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Perspectives on Web Services Perspectives on Web Services Applied SOAP Perspectives on Web Services Real World XML Web Services Developing XML Web Services and Server Components with Visual C# .NET and the .NET Framework Advanced Jax-WS Web Services J2EE Web Services Perspectives on Web Services Application of Web Service Technologies on a B2B Communication Platform by Means of a Pattern and UML Based Software Development Process Applied Technologies Mobile Services Industries, Technologies, and Applications in the Global Economy Web Services Research and Practices Expert Service-Oriented Architecture in C# 2005 Developing Java Web Services Truck Service Manual Building Web Applications with ADO.NET and XML Web Services Semantic Web Services, Processes and Applications From Government to E-Governance: Public Administration in the Digital Age Computer Networks J2EE Security for Servlets, EJBs and Web Services The Semantic Web - ASWC 2006 Web Information Systems -- WISE 2004 Building Web Services with Java Business Information Systems Software Engineering for Agile Application Development Building Distributed Applications with Visual Basic .NET Encyclopedia of Information Science and Technology, Fifth Edition Developing .Net Web Services With XML An Algorithmic

**Approach to Service and Content Deployment Decision Making
Making Java Web Services: Up and Running The CHORCH
Approach Programming Web Services with SOAP
Programming Web Services with Perl Electronic Services:
Concepts, Methodologies, Tools and Applications Global
Virtual Enterprises in Cloud Computing Environments Grid
and Cloud Computing: Concepts, Methodologies, Tools
and Applications Applied Cryptography for Cyber Security
and Defense: Information Encryption and Cyphering
Expert Service-Oriented Architecture In C# Pro Apache
XML**

One of the first books to cover Sun Microsystem's new Java Web Services Developer Pack Written by top Sun consultants with hands-on experience in creating Web services, with a foreword from Simon Phipps, Chief Evangelist at Sun Case studies demonstrate how to create Web services with the tools most used by Java developers, including BEA WebLogic, Apache Axis, Systinet WASP, and Verisign The rise of intelligence and computation within technology has created an eruption of potential applications in numerous professional industries. Techniques such as data analysis, cloud computing, machine learning, and others have altered the traditional processes of various disciplines including healthcare, economics, transportation, and politics. Information technology in today's world is beginning to uncover opportunities for experts in these fields that they are not yet aware of. The exposure of specific instances in which these devices are being implemented will assist other specialists in how to successfully utilize these transformative tools with the appropriate amount

of discretion, safety, and awareness. Considering the level of diverse uses and practices throughout the globe, the fifth edition of the Encyclopedia of Information Science and Technology series continues the enduring legacy set forth by its predecessors as a premier reference that contributes the most cutting-edge concepts and methodologies to the research community. The Encyclopedia of Information Science and Technology, Fifth Edition is a three-volume set that includes 136 original and previously unpublished research chapters that present multidisciplinary research and expert insights into new methods and processes for understanding modern technological tools and their applications as well as emerging theories and ethical controversies surrounding the field of information science. Highlighting a wide range of topics such as natural language processing, decision support systems, and electronic government, this book offers strategies for implementing smart devices and analytics into various professional disciplines. The techniques discussed in this publication are ideal for IT professionals, developers, computer scientists, practitioners, managers, policymakers, engineers, data analysts, and programmers seeking to understand the latest developments within this field and who are looking to apply new tools and policies in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to software engineering, cybersecurity, information technology, media and communications, urban planning, computer science, healthcare, economics, environmental science, data management, and political science will benefit from the extensive

