide for Executives SOA Principles of Service Design (paperback) Service-oriented Architecture (SOA): High-impact Strategies - What You Need to Know Judith S. Hurwitz Dirk Krafzig Thomas Erl Paul C. Brown Eric A. Marks Hurwitz Nellapalli B. Venkatesh The Open Group Rick Sweeney Michael Rosen James P. Lawler Norbert Bieberstein Girish Juneja Paul C.

Brown Thomas Erl Anand Vemula Pierre Bonnet Kyle Gabhart Thomas Erl Kevin Roebuck
Service Oriented Architecture (SOA) For Dummies Enterprise SOA Service-Oriented
Architecture : Concepts, Technology, and Design Succeeding with SOA Service-Oriented
Architecture Service Oriented Architecture For Dummies An Overview of Service-oriented
Architecture (SOA). SOA Source Book Achieving Service-Oriented Architecture Applied
SOA Service-Oriented Architecture Executing SOA Service Orientated Architecture
Demystified Implementing SOA SOA Design Patterns Service Oriented Architecture -
SOA - Handbook Sustainable IT Architecture Service Oriented Architecture Field Guide
for Executives SOA Principles of Service Design (paperback) Service-oriented
Architecture (SOA): High-impact Strategies - What You Need to Know *Judith S. Hurwitz
Dirk Krafzig Thomas Erl Paul C. Brown Eric A. Marks Hurwitz Nellapalli B. Venkatesh The
Open Group Rick Sweeney Michael Rosen James P. Lawler Norbert Bieberstein Girish
Juneja Paul C. Brown Thomas Erl Anand Vemula Pierre Bonnet Kyle Gabhart Thomas Erl
Kevin Roebuck*

feeling overwhelmed by the buzz about soa service oriented architecture take heart
service oriented architecture for dummies 2nd edition makes it easy to understand plan
and implement the latest soa solutions for your business whether you re the it person
responsible for developing soa or the executive who s trying to get a handle on the
concept service oriented architecture for dummies 2nd edition will help you understand
what soa is why it s important and how you can make the most of it you ll find out about
the business and financial aspects of soa how to decide if you need it and what it can
mean to your bottom line discover how to identify the main components of soa and how
they work to create business processes create reusable flexible systems and avoid
common pitfalls deconstruct business processes and applications to identify their
components then put them together in new ways construct soa business applications for
maximum adaptability confirm quality in a situation that s difficult to test and assure the
quality and consistency of your data develop a governance strategy for soa based on
your company s philosophy and culture work with xml and understand how it s used in
soa maximize the benefits of unified communications understand software ecosystems
rich interfaces and the development lifecycle packed with real life case studies
illustrating how soa has been applied in a variety of industries service oriented
architecture for dummies 2nd edition demystifies one of today s hottest business tools

learn to apply the significant promise of soa to overcome the formidable challenges of
distributed enterprise development

getting a desired business return on your service oriented architecture soa investment
today business processes and information systems are so tightly intertwined that they
must be designed together as parts of a total architecture to realize enterprise goals in
succeeding with soa paul brown shows how service oriented architectures soas provide

the best structure for such integration clean well defined interfaces between collaborating entities but even soas need to be correctly understood and implemented to avoid common failures drawing on decades of experience dr brown explains what business managers and it architects absolutely need to know including critical success factors to undertake this essential work coverage includes setting clear and reasonable expectations for soa s benefits understanding why conventional project management techniques don t scale to today s enterprise wide projects defining a living roadmap for developing services based on business priorities establishing coherent leadership that brings together business executives it leaders and the soa architecture group using total architecture synthesis tas to rapidly develop business processes and information systems together understanding the central role of architecture and making sure the right architectural decisions get made whether you re a business or technical leader this book will help you plan organize and execute soa initiatives that meet or exceed their goals now and for years to come

