

Next Generation Soa

This book constitutes the refereed proceedings of the 9th Asia-Pacific Network Operations and Management Symposium, APNOMS 2006. The book presents 50 revised full papers and 25 revised short papers, organized in topical sections on management of ad hoc and sensor networks, network measurements and monitoring, mobility management, QoS management, management architectures and models, security management, E2E QoS and application management, management experience, NGN management, and IP-based network management.

Examines the new implementations, evolution, and service-delivery strategies, along with success stories of IMS—an open, standardized, operator-friendly, next-generation multimedia architecture for mobile and fixed IP services. IMS holds great promise for the industry, especially as it merges with the internet and the cellular world—through fixed-line services and cellular technologies—to provide ubiquitous access, internet technologies, and appealing new services. The aim of IMS is not only to provide new services, but also to provide all current and future services that the internet provides.

United States Department of Defense (DoD) Services and Agencies are building and deploying Next Generation Command & Control (NGC2) systems that are based on highly distributed Service Oriented Architecture (SOA) applications. These new systems do not have end-to-end monitoring and reporting capabilities to establish realistic Service Level Objectives (SLO) and Agreements (SLA) that are needed to support this concept. As SOA and Web technologies proliferate, a service is required that collects and correlates business logic, platform, and network component metrics for problem analysis, resolution, and SLA establishment. Traditionally Combatant Commands have relied on disparate software, system, and network engineers to pinpoint and resolve operational problems in fielded Command & Control (C2) systems. As these traditional client/server systems are upgraded to SOA-based applications, the highly distributed nature of this new Net-Centric Warfare (NCW) capability will require the three functions to merge into one. A Perpetual Enterprise Management Service (PEMS) is needed that enables the new function to effectively manage the emerging complexity that SOA-based C2 software will bring under new programs including Joint Command and Control (JC2) and Net-Centric Enterprise Services (NCES).

Intelligent environments represent an emerging topic in research. Next Generation Intelligent Environments: Ambient Adaptive Systems will cover all key topics in the field of intelligent ambient adaptive systems. It focuses on the results worked out within the framework of the ATRACO (Adaptive and TRusted Ambient eCOlogies) project. The theoretical background, the developed prototypes, and the evaluated results form a fertile ground useful for the broad intelligent environments scientific community as well as for industrial interest groups. Features of the book include: A unique and original collection of chapters on intelligent ambient adaptive systems Broad coverage of the field of intelligent environments research and evaluation, as well as topics such as adaptation within activity spheres Developed prototypes as examples for readers Computer scientists, engineers and others who work in the area of ambient environments will find the edition interesting and useful to their own work. In addition, graduate students and Ph.D. students specializing in the area of intelligent environments may also use this book to get a concrete idea of the major issues to consider when developing intelligent environments in practice.

Learn to apply the significant promise of SOA to overcome the formidable challenges of distributed enterprise development.

Next Generation of Optical Access Network Based on Reflective-SOA.

Future Internet and Internet of Things set out a new vision for connectivity, real-time applications, and services. Data procured from the use of a large number of heterogeneous physical and virtual devices must be real-time processed and analyzed for the goal of effective resource management and control while maintaining the required performance and quality of service. In addition, the development of the communication networks toward heterogeneous and new generation broadband connectivity brings up new requirements toward the way of managing and controlling the available resources. Thus, effective resource management in future internet novel approaches must be proposed and developed. It could be seen that, recently, a considerable amount of effort has been devoted on behalf of industry and academia toward the research and design of methods for effective management of resources in internet and multimedia communications. Resource Management in Future Internet reviews some specific topics in the field of future internet and internet technologies that are closely related to the issue of finding effective solutions for the management of resources and performance. Technical topics discussed in the book include: * Future Internet Technologies * Internet of things * Multimedia Networks * Wireless Access Networks * Software Communications * Positioning and Localization in Communications * Resource Management. Resource Management in Future Internet is recommended for specialists working in the field of information and communication industries as well as academic staff and researchers working in the field of multimedia communications and telecommunication networks.