knowledge compiled within this publication. The web services architecture provides a new way to think about and implement application-to-application integration and interoperability that makes the development platform irrelevant. Two applications, regardless of operating system, programming language, or any other technical implementation detail, communicate using XML messages over open Internet protocols such as HTTP or SMTP. The Simple Open Access Protocol (SOAP) is a specification that details how to encode that information and has become the messaging protocol of choice for Web services. Programming Web Services with SOAP is a detailed guide to using SOAP and other leading web services standards--WSDL (Web Service Description Language), and UDDI (Universal Description, Discovery, and Integration protocol). You'll learn the concepts of the web services architecture and get practical advice on building and deploying web services in the enterprise. This authoritative book decodes the standards, explaining the concepts and implementation in a clear, concise style. You'll also learn about the major toolkits for building and deploying web services. Examples in Java, Perl, C#, and Visual Basic illustrate the principles. Significant applications developed using Java and Perl on the Apache Tomcat web platform address real issues such as security, debugging, and interoperability. Covered topic areas include: The Web Services Architecture SOAP envelopes, headers, and encodings WSDL and UDDI Writing web services with Apache SOAP and Java Writing web services with Perl's SOAP::Lite Peer-to-peer (P2P) web services Enterprise issues such as authentication, security, and identity Up-

and-coming standards projects for web services

Programming Web Services with SOAP provides you with all the information on the standards, protocols, and toolkits you'll need to integrate information services with SOAP. You'll find a solid core of information that will help you develop individual Web services or discover new ways to integrate core business processes across an enterprise. This book contains the refereed proceedings of the 17th International Conference on Business Information Systems, BIS 2014, held in Larnaca, Cyprus, in May 2014. The BIS conference series follows trends in academic and business research; thus, the theme of the BIS 2014 conference was "Big Data: Problems Solved and Remaining Challenges." Currently, big data is one of the most prominent trends in areas such as recommendation engines, fraud detection, risk modeling, marketing campaign and social network analysis. The 22 revised full papers were carefully reviewed and selected from 58 submissions. They are grouped into sections on big data, business process management, ontologies and conceptual modeling, collaboration, service science and interoperability and specific BIS applications.

Applied Cryptography for Cyber Security and Defense: Information Encryption and Cyphering applies the principles of cryptographic systems to real-world scenarios, explaining how cryptography can protect businesses' information and ensure privacy for their networks and databases. It delves into the specific security requirements within various emerging application areas and discusses procedures for engineering cryptography into system design and implementation. Offers thorough introductions to several

of the Apache Foundation's hottest projects, including Xerces, Axis, and Xindice. Shows you how to build XML-driven websites using the popular Cocoon project. Demonstrates how to transform XML-based documents into a variety of formats, including PDF, SVG, and PS, using the Formatting Objects Processor (FOP) project. Includes a concise introduction to XML and Web Services. "This reference presents a vital compendium of research detailing the latest case studies, architectures, frameworks, methodologies, and research on Grid and Cloud Computing"-- Written by the team that helped create XML and Web services standards, updated For The next generation of tools and standards. Building Distributed Applications with Visual Basic.NET provides corporate developers with the .NET Framework techniques necessary to build distributed and reusable business systems in VB.NET. This book takes the reader from the architecture of .NET to real-world techniques they can use in their own Internet applications. The reader is introduced to .NET and Web Services and explores (in detail) issues surrounding the fielding of successful Web Services. Practical guidelines as well as solutions are provided that the rader may use in their own projects. Some of the issues involve lack of specific guidance in the SOAP specification, while others transcend SOAP and involve issues Internet developers have grappled with since the inception of the World Wide Web. At this time, this book has no competition. In this book you'll learn the concepts of SOAP based Web Services architecture and get practical advice on building and deploying Web Services in the enterprise. Starting from the basics and the best practices for setting up a

