SOLUTIONS FOR NETWORKED DATABASES

HOW TO MOVE FROM HETEROGENEOUS STRUCTURES TO FEDERATED CONCEPTS

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Solutions For Networked Databases How To Move From Heterogeneous

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　　Solutions for Networked Databases Dimitris N. Chorafas,Heinrich Steinmann,2014-05-10 Solutions for Networked Databases How to Move from Heterogeneous Structures to Federated Concepts reviews developments in standards and ad hoc solutions aimed at providing cross database connectivity for networked databases The emphasis is on how to move from heterogeneous structures to federated concepts The advent of the multidatabase is discussed along with schemata dictionaries and protocols Applications with federated databases are also considered Comprised of 18 chapters this book begins with an introduction to database and knowledge bank concepts reliability and availability characteristics and the synergy necessary to create and sustain federated databases Centralized and distributed databases are then compared and the different ways of managing distributed databases are outlined Subsequent chapters focus on the importance of treating the networked database as a corporate resource the use of schemata to solve cross database problems the Information Resource Dictionary System and application programming interface and remote data access A solution to heterogeneous distributed databases the Data Access Integrated Services DAIS is described This monograph is written for specialists in computers and communications 　　High-Performance Networks, Personal Communications and Mobile Computing Dimitris N. Chorafas,2016-07-27 Many professionals in the technology industry are seeking new solutions beyond the confines of the more traditional type software tools network design solutions and distributed systems applications The aim of this book is to provide for them a much needed upgrade of knowledge and skills by addressing the developing technical and business perspectives which have emerged from the deregulation of telecommunications including issues connected to costs and tariffs It also addresses a comprehensible introduction to the research development and implementation of agents Based on thorough research undertaken from 1993 96 in the United States Europe and Japan much practical material is included with both comprehensive examples and case studies 　　**Protocols, Servers and Projects for Multimedia Realtime Systems** Dimitris N. Chorafas,2016-07-27 This book addresses the changing role of networks and the evolving structure of an Infrastructure Superhighway The requirements for leadership in telecommunications are reviewed from different viewpoints Network operators equipment manufacturers software developers and user organizations Emphasis is placed on multimedia and what multimedia solutions would mean to telephone utilities and endusers Based on extensive research undertaken in Europe US and Japan Dimitris Chorafas identifies new domains of applications presents the breakthroughs which have currently been achieved and outlines the systems solutions necessary to fruitfully exploit new technology 　　**Financial Models and Simulation** D. Chorafas,1995-05-17 Financial analysis modellng simulation and knowledge engineering have become essential to the survival of every enterprise This thorough and comprehensive book looks at the development and use of financial models for analysis and decision making showing the reader how to apply these methods in his or her own work 　　Oracle Essentials Rick Greenwald,Robert Stackowiak,Jonathan Stern,2007-11-01 Oracle is an enormous system with

