Database Software Solutions

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Virtual Project Management Plunkett Research, Ltd.
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.

Web Database Applications with PHP and MySQL John Wiley & Sons
This book contains the proceedings of the five high-quality workshops organized at the Second European Conference on Service-Oriented and Cloud Computing, ESOCC 2013, held in Malaga, Spain, in September 2013. The workshops are: Cloud for IoT (CLIoT 2013), CLOUd Storage Optimization (CLOUSO 2013), 12th International Workshop on Foundations of Coordination Languages and Self-Adaptive Systems (FOCLASA 2013), First Workshop on Mobile Cloud and Social Perspectives (MoCSoP 2013), and the 3rd International Workshop on Adaptive Services for the Future Internet (WAS4FI 2013). The 29 papers presented were carefully reviewed and selected from 51 submissions. They focus on specific topics in service-oriented and cloud computing domains: cloud environments, smart connectivity, context-aware computation, cloud for IoT, storage clouds, coordination languages, formal approaches to modeling and reasoning, self-systems, services for mobile devices, wireless sensor networks.

Cascade Use in Technologies 2018 Springer Science & Business Media
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Microsoft SQL Server 2008 All-in-One Desk Reference For Dummies World Bank Publications
Covering theory, algorithms, and methodologies, as well as data mining technologies, Data Mining for Bioinformatics provides a comprehensive discussion of data-intensive computations used in data mining with applications in bioinformatics. It supplies a broad, yet in-depth, overview of the application domains of data mining for bioinformatics to he
Springer
The authoritative, hands-on guide to advanced MySQL programming and administration techniques for high performance is here. MySQL Database Design and Tuning is the only guide with coverage of both the basics and advanced topics, including reliability, performance, optimization and tuning for MySQL. This clear, concise and unique source for the most reliable MySQL performance information will show you how to: Deploy the right MySQL product for your performance needs. Set up a performance management and monitoring environment using tools from MySQL. Implement the right indexing strategy Apply good performance strategy when developing software to work with the MySQL database. Configure dozens of variable to correctly tune the MySQL engine. If you deal with the intricacies and challenges of advanced MySQL functionality on a daily basis, you will be able to build on your knowledge with author Robert Schneider's real-world experiences in MySQL Database Design and Tuning.

Network World Pearson Education
In this paper, the notion and characteristics of very large databases for online storage and processing are motivated. The database computer requirements for large databases are given. The limitations and bottlenecks of the conventional database computer (i.e., the database management system, DBMS, utilizing either the mainframe computer or the backend computer) are delineated. Unlike the database computer for small and simple databases, the database computers for very large and complex databases cannot rely on the upgrade of a conventional mainframe or a backend computer. Nor can it rely on the latest introduction or version of the DBMS. Instead, database computers for very large databases require new hardware organizations and novel software techniques in order to handle the databases cost-effectively and performance-efficiently. This paper recommends the kinds of hardware architectures and software techniques which may make database computers for very large and complex databases effective in both operation and cost and efficient in both response time and transaction throughout.

BoogarLists | Directory of Software Solutions Prentice-Hall PTR
Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

Creating Highly Available Database Solutions Springer
Your hands-on, step-by-step guide to building Windows 8 apps with .NET Teach yourself how to build Windows 8 applications using Microsoft .NET Framework 4.5 with Microsoft Visual C# 2012 or Visual Basic 2012—one step at a time. Ideal for those with intermediate to advanced .NET development skills, this tutorial provides practical, learn-by-doing exercises for creating apps that easily adapt to different screen sizes—including desktop and laptop computers, tablets, and slates. C# examples are presented in the text; Visual Basic code examples are available online only. Discover how to: Build apps using Windows 8 design guidelines Explore the Windows 8 application architecture Apply tools and libraries from Visual Studio and the Windows 8 SDK Use XAML to create touch-optimized user interfaces Create apps that make use of device sensors Manage the Windows 8 application lifecycle Prepare your app for the Windows Store

Programming Microsoft LINQ in .NET Framework 4 Pearson Education
This handbook provides an exhaustive, one-stop reference and a state-of-the-art description of geographic information and its use. This new, substantially updated edition presents a complete and rigorous overview of the fundamentals, methods and applications of the multidisciplinary field of geographic information systems. Designed to be a useful and readable desk reference book, but also prepared in various electronic formats, this title allows fast yet comprehensive review and easy retrieval of essential reliable key information. The Springer Handbook of Geographic Information is divided into three parts. Part A, Basics and Computer Science, provides an overview on the fundamentals, including descriptions of databases and encoding of geographic information. It also covers the underlying mathematical and statistics methods and modeling. A new chapter exemplifies the emerging use and analysis of big data in a geographic context. Part B offers rigorous descriptions of gathering, processing and coding of geographic information in a standardized way to allow interoperable use in a variety of systems; from traditional methods such as geodesy and surveying to state-of-the-art remote sensing and photogrammetry; from cartography to geospatial web services. Discussions on geosemantic interoperability and security of open distributed geospatial information systems complete the comprehensive coverage. The final part describes a wide array of applications in science, industry and society at large, such as agriculture, defense, transportation, energy and utilities, health and human services. The part is enhanced by new chapters on smart cities and building information modeling, as well as a complete overview of the currently available open-source geographic information systems. Using standardized international terminology, in accordance with ISO/TC 211 and INSPIRE, this handbook facilitates collaboration between different disciplines and is a must have for practitioners and new comers in industry and academia.