praise for service oriented architecture this book provides a superb overview of the soa topic marks and bell provide practical guidance across the entire soa life cycle from business imperatives and motivations to the post deployment business and technical metrics to consider with this book marks and bell demonstrate a unique ability to take the complex dynamics of soa and through an eloquent set of metaphors models and principles provide an understandable and insightful how to manual for both technical and business executives this will become a required handbook for any organization implementing soa dan bertrand enterprise technology officer eds fellow eds corporation a fundamental breakthrough in the business and technology perspectives of soa this book belongs in every software developer architect and it executive library marks and bell demonstrate a creative and practical approach to building complex service oriented systems i especially liked the hands on perspective brought to multiple aspects of soa a must have guide in the technology turbulence of the future ariel aloni chief technology officer sungard data management solutions this outstanding text gets straight to the heart of the matter cutting through the hyperbole and discussing how to drive real business value through soa it will certainly impact my behavior our governance models and subsequently the successful business outcomes we derive as we continue to embrace soa a must read for battle scarred soa veterans and fledgling architects alike christopher crowhurst vice president and chief architect thomson learning too often soa has been perceived as all about the technology standards technology stacks operational monitoring and the like in this book marks and bell expand beyond the technology to provide a refreshing business driven perspective to soa connecting the dots between business requirements architecture and development and operations and overlaying these perspectives with tried and true governance techniques to keep soa initiatives on track a must read for those leading the charge to adopt soa within their enterprise brent

carlson chief technology officer logiclibrary and coauthor of san francisco design patterns blueprints for business software marks and bell have captured a wealth of practical experience and lessons learned in what has become the hottest topic in software development in this book they explain in detail what works and what does not from procedural issues to technical challenges this book is an invaluable reference for organizations seeking the benefits of soas dr jeffrey s poulin system architect lockheed martin and author of measuring software reuse principles practices and economic models one of the last things companies often consider when implementing a business solution such as soa is the impact on people marks and bell provide an in depth look at what has to change from a process standpoint to make any soa implementation a success a great read for those considering to embark on an enterprise soa and looking for the right mix of people process and products alan himler vice president of product management and marketing logiclibrary soa is a complex topic and a complex organizational goal service oriented architecture a planning and implementation guide for business and technology shows you how to plan implement and achieve soa value through its prescriptive approach joining the business and strategic perspective to the technical and architectural perspective applicable to all industries technology platforms and operating environments this innovative book provides you with the essential strategies to drive greater value from your soa and realize your business goals

soa is the most important initiative facing it today and is difficult to grasp this book demystifies the complex topic of soa and makes it accessible to all those people who hear the term but aren't really sure what it means this team of well respected authors explains that soa is a collection of applications that enables resources to be available to other participants in a network using any service based technology examines how soa enables faster and cheaper application development and how it offers reusable code that can be used across various applications covers what soa is why it matters how it can impact businesses and how to take steps to implement soa in a corporate environment

software services are established as a programming concept but their impact on the overall architecture of enterprise it and business operations is not well understood this has led to problems in deploying soa and some disillusionment the soa source book adds to this a collection of reference material for soa it is an invaluable resource for enterprise architects working with soa the soa source book will help enterprise architects to use soa effectively it explains what soa is how to evaluate soa features in business terms how to model soa how to use the open group architecture framework togaf for soa soa governance this book explains how togaf can help to make an enterprise architecture enterprise architecture is an approach that can help management to understand this growing complexity

a complete comprehensive methodology and framework for adopting and managing a

successful service oriented architecture environment achieving service oriented architecture helps to set up an soa architecture practice defining the policies procedures and standards that apply not just to it developers but to the entire corporation as it relates to business applications why a new architectural approach is necessary for your business to achieve all the value soa has to offer focuses on setting up an enterprise architecture practice for service oriented architecture discusses the implementation and governance processes for soa defines and describes an overall architectural framework for managing soa assets at an enterprise architecture level shows how to set up and run an soa enterprise architecture practice using the methodology and framework presented defining how an architecture practice can transform itself and your corporation to maximize the benefits of the soa approach achieving service oriented architecture provides a pragmatic enterprise architecture approach and framework for implementing and managing service oriented architecture from a business organization and business practices perspective note cd rom dvd and other supplementary materials are not included as part of ebook file

endorsed by all major vendors microsoft oracle ibm and sap soa has quickly become the industry standard for building next generation software this practical guide shows readers how to achieve the many benefits of soa begins with a look at the architectural principles needed to create successful applications and then goes on to examine the process for designing services and soa implementations each stage of the design process has an accompanying chapter that walks readers through the details and provides helpful tips techniques and examples the author team of soa practitioners also provides two unique comprehensive end to end case studies illustrating the architectural and design techniques presented in the book