development environment, this book enters into the inner details of the JAX-WS in a clear and concise way. You will also learn about the major toolkits available for creating, compiling and testing SOAP Web Services and how to address common issues such as debugging data and securing its content. What you will learn: Move your first steps with SOAP Web Services. Developing Web Services using top-down and bottom-up approach. Using Maven archetypes to speed up Web Services creation. Getting into the details of JAX-WS types: Java to XML mapping and XML to Java Developing SOAP Web Services on WildFly 8 and Tomcat. Running native Apache CXF on WildFly Securing Web Services. Applying authentication policies to your services. Encrypting the communication. From Government to E-Governance: Public Administration in the Digital Age will aim to provide relevant theoretical frameworks, past experiences, and the latest empirical research findings in the area of public administration systems that existed in earlier civilizations, as well as e-governance-introduced modern times. The target audience of this book will be composed of academics, students, civil servants, researchers, and policy advisors teaching and studying public administration and public policy, thinking to bring administrative reforms and working in government. This book will draw you into the service-oriented architecture (SOA) mindset and immerse you in updated code and reference material specifically architected for Visual Studio 2005 and Web Services Enhancements (WSE) 3.0. The book provides a head start on building SOA applications using the author's clear conceptual discussions, practical examples, and accurate treatment of difficult material that doesn't simply "gloss

over" the hard stuff. This book will show you how to shift your development paradigm to create Web services that process sophisticated XML messages within a secure, service-oriented, loosely-coupled architecture. As the software industry continues to evolve, professionals are continually searching for practices that can assist with the various problems and challenges in information technology (IT). Agile development has become a popular method of research in recent years due to its focus on adapting to change. There are many factors that play into this process, so success is no guarantee. However, combining agile development with other software engineering practices could lead to a high rate of success in problems that arise during the maintenance and development of computing technologies. Software Engineering for Agile Application Development is a collection of innovative research on the methods and implementation of adaptation practices in software development that improve the quality and performance of IT products. The presented materials combine theories from current empirical research results as well as practical experiences from real projects that provide insights into incorporating agile qualities into the architecture of the software so that the product adapts to changes and is easy to maintain. While highlighting topics including continuous integration, configuration management, and business modeling, this book is ideally designed for software engineers, software developers, engineers, project managers, IT specialists, data scientists, computer science professionals, researchers, students, and academics. As business paradigms shift from desktop-centric environments to data-centric mobile

environments, mobile services create numerous new business opportunities. At the same time, these advances may also challenge many of the basic premises of existing business models. Mobile Services Industries, Technologies, and Applications in the Global Economy fosters a scientific understanding of mobile services, provides a timely publication of current research efforts, and forecasts future trends in the mobile services industry and its important role in the world economy. Written for academics, researchers, government policymakers, and corporate managers, this comprehensive volume will outline the great potential for new business models and applications in mobile commerce. "Practical solutions for rapid Web services development"--Cover. Semantics, Web services, and Web processes promise better re-use, universal interoperability and integration. Semantics has been recognized as the primary tool to address the challenges of a broad spectrum of heterogeneity and for improving automation through machine understandable descriptions. Semantic Web Services, Processes and Applications brings contributions from researchers who study, explore and understand the semantic enabling of all phases of semantic Web processes. This encompasses design, annotation, discovery, choreography and composition. Also this book presents fundamental capabilities and techniques associated with ontological modeling or services, annotation, matching and mapping, and reasoning. This is complemented by discussion of applications in e-Government and bioinformatics. Special bulk rates are available for course adoption through Publishing Editor. Computer Networks, Fourth Edition,

continues to provide an enduring, practical understanding of networks and their building blocks through rich, example-based instruction. This expanded and completely updated edition covers the why of network design, focusing not just the specifications comprising today's systems but how key technologies and protocols actually work in the real world to solve specific problems. It is the only introductory computer networking book written by authors who have had first-hand experience with many of the protocols discussed in the text, who have actually designed some of them as well, and who are still actively designing the computer networks today. The book makes less use of computer code to explain protocols than earlier editions. Moreover, this new edition shifts the focus somewhat higher in the protocol stack where there is generally more innovative and exciting work going on at the application and session layers than at the link and physical layers. Other new features are: increased accessibility by clearly separating the advanced material from more fundamental via special headings and boxed features; the material is structured in such a way as to make it easier to teach top-down. Furthermore, the book outstrips the competitors in offering a more robust ancillary package for student and instructor support. The text is complemented with figures as well as links to networking resources on the Web and links to author-created materials on author-maintained Web site. Computer Networks, Fourth Edition, will be an invaluable resource for networking professionals and upper level undergraduate and graduate students in CS, EE, and CSE programs. Completely updated with new sidebar discussions that cover the deployment status of

