Database Management Solutions America

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Expert Oracle Enterprise Manager 12c Morgan Kaufmann Gillenson's new edition of

Fundamentals of Database Management Systems provides concise coverage of the fundamental topics necessary for a deep understanding of the basics. In this issue, there is more emphasis on a practical approach, with new "your turn" boxes and much more coverage in a separate supplement on how to implement databases with Access. In every chapter, the author covers concepts first, then show how they're implemented in continuing case(s.) "Your Turn" boxes appear several times throughout the chapter to apply concepts to projects. And "Concepts in Action" boxes contain examples of concepts used in practice. This pedagogy is easily demonstrable and the text also includes more hands-on exercises and projects and a standard diagramming style for the data modeling diagrams. Furthermore, revised and updated content and organization includes more coverage on database control

issues, earlier coverage of SQL, and new coverage on data quality issues.

Transaction Management IBM Press

In this book, Oracle experts Darl Kuhn, Sam Alapati, and Arup Nanda show you the power of Recovery Manager, or RMAN, which is Oracle's backup and recovery tool of choice. Oracle RMAN Recipes helps you take advantage of all that RMAN has to offer. This handy guide demystifies the steps required to protect your business data. It provides ready-made and example-based solutions to common (and some not-so-common) backup and recovery operations.

RMAN Recipes for Oracle Database 12c IBM Redbooks

Hash tables can do a lot more than you might think! Data Management Solutions Using SAS Hash Table Operations: A Business Intelligence Case Study concentrates on solving your challenging data management and analysis problems via the power of the SAS hash object, whose environment and tools make it possible to create complete dynamic solutions. To this end, this book provides an in-depth overview of the hash table as an in-memory database with the CRUD (Create, Retrieve, Update, Delete) cycle rendered by the hash object tools. By using this concept and focusing on real-world problems exemplified by sports data sets and statistics, this book seeks to help you take advantage of the hash object productively, in particular, but not limited to, the following tasks: select proper hash tools to perform hash table operations use

proper hash table operations to support specific data management tasks use the dynamic, run-time nature of hash object programming understand the algorithmic principles behind hash table data look-up, retrieval, and aggregation learn how to perform data aggregation, for which the hash object is exceptionally well suited manage the hash table memory footprint, especially when processing big data use hash object techniques for other data processing tasks, such as filtering, combining, splitting, sorting, and unduplicating.

Using this book, you will be able to answer your toughest questions quickly and in the most efficient way possible!

Data Management Solutions Using SAS Hash Table Operations Apress

Information is a key to making better decisions. Author Larry Ruddell provides a holistic approach to database management for small business owners, nonprofit executives, and educators who want to answer the following questions. • How to apply database management best practices to my organization? • How to use database management to create a competitive advantage? • How to use Microsoft Access? • What does a database administrator do? • How to become a database administrator? • And more Leveraging more than ten years of experience in database management, Dr. Ruddell has created a modern database management book written in a conversational style. It will help students consider a database administrator career while at the same time providing practical principles to help small business owners communicate more effectively with IT professionals. Dr. Ruddell shows us all that

database management doesn't have to be daunting. In his book, you'll learn database design principles that will help you create a plan for using information technology even when you don't have a database administrator on staff. Small business owners and nonprofit executives with limited resources will learn to take control of data and make better decisions to grow your organization. In addition, you'll feel more informed and confident talking to IT professionals while improving your database management skills to boost productivity and create a competitive advantage. Professors and teachers will get a guide that provides learners insights into database management best practices and database design principles with practical advice to help put their students on a path to a career in database administration. Dr. Ruddell is an Associate Professor in Business at Belhaven University and former Dean of Faculty at Belhaven University, Houston campus. He has honed his database management skills and principles through practical experience with four computer startups and as the founder and president of Integrated Systems and Services. He knows what it's like to work at a small company with limited resources and desires to help small business owners and nonprofit executives improve performance and create efficiencies through effective database management. He has more than ten years of experience working as a computer consultant in several capacities, including training, process analysis, database design and development, systems management, project management, and business development. He has worked for Nomos Systems, Inc. (as a founding partner), Quad S

Consultants, Enron (with TCHD and OSI), and on a NASA contract with Booz, Allen & Hamilton. He is a Microsoft Certified Microsoft Access Trainer and has developed over 15 database applications, including the global training tracking system for Miami International Seminary.