aggressively being adopted by organizations in all markets service oriented architecture soa is a framework enabling business process improvement for gaining competitive advantage service oriented architecture soa strategy methodology and technology guides you through the challenges of deploying soa it demonstrates conclusively that strategy and methodology are the keys to implementing soa and provides the methodology needed for soa success the book examines the role of both non agile and agile project management techniques for deploying soa its methodology applies frameworks of governance communications product realization project management architecture data management service management human resource management and post implementation processes filled with case studies the book shows the methodology in action this reference benefits business managers business analysts and technology project managers who are serious about adopting soa as a long term strategy it is also benefits those new to business process management enterprise architecture and information systems and need to understand soa its business drivers and its

methodology

the expert practical guide to succeeding with soa in the enterprise in executing soa four experienced soa implementers share realistic proven from the trenches guidance for successfully delivering on even the largest and most complex soa initiative this book follows up where the authors best selling service oriented architecture compass left off showing how to overcome key obstacles to successful soa implementation and identifying best practices for all facets of execution technical organizational and human among the issues it addresses introducing a services discipline that supports collaboration and information process sharing integrating services with preexisting technology assets and strategies choosing the right roles for new tools shifting culture governance and architecture and bringing greater agility to the entire organizational lifecycle not just isolated projects executing soa is an indispensable resource for every enterprise architect technical manager and it leader tasked with driving value from soa in complex environments coverage includes implementing soa governance that reflects the organization s strategic and business focus running soa projects successfully practical guidelines and proven methodologies around service modeling and design leveraging reusable assets making the most of your soa repository enabling the architect to choose the correct tools and products containing the features required to execute on the soa method for service design and implementation defining information services to get the right information to the right people at the right time integrating soa with 2 0 and other innovative products and solutions providing highly usable human interfaces in soa environments

is your organization ready to adopt a service oriented approach to information technology have you ever wondered if service oriented architecture soa deployments in other organizations have been successful how did they approach the deployment the authors of this definitive book on soa debunk the myths and demonstrate through examples from different vertical industries how a crawl walk run approach to deployment of soa in an it environment can lead to a successful return on investment one popular argument states that soa is not a technology per se but that it stands alone and can be implemented using a wide range of technologies the authors believe that this definition while attractive and elegant doesn t necessarily pass pragmatic muster service oriented architecture demystified describes both the technical and organizational impacts of adopting soa and the pursuant challenges the authors demonstrate through real life deployments why and how different industry sectors are adopting soa the challenges they face the advantages they have realized and how they have or have not addressed the issues emerging from their adoption of soa this book strikes a careful balance between describing soa as an enabler of business processes and presenting soa as a blueprint for the design of software systems in general throughout the book the authors

attempt to cater to both technical and organizational viewpoints and show how both are very different in terms of why soa is useful the it software architect sees soa as a business process enabler and the cto sees soa as a technology trend with powerful paradigms for software development and software integration soa can be characterized in terms of different vertical markets for each such market achieving soa means something different and involves different transformational shifts the vertical markets covered include healthcare government manufacturing finance and telecommunications soa considerations are quite different across these vertical markets and in some cases the required organizational shifts and technology shifts are highly divergent and context dependent whether you are a cto cio it manager or it architect this book provides you with the means to analyze the readiness of your internal it organization and with technologies to adopt a service oriented approach to it