Welcome to the 6th Atlantic Web Intelligence Conference (AWIC 2009), to be held during September 9-11, 2009 in Prague, Czech Republic. The conference will be held at the Faculty of Mathematics and Physics of the Charles University, Prague. This building has a convenient location in the historical city center, in the area called Lesser Town close to local attractions like Charles Bridge and Prague Castle. The Atlantic Web Intelligence Conferences bring together scientists, engineers, computer users, and students to exchange and share their experiences, new ideas, and research results about all aspects (theory, applications and tools) of intelligent methods applied to Web based systems, and to discuss the practical challenges encountered and the solutions adopted. Previous AWIC events were held in Spain - 2003, Mexico - 2004, Poland - 2005, Israel - 2006 and France - 2007.

This book covers key topics in the field of intelligent ambient adaptive systems. It focuses on the results worked out within the framework of the ATRACO (Adaptive and TRusted Ambient eCOlogies) project. The theoretical background, the developed prototypes, and the evaluated results form a fertile ground useful for the broad intelligent environments scientific community as well as for industrial interest groups. The new edition provides: Chapter authors comment on their work on ATRACO with final remarks as viewed in retrospective Each chapter has been updated with follow-up work emerging from ATRACO An extensive introduction to state-of-the-art statistical dialog management for intelligent environments Approaches are introduced on how Trust is reflected during the dialog with the system

800x600 The Concise Introduction to Modern SOA: High-Value Approaches, Innovative Technologies, Proven Use Cases After a decade of innovation in technology and practice, SOA is now a mainstream computing discipline, capable of transforming IT enterprises and optimizing business automation. In Next Generation SOA, top-selling SOA author Thomas Erl and a team of experts present a plain-English tour of SOA, service-orientation, and the key service

technologies being used to build sophisticated contemporary service-oriented solutions. The starting point for today's IT professionals, this concise guide distills the increasingly growing and diverse field of service-oriented architecture and the real-world practice of building powerful service-driven systems. Accessible and jargon-free, this book intentionally avoids technical details to provide easy-to-understand, introductory coverage of the following topics: Services, service-orientation, and service-oriented computing: what they are and how they have evolved How SOA and service-orientation change businesses and transform IT culture, priorities, and technology decisions How services are defined and composed to solve a wide spectrum of business problems Deep implications of the service-orientation paradigm--illuminated through an annotation of the classic SOA Manifesto Traditional and contemporary service technologies and architectures How clouds and virtualization support the scalability and reliability of services-based solutions SOA-based industry models, from enterprise service to global trader A detailed case study: how real enterprises bring together contemporary SOA practices, models, and technologies Next Generation SOA will be indispensable to wide audiences of business decision makers and technologists--including architects, developers, managers, executives, strategists, consultants, and researchers. Normal 0 false false false EN-US X-NONE X-NONE MicrosoftInternetExplorer4

••Defines Web services and integration and the relationship between EAI and Web services•Outlines the types of Web services integration from standards, implementation to enabling technologies•Features Web services integration scenarios and case studies

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

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

This book constitutes the refereed proceedings of the 11th Asia-Pacific Network Operations and Management Symposium, APNOMS 2008, held in Beijing, China, in October 2008. The 43 revised full papers and 34 revised short papers presented were carefully reviewed and selected from 195 submissions. The papers are organized in topical sections on routing and topology management; fault management; community and virtual group management; autonomous and distributed control; sensor network management; traffic identification; QoS management; policy and service management; wireless and mobile network management; security management; short papers.

"This book provide relevant theoretical frameworks covering the latest empirical research findings in the area of grid computing, with a critical perspective bridging the gap between academia and the latest achievements of the computer industry"--Provided by publisher.