SAP Master Data Governance Packt Publishing Ltd

Gain a thorough, applied understanding of critical database issues with Starks/Pratt/Last's **CONCEPTS OF DATABASE MANAGEMENT, 9E.** Real cases, examples and screenshots in this concise presentation help clarify database design, data integrity, normalization, concurrent updates, data security, and big data. Completely updated to SQL Server 2016, Microsoft Access 2016, and Office 365 standards, this edition explores SQL in a database-neutral environment while addressing E-R diagrams, normalization, and database design. Detailed coverage presents the relational model (including QBE and SQL), normalization and views, database administration and management. You also examine advanced topics such as distributed databases, data warehouses, stored procedures, triggers, data macros and Web Apps. This introduction to database is ideal for mastering today's database techniques.

Official Gazette of the United States Patent and Trademark Office Addison-Wesley Professional

About the authors -- Introducing master data management -- MDM as an SOA enabler -- MDM reference architecture -- MDM security and privacy -- MDM architecture patterns -- PIM-MDM solution blueprints -- CdI-MDM solution blueprints -- MDM integration blueprints -- Master data management and data governance -- MDM user roles -- Software and solution offerings for MDM deployments -- Compliance -- Standards

Enterprise Master Data Management WestBow Press

Performance problems are rarely "problems" per se. They are more often "crises" during which you ' re pressured for results by a manager standing outside your cubicle while your phone rings with queries from the help desk. You won ' t have the time for a leisurely perusal of the manuals, nor to lean back and read a book on theory. What you need in that situation is a book of solutions, and solutions are precisely what Oracle Database 12c Performance Tuning Recipes delivers. Oracle Database 12c Performance Tuning Recipes is a ready reference for database administrators in need of immediate help with performance issues relating to Oracle Database. The book takes an example-based approach, wherein each chapter covers a specific problem domain. Within each chapter are "recipes," showing by example how to perform common tasks in that chapter ' s domain. Solutions in the recipes are backed by clear explanations of background and theory from the author team. Whatever the task, if it ' s performance-related, you ' ll probably find a recipe and a solution in this book. Provides proven solutions to real-life Oracle performance problems Offers relevant background and theory to support each solution Gets straight to the point for when you're under pressure for results

XML Data Management

Plunkett Research, Ltd.

Over the past 5 years, the concept of big data has

matured, data science has grown exponentially, and data architecture has become a standard part of organizational decision-making. Throughout all this change, the basic principles that shape the architecture of data have remained the same. There remains a need for people to take a look at the "bigger picture" and to understand where their data fit into the grand scheme of things. Data Architecture: A Primer for the Data Scientist, Second Edition addresses the larger architectural picture of how big data fits within the existing information infrastructure or data warehousing systems. This is an essential topic not only for data scientists, analysts, and managers but also for researchers and engineers who increasingly need to deal with large and complex sets of data. Until data are gathered and can be placed into an existing framework or architecture, they cannot be used to their full potential. Drawing upon years of practical experience and using numerous examples and case studies from across various industries, the authors seek to explain this larger picture into which big data fits, giving data scientists the necessary context for how pieces of the puzzle should fit together. New case studies include expanded coverage of textual management and analytics New chapters on visualization and big data Discussion of new visualizations of the end-state architecture

