Soap Web Services Springer

European Conference, ECOWS 2004, Erfurt, Germany, September 27-30, 2004, Proceedings
Semantic Technology
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Software System Reliability and Security
Perspectives on Web Services
Web Services
RESTful Web Services
Requirements, Models and Methods
Encyclopedia of Information Science and Technology, Fifth Edition
Geospatial Web Services: Advances in Information Interoperability
IFIP International Conference, INTELLCOMM 2004, Bangkok, Thailand, November 23-26, 2004, Proceedings
Managing It All
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Guide to Web Application and Platform Architectures

REGINA EVA

European Conference, ECOWS 2004, Erfurt, Germany, September 27-30, 2004, Proceedings
Springer Science & Business Media
As Web service technologies have matured in recent years, an increasing number of geospatial Web services designed to deal with spatial information over the network have emerged. Geospatial Web Services: Advances in Information Interoperabilit y provides relevant theoretical frameworks and the latest empirical research findings and applications in the area. This book highlights the strategic role of geospatial Web services in a distributed heterogeneou s environment and the life cycle of geospatial Web services for building interoperable geospatial applications.
Semantic Technology
IGI Global
Web services technologies are advancing fast and being extensively deployed in many di?erent application environments. Web services based on the eXt- sible Markup Language (XML), the Simple Object Access Protocol (SOAP), andrelatedsta ndards,andde ployedinServic e-OrientedArchit ectures(SOAs) are the key to Web-based

interoperability for applications within and across organizations. Furthermore, they are making it possible to deploy appli- tions that can be directly used by people, and thus making the Web a rich and powerful social interaction medium. The term Web 2.0 has been coined to embrace all those new collaborative applications and to indicate a new, “social” approach to generating and distributing Web content, characterized by open communicatio n, decentralizatio n of authority, and freedom to share and reuse. For Web services technologies to hold their promise, it is crucial that - curity of services and their interactions with users be assured. Con?dentiality , integrity,avail ability,anddigi talidentityman agementareall required.Peopl e need to be assured that their interactions with services over the Web are kept con?dential and the privacy of their personal information is preserved. People need to be sure that information they use for looking up and selecting s- vicesiscorrect anditsintegrity isassured.Peo plewantservic estobeavailabl e when needed. They also require interactions to be convenient and person- ized, in addition to being private.

Addressing these requirements, especially when dealing with open distributed applications, is a formidable challenge. International Conference ICWS-Europe 2003, Erfurt, Germany, September 23-24, 2003, Proceedings Springer "Every developer working with the Web needs to read this book." -- David Heinemeier Hansson, creator of the Rails framework "RESTful Web Services finally provides a practical roadmap for constructing services that embrace the Web, instead of trying to route around it." -- Adam Trachtenberg, PHP author and EBay Web Services Evangelist You've built web sites that can be used by humans. But can you also build web sites that are usable by machines? That's where the future lies, and that's what RESTful Web Services shows you how to do. The World Wide Web is the most popular distributed application in history, and Web services and mashups have turned it into a powerful distributed computing platform. But today's web service technologies have lost sight of the simplicity that made the Web successful. They don't work like the Web, and they're missing out on its advantages. This book puts

the "Web" back into web services. It shows how you can connect to the programmable web with the technologies you already use every day. The key is REST, the architectural style that drives the Web. This book: Emphasizes the power of basic Web technologies -- the HTTP application protocol, the URI naming standard, and the XML markup language Introduces the Resource-Oriented Architecture (ROA), a common-sense set of rules for designing RESTful web services Shows how a RESTful design is simpler, more versatile, and more scalable than a design based on Remote Procedure Calls (RPC) Includes real-world examples of RESTful web services, like Amazon's Simple Storage Service and the Atom Publishing Protocol Discusses web service clients for popular programming languages Shows how to implement RESTful services in three popular frameworks -- Ruby on Rails, Restlet (for Java), and Django (for Python) Focuses on practical issues: how to design and implement RESTful web services and clients This is the first book that applies the REST design philosophy to real web services. It sets down the

best practices you need to make your design a success, and the techniques you need to turn your design into working code. You can harness the power of the Web for programmable applications: you just have to work with the Web instead of against it. This book shows you how.
Software System Reliability and Security IOS Press
This book contains papers from the 2007 European Conference on Web Services and the Workshop on Emerging Web Services Technology. Coverage includes grid-based computing, mobility issues for web services, dynamic web services, and model driven engineering.
Perspectives on Web Services Springer Science & Business Media
Over the past 20 years, software architectures have significantly contributed to the development of complex and distributed systems. Nowadays, it is recognized that one of the critical problems in the design and development of any complex software system is its architecture, i.e. the organization of its architectural elements. Software Architecture presents the software architecture paradigms

