Free download Custom database solutions (2023)

**Database Solutions 2004**

provides detailed instruction on using UML for data modeling with ready to use data models and databases and examples for building your own database in Oracle and Access

**IBM IMS Solutions for Automating Database Management 2014-12-09**

over the last few years IBM IMS 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. It 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.

**Solutions for Networked Databases 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 DAS is described. This monograph is written for specialists in computers and communications.

**Itq Level 2 Database Software Using Access 2006-09**

an optional unit of ITQ level 2 which attempts to teach the skills required to enter and retrieve a range of information and to create and modify database fields.

**PostgreSQL 13 Cookbook 2021-02-26**

get to grips with building reliable scalable and maintainable database solutions for enterprises and production databases. Key features: Implement PostgreSQL 13 features to perform end to end modern database management, Design, manage and build enterprise database solutions using a unique recipe based approach, solve common and not so common challenges faced while working to achieve optimal database performance. Book description: PostgreSQL has become the most advanced open source database on the market. This book follows a step by step approach guiding you effectively in deploying PostgreSQL in production environments. The book starts with an introduction to PostgreSQL and its architecture. You will cover common and not so common challenges faced while designing and managing the database next the book focuses on
backup and recovery strategies to ensure your database is steady and achieves optimal performance throughout the book you'll address key challenges such as maintaining reliability data integrity a fault tolerant environment a robust feature set extensibility consistency and authentication moving ahead you'll learn how to manage a postgresql cluster and explore replication features for high availability later chapters will assist you in building a secure postgresql server along with covering recipes for encrypting data in motion and data at rest finally you'll not only discover how to tune your database for optimal performance but also understand ways to monitor and manage maintenance activities before learning how to perform postgresql upgrades during downtime by the end of this book you'll be well versed with the essential postgresql 13 features to build enterprise relational databases what you will learn understand logical and physical backups in postgres demonstrate the different types of replication methods possible with postgresql today set up a high availability cluster that provides seamless automatic failover for applications secure a postgresql encryption through authentication authorization and auditing analyze the live and historic activity of a postgresql server understand how to monitor critical services in postgres 13 manage maintenance activities and performance tuning of a postgresql cluster who this book is for this postgresql book is for database architects database developers and administrators or anyone who wants to become well versed with postgresql 13 features to plan manage and design efficient database solutions prior experience with the postgresql database and sql language is expected

SAP Hardware Solutions 2001

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 oregon

Expert Oracle Database Architecture 2006-11-07

Based on a proven best seller and written by the most recognized oracle expert in the world and fully revised book covering both the 9i and 10g versions of the database based on what is widely recognized as the best oracle book ever written it defines what oracle really is and why it is so powerful inspired by the thousands of questions tom has answered on his asktom oracle com site it defines what oracle really is and why it is so powerful it tackles the problems that developers and dbas struggle with every day

PostgreSQL Development Essentials 2016-09-26

Develop programmatic functions to create powerful database applications about this book write complex sql queries and design a robust database design that fits your application s need improve database performance by indexing partitioning tables and query optimizing a comprehensive guide covering the advanced postgresql concepts without any hassle who this book is for if you are a postgresql developer with a basic knowledge of postgresql development and you want deeper knowledge to develop applications then this book is for you as this book does not cover basic installation and configurations you should have postgresql installed on your machine as a prerequisite what you will learn write more complex queries with advanced sql queries design a database that works with the application exactly the way you want make the database work in extreme conditions by tuning optimizing partitioning and indexing develop applications in other programming languages such as java and php use extensions to get extra benefits in terms of functionality and performance build an application that does not get locked by data manipulation explore in build db functions and data type conversions in detail postgresql is the most advanced open source database in the world it is easy to install configure and maintain by following the documentation however it s difficult to develop applications using programming languages and design databases accordingly this book is what you need to get the most out of postgresql you will begin with advanced sql topics such as views materialized views and cursors and learn about performing data type conversions you will then perform trigger operations and use trigger functions in postgresql next we walk through data modeling normalization concepts and the effect of transactions and locking on the database the next half of the book covers the types of indexes constraints and the concepts of table partitioning as well as the different mechanisms and approaches available to write efficient queries or code later we explore...