DevOps, DBAs, and DBaaS

Academic Press

Learn how DBAs in a DevOps environment manage data platforms and change requests to support and optimize continuous integration, delivery, testing, and deployment in the

application development life cycle. On the Dev side, DBAs evaluate change requests to ensure compliance with organizational best practices and guard against degradation of database performance and the validity of dependent objects. On the Ops side, DBAs perform release and troubleshooting activities in support of the application, manage the data platform ' s access and security, and monitor and maintain performance of the databases that they have designed and provisioned. DevOps, DBAs, and DBaaS investigates the complex intersection between DBA functions and DevOps processes. DevOps teams traditionally viewed DBAs as process outliers who disrupt and retard SDLC timelines. At each touch point, veteran DBA Mike Cuppett shows how DBAs can most effectively contribute to decreasing release cycle times and improving product resiliency by applying automation, orchestration, and DBaaS solutions to database administration in ways that dovetail with DevOps requirements and metrics. At a high level, Cuppett demonstrates the importance of leveling silo walls in the IT supply chain and of measuring application performance holistically by reference to satisfaction of customer requirements and end-user experience. At a technical level, he drills into topics and case studies on diagnosing and resolving problems commonly encountered by DBAs and DevOps teams when meshing database

management with application delivery. What You Will Learn: Understand techniques and best practices at all points of collaboration between DBAs and DevOps teams in product development Use tools for measuring DBA inputs to DevOps processes by using the holistic criteria of end-user experience and business requirement Integrate open source database technologies with DevOps Know when to decouple application and database layers and move to DBaaS models Overcome language and mindset barriers between DBAs and DevOps teams Who This Book Is For: DBAs who are leaning toward or already involved with DevOps and DevOps engineers, team leaders, developers and product managers who are already working with DBAs or planning to integrate DBAs in DevOps teams. The secondary readership is executives and managers in companies that practice DevOps.

RMAN Recipes for Oracle Database 11g Apress

Data warehouses consolidate various activities of a business and often form the backbone for generating reports that support important business decisions. Errors in data tend to creep in for a variety of reasons. Some of these reasons include errors during input data collection and errors while merging data collected independently across different databases. These errors in data warehouses often result in erroneous upstream reports, and could impact business decisions negatively. Therefore, one of the critical challenges while maintaining large data warehouses is that of ensuring the quality of data in the data warehouse remains high. The process of

maintaining high data quality is commonly referred to as data cleaning. In this book, we first discuss the goals of data cleaning. Often, the goals of data cleaning are not well defined and could mean different solutions in different scenarios. Toward clarifying these goals, we abstract out a common set of data cleaning tasks that often need to be addressed. This abstraction allows us to develop solutions for these common data cleaning tasks. We then discuss a few popular approaches for developing such solutions. In particular, we focus on an operator-centric approach for developing a data cleaning platform. The operator-centric approach involves the development of customizable operators that could be used as building blocks for developing common solutions. This is similar to the approach of relational algebra for query processing. The basic set of operators can be put together to build complex queries. Finally, we discuss the development of custom scripts which leverage the basic data cleaning operators along with relational operators to implement effective solutions for data cleaning tasks.

Oracle Database 11g Apress Mastering material for dealing with DBA certification exams Key Features Prepare yourself for the IBM C2090-600 certification exam Cover over 50 Db2 procedures including database design, performance, and security Work through over 150 Q&As to gain confidence on each topic Book Description IBM Db2 is a relational database management system (RDBMS) that helps you store, analyze, and retrieve data efficiently. This comprehensive book is designed to help you master all aspects of IBM Db2 database administration and prepare you to take and pass

IBM's Certification Exams C2090-600. Building on years of extensive experience, the authors take you through all areas covered by the test. The book delves deep into each certification topic: Db2 server management, physical design, business rules implementation, activity monitoring, utilities, high availability, and security. IBM Db2 11.1 Certification Guide provides you with more than 150 practice questions and answers, simulating real certification examination questions. Each chapter includes an extensive set of practice questions along with carefully explained answers. This book will not just prepare you for the C2090-600 exam but also help you troubleshoot day-to-day database administration challenges. What you will learn Configure and manage Db2 servers, instances, and databases Implement Db2 BLU Acceleration and a DB2 pureScale environment Create, manage, and alter Db2 database objects Use the partitioning capabilities available within Db2 Enforce constraint checking with the SET INTEGRITY command Utilize the Db2 problem determination (db2pd) and dsmtop tools Configure and manage HADR Understand how to encrypt data in transit and at rest Who this book is for The IBM Db2 11.1 Certification Guide is an excellent choice for database administrators, architects, and application developers who are keen to obtain certification in Db2. Basic understanding of Db2 is expected in order to get the most out of this guide.