based on objects, components, services and models, as well as the various architectural techniques and methods, the analysis of architectural qualities, models of representation of architectural templates and styles, their formalization, validation and testing and finally the engineering approach in which these consistent and autonomous elements can be tackled. *Web Services* Springer Science & Business Media Covers a comprehensive range of P2P and Grid technologies. Provides a broad overview of the P2P field and how it relates to other technologies, such as Grid Computing, jini, Agent based computing, and web services. RESTful Web Services Springer Science & Business Media "This book's main objective is to present some of the key approaches, research lines, and challenges that exist in the field of security in SOA systems"--Provided by publisher. Requirements, Models and Methods Springer Science & Business Media Search computing, which has evolved from service computing, focuses on building the answers to complex search queries by interacting with a

constellation of cooperating search services, using ranking and joining of results as the dominant factors for service composition. The field is multi-disciplinary in nature, and takes advantage of contributions from other research areas such as knowledge representation , human-computer interfaces, psychology, sociology, economics and legal sciences. The book is divided into three parts. The first part includes some visionary contributions on the latest trends in search, which is becoming increasingly task-oriented and is starting to use ontological knowledge in order to manage complex queries. The second part explores background and related technologies, which can be considered as parallel fields of research, useful both for setting the theoretical premises for search computing and for providing a technological framework for building search computing systems and applications. The third part delves into the conceptual and technological problems and issues arising when dealing with search computing as a new search paradigm. It provides a unified view of the results of the Search Computing project as achieved

exactly one year after its starting date. Encyclopedia of Information Science and Technology, Fifth Edition Springer Science & Business Media Success of an organization is increasingly dependent on its capability to create an environment in order to improve productivity of knowledge work. This book focuses on the concepts, models and technologies that are used to design and implement such an environment. It develops the vision of a modular, yet highly integrated enterprise knowledge infrastructure and presents an idealized architecture replete with current technologies and systems. The most important streams of technological development that are covered in the book are communicatio n, collaboration, document and content management, e-learning, enterprise portals, business process management, information life cycle management, information retrieval and visualization, knowledge management, mobile computing, application and network infrastructure, Semantic Web and social software. It includes learning goals, exercises and case examples that help the reader to easily understand and practice the concepts.

Geospatial Web Services: Advances in Information Interoperability IGI Global
This three-volume collection, titled Enterprise Information Systems: Concepts, Methodologies, Tools and Applications, provides a complete assessment of the latest developments in enterprise information systems research, including development, design, and emerging methodologies. Experts in the field cover all aspects of enterprise resource planning (ERP), e-commerce, and organizational, social and technological implications of enterprise information systems.
IFIP International Conference, INTELLCOMM 2004, Bangkok, Thailand, November 23-26, 2004, Proceedings Springer Science & Business Media
In modern computing a program is usually distributed among several processes. The fundamental challenge when developing reliable distributed programs is to support the cooperation of processes required to execute a common task, even when some of these processes fail. Guerraoui and Rodrigues present an introductory description of fundamental reliable distributed programming abstractions as well as

algorithms to implement these abstractions. The authors follow an incremental approach by first introducing basic abstractions in simple distributed environments, before moving to more sophisticated abstractions and more challenging environments. Each core chapter is devoted to one specific class of abstractions, covering reliable delivery, shared memory, consensus and various forms of agreement. This textbook comes with a companion set of running examples implemented in Java. These can be used by students to get a better understanding of how reliable distributed programming abstractions can be implemented and used in practice. Combined, the chapters deliver a full course on reliable distributed programming. The book can also be used as a complete reference on the basic elements required to build reliable distributed applications. *Managing It All* Springer This book constitutes the thoroughly refereed papers presented at five international workshops held in conjunction with the 6th International Conference on Service-Oriented Computing, ICSOC 2008, in Sydney, Australia, in December 2008. The

volume contains 41 reviewed and improved papers presented at the 4th International Workshop on Engineering Service-Oriented Applications (WESOA 2008), the Second International Workshop on Web APIs and Services Mashups (Mashups 2008), the First International Workshop on Quality-of-Service Concerns in Service Oriented Architectures (QoSCSOA 2008), the First Workshop on Enabling Service Business Ecosystems (ESBE 2008), and the Third International Workshop on Trends in Enterprise Architecture Research (TEAR 2008). The papers offer a wide range of hot topics in service-oriented computing: management and analysis of SOA processes; development of mashups; QoS and trust models in service-oriented multi-agent systems; service ecosystems, service standardizatio n, and evolutionary changes of Web services; governance aspects of SOA, enterprise models and architectures.

Perspectives on Web Services

Springer ADVANCED COMPUTING APPLICATIONS , DATABASES AND NETWORKS focuses on new developments and advances

in three major areas of Computer Science. The first part presents some significant contributions and surveys major research areas of Advanced Computing Applications viz. Natural Language Processing, Medical Imaging, Soft Computing Methodologies and a wide variety of its application domains. The second part explains different approaches towards development of Unified Theoretical Model for Database Mining, Dimension Reduction of higher dimensional data and the applicability of Soft Computing Methodologies in Data Mining and Clustering. The third part provides the approaches taken to address the challenging problems in the areas of Wired and Wireless Networks. The chapters in this volume are representative of recent research efforts and advances in the area of Advanced Computing Applications, Databases and Networks, covering both theoretical and application issues.