Advances in Service-Oriented and Cloud Computing CRC Press
MySQL Explained is a step-by-step tutorial for everyone who's ready to learn about the database software most commonly used for storing information behind some of today's most popular websites and online applications. Written especially for people outside the technology field, MySQL Explained provides the background information you need to get familiar with database theory and the principles behind organizing data. This book starts from the ground up, helping the reader to understand the very definition of a database, the forms it can take and the different options for storing information. By the end of this book, you'll understand the reasons for choosing MySQL, the options for installing it and the tools that it offers to store and safeguard your data. If you are in any way involved in designing or managing a website or data solution of any kind, you owe it to yourself to understand the tools involved. Quality database management systems are essential in today's data-driven world and such essential tools should not be a mystery to those who depend on them. MySQL Explained can help you unravel the mystery and learn more about a technology that will be around for a long time to come.

New Perspectives on Adobe Dreamweaver CS6, Comprehensive Cengage Learning
Migrating to the Cloud: Oracle Client/Server Modernization is a reference guide for migrating client/server applications to the Oracle cloud. Organized into 14 chapters, the book offers tips on planning, determining effort and budget, designing the Oracle cloud infrastructure, implementing the migration, and moving the Oracle cloud environment into production. Aside from Oracle application and database cloud offerings, the book looks at various tools and technologies that can facilitate migration to the cloud. It includes useful code snippets and step-by-step instructions in database migration, along with four case studies that highlight service enablement of DOS-based applications, Sybase to Oracle, PowerBuilder to APEX, and Forms to Java EE. Finally, it considers current challenges and future trends in cloud computing and client/server migration. This book will be useful to IT professionals, such as developers, architects, database administrators, IT project managers, and executives, in developing migration strategies and best practices, as well as finding appropriate solutions. Focuses on Oracle architecture, Middleware and COTS business applications Explains the tools and technologies necessary for your legacy migration Gives useful information about various strategies, migration methodologies and efficient plans for executing migration projects

Solutions Software Corporation Springer Science & Business Media
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Computerworld John Wiley & Sons
The start-to-finish guide to virtualizing business-critical Oracle Software and Databases on VMware vSphere Virtualizing large-scale Oracle software and databases on vSphere can deliver powerful scalability, availability, and performance benefits. Recognizing this opportunity, thousands of organizations are moving to virtualize Oracle. However, reliable best practices have been difficult to find, and database and virtualization professionals often bring incompatible perspectives to the challenge. Virtualizing Oracle ® Databases on vSphere ® is the first authoritative, comprehensive, and best-practice guide to running Oracle on VMware platforms. Reflecting a deep understanding of both Oracle and vSphere, this guide is supported by extensive in-the-field experience with the full spectrum of database applications and environments. Both a detailed reference and a practical cookbook, it combines theory and practice, and offers up-to-date insights for the entire lifecycle, supported by case studies. Kannan Mani and Don Sullivan fully address architecture, performance, design, sizing, and high availability. Focusing on current versions of Oracle and vSphere, they highlight the differences between ESX/ESXi 4.x and 5.x wherever relevant. To deliver even more value, they provide extensive online resources, including easy-to-adapt scripts and expert how-to videos. Coverage includes: Understanding the DBA ’ s expanded role in virtualized environments, and the emergence of the vDBA, vRACDBA, and Cloud DBA Identifying your best opportunities to drive value from virtualizing Oracle Anticipating challenges associated with virtualizing Oracle-based Business Critical Applications on vSphere Using VMware to overcome ongoing database deployment and management problems Protecting your virtualized database environment with vSphere ’ s high-availability capabilities Designing databases to achieve scalability on demand, maximize availability, consolidate servers, and improve compliance Implementing best practices for memory, storage, and database layout Demystifying the impact of virtualization on Oracle support and licensing Using VMware Site Recovery Manager (SRM) to accelerate disaster recovery by seamlessly integrating VM and storage failover Streamlining provisioning and taking advantage of opportunities to automate