Concepts of Database Management, Loose-Leaf Version Apress
"Database Management Systems (DBMS) is a must for any course in database systems or file organization. DBMS provides a hands-on approach to relational database systems, with an emphasis on practical topics such as indexing methods, SQL, and database design. New to this edition are the early coverage of the ER model, new chapters on Internet databases, data mining, and spatial databases, and a new supplement on practical SQL assignments (with solutions for instructors' use). Many other chapters have been reorganized or expanded to provide up-to-date coverage."--Jacket.
Farm data management, sharing and services for agriculture development IBM Redbooks
Over the last few years, IBM ® IMSTM and IMS tools have been modernizing the interfaces to IMS and the IMS tools to bring them more in line with the current interface designs. As the mainframe software products are becoming more integrated with the Windows and mobile environments, a common approach to interfaces is becoming more relevant. The traditional 3270 interface with ISPF as the main interface is no longer the only way to do some of these processes. There is also a need to provide more of a common looking interface so the tools do not have a product-specific interface. This allows more cross product integration. Eclipse and web-based interfaces being used in a development environment, tooling using those

environments provides productivity improvements in that the interfaces are common and familiar. IMS and IMS tools developers are making use of those environments to provide tooling that will perform some of the standard DBA functions. This book will take some selected processes and show how this new tooling can be used. This will provide some productivity improvements and also provide a more familiar environment for new generations DBAs. Some of the functions normally done by DBA or console operators can now be done in this eclipse-based environment by the application developers. This means that the need to request these services from others can be eliminated. This IBM Redbooks ® publication examines specific IMS DBA processes and highlights the new IMS and IMS tools features, which show an alternative way to accomplish those processes. Each chapter highlights a different area of the DBA processes like: PSB creation Starting/stopping a database in an IMS system Recovering a database Cloning a set of databases

Data Architecture: A Primer for the Data Scientist Pearson Education India

Step-by-step guidance to setting up and running effective institutional research data management services to support researchers and networks. The research landscape is changing, with key global research funders now requiring institutions to demonstrate how they will preserve and share research data. However, the practice of structured research data management is very new, and the construction of services remains experimental and in need of models and standards

of approach. This groundbreaking guide will lead researchers, institutions and policy makers through the processes needed to set up and run effective institutional research data management services. This ‘ how to ’ guide provides a step-by-step explanation of the components for an institutional service. Case studies from the newly emerging service infrastructures in the UK, USA and Australia draw out the lessons learnt. Different approaches are highlighted and compared; for example, a researcher-focused strategy from Australia is contrasted with a national, top-down approach, and a national research data management service is discussed as an alternative to institutional services. Key topics covered: · Research data provision · Options and approaches to research data management service provision · A spectrum of roles, responsibilities and competences · A pathway to sustainable research data services: from scoping to sustainability · The range and components of RDM infrastructure and services Case studies: · Johns Hopkins University · University of Southampton · Monash University · The UK Data Service · Jisc Managing Research Data programmes. Readership: This book will be an invaluable guide to those entering a new and untried enterprise. It will be particularly relevant to heads of libraries, information technology managers, research support office staff and research directors planning for these types of services. It will also be of interest to researchers, funders and policy makers as a reference tool for understanding how shifts in policy will have a range of

ramifications within institutions. Library and information science students will find it an informative window on an emerging area of practice.

Table-Style Database Management Services Third Edition Wiley

For those database administrators intending to upgrade or those who need to know the new features that will affect the entire Oracle database world, this book relates all of the features of this new database. The complete details of the database's new features, including database management and administration enhancements, are discussed. Improvements and additions to security, architecture, Internet features, real application clusters, and performance are also detailed.

Costs and Benefits of Database Management DM Publishing

Giving comprehensive, soup-to-nuts coverage of database administration, this guide is written from a platform-independent viewpoint, emphasizing best practices.

Database Design: Know It All Food & Agriculture Org.