putting service oriented architecture soa into practice this book is a must have for enterprise architects implementing soa through practical examples it explains the relationship between business requirements business process design and service architecture by tying the soa implementation directly to business value it reveals the key to ongoing success and funding maja tibbling lead enterprise architect con way inc while there are other books on architecture and the implementation of esb soa and related technologies this new book uniquely captures the knowledge and experience of the real world it shows how you can transform requirements and vision into solid repeatable and value added architectures i heartily recommend it mark wencek svp consulting services alliances ultimo software solutions inc in his first book succeeding with soa paul brown explained that if enterprise goals are to be met business processes and information systems must be designed together as parts of a total architecture in this second book implementing soa he guides you through the entire process of designing and developing a successful total architecture at both project and enterprise levels drawing on his own extensive experience he provides best practices for creating services and leveraging them to create robust and flexible soa solutions coverage includes evolving the enterprise architecture towards an soa while continuing to deliver business value on a project by project basis understanding the fundamentals of soa and distributed systems the dominant architectural issues and the design patterns for addressing them understanding the distinct roles of project and enterprise architects and how they must collaborate to create an soa understanding the need for a comprehensive total architecture approach that encompasses business processes people systems data and infrastructure understanding the strategies and tradeoffs for implementing robust secure high performance and high availability solutions understanding how to incorporate business process management bpm and business process monitoring into the enterprise architecture whether you re defining an enterprise architecture or delivering individual soa projects this book will give you the practical advice you need to get the job done

in cooperation with experts and practitioners throughout the soa community best selling author thomas erl brings together the de facto catalog of design patterns for soa and service orientation more than three years in development and subjected to numerous industry reviews the 85 patterns in this full color book provide the most successful and proven design techniques to overcoming the most common and critical problems to achieving modern day soa through numerous examples individually documented pattern profiles and over 400 color illustrations this book provides in depth coverage of patterns for the design implementation and governance of service inventories collections of services representing individual service portfolios that can be independently modeled designed and evolved patterns specific to service level architecture which pertain to a wide range of design areas including contract design security legacy encapsulation reliability scalability and a variety of implementation and governance issues service composition patterns that address the many aspects associated with combining services into aggregate distributed solutions including topics such as runtime messaging and message design inter service security controls and transformation compound patterns such as enterprise service bus and orchestration and recommended pattern application sequences that establish foundational processes the book begins by establishing soa types that are referenced throughout the patterns and then form the basis of a final chapter that discusses the architectural impact of service oriented computing in general these chapters bookend the pattern catalog to provide a clear link between soa design patterns the strategic goals of service oriented computing different soa types and the service orientation design paradigm this book series is further supported by a series of resources sites including soabooks.com soaspecs.com soapatterns.org soamag.com and soaposters.com

soa handbook navigating enterprise connectivity serves as an indispensable guide for enterprises seeking to embrace service oriented architecture soa principles for enhanced connectivity and agility this comprehensive handbook distills complex concepts into accessible insights offering a roadmap for implementing and optimizing soa strategies the book begins by demystifying the fundamentals of soa providing readers with a clear understanding of its principles and benefits from there it delves into practical strategies for designing implementing and managing soa based systems through real world examples and case studies readers gain valuable insights into the successful application of soa across diverse industries and organizational contexts one of the key strengths of soa handbook lies in its emphasis on practical guidance it offers step by step instructions for designing service oriented architectures selecting appropriate technologies and orchestrating services for maximum efficiency moreover the handbook addresses common challenges and pitfalls encountered during soa implementation equipping readers with strategies for overcoming these obstacles in addition to its focus on implementation soa handbook underscores the importance of

governance and maintenance in sustaining a robust soa ecosystem it provides frameworks for establishing governance structures ensuring service interoperability and managing service lifecycles effectively by emphasizing the importance of continuous improvement and adaptation the handbook empowers enterprises to evolve their soa strategies in response to changing business requirements and technological advancements furthermore soa handbook explores emerging trends and future directions in the realm of soa offering insights into topics such as microservices architecture cloud integration and api management by staying abreast of these developments readers are better equipped to future proof their soa initiatives and capitalize on emerging opportunities in summary soa handbook navigating enterprise connectivity is an invaluable resource for enterprises embarking on their soa journey or seeking to optimize existing soa implementations with its practical guidance real world examples and forward looking perspective this handbook equips readers with the knowledge and tools needed to harness the full potential of soa for driving innovation and competitiveness in the digital age

sustainable it architecture the progressive way of overhauling information systems with soa this book focuses on service oriented architecture soa the basis of sustainable and more agile it systems that are able to adapt themselves to new trends and manage processes involving a third party the discussion is based on the public praxeme method and features a number of examples taken from large soa projects which were used to rewrite the information systems of an insurance company as such decision makers creators of it systems programmers and computer scientists as well as those who will use these new developments will find this a useful resource