The Top-Selling, De Facto Guide to SOA--Now Updated with New Content and Coverage of Microservices! For more than a decade, Thomas Erl's best-selling Service-Oriented Architecture: Concepts, Technology, and Design has been the definitive end-to-end tutorial on SOA, service-orientation, and service technologies. Now, Erl has thoroughly updated the industry's de facto guide to SOA to reflect new practices, technologies, and strategies that have emerged through hard-won experience and creative innovation. This Second Edition officially introduces microservices and micro task abstraction as part of service-oriented architecture and its associated service layers. Updated case study examples and illustrations further explain and position the microservice model alongside and in relation to more traditional types of services. Coverage includes: • Easy-to-understand, plain English explanations of SOA and service-orientation fundamentals (as compiled from series titles) • Microservices, micro task abstraction, and containerization • Service delivery lifecycle and associated phases • Analysis and conceptualization of services and microservices • Service API design with REST services, web services, and microservices • Modern service API and contract versioning techniques for web services and REST services • Up-to-date appendices with service-orientation principles, REST constraints, and SOA patterns (including three new patterns) Service-Oriented Architecture: Analysis and Design for Services and Microservices, Second Edition, will be indispensable to application architects, enterprise architects, software developers, and any IT professionals interested in learning about or responsible for designing or implementing modern-day, service-oriented solutions. Chapter 1: Introduction Chapter 2: Case Study Backgrounds Part I: Fundamentals Chapter 3: Understanding Service-Orientation Chapter 4: Understanding SOA Chapter 5: Understanding Layers with Services and Microservices Part II: Service-Oriented Analysis and Design Chapter 6: Analysis and Modeling with Web Services and Microservices Chapter 7: Analysis and Modeling with REST Services and Microservices Chapter 8: Service API and Contract Design with Web Services Chapter 9: Service API and Contract Design with REST Services and Microservices Chapter 10: Service API and Contract Versioning with Web Services and REST Services Part III: Appendices Appendix A: Service-Orientation Principles Reference Appendix B: REST Constraints Reference Appendix C: SOA Design Patterns Reference Appendix D: The Annotated SOA Manifesto

"This book illuminates the connection of the two domains--SOA and REST--in a manner that is concrete and practical, providing concise application to everyday architectural challenges. Fantastic!" --Ryan Frazier, Technology Strategist, Microsoft "...a tour de force that elegantly applies REST principles to the industry-standard SOA framework described in prior titles in this series.... This book is a must-read for anyone developing REST services." --Dave Slotnick, Enterprise Architect, Rackspace Hosting "This book

undoubtedly will help SOA to reap the benefits from the main value propositions of Web architecture...." --Dr. Erik Wilde, Architect, EMC Corporation "REST is so much more than just another type of interface implementation--SOA with REST shows how the ecosystem of service compositions changes as new opportunities arise for service composition architecture designs. A comprehensive guide and a must-read for any serious IT architect considering REST-style services for application architectures." --Roger Stoffers, Solution Architect, Hewlett Packard "Service-orientation and REST both are architectural styles that are cornerstones of modern applications and cloud computing. Both aim to deliver scalable, interoperable solutions, but their different roots don't always make them a natural fit. SOA with REST explains how the two styles can work together in enterprise environments. It discusses a design process for a services portfolio that meets the goals of SOA and at the same time designs services that comply with the established REST constraints. It also shows pragmatic approaches to meet enterprise-grade requirements with the REST programming style but relaxes constraints where necessary." --Christoph Schittko, Director of Cloud Strategy, Microsoft "An excellent repertoire of service-oriented patterns that will prove handy when solving problems in the real world. The REST perspectives and principles will provide complete coverage of modern-day Web 2.0 style approaches. Highly recommended." --Sid Sanyal, IT Architect, Zurich Financial Services "An inspirational book that provides deep insight into the design and development of next-generation service-oriented systems based on the use of REST. This book clarifies the convergence of SOA and REST with no-nonsense content that addresses common questions and issues head-on. An essential "instrument of modern service implementation" and a powerful body of knowledge for software designers, architects, and consultants." --Pethuru Raj, Ph.D., Enterprise Architecture (EA) Consultant, Wipro Consulting Services "REST and SOA are two of the most misunderstood terms in the software industry over the past decade. Yet the REST architectural style coupled with modern RESTful framework implementations provides a scalable and reliable approach to SOA. This book covers all you need to know about how to take the principles of REST and apply them in small and large SOA developments. If you are familiar with REST and thinking about SOA, then you need this book. If you have not considered REST in your SOA work, then this book is for you, too. Covering concepts of both REST and SOA, as well as design patterns and when to use them, the book is a wonderful companion and a good tool for architects and engineers." --Dr. Mark Little, CTO JBoss, Red Hat "Unlike many other texts on the subject, SOA with REST is a well-rounded, easy-to-read narrative, including real-world case studies that appeal to both developers and analysts. This makes it an indispensable source for any SOA practitioner or any professional who is planning to initiate an SOA project." --Theodore T. Morrison, Certified SOA Analyst, CSM, Geocent, LLC "SOA and REST are two very important architectural styles for distributed computing. SOA is successfully adopted by most enterprises, and the REST style is getting more attention from both researcher and industry users. The book SOA with REST introduces a new architectural style that is ingeniously combining both SOA and REST styles and clearly reveals how SOA and REST can work together to generate successful enterprise SOA strategies with REST, along with guidance for making architecture design decisions. This book is a bible of best practices for designing and implementing SOA architecture with REST. It is a must-have reference book for both IT practitioners and researchers." --Longji Tang, FedEx IT Senior Technical Advisor, Ph.D. in CSSE