protocols described in the book. Addition of sizeable number of new exercises and solutions. With a Foreword by Grady Booch Web services is rapidly becoming one of the most valued aspects of information technology services, as Web-based technological advancements continue to grow at an exponential rate. Web Services Research and Practices provides researchers, scholars, and practitioners in a variety of settings essential up-to-date research in this demanding field, addressing issues such as communication applications using Web services; Semantic services computing; discovery, modeling, performance, and enhancements of Web services; and Web services architecture, frameworks, and security.

Inhaltsangabe:Abstract: There are about 230.000 establishments in the Spanish hotel, restaurant and catering industry accounting for a turnover of about 15.6 thousand million euros. All of them sell food to private consumers. On the other hand suppliers and traders supply the catering trade with food and beverage products. Usually the different players in this food distribution network trade products by means of orders which are placed manually. This is a process which can be enhanced through the application of computer and Internet technology. A project lately also supported by the Spanish government is supposed to fill this gap. This project is called Catanet and has been established three years ago. Actually the Catanet platform is used by more than 100 customers, amongst them very important industry players like Lauren Films, Pepsi, Unilever and Nestle. Some of them will carry out a significant part of their overall food orders by the Catanet platform, which corresponds to a turnover volume of many million euros.

In the former version of the Catanet platform clients had to apply a web page based interface in order to use the Catanet services. As this approach prohibited the full exploitation of the benefits the use of computer assistance provides (e.g. human participation still constitutes an inevitable and crucial part of the transaction, the interaction is completely asynchronous) an additional level is being added to the Catanet platform eliminating these shortcomings. During the time of this work the number of Catanet customers has grown explosively increasing also the diversity of the customer s computer systems. Additionally new subprojects could be launched due to the acquisition of a government grant. These encompassed among others new value added services demanded by the customers like an instant messaging module and a module for the automatic update of the local product catalogue. The characteristics of the IT infrastructure of the new customers which will carry out transactions with a serious turnover via the Catanet platform and the necessity to integrate the new subprojects required an adaptation of the design of the platform prototype which had been developed by this time and which is described in this work. Within this context the decision has been done to use .NET Framework based programs on the customer side instead of Java which had been used so far. The reasons for this were besides the easier integration with the IT [...] With the increasing reliance on digital means to transact goods that are retail and communication based, e-services continue to develop as key applications for business, finance, industry and innovation. Electronic Services: Concepts, Methodologies, Tools and

Applications is an all-inclusive research collection covering the latest studies on the consumption, delivery and availability of e-services. This multi-volume book contains over 100 articles, making it an essential reference for the evolving e-services discipline. Contains everything that a project team needs to know about the development and deployment of Web services with the IBM WebSphere product family. Includes examples for all development artifacts in a format that can be reused in the reader's project. The text combines the authors' own practical experiences with consolidated information on the latest product capabilities in a unique approach that allows the book to be easily accessible to a broad spectrum of readers. Finding a balance between a euphoric/optimistic and down-to earth/realistic view on the subject, this book should sit on every Web service developer's bookshelf. CD-ROM contains: Code samples used in text. This book will draw you into the service-oriented architecture (SOA) mindset and immerse you in updated code and reference material specifically architected for Visual Studio 2005 and Web Services Enhancements (WSE) 3.0. The book provides a head start on building SOA applications using the author's clear conceptual discussions, practical examples, and accurate treatment of difficult material that doesn't simply "gloss over" the hard stuff. This book will show you how to shift your development paradigm to create Web services that process sophisticated XML messages within a secure, service-oriented, loosely-coupled architecture. This first volume of the three-volume set (CCIS 1193, CCIS 1194, and CCIS 1195) constitutes the refereed proceedings of the First International Conference on Applied