service oriented architecture field guide for executives is a fundamental breakthrough in the business and technology perspectives of service oriented architecture soa a valuable resource to help you understand and realize the benefits of soa in today s companies this guide will show you how to plan implement and achieve soa value use a prescriptive approach to help you clearly understand soa and to determine its applications for your business applicable to all industries technology platforms and operating environments this innovative book will provide you with essential strategies

this book could be described as an encyclopedia of service design erl leaves nothing to chance indispensable steve birkel chief it technical architect intel corp an absolute pleasure to read the best soa book i ve read a book i would recommend to all of my colleagues it provides much insight to the topics often overlooked by most books in this genre the visuals were fantastic brandon bohling soa architecture and strategy intel corporation this book is a milestone in soa literature for the first time we are provided with a practical guide on defining service characteristics and service design principles for soa from a vendor agnostic viewpoint it s a great reference for soa discovery

adoptions and implementation projects canyang kevin liu principal enterprise architect sap americas inc i liked this book it contains extremely important material for those who need to design services farzin yashar ibm soa advanced technologies this book does a great job laying out benefits key ideas and design principles behind successfully adopting service oriented computing at the same time the book openly addresses challenges risks and trade offs that are in the way of adopting soa in the real world today it moves away from ivory tower views of service orientation but still lays out a strong vision for soa and outlines the changes necessary to realize the full potential christoph schittko senior architect microsoft i recommend this book to any soa practitioner who wishes to empower themselves in making service design real gives readers the 360 view into service design and gives soa practitioners the depth and understanding needed into the principles of soa to assist in the design of a mature and successful soa program stephen g bennett americas soa practice lead bea systems soa projects are most successful when they are based on a solid technical foundation well accepted and established design principles are part of this foundation this book takes a very structured approach at defining the core design principles for soa thus allowing the reader to immediately applying them to a project each principle is formally introduced and explained and examples are given for how to apply it to a real design problem a must read for any architect designer or developer of service oriented solutions andre tost senior technical staff member ibm software group there are few references for soa that give you the nuts and bolts and this one is at the top of the list well written and valuable as a reference book to any soa practitioner dr mohamad afshar director of product management oracle fusion middleware oracle corporation a thorough examination of the considerations of service design both seasoned soa practitioners and those endeavoring to realize services can benefit from reading this book bill draven enterprise architect intel corporation there are very few who understand soa like thomas erl does the principle centric description of service orientation from thomas canonizes the underpinnings of this important paradigm shift in creating agile and reusable software capabilities the principles so eloquently explained leave little room for any ambiguity attached to the greater purpose of soa most organizations today are creating services in a bottoms up approach realizing composition and reuse organically the time is ripe for a book like this that prepares architects for a principle centric approach to soa hanu kommalapati architect microsoft corporation outstanding soa literature uniquely focused on the fundamental services design with thorough and in depth study on all practical aspects from design principles to methodologies this book provides a systematic approach for soa adoption essential for both it management and professionals robin chen phd google inc thomas erl s books are always densely filled with information that s well structured this book is especially insightful for enterprise architects because it provide s great context and practical examples part 1 of the book alone is worth getting the book for markus zirn senior director product management oracle fusion middleware