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postgresql extensions and large object support in postgresql finally you will perform database operations in postgresql using php and java
by the end of this book you will have mastered all the aspects of postgresql development you will be able to build efficient enterprise
grade applications with postgresql by making use of these concepts style and approach every chapter follows a step by step approach that
first explains the concept then shows you how to execute it practically so that you can implement them in your application

**Designing Big Data Platforms** 2021-07-27

designing big data platforms provides expert guidance and valuable insights on getting the most out of big data systems an array of tools
are currently available for managing and processing data some are ready to go solutions that can be immediately deployed while others
require complex and time intensive setups with such a vast range of options choosing the right tool to build a solution can be complicated
as can determining which tools work well with each other designing big data platforms provides clear and authoritative guidance on the
critical decisions necessary for successfully deploying operating and maintaining big data systems this highly practical guide helps readers
understand how to process large amounts of data with well known linux tools and database solutions use effective techniques to collect and
manage data from multiple sources transform data into meaningful business insights and much more author yusuf aytas a software engineer with
a vast amount of big data experience discusses the design of the ideal big data platform one that meets the needs of data analysts data
engineers data scientists software engineers and a spectrum of other stakeholders across an organization detailed yet accessible chapters
cover key topics such as stream data processing data analytics data science data discovery and data security this real world manual for big
data technologies provides up to date coverage of the tools currently used in big data processing and management offers step by step
guidance on building a data pipeline from basic scripting to distributed systems highlights and explains how data is processed at scale
includes an introduction to the foundation of a modern data platform designing big data platforms how to use deploy and maintain big data
systems is a must have for all professionals working with big data as well researchers and students in computer science and related fields

**PostgreSQL 10 High Performance** 2018-04-30

leverage the power of postgresql 10 to design administer and maintain a high performance database solution key features obtain optimal
postgresql 10 database performance ranging from initial design to routine maintenance fine tune the performance of your queries and avoid
the common pitfalls that can slow your system down contains tips and tricks on scaling successful database installations and ensuring a
highly available postgresql solution book description postgresql database servers have a common set of problems that they encounter as their
usage gets heavier and requirements get more demanding peek into the future of your postgresql 10 database s problems today know the warning
signs to look for and how to avoid the most common issues before they even happen surprisingly most postgresql database applications evolve
in the same way choose the right hardware tune the operating system and server memory use optimize queries against the database and cpus
with the right indexes and monitor every layer from hardware to queries using tools from inside and outside postgresql also using monitoring
insight postgresql database applications continuously rework the design and configuration on reaching the limits of a single server they
break things up connection pooling caching partitioning replication and parallel queries can all help handle increasing database workloads
by the end of this book you will have all the knowledge you need to design run and manage your postgresql solution while ensuring high
performance and high availability what you will learn learn best practices for scaling postgresql 10 installations discover the best
hardware for developing high performance postgresql applications benchmark your whole system from hardware to application learn by real
examples how server parameters impact performance discover postgresql 10 features for partitioning and parallel query monitor your server
both inside and outside the database design and implement a good replication system on postgresql 10 who this book is for this book is
designed for database administrators and postgresql architects who already use or plan to exploit the features of postgresql 10 to design
and maintain a high performance postgresql database a working knowledge of sql and some experience with postgresql will be helpful in
getting the most out of this book

**Efficient Usage of Adabas Replication** 2011-11-11

in today s it organization replication becomes more and more an essential technology this makes software ag s event replicator for adabas an
important part of your data processing setting the right parameters and establishing the best network communication as well as selecting