Technologies, ICAT 2019, held in Quito, Ecuador, in December 2019. The 124 full papers were carefully reviewed and selected from 328 submissions. The papers are organized according to the following topics: technology trends; computing; intelligent systems; machine vision; security; communication; electronics; e-learning; e-government; e-participation. The Smartest Way to Get Certified(TM)!- Published under the direction of Series Editor Ed Tittel, the leading authority on certification and the founder of The Exam Cram Method(TM) series - Nearly 1 million copies sold!- CD-ROM features PrepLogic(TM) Practice Tests.- Exam Cram 2 is Cramsession(TM) Approved Study Material.

Annotation & bull; & bull;Covers J2EE, XML, XSD and JAXP (the Java XML API) Web Services, SOAP, UDDI, WSDL, Web Services Security and Interoperability & bull;Brings Java developers up to speed on developing Web Services applications using J2EE technologies and APIs & bull;Written by Richard Monson-Heafel & ndash; author with loyal following! & bull;This is the first book in a series of a books by Richard Monson-Heafel. - Explains security concepts in simple terms and relates these to standards, Java APIs, software products and day-to-day job activities of programmers. - Written by a practitioner who participated in the development of a J2EE App Server and Web Services Platform at HP. - Applied security measures demonstrated on Java APIs - a unique feature of the book. Learn how to build a data-intensive Web application with XML Web services and ADO.NET! Richard Hundhausen, Steven Borg, Cole Francis, and Kenneth Wilcox have combined their years of expertise in this invaluable resource to teach you how a typical wired

business can leverage Web services in B2B commerce. Using a case study, the authors walk you step by step through how to take advantage of new technologies in .NET, such as ADO, ASP, and SOAP, to create XML Web services. They start with a discussion of a Web services provider case study, including the analysis, design, construction, registration, and deployment of the Web service. You'll then learn about the conceptual design of a system and receive an introduction to Object Role Modeling (ORM). Packed with useful information, the chapters also dive into topics such as: Database design, covering the implementation of the physical design in Microsoft SQL Server 2000 Syntax and attributes used to code a Web service, including proper testing techniques The benefits of using the Universal Description Discovery and Integration (UDDI) framework Security-both the traditional mechanisms provided by IIS and new ones provided by ASP.NET Web service performance testing and tuning The companion Web site includes the complete case study application and code used in the book. The establishment and implementation of cross-organizational business processes is an implication of today's market pressure for efficiency gains. In this context, Business-To-Business integration (B2Bi) focuses on the information integration aspects of business processes. A core task of B2Bi is providing adequate models that capture the message exchanges between integration partners. Following the terminology used in the SOA domain, such models will be called choreographies in the context of this work. Despite the enormous economic importance of B2Bi, existing choreography languages fall short of fulfilling all relevant

requirements of B2Bi scenarios. Dedicated B2Bi choreography standards allow for inconsistent outcomes of basic interactions and do not provide unambiguous semantics for advanced interaction models. In contrast to this, more formal or technical choreography languages may provide unambiguous modeling semantics, but do not offer B2Bi domain concepts or an adequate level of abstraction. Defining valid and complete B2Bi choreography models becomes a challenging task in the face of these shortcomings. At the same time, invalid or underspecified choreography definitions are particularly costly considering the organizational setting of B2Bi scenarios. Models are not only needed to bridge the typical gap between business and IT, but also as negotiation means among the business users of the integration partners on the one hand and among the IT experts of the integration partners on the other. Misunderstandings between any two negotiation partners potentially affect the agreements between all other negotiation partners. This book constitutes the refereed proceedings of the First Asian Semantic Web Conference, ASWC 2006, held in Beijing, China, in September 2006. The 36 revised full papers and 36 revised short papers presented together with three invited contributions were carefully reviewed and selected from 208 full paper submissions. The papers are organized in topical sections. Prepare for the next generation of the internet with this in-depth, developer's guide to the .Net framework that utilizes XML to achieve greater flexibility of information and increased interoperability. Developing .Net Web Services with XML introduces readers to the foundation for the .Net platform. The book covers the