The Definitive Guide to Building Web-Centric SOA with REST The World Wide Web is based on the most successful technology architecture in history. It has changed how we view, access, and exchange information and, with the advent of REST, it has also provided us with compelling ways to build and improve automation solutions. REST provides a great deal of guidance to ensure that an architecture and its automation logic are technically sound, though it is still your responsibility to build services that actually add value to your business. SOA with REST is the first comprehensive tutorial and reference for designing and building RESTful services as part of service-oriented solutions and in conjunction with service-oriented architecture (SOA). This book demonstrates that REST is not only a suitable medium for building truly service-oriented solutions, but also that the service-oriented architectural model is a necessary foundation for REST technology architectures to realize their full business potential. The authors provide thorough mapping of REST constraints and architectural goals with service-orientation principles and SOA characteristics. Using real-world examples, they show how to leverage REST's simplicity, flexibility, and low overhead without compromising the power or manageability of service-oriented solutions and architectures. This book will be valuable to IT architects, developers, and any practitioner seeking to use SOA and REST together.

Topic Areas Distributed solution design with HTTP and REST REST-based service composition architectures REST service modeling and a service-oriented analysis process for REST service candidates Technical service contract notation for REST services based on a uniform contract Designing REST service contracts with service-orientation Understanding REST constraints in relation to service-orientation principles Using hypermedia and dynamic binding within SOA and service compositions Creating complex HTTP-based methods for enterprise solutions Advanced design techniques, including composition deepening, runtime logic deferral, and dynamic binding with common properties Cross-service transactions and event-driven messaging with REST Addressing enterprise solution concerns in relation to REST-based state management Applying SOA design patterns to REST-based solutions Distinguishing REST and SOA service concepts and terminology Designing REST architectures with SOA Versioning REST services and uniform contracts Fundamental REST, SOA, and service-orientation concepts and terminology REST constraints, REST architectural goals, and properties Seven new REST-inspired design patterns Defining common goals of REST and SOA

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.

"This book presents state-of-the-art research, developments, and integration activities in combined platforms of heterogeneous

wireless networks"--Provided by publisher.

This comprehensive text/reference examines the various challenges to secure, efficient and cost-effective next-generation wireless networking. Topics and features: presents the latest advances, standards and technical challenges in a broad range of emerging wireless technologies; discusses cooperative and mesh networks, delay tolerant networks, and other next-generation networks such as LTE; examines real-world applications of vehicular communications, broadband wireless technologies, RFID technology, and energy-efficient wireless communications; introduces developments towards the 'Internet of Things' from both a communications and a service perspective; discusses the machine-to-machine communication model, important applications of wireless technologies in healthcare, and security issues in state-of-the-art networks.