myriad technologies options and releases Most users even experienced developers and database administrators find it difficult to get a handle on the full scope of the Oracle database And as each new Oracle version is released users find themselves under increasing pressure to learn about a whole range of new technologies The latest challenge is Oracle Database 11g This book distills an enormous amount of information about Oracle into a compact easy to read volume filled with focused text illustrations and helpful hints It contains chapters on Oracle products options data structures and overall architecture for Oracle Database 11g as well as earlier releases Oracle Database 10g Oracle9i and Oracle8i Installing running managing monitoring networking and tuning Oracle including Enterprise Manager EM and Oracle s self tuning and management capabilities and using Oracle security auditing and compliance a new chapter in this edition Multiuser concurrency data warehouses distributed databases online transaction processing OLTP high availability and hardware architectures e g SMP clusters NUMA and grid computing Features beyond the Oracle database Oracle Application Express Fusion Middleware including Oracle Application Server and database SOA support as a Web services provider The latest Oracle Database 11g features query result set caching Automatic Memory Management the Real Application Testing Advanced Compression Total Recall and Active Data Guard Option Options changes to the OLAP Option transparently accessed and managed as materialized views the Flashback transaction command transparent data encryption the Support Workbench and diagnosability infrastructure and partitioning enhancements including interval and new composite types For new Oracle users DBAs developers and managers Oracle Essentials provides an invaluable all in one introduction to the full range of Oracle features and technologies including the just released Oracle Database 11g features But even if you already have a library full of Oracle documentation you ll find that this compact book is the one you turn to again and again as your one stop truly essential reference Oracle Essentials gives a clear explanation of the key database concepts and architecture underlying the Oracle database It s a great reference for anyone doing development or management of Oracle databases Andrew Mendelsohn Senior Vice President Database Server Technologies Oracle Corporation **Managing Next Generation Networks and Services** Shingo Ata,Choong Seon Hong,2007-09-20 This book constitutes the refereed proceedings of the 9th Asia Pacific Network Operations and Management Symposium APNOMS 2007 held in Sapporo Japan October 2007 The 48 revised full papers and 30 revised short papers cover management of distributed networks network configuration and planning network security management sensor and ad hoc networks network monitoring routing and traffic engineering management of wireless networks and security on wireless networks *Database Systems* S. K. Singh,2011 The second edition of this bestselling title is a perfect blend of theoretical knowledge and practical application It progresses gradually from basic to advance concepts in database management systems with numerous solved exercises to make learning easier and interesting New to this edition are discussions on more commercial database management systems **Parallel Computing: Fundamentals, Applications and New Directions** E.H. D'Hollander,G.R. Joubert,Frans

Peters,Ulrich Trottenberg,1998-07-22 This volume gives an overview of the state of the art with respect to the development of all types of parallel computers and their application to a wide range of problem areas The international conference on parallel computing ParCo97 Parallel Computing 97 was held in Bonn Germany from 19 to 22 September 1997 The first conference in this biannual series was held in 1983 in Berlin Further conferences were held in Leiden The Netherlands London UK Grenoble France and Gent Belgium From the outset the aim with the ParCo Parallel Computing conferences was to promote the application of parallel computers to solve real life problems In the case of ParCo97 a new milestone was reached in that more than half of the papers and posters presented were concerned with application aspects This fact reflects the coming of age of parallel computing Some 200 papers were submitted to the Program Committee by authors from all over the world The final programme consisted of four invited papers 71 contributed scientific industrial papers and 45 posters In addition a panel discussion on Parallel Computing and the Evolution of Cyberspace was held During and after the conference all final contributions were refereed Only those papers and posters accepted during this final screening process are included in this volume The practical emphasis of the conference was accentuated by an industrial exhibition where companies demonstrated the newest developments in parallel processing equipment and software Speakers from participating companies presented papers in industrial sessions in which new developments in parallel computing were reported **Transaction Management** D. Chorafas,1998-01-12 This book provides an essential update for experienced data processing professionals transaction managers and database specialists who are seeking system solutions beyond the confines of traditional approaches It provides practical advice on how to manage complex transactions and share distributed databases on client servers and the Internet Based on extensive research in over 100 companies in the USA Europe Japan and the UK topics covered include the challenge of global transaction requirements within an expanding business perspective how to handle long transactions and their constituent elements possible benefits from object oriented solutions the contribution of knowledge engineering in transaction management the Internet the World Wide Web and transaction handling systems software and transaction processing monitors OSF 1 and the Encina transaction monitor active data transfers and remote procedure calls serialization in a transaction environment transaction locks two phase commit and deadlocks improving transaction oriented database management the successful development of an increasingly complex transaction environment **SOFSEM 2006: Theory and Practice of Computer Science** Jirí Wiedermann,2006-01-05 This book constitutes the refereed proceedings of the 32nd Conference on Current Trends in Theory and Practice of Computer Science SOFSEM 2006 held in Merin Czech Republic in January 2006 The 45 revised full papers including the best Student Research Forum paper presented together with 10 invited contributions were carefully reviewed and selected from 157 submissions The papers were organized in four topical tracks on computer science foundations wireless mobile ad hoc and sensor networks database technologies and semantic Web technologies Network World ,1992-10-12 For more than 20