history, applications and implementation of the Extensible Markup Language within Microsoft's .NET framework. Readers will be given a thorough introduction to .NET and its XML building blocks while acquiring a firm grasp of how those blocks can be used to build any Web site or service so that it will federate and collaborate seamlessly with others Equips developers with the tool necessary to take advantage of the next generation of the internet This book will provide web developers with a firm understanding of XML, the building block of the .Net framework Includes practical, real-life applications using XML Unrivalled web based support: Readers can receive up-to-the minute links, white papers and analysis for two years at solutions@syngress.com We have described the development of a new micro-payment system, NetPay, featuring different ways of managing electronic money, or e-coins. NetPay provides an off-line, anonymous protocol that supports high-volume, low-cost electronic transactions over the Internet. We developed three kinds of e-wallets to manage coins in a NetPay-based system: a sever-side e-wallet allowing multiple computer access to coins; a client-side e-wallet allowing customer PC management of the e-coins, and a cookie-based e-wallet cache to improve performance of the client-side e-wallet c- munication overhead. Experiences to date with NetPay prototypes have demonstrated it provides an effective micro-payment strategy and customers welcome the ability to manage their electronic coins in different ways. References 1. Dai, X. and Lo, B.: NetPay - An Efficient Protocol for Micropayments on the WWW. Fifth Australian World Wide Web Conference, Australia (1999) 2. Dai, X., Grundy, J. and Lo, B.: Comparing and contrasting micro-

payment models for- commerce systems, International Conferences of Info-tech and Info-net (ICII), China (2001)

3. Dai, X., Grundy, J.: Architecture of a Micro-Payment System for Thin-Client Web Applications. In Proceedings of the 2002 International Conference on Internet Computing, Las Vegas, CSREA Press, June 24-27, 444--450

4. Dai, X. and Grundy J.: "Customer Perception of a Thin-client Micro-payment System Issues and Experiences", Journal of End User Computing, 15(4), pp 62-77, (2003).

This example-driven book offers a thorough introduction to Java's APIs for XML Web Services (JAX-WS) and RESTful Web Services (JAX-RS). Java Web Services: Up and Running takes a clear, pragmatic approach to these technologies by providing a mix of architectural overview, complete working code examples, and short yet precise instructions for compiling, deploying, and executing an application. You'll learn how to write web services from scratch and integrate existing services into your Java applications. With Java Web Services: Up and Running, you will:

- Understand the distinction between SOAP-based and REST-style services
- Write, deploy, and consume SOAP-based services in core Java
- Understand the Web Service Definition Language (WSDL) service contract
- Recognize the structure of a SOAP message
- Learn how to deliver Java-based RESTful web services and consume commercial RESTful services
- Know security requirements for SOAP- and REST-based web services
- Learn how to implement JAX-WS in various application servers

Ideal for students as well as experienced programmers, Java Web Services: Up and Running is the concise guide you need to start working with these technologies right away. Modern businesses are on the lookout for ventures that

boost their profits and marketability. Certain new and innovative technological advances can help enterprises accomplish their ambitious goals while providing detailed information to assess all aspects of the business. Global Virtual Enterprises in Cloud Computing Environments is a collection of innovative studies on business processes, procedures, methods, strategy, management thinking, and utilization of technology in cloud computing environments. While highlighting topics including international business strategy, virtual reality, and intellectual capital, this book is ideally designed for corporate executives, research scholars, and students pursuing courses in the areas of management and big data applications seeking current research on effective open innovation strategies in global business.

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