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efficient target components is essential for successfully implementing replication this book provides comprehensive information and unique best practice experience in the field of event replicator for adabas it also includes sample codes and configurations making your start very easy it describes all components necessary to replicate adabas data successfully efficiently and securely from the mainframe to adabas and non adabas target databases located on the mainframe or any open system the author s comprehensive experience comes from adabas replication to windows primarily on the subscription database and the reptor engine this can easily be applied to unix and linux systems by also providing practical solutions to avoid common problems the author s experience with mass data replication lets your project become a success story

**Graph Databases 2015-06-10**

discover how graph databases can help you manage and query highly connected data with this practical book you ll learn how to design and implement a graph database that brings the power of graphs to bear on a broad range of problem domains whether you want to speed up your response to user queries or build a database that can adapt as your business evolves this book shows you how to apply the schema free graph model to real world problems this second edition includes new code samples and diagrams using the latest neo4j syntax as well as information on new functionality learn how different organizations are using graph databases to outperform their competitors with this book s data modeling query and code examples you ll quickly be able to implement your own solution model data with the cypher query language and property graph model learn best practices and common pitfalls when modeling with graphs plan and implement a graph database solution in test driven fashion explore real world examples to learn how and why organizations use a graph database understand common patterns and components of graph database architecture use analytical techniques and algorithms to mine graph database information

**IBM Db2 11.1 Certification Guide 2018-06-28**

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

**Introducing Microsoft Access Using Macro Programming Techniques 2021-02-28**

learn microsoft access by building a powerful database application from start to finish microsoft access ships with every version of office from office 2019 to office 365 home and personal editions most people understand the value of having a reliable contact database but few realize that access can be an incredibly valuable data tool and an excellent gateway for learning database development introducing microsoft access using macro programming techniques approaches database development from a practical and experiential standpoint you will learn important data concepts as you journey through each step of creating a database using access the example you will build takes advantage of a massive amount of data from an external source of nutritional data usda you will leverage this freely available repository of information in multiple ways putting access to the test in creating powerful business solutions that you can then apply to your own data sets the tables
The Customer Loyalty Solution 2003-03-13

How today’s marketing leaders have bypassed the experts to craft effective, inexpensive customer loyalty programs. Database marketing is today’s most powerful tool for designing cost-effective, resource-efficient marketing and operations programs. The Customer Loyalty Solution cuts through theory and guesswork to examine how leading marketers from Lands’ End to IBM are using today’s new breed of database marketing tools to compute lifetime value, cut costs in every area, and make databases easier to access and utilize from anywhere on the globe. Praise for The Customer Loyalty Solution: the Customer Loyalty Solution combines the best of traditional practice with contemporary market factors in terms that inspire and cut across industries straightforward enough for the upcoming 1-1 marketer as well as a great catch up for the seasoned practitioner. Joe Rapolla, VP Consumer Marketing Services, Universal Music Group. Clo delivers practical solutions instead of hyperbole and theory. Hughes imparts his wisdom to set realistic expectations and provides case studies adding real-world application. J.C. Johnson, VP Database Marketing, Fairfield Resorts. Hughes distills the jargon and complexity of database marketing into a refreshingly straightforward and practical guide. The Customer Loyalty Solution should be required reading for anyone serious about making database marketing work. Jonathan Huth, VP Database Marketing, Scotiabank. New technologies like the have brought unprecedented change to database marketing but some things never change. Successful marketers have learned that to understand their customers they must think like their customers who continue to ignore one-time discounts to ask why would I want to be that company’s customer what’s in it for me. The Customer Loyalty Solution goes straight to the source revealing how marketers today are leveraging their database marketing programs to identify and attract the most profitable new customers and increase current customer retention and repurchase and identify and reward their most loyal and profitable customers. More than 40 detailed case studies and dozens of examples reveal success stories including Verizon’s best-in-class datamart that realized a 1681 percent return on marketing investment, Isuzu’s database project that targeted only their best prospects and cut industry standard per unit sales costs in half, Weekly Standard’s variable headline strategy that increased direct mail response rates by nearly 25 percent. Author and database marketing pioneer Arthur Hughes doesn’t hide behind incomprehensible formulas and impossible to navigate layouts. Each easy to follow chapter clearly addresses and explains a different piece of the database marketing puzzle. Case studies are clearly marked and detail what went right or wrong. Chapter ending synopses summarize the lessons to be learned in each chapter and clearly review what worked and what didn’t. These features and others combine with innovative charts and quizzes to ensure hands-on understanding of material covered and make the book a timely practical guide. The Customer Loyalty Solution reveals how database marketing and customer relationship management initiatives are making a difference today for the world’s leading marketers. It provides you with step-by-step techniques for benchmarking their efforts to develop intelligent strategies of your own understanding and how they work. The result will be far stronger customer loyalty more consistent repeat sales and a database marketing program that is enjoyable and successful for both you and your most profitable customers.