years Network World has been the premier provider of information intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations Readers are responsible for designing implementing and managing the voice data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce   Network World ,1994-10-24 For more than 20 years Network World has been the premier provider of information intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations Readers are responsible for designing implementing and managing the voice data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce   Database Design for Smarties Robert J. Muller,1999-03-08 Craft the Right Design Using UML Whether building a relational object relational or object oriented database database developers are increasingly relying on an object oriented design approach as the best way to meet user needs and performance criteria This book teaches you how to use the Unified Modeling Language the official standard of the Object Management Group to develop and implement the best possible design for your database Inside the author leads you step by step through the design process from requirements analysis to schema generation You ll learn to express stakeholder needs in UML use cases and actor diagrams to translate UML entities into database components and to transform the resulting design into relational object relational and object oriented schemas for all major DBMS products Features Teaches you everything you need to know to design build and test databases using an OO model Shows you how to use UML the accepted standard for database design according to OO principles Explains how to transform your design into a conceptual schema for relational object relational and object oriented DBMSs Offers practical examples of design for Oracle SQL Server Sybase Informix Object Design POET and other database management systems Focuses heavily on re using design patterns for maximum productivity and teaches you how to certify completed designs for re use   **Web-based Systems and Network Management** Kornel Terplan,1999-04-21 Web based technology is rapidly penetrating many business areas including systems and network management This new technology is based on the Internet offering benefits in terms of unification and simplification of systems and network management Web based Systems and Network Management is a practical guide to managing Web based network systems The first serious book on this subject based on a three day seminar developed by the author demonstrates the use of Web technology and shows how the various components of the Internet and Intranets must be economically and securely managed Web based standardization is taking three main directions Port 280 JavaAPI and Wbem Web based Enterprise Management These are discussed in depth and the opportunities and limitations of each are addressed The book not only handles the basics but also gives guidance on their use to simplify systems and network management   **On the Move to Meaningful Internet Systems** Robert Meersman,Tharam Dillon,Pilar Herrero,2010-10-29 The two volume set of LNCS 6426 6427 constitutes the refereed proceedings of 3 confederated international conferences on CoopIS Cooperative Information Systems DOA

Distributed Objects and Applications and ODBASE Ontologies DataBases and Applications of SEmantics These conferences were held in October 2009 in Greece in Hersonissos on the island of Crete CoopIS is covering the applications of technologies in an enterprice context as workflow systems and knowledge management DOA is covering the relevant infrastructure enabling technologies and finally OSBASe is covering WEB semantics XML databases and ontologies The 83 revised full papers presented together with 3 keynote talks were carefully reviewed and selected from a total of 223 submissions Corresponding to the OTM main conferences the papers are organized in topical sections on process models and management modeling of cooperation services computing information processing and management human based cooperative systems ontology and workflow challenges access control authentication and policies secure architectures cryptography data storage and processing transaction and event management virtualization performance risk and scalability cloud and distributed system security reactivity and semantic data ontology mapping and semantic similarity domain specific ontologies

Advances in Recent Trends in Communication and Networks ,2010 **Challenges of Information Technology Management in the 21st Century** Information Resources Management Association. International Conference,2000 As the 21st century begins we are faced with opportunities and challenges of available technology as well as pressured to create strategic and tactical plans for future technology Worldwide IT professionals are sharing and trading concepts and ideas for effective IT management and this co operation is what leads to solid IT management practices This volume is a collection of papers that present IT management perspectives from professionals around the world The papers seek to offer new ideas refine old ones and pose interesting scenarios to help the reader develop company sensitive management strategies

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