oracle corporation a very clear discussion of the subject matter provides a good structure that facilitates understanding and readily highlights key points kareem yusuf director of soa strategy and planning ibm software group i am very impressed comprehensive educative this book helped me to step back and look at the soa principles from broader perspective i d say this is a must read book for soa stakeholders radovan janecek director r d soa center hewlett packard very valuable guidance for understanding and applying soa service design principles with concrete examples a must read for the practitioner of soa service design umit yalcinalp phd standards architect sap this book really does an excellent job of explaining the principles underpinning the value of soa erl goes to great length to explain and give examples of each of the 8 principles that will significantly increase the readers ability to drive an soa service design that benefits both business and it robert laird it architect ibm eai soa advanced technologies group this book strikes a healthy balance between theory and practice it is a perfect complement to the soa series by the author prakash narayan sun microsystems if you are going to be designing developing or implementing soa this is a must have book jason aj comfort sr booz allen hamilton an excellent book for anyone who wants to understand service orientation and the principles involved in designing services a clear concise and articulate exploration of the eight design principles involved in analyzing designing implementing and maintaining services anish karmarkar oracle corporation very well written succinct and easy to understand raj balasubramanian ibm software group acomprehensive exploration of the issues of service design which has the potential to become the definitive work in this area james pasley chief technology officer cape clear software an excellent addition to any soa library it covers a wide range of issues in enough detail to be a valuable asset to anyone considering designing or using soa based technologies mark little director of standards red hat this book communicates complex concepts in a clear and concise manner examples and illustrations are used very effectively darryl hogan senior architect microsoft a work of genius offers the most comprehensive and thorough explanation on the principles of service design and what it means to be service oriented erl s treatment of the complex world of service oriented architecture is pragmatic inclusive of real world situations and offers readers ways to communicate these ideas through illustrations and well formulated processes david michalowicz mitre corporation this is the book for the large organization trying to rationalize its it assets and establish an agile platform for the future by highlighting risk and rewards thomas erl brings clarity to how service orientation can be applied to ensure a responsive it organization this book finally brings software engineering principles to address the real world development challenges being faced to effectively serve the business let alone embrace soa everyone involved should be familiar with the concepts investigated here thomas erl thoroughly clarifies the nuances and defines the practice of service design we expect that this will become a classic text in software engineering corporate training and colleges cory isaacson president rogue wave software and ravi

palepu soa author and speaker thomas erl does a great job an easy read michael h sorbooz allen hamilton a must read for soa architects to develop a firm foundation and understanding of the principles and trade offs that make up a good soa service after reading this book it finally clicked as to why a properly designed soa system is different and better than a system based on previous enterprise architectures fred ingham platinum solutions inc lays a tremendous foundation for business and technical workers to come to common terms and expectations incredibly enlightening to see the details associated with achieving the soa vision wayne p ariola vice president of strategy parasoft erl does an excellent job of addressing the breadth of his audience to present to those new to soa and weaved in enough detail to assist those who are already actively involved in soa development r perry smith application program manager eds onstar it is easy to miss the big picture of what soa means for the design of larger scale systems amidst the details of ws technologies erl helps provide a broader perspective surveying the landscape from a design standpoint jim clune chief architect parasoft lays a firm foundation for the underlying principles of good service design cuts through the hype and provides a cogent resource for improving architectural judgment on soa projects jim murphy vice president of product management mindreef inc the first book to concisely gradually and comprehensively explain how to apply soa principles into enterprise level software design it is an excellent book robin g qiu ph d division of engineering and information science pennsylvania state university i really think that this is a very useful book that a lot of people really need out there in the industry dr arnaud simon principal software engineer red hat indispensable companion to designing and implementing a service oriented architecture it condenses all information necessary to design services and is the most relevant source i know if in the field this book is not only helpful but fundamental to successfully designing an soa phillipp offermann research analyst university of berlin service oriented architecture is an important topic in it today its vast scope could span an organization s enterprise designing it properly is a major undertaking this book provides timely expert and comprehensive discussions on the principles of service design thomas has a keen sense in identifying the subtle points of various subjects and explains them in an easy to understand way the book is a valuable resource for it professionals working in soa peter h chang phd associate professor of information systems lawrence technological university the definitive guide to service engineering the key to succeeding with service oriented architecture soa is in comprehending the meaning and significance of its most fundamental building block the service it is through an understanding of service design that truly service oriented solution logic can be created in support of achieving the strategic goals associated with soa and service oriented computing bestselling soa author thomas erl guides you through a comprehensive insightful and visually rich exploration of the service orientation design paradigm revealing exactly how services should and should not be designed for real world soa this book s in depth coverage includes over 240 full color