Computerworld Smith & Kraus Pub Incorporated
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Microsoft Access Small Business Solutions Pearson Education
The goal of this text is to describe the technical design aspects of the IT infrastructure; it does not give the details of installing and customizing SAP software, nor business process reengineering. Using primarily HP products for the solution examples, the chapters guide the reader through the foundation of the systems from an IT perspective, reviews its business application and architecture and introduces the server systems, then describes data storage, high availability and recovery solutions, client PCs with front-end user interfaces, output management and printing solutions, network infrastructure and requirements, cabling designs, LANs and WANs, and connecting mySAP.com to the Internet. Both authors are members of the HP-SAP International Competence Center. Annotation copyrighted by Book News, Inc., Portland, OR

Beginning Database Design Solutions CRC Press
Dig into LINQ -- and transform the way you work with data. With LINQ, you can query data from a variety of sources -- including databases, objects, and XML files -- directly from Microsoft Visual Basic or C#. Guided by data-access experts who've worked in depth with LINQ and the Microsoft development teams, you'll learn how .NET Framework 4 implements LINQ, and how to exploit it. Clear examples show you how to deliver your own data-access solutions faster and with leaner code. Discover how to: Use LINQ to query databases, object collections, arrays, XML, Microsoft Excel files, and other sources Apply LINQ best practices to build data-enabled .NET applications and services Manipulate data in a relational database with ADO.NET Entity Framework or LINQ to SQL Read, write, and manage XML content more efficiently with LINQ to XML Extend LINQ to support additional data sources by creating custom operators and providers Examine other implementations, such as LINQ to SharePoint Use LINQ within the data, business, and service layers of a distributed application Get code samples on the Web

Data for Learning Prentice Hall Professional
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Computerworld CRC Press
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MySQL Database Design and Tuning John Wiley & Sons
This book explains how to architect and deploy high availability (HA) solutions with Oracle Real Application Clusters (Oracle RAC) in a Sun(tm) Cluster 3.x environment. It presents information to help you decide when an Oracle RAC and Sun Cluster software solution is appropriate to satisfy the availability requirements of your business. In addition, this book explains the technology behind these products, describes successful customer deployments, and provides technical tips and preferred practice recommendations. This book features detailed case studies, including A large German bank that has implemented an Oracle RAC and Sun Cluster software solution to meet the ever-increasing business demands of the banking industry. One of the largest companies in Europe for alpine skiing that has implemented Oracle RAC and Sun Cluster software to support HA requirements in a consolidated environment. A benchmark case that describes the use of Oracle RAC with Sun's Remote Shared Memory (RSM) technology to improve the performance of single-instance databases. A large financial institution that uses Sun Cluster's HA Oracle agent to provide the necessary level of HA required for their database.
Database Solutions Super Database ComputersIn this paper, the notion and characteristics of very large databases for online storage and processing are motivated. The database computer requirements for large databases are given. The limitations and bottlenecks of the conventional database computer (i.e., the database management system, DBMS, utilizing either the mainframe computer or the backend computer) are delineated. Unlike the database computer for small and simple databases, the database computers for very large and complex databases cannot rely on the upgrade of a conventional mainframe or a backend computer. Nor can it rely on the latest introduction or version of the DBMS. Instead, database computers for very large databases require new hardware organizations and novel software techniques in order to handle the databases cost-effectively and performance-efficiently. This paper recommends the kinds of hardware architectures and software techniques which may make database computers for very large and complex databases effective in both operation and cost and efficient in both response time and transaction throughout.Beginning Database Design Solutions
An up-to-date and comprehensive treatment of biosurveillancetechniques With the worldwide awareness of bioterrorism and drug-resistantinfectious diseases, the need for surveillance systems toaccurately detect emerging epidemicsis essential for maintainingglobal safety. Responding to these issues, Disease Surveillancebrings together fifteen eminent researchers in the fields ofmedicine, epidemiology, biostatistics, and medical informatics todefine the necessary elements of an effective disease surveillanceprogram, including research, development, implementation, andoperations. The surveillance systems and techniques presented inthe text are designed to best utilize modern technology, manageemerging public health threats, and adapt to environmentalchanges. Following a historical overview detailing the need for diseasesurveillance systems, the text is divided into the following threeparts: Part One sets forth the informatics knowledge needed toimplement a disease surveillance system, including a discussion ofdata sources currently used in syndromic surveillance systems. Part Two provides case studies of modern disease surveillancesystems, including cases that highlight implementation andoperational difficulties as well as the successes experienced byhealth departments in the United States, Canada, Europe, andAsia. Part Three addresses practical issues concerning the evaluationof disease surveillance systems and the education of futureinformatics and disease surveillance practitioners. It alsoassesses how future technology will shape the field of diseasesurveillance. This book's multidisciplinary approach is ideal for publichealth professionals who need to understand all the facets within adisease surveillance program and implement the technology needed tosupport surveillance activities. An outline of the componentsneeded for a successful disease surveillance system combined withextensive use of case studies makes this book well-suited as atextbook for public health informatics courses