With accelerating adoption amongst organizations of all types and sizes, SOA is increasingly becoming the mainstream paradigm for enterprise IT architecture and software development. SOA offers immense potential to increase ROI, enhance organizational agility, and reduce IT burdens, but many organizations have not yet achieved the benefits it promises. Fortunately, with SOA's growth, best practices and use cases for successful implementation are now emerging. This book captures the most valuable of these - and presents them simply, accessibly, and in a form that IT professionals can use. Drawing on their unsurpassed field experience, renowned SOA expert Thomas Erl and his team of expert contributors bring together practical solutions to the most common problems faced by those attempting to drive value from SOA. They offer trustworthy, proven advice for SOA projects of all sizes, including enterprise challenges such as integration, security, and governance. Along the way, they demystify confusing concepts such as Enterprise Service Bus (ESB) and loose coupling, introduce specific patterns for success, and show how to avoid the catastrophic design errors that have compromised many SOA initiatives. The accessible, jargon-free SOA introduction for today's IT pro Answers the questions today's IT pros ask most often - about topics ranging from Enterprise Service Bus to loose coupling Presents patterns associated with SOA success - and shows how to avoid the worst SOA design errors The newest book in the best-selling Thomas Erl Service-Oriented Computing Series

This book will provide answers to the most common questions that face enterprise leaders concerning service oriented architecture development lifecycle initiatives. It is a guide for service-oriented projects. The tentative chapters are: (1) Introduction to Service Modeling; (2) Service Polymorphism; (3) Service Typing and Service Structure Model; (4) Service Development Lifecycle Model; (5) Service Conceptualization; (6) Service Discovery and Analysis; (7) Business Service Architecture; (8) Service Design and Realization; (9) Service Architecture Conceptualization; (10) Service Architecture Modeling.

CIO magazine, launched in 1987, provides business technology leaders with award-winning analysis and insight on information technology trends and a keen understanding of IT's role in achieving business goals.

Business intelligence (BI) software is the code and tools that allow you to view different components of a business using a single visual platform, making comprehending mountains of data easier. Applications that include reports, analytics, statistics, and historical and predictive modeling are all examples of BI applications. Currently, we are in the second generation of BI software, called BI 2.0. This generation is focused on writing BI software that is predictive, adaptive, simple, and interactive. As computers and software have evolved, more data can be presented to end users with increasingly visually rich techniques. Rich Internet application (RIA) technologies such as Microsoft Silverlight can be used to transform traditional user interfaces filled with boring data into fully interactive analytical applications to deliver insight from large data sets quickly. Furthermore, RIAs include 3D spatial design capabilities that allow for interesting layouts of aggregated data beyond a simple list or grid. BI 2.0 implemented via RIA technology can truly bring out the power of BI and deliver it to an average user via the Web. Next-Generation Business Intelligence Software with Rich Internet Applications provides developers, designers, and architects a solid foundation of BI design and architecture concepts with Microsoft Silverlight. This book covers key BI design concepts and how they can be applied without requiring an existing BI infrastructure. The author, Bart Czernicki, will show you how to build small BI applications by example that are interactive, highly visual, statistical, predictive, and most importantly, intuitive to the user. BI isn't just for the executive branch of a Fortune 500 company; it is for the masses. Let Next-Generation Business Intelligence Software with Rich Internet Applications show you how to unlock the rich intelligence you already have.