illustrations a concise introduction to soa and service oriented computing concepts and benefits a thorough exploration of the service orientation design paradigm as represented by eight specific design principles a comparison of service oriented and object oriented concepts and principles and a clear definition of what qualifies as service oriented logic detailed coverage of four different forms of service related design granularity an exhaustive examination of service contracts with an emphasis on standardization abstraction and the utilization of ws policy xml schema and wsdl definitions a comprehensive study of positive and negative service related coupling types with an emphasis on the requirements to attaining a suitable level of loose coupling an inside look into how commercial design approaches are incorporated to achieve truly agnostic and reusable service logic techniques for maximizing service reliability scalability and performance by instilling high levels of autonomy and emphasizing stateless design approaches for positioning services as highly discoverable and interpretable enterprise resources unprecedented coverage of how to design services for participation in complex compositions the definition of concrete links between each design principle and the strategic goals and benefits of soa and service oriented computing numerous cross references to key design patterns documented separately in soa design patterns prenhallprofessional.com soabooks.com soasystems.com preface xxv chapter 1 introduction 1 chapter 2 case study background 19 part i fundamentals chapter 3 service oriented computing and soa 25 chapter 4 service orientation 67 chapter 5 understanding design principles 103 part ii design principles chapter 6 service contracts standardization and design 125 chapter 7 service coupling intra service and consumer dependencies 163 chapter 8 service abstraction information hiding and meta abstraction types 211 chapter 9 service reusability commercial and agnostic design 253 chapter 10 service autonomy processing boundaries and control 293 chapter 11 service statelessness state management deferral and stateless design 325 chapter 12 service discoverability interpretability and communication 361 chapter 13 service composability composition member design and complex compositions 387 part iii supplemental chapter 14 service orientation and object orientation a comparison of principles and concepts 445 chapter 15 supporting practices 477 chapter 16 mapping service orientation principles to strategic goals 497 appendices appendix a case study conclusion 513 appendix b process descriptions 517 appendix c principles and patterns cross reference 529 additional resources 533 about the author 535 about the photos 537 index 539

service oriented architecture soa is a flexible set of design principles used during the phases of systems development and integration in computing a system based on a soa will package functionality as a suite of interoperable services that can be used within multiple separate systems from several business domains soa also generally provides a way for consumers of services such as web based applications to be aware of available

soa based services for example several disparate departments within a company may develop and deploy soa services in different implementation languages their respective clients will benefit from a well understood well defined interface to access them xml is commonly used for interfacing with soa services though this is not required this book is your ultimate resource for service oriented architecture soa here you will find the most up to date information analysis background and everything you need to know in easy to read chapters with extensive references and links to get you to know all there is to know about service oriented architecture soa right away covering service oriented architecture apache activemq apache camel apache qpid apache servicemix apache synapse apache tuscanypartar application response measurement boot image control comparison of business integration software canonical model communications enabled application corticon data element datanucleus e biz integrator enterprise application integration enterprise content management enterprise integration patterns enterprise messaging system enterprise service bus entirex event driven architecture event driven soa fusesource corp fuse esb fuse message broker gnu enterprise governance interoperability framework guarana dsl hoox ignitexml igrafx information silo integrated software integration objects isis papyrus jboss enterprise soa platform jitterbit integration server loose coupling message oriented middleware metaserver microsoft enterprise library openadaptor openbrr opengate oracle enterprise service bus oracle soa suite orchestration computing pervasive business intelligence petals esb sarvega search based application seeburger semantic service oriented architecture semantic translation semci service component architecture service oriented architecture fundamentals service oriented architecture implementation framework soalib talend thoughtworks total cost of ownership tryton universal integration platform verastream host integrator virtuoso universal server oriented architecture weborb integration server while you were out cloud application ws caf adaptive services grid application fabrication b2b gateway barracuda networks boomerang software framework business process network canonical protocol pattern canonical schema pattern composite application denodo differentiated service digital nervous system domain inventory pattern enterprise inventory enterprise service layer entity abstraction pattern event driven messaging experticity freightgate intel soa products division jackbe logic centralization pattern machine to machine midas kapiti multitenancy mushroom networks mvaas net centric enterprise services network centric service oriented enterprise ncsoe oasis soa reference model open knowledge initiative open mashup alliance open service interface definitions opti time company oslo microsoft postini reliable messaging s ramp sap enterprise architecture framework service systems architecture service abstraction service autonomy principle and much more this book explains in depth the real drivers and workings of service oriented architecture soa it reduces the risk of your technology time and resources investment decisions by enabling you to compare your understanding of service oriented architecture soa with the objectivity of experienced professionals

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