Covers employers of various types from 100 to 2,500 employees in size (while the main volume covers companies of 2,500 or more employees). This book contains profiles of companies that are of vital importance to job-seekers of various types. It also enables readers to compare the growth potential and benefit plans of large employers.

Data Architecture: A Primer for the Data Scientist Springer Science & Business Media

Business Metadata: Capturing Enterprise Knowledge is the first book that helps businesses capture corporate (human)

knowledge and unstructured data, and offer solutions for codifying it for use in IT and management. Written by Bill Inmon, one of the fathers of the data warehouse and well-known author, the book is filled with war stories, examples, and cases from current projects. It includes a complete metadata acquisition methodology and project plan to guide readers every step of the way, and sample unstructured metadata for use in self-testing and developing skills. This book is recommended for IT professionals, including those in consulting, working on systems that will deliver better knowledge management capability. This includes people in these positions: data architects, data analysts, SOA architects, metadata analysts, repository (metadata data warehouse) managers as well as vendors that have a metadata component as part of their systems or tools. First book that helps businesses capture corporate (human) knowledge and unstructured data, and offer solutions for codifying it for use in IT and management Written by Bill Inmon, one of the fathers of the data warehouse and well-known author, and filled with war stories, examples, and cases from current projects Very practical, includes a complete metadata acquisition methodology and project plan to guide readers every step of the way Includes sample unstructured metadata for use in self-testing and developing skills

Fundamentals of Relational Database Management Systems Apress

RMAN Recipes for Oracle Database 12c is an example-driven approach to the Oracle database administrator's #1 job responsibility: Be able to recover the database. Of all the things you are responsible for as database administrator, nothing is more important than the data itself. Like it or not, the fearsome responsibility of protecting your organization's most critical data falls squarely upon your shoulders: Lose that data and your company could fail. Lose that data and you could be out of a job. Oracle's flagship database product fortunately implements a wide-ranging feature set to aid you in the all-important task of safeguarding against data loss. Recovery Manager, or RMAN, is at the heart of that feature set, and is the tool most-often used to initiate database backup and recovery operations. In this book, well-known authors and database experts Darl Kuhn, Sam Alapati, and Arup Nanda have created a set of examples encompassing the gamut of backup and recovery tasks that you might need to perform. Sometimes, especially when the heat is on, a good example is what you need to get started towards a solution. RMAN Recipes for Oracle Database 12c delivers. It ' ll be the book you reach for when that dreaded call comes in at 3:00am some dreary morning. It ' ll be the book that lets you sleep at night knowing that no matter what transpires, that you've done your job well and can recover from any outage. RMAN Recipes for Oracle Database 12c gets right to the point with quick and easy-to-read, step-by-step solutions that can help you backup and recover your data with confidence.

Delivering Research Data Management Services Academic

Press

Today, the world is trying to create and educate data scientists because of the phenomenon of Big Data. And everyone is looking deeply into this technology. But no one is looking at the larger architectural picture of how Big Data needs to fit within the existing systems (data warehousing systems). Taking a look at the larger picture into which Big Data fits gives the data scientist the necessary context for how pieces of the puzzle should fit together. Most references on Big Data look at only one tiny part of a much larger whole. Until data gathered can be put into an existing framework or architecture it can't be used to its full potential. Data Architecture a Primer for the Data Scientist addresses the larger architectural picture of how Big Data fits with the existing information infrastructure, an essential topic for the data scientist. Drawing upon years of practical experience and using numerous examples and an easy to understand framework. W.H. Inmon, and Daniel Linstedt define the importance of data architecture and how it can be used effectively to harness big data within existing systems. You'll be able to: Turn textual information into a form that can be analyzed by standard tools. Make the connection between analytics and Big Data Understand how Big Data fits within an existing systems environment Conduct analytics on repetitive and non-repetitive data Discusses the value in Big Data that is often overlooked, non-repetitive data, and why there is significant business value in using it Shows how to turn textual information into a form that can be analyzed by standard tools Explains how Big Data fits within an existing systems environment Presents new opportunities that are afforded by the advent of Big Data Demystifies the murky waters of repetitive and non-repetitive data in Big Data