Massive, disruptive change is coming to IT as software as a service (SaaS), SOA, mashups, Web 2.0, and cloud computing truly come of age. Now, one of the world's leading IT innovators explains what it all means—coherently, thoroughly, and authoritatively. Writing for IT executives, architects, and developers alike, world-renowned expert David S. Linthicum explains why the days of managing IT organizations as private fortresses will rapidly disappear as IT inevitably becomes a global community. He demonstrates how to run IT when critical elements of customer, product, and business data and processes extend far beyond the firewall—and how to use all that information to deliver real-time answers about everything from an individual customer's credit to the location of a specific cargo container. Cloud Computing and SOA Convergence in Your Enterprise offers a clear-eyed assessment of the challenges associated with this new world—and offers a step-by-step program for getting there with maximum return on investment and minimum risk. Using multiple examples, Linthicum Reviews the powerful cost, value, and risk-related drivers behind the move to cloud computing—and explains why the shift will accelerate Explains the technical underpinnings, supporting technologies, and best-practice methods you'll need to make the transition Helps you objectively assess the promise of cloud computing and SOA for your organization, quantify value, and make the business case Walks you through evaluating your existing IT infrastructure and finding your most cost-effective, safest path to the "cloud" Shows how to choose the right candidate data, services, and processes for your cloud computing initiatives Guides you through building disruptive infrastructure and next-generation process platforms Helps you bring effective, high-value governance to the clouds If you're ready to begin driving real competitive advantage from cloud computing, this book is the start-to-finish roadmap you need to make it happen.

Cloud Enterprise Architecture examines enterprise architecture (EA) in the context of the surging popularity of Cloud computing. It explains the different kinds of desired transformations the architectural blocks of EA undergo in light of this strategically significant convergence. Chapters cover each of the contributing architectures of EA—business, information, application, integration, security, and technology—illustrating the current and impending implications of the Cloud on each. Discussing the implications of the Cloud paradigm on EA, the book details the perceptible and positive changes that will

affect EA design, governance, strategy, management, and sustenance. The author ties these topics together with chapters on Cloud integration and composition architecture. He also examines the Enterprise Cloud, Federated Clouds, and the vision to establish the InterCloud. Laying out a comprehensive strategy for planning and executing Cloud-inspired transformations, the book: Explains how the Cloud changes and affects enterprise architecture design, governance, strategy, management, and sustenance Presents helpful information on next-generation Cloud computing Describes additional architectural types such as enterprise-scale integration, security, management, and governance architectures This book is an ideal resource for enterprise architects, Cloud evangelists and enthusiasts, and Cloud application and service architects. Cloud center administrators, Cloud business executives, managers, and analysts will also find the book helpful and inspirational while formulating appropriate mechanisms and schemes for sound modernization and migration of traditional applications to Cloud infrastructures and platforms.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Take Part in the Future of Wireless/Wireline Convergence The IP multimedia subsystem (IMS), established as the foundation for future wireless and wireline convergence, is the bedrock that will facilitate easy deployment on new, rich, personalized multimedia communication services that mix telecom and data services. Designers, planners, and researchers of communication systems will need to make full use of the technology occurring with this convergence if they want to be the ones providing end users with new and efficient services that are as cost-effective as they are innovative. To provide researchers and technicians with the tools they need to optimize their role in this communication revolution, the IP Multimedia Subsystem (IMS) Handbook presents all the technical aspects of the IMS needed to support the growth of digital traffic and the implementation of underlying networks. This guide covers everything from basic concepts to research-grade material, including the future direction of the architecture. Organized in three sections, the book brings together the technical savvy of 50 pioneering experts from around the world, providing complete coverage of relevant concepts, technologies, and services. Learn How IMS Will Speed Innovation Filling the gap between existing traditional telecommunications and Internet technologies, IMS has led to an environment in which new services and concepts are introduced more quickly than ever before, such as reusable service components and real-time integration. The technology promises to be a cost-effective evolutionary path to future wireless and wireline convergences that will meet next-generation service requirements.

This volume presents work from the IFIP TC 8 WG 8.9 International Conference on the Research and Practical Issues of Enterprise Information Systems (CONFENIS 2007). Enterprise information systems (EIS) have become increasingly popular. EIS integrate and support business processes across functional boundaries in a supply chain environment. In recent years, more and more enterprises world-wide have adopted EIS such as Enterprise Resource Planning (ERP) for running their businesses.