Mastering Oracle PL/SQL 2008-01-01

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth practical guide to solving real problems with PL/SQL stored procedures then this is the book for you.
FileMaker Pro 13 Absolute Beginner's Guide 2014-12-04

make the most of filemaker pro 13 without becoming a technical expert this book is the fastest way to create filemaker pro databases that perform well are easy to manage solve problems and achieve your goals even if you've never used filemaker pro before you'll learn how to do what you want one incredibly clear and easy step at a time filemaker pro has never ever been this simple who knew how simple filemaker pro 13 could be this is the easiest most practical beginner's guide to using the powerful new filemaker pro 13 database program simple reliable instructions for doing everything you really want to do here's a small sample of what you'll learn get comfortable with the filemaker pro environment and discover all you can do with it create complete databases instantly with starter solutions design custom databases that efficiently meet your specific needs identify the right tables fields and relationships create new databases from scratch expand your database to integrate new data and tables craft layouts that make your database easier and more efficient to use quickly find sort organize import and export data create intuitive visual reports and graphs for better decision making use scripts to automate a wide variety of routine tasks safeguard databases with accounts privileges and reliable backups share data with colleagues running ipads iphones windows computers or macs take your data with you through filemaker go master expert tips and hidden features you'd never find on your own and much more

Designing Database Solutions for SQL Server 2016 2017

database security problems and solutions describes and demonstrates how to resolve database security issues at the design implementation and production phases database security considers and implements those measures or controls in more specific ways than are generally realized in the broader realm of information security database security also involves other confidentiality approaches such as techniques for account credential management techniques to manage access to data as well as techniques to manage the types of access database security also considers other less realized approaches such as database normalization referential integrity transactions locks and check constraints designed for professionals workshop settings and self learners the book demonstrates several databases so the reader can follow along in a hands on approach each chapter also has a set of questions and follow up projects to reinforce comprehension of the material features includes demonstration and solution implementations on the major database management systems mysql oracle and microsoft sql server and computing platforms linux unix macos windows to be applicable for nearly every student and professional end of chapter exercises to enhance comprehension of topics

Database Security 2022-07-28

learn the new document store feature of mysql 8 and build applications around a mix of the best features from sql and nosql database paradigms don't allow yourself to be forced into one paradigm or the other but combine both approaches by using the document store mysql 8 was designed from the beginning to bridge the gap between nosql and sql oracle recognizes that many solutions need the capabilities of both more specifically developers need to store objects as loose collections of schema less documents but those same developers also need the ability to run structured queries on their data with mysql 8 you can do both introducing the mysql 8 document store presents new tools and features that make creating a hybrid database solution far easier than ever before this book covers the vitally important mysql document store new x protocol for application connectivity in mysql 8 master the new x developer application programming interfaces combine sql and json in the same database and application migrate existing applications to mysql document store who this book is for developers and database professionals wanting to learn about the most profound paradigm changing features of the mysql 8 document store
**Introducing the MySQL 8 Document Store 2018-06-20**

The vast majority of software applications use relational databases that virtually every application developer must work with. This book introduces you to database design whether you're a DBA or database developer. You'll discover what databases are, their goals, and why proper design is necessary to achieve those goals. Additionally, you'll master how to structure the database so it gives good performance while minimizing the chance for error. You will learn how to decide what should be in a database to meet the application's requirements.