Web Services Security and E-Business

"O'Reilly Media, Inc." The volume includes a set of selected papers extended and revised from the I2009 Pacific-Asia Conference on Knowledge Engineering and Software

Engineering (KESE 2009) was held on December 19~ 20, 2009, Shenzhen, China. Volume 1 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of Computer and Software Engineering to disseminate their latest research results and exchange views on the future research directions of these fields. 140 high-quality papers are included in the volume. Each paper has been peer-reviewed by at least 2 program committee members and selected by the volume editor Prof. Yanwen Wu. On behalf of this volume, we would like to express our sincere appreciation to all of authors and referees for their efforts reviewing the papers. Hoping you can find lots of profound research ideas and results on the related fields of Computer and Software Engineering.

Concepts, Methodologies, Tools and Applications

Web Service Implementation and Composition Techniques "Information security covers the protection of information against unauthorized disclosure, transfer, modification, and destruction, whether accidentally or intentionally. Quality of life in general and of individual citizens, and the

effectiveness of the economy critically depends on our ability to build software in a transparent and efficient way. Furthermore, we must be able to enhance the software development process systematically in order to ensure software's safety and security. This, in turn, requires very high software reliability, i.e., an extremely high confidence in the ability of the software to perform flawlessly. Foundations of software technology provide models that enable us to capture application domains and their requirements, but also to understand the structure and working of software systems and software architectures. Based on these foundations tools allow to prove and ensure the correctness of software's functioning. New developments must pay due diligence to the importance of security-related aspects, and align current methods and techniques to information security, integrity, and system reliability. The articles in this book describe the state-of-the-art ideas on how to meet these challenges in software engineering." Springer Science & Business Media In this book, Dieter Fensel and his

qualified team lay the foundation for understanding the Semantic Web Services infrastructure, aimed at eliminating human intervention and thus allowing for seamless integration of information systems. They focus on the currently most advanced SWS infrastructure, namely SESA and related work such as the Web Services Execution Environment (WSMX) activities and the Semantic Execution Environment (OASIS SEE TC) standardizatio n effort.

Enterprise Information Systems: Concepts, Methodologi es, Tools and Applications

Springer Science & Business Media

This book constitutes the refereed proceedings of the International Conference on Web Services, ICWS-Europe 2003, held in Erfurt, Germany, in September 2003. The 16 revised full papers included in the book were carefully reviewed and selected for presentation. The papers are organized in topical sections on constructing and running service-oriented architectures, Web service security, configuration and communicatio n, confluence with agent technology and semantic Web enabled Web services, and current and future issues.

Security for Web

Services and Service-Oriented Architectures ALPHA SCIENCE INTERNATIONAL LIMITED Web Service Implementation and Composition TechniquesSpringer *Software Architecture 1* John Wiley & Sons Research into the next generation of service architecture techniques has enabled the design, development, and implementation of dynamic, adaptive, and autonomic services to enable enterprises to efficiently align information technology with their agile business requirements and foster smart services and seamless enterprise integration. Handbook of Research on Architectural Trends in Service-Driven Computing explores, delineates, and discusses recent advances in architectural methodologies and development techniques in service-driven computing. This comprehensive publication is an inclusive reference source for organizations, researchers, students, enterprise and integration architects, practitioners, software developers, and software engineering professionals engaged in the research, development, and integration of the next generation of computing. Evolving Distributed Communities IGI Global Welcome to

1M 2003, the eighth in a series of the premier international technical conference in this field. As IT management has become mission critical to the economies of the developed world, our technical program has grown in relevance, strength and quality. Over the next few years, leading IT organizations will gradually move from identifying infrastructure problems to providing business services via automated, intelligent management systems. To be successful, these future management systems must provide global scalability, for instance, to support Grid computing and large numbers of pervasive devices. In Grid environments, organizations can pool desktops and servers, dynamically creating a virtual environment with huge processing power, and new management challenges. As the number, type, and criticality of devices connected to the Internet grows, new innovative solutions are required to address this unprecedented scale and management complexity. The growing penetration of technologies, such as WLANs, introduces new management challenges, particularly for performance and security. Management systems must also support

the management of business processes and their supporting technology infrastructure as integrated entities. They will need to significantly reduce the amount of adventitious, bootless data thrown at consoles, delivering instead a cogent view of the system state, while leaving the handling of lower level events to self-managed, multifarious systems and devices. There is a new emphasis on "autonomic" computing, building systems that can perform routine tasks without administrator intervention and take prescient actions to rapidly recover from potential software or hardware failures.

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