This book is based on a selection of thoroughly revised and extended best papers from the 8th Workshop on E-Business (WEB 2009) held in Phoenix, AZ, USA, on December 15th, 2009. The 29 papers, which were selected from 70 presentations at the workshop, highlight the enormous developments and potential of e-business at a time when new technologies like cloud computing, collective intelligence, and multi-sided platforms are burgeoning. Among the topics covered are Web-based information systems, RFID and supply chain management, process modeling and standardization, security and privacy issues, social networking and mobility, e-services and market mechanisms, IT portfolio management, and other special topics in e-business such as electronic invoicing.

The Definitive Guide to Building Web-Centric SOA with REST The World Wide Web is based on the most successful technology architecture in history. It has changed how we view, access, and exchange information and, with the advent of REST, it has also provided us with compelling ways to build and improve automation solutions. REST provides a great deal of guidance to ensure that an architecture and its automation logic are technically sound, though it is still your responsibility to build services that actually add value to your business. SOA with REST is the first comprehensive tutorial and reference for designing and building RESTful services as part of service-oriented solutions and in conjunction with service-oriented architecture (SOA). This book demonstrates that REST is not only a suitable medium for building truly service-oriented solutions, but also that the service-oriented architectural model is a necessary foundation for REST technology architectures to realize their full business potential. The authors provide thorough mapping of REST constraints and architectural goals with service-orientation principles and SOA characteristics. Using real-world examples, they show how to leverage REST's simplicity, flexibility, and low overhead without compromising the power or manageability of service-oriented solutions and architectures. This ebook will be valuable to IT architects, developers, and any practitioner seeking to use SOA and REST together.

Go from Business Process Modeling to Orchestration and Service Oriented Architecture with this book and eBook.

Next Generation SOAA Concise Introduction to Service Technology & Service-orientation Pearson Education

Taking a coherent and logical approach, this book describes the potential use of co-ordinated multipoint systems supported by radio over fiber. It covers an impressive breadth of topics, ranging from components, subsystem and system architecture, to network management and business perspectives. The authors show the importance of radio over fiber in eliminating or mitigating against the current, perceived barriers to the use of co-ordinated multipoint, and the drivers for standardisation activities in future mobile/wireless systems over the next few years. The book brings together the system concept for centralized processing, including what is required for co-existence with legacy wireless systems, the algorithms that can be used for improving wireless bandwidth utilization at physical and MAC layers and the radio over fiber network and link design necessary to support the wireless system. Other important research is also covered as the authors look at compensating for radio over fiber impairments and providing simple network management functions. A

study of service provision and the business case for such a future wireless system is also fully considered. This book comes at an important time for future wireless systems with standardization of fourth generation wireless systems still ongoing. The content enables readers to make key decisions about future standardisation and their own research work. The business analysis also makes the book useful to those involved in deciding the future directions of telecoms organisations. This information will be core to their decision-making as it provides technical knowledge of the state-of-the-art but also system level assessments of what is possible in a business environment.

Continuously changing customer and market requirements as well as new developments in information technology have become a dominating factor in today's business environment. To be successful enterprises have to adapt quickly to new opportunities and threats. They have to take smart decisions and execute fast. Innovation and agility become important success factors. The Management of Process Excellence (MPE) is the main enabler. It helps achieving immediate benefits while building lasting process management capabilities. MPE links strategy with people and technology based execution. Service Oriented Architectures (SOA), Web 2.0 or "cloud computing" support this approach. The right process governance, including centers of excellence, and knowledge assets in form of reference models increase the delivered value again. The resulting next generation enterprise is ready for long term success. The book discusses how business process management delivers real value in private and public sector organizations around the world. It addresses executives and managers as well as educators and students.

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.

Explores cloud computing, breaking down the concepts, models, mechanisms, and architectures of this technology while allowing for the financial assessment of resources and how they compare to traditional storage systems.

[Copyright: a979973d2bc144176d87abeba770f7ed](http://www.pdfdrive.com/next-generation-soa.html)