**Beginning Database Design Solutions 2010-12-30**

Learn big data from the ground up with this complete and up-to-date resource from leaders in the field. Big data concepts, technology, and architecture deliver a comprehensive treatment of big data tools, terminology, and technology perfectly suited to a wide range of business professionals, academic researchers, and students. With a fulsome overview of what we mean when we say big data, the book moves on to discuss every stage of the lifecycle of big data. You'll learn about the creation of structured and semi-structured data, data storage solutions, traditional database solutions like SQL, data processing, data analytics, machine learning, and data mining. You'll also discover how specific technologies like Apache Hadoop, SQoop, and Flume work. Big data also covers the central topic of big data visualization with Tableau. You'll learn how to create scatter plots, histograms, bar, line, and pie charts with that software. Accessibly organized, big data includes illuminating case studies throughout the material showing you how the included concepts have been applied in real-world settings. Some of those concepts include the common challenges facing big data technology and technologies like data heterogeneity and incompleteness, data volume and velocity, storage limitations and privacy concerns, relational and non-relational databases like RDBMS, NoSQL, and NewSQL databases. Virtualizing big data through encapsulation, partitioning, and isolating, as well as big data server virtualization, Apache software including Hadoop, Cassandra, Avro, Pig, Mahout, Oozie, and Hive. The big data analytics lifecycle, including business case evaluation, data preparation, extraction, transformation, analysis, and visualization. Perfect for data scientists, data engineers, and database managers. Big data also belongs on the bookshelves of business intelligence analysts who are required to make decisions based on large volumes of information. Executives and managers who lead teams responsible for keeping or understanding large datasets will also benefit from this book.

**Big Data 2021-03-03**

Updated to cover the latest program version, this comprehensive guide helps users make the most of FileMaker Pro, the sophisticated workgroup database application with nine million registered users. Offers complete step-by-step guidance on FileMaker Pro features and tasks covering both the Mac and Windows versions. Features expanded coverage of ODBC, JDBC, and XML connectivity and includes a new chapter on the developer tools used to create more complex databases, other topics covered include calculations, and computations, data exchange, creating and using templates, linking databases using FileMaker in workgroups, publishing plug-ins, and advanced database connectivity.

**FileMaker Pro 7 Bible 2004-09-27**

Enterprise Manager 12c is Oracle's newest and fully integrated enterprise management product. Now it provides a complete cloud lifecycle management solution and enterprise environment management interface. Expert Oracle Enterprise Manager 12c opens up the secrets of this incredible management tool saving you time while enhancing your visibility. As someone management can rely upon to deliver reliable database service in today's increasingly chaotic and change-driven environment. Expert Oracle Enterprise Manager 12c covers all the topics you demand and need to function effectively from basic monitoring and configuration to advanced metric extensions and plugins. Real life scenarios and demonstrations place you in the comfort zone of using the em12c console and the experienced author team provides deep understanding of the inner workings of this new Enterprise Manager database administrators and system administrators are expected to offer increasing levels of service for 24x7 systems and newer cloud environments em12c offers robust end to end intelligent management of the complete environment. It includes direct real time integration with Oracle's Online Knowledgebase. Expert Oracle Enterprise Manager 12c helps you master this important tool and manage any challenge that comes your way. Provides example solutions to everyday problems through em12c features explain the changes in em12c. Included trusted extensions focus on advanced aspects of the em12c interface.
beginning sql server for developers is the perfect book for developers new to sql server and planning to create and deploy applications against microsoft's market leading database system for the windows platform. now in its fourth edition, the book is enhanced to cover the very latest developments in sql server including the in-memory features that are introduced in sql server 2014. within the book, there are plenty of examples of tasks that developers routinely perform. you'll learn how to make sound decisions resulting in scalable databases and maintainable code. sql server 2014 introduces in-memory tables and stored procedures. it's now possible to accelerate applications by creating tables and their indexes that reside entirely in memory and never on disk. these new in-memory structures differ from caching mechanisms of the past and make possible the extraordinarily swift execution of certain types of queries, such as are used in business intelligence applications. beginning sql server for developers helps you realize the promises of this new feature set while avoiding pitfalls that can occur when mixing in-memory tables and code with traditional disk-based tables and code. beginning sql server for developers takes you through the entire database development process from installing the software to creating a database to writing the code to connect to that database and move data in and out. by the end of the book, you'll be able to design and create solid and reliable database solutions using sql server.
deploy and manage it on the cloud performance tuning to get the best out of cockroachdb and how to scale data across continents and serve it locally in addition to this you'll get to grips with fault tolerance and auto rebalancing how indexes work and the cockroachdb admin ui the book will guide you in building scalable cloud services on top of cockroachdb covering administrative and security aspects and tips for troubleshooting performance enhancements and a brief guideline on migrating from traditional databases by the end of this book you'll have gained sufficient knowledge to manage your data on cockroachdb and interact with it from your application layer what you will learn become well versed with the overall architecture and design concepts of cockroachdbbunderstand how auto rebalancing of data can avoid performance bottlenecks get to know how cockroachdb achieves atomicity consistency isolation and durabilitypartition your data across multiple geolocations to ensure very low latency when serving datafind out how indexes are stored and the optimizations used to serve query results faster discover the key concepts of deploying and managing cockroachdb clusters who this book is for software engineers database developers database administrators and anyone who wishes to learn about the features of cockroachdb and how to build database solutions that are fast highly available and cater to business critical applications will find this book useful although no prior exposure to cockroachdb is required familiarity with database concepts will help you to get the most out of this book

**Federal Register 1998-12-09**

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 11g performance tuning recipes delivers oracle database 11g 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 written by a team of experienced database administrators successful in their careers

**Getting Started with CockroachDB 2022-03-11**

implement maintain and repair sql server 2012 databases as the most significant update since 2008 microsoft sql server 2012 boasts updates and new features that are critical to understand whether you manage and administer sql server 2012 or are planning to get your mcsa sql server 2012 certification this book is the perfect supplement to your learning and preparation from understanding sql server's roles to implementing business intelligence and reporting this practical book explores tasks and scenarios that a working sql server dba faces regularly and shows you step by step how to handle them includes practice exams and coverage of exam objectives for those seeking mcsa sql server 2012 certification explores the skills you'll need on the job as a sql server 2012 dba discusses designing and implementing database solutions walks you through administering maintaining and securing sql server 2012 includes implementing high availability and datadistribution includes bonus videos where the author walks you through some of the more difficult tasks expected of a dba featuring hands on exercises and real world scenarios this resource guides you through the essentials of implementing maintaining and repairing sql server 2012 databases

**Oracle Database 11g Performance Tuning Recipes 2011-10-18**

master database creation and management access 2019 bible is your comprehensive reference to the world's most popular database management tool with clear guidance toward everything from the basics to the advanced this go to reference helps you take advantage of everything access 2019 has to offer whether you're new to access or getting started with access 2019 you'll find everything you need to know to create the database solution perfectly tailored to your needs with expert guidance every step of the way the companion website features all examples and databases used in the book plus trial software and a special offer from database creations start from the beginning for a complete tutorial or dip in and grab what you need when you need it access enables database novices and programmers to store organize view analyze and share data as well as build powerful integrable custom database solutions but databases can be complex and difficult to navigate

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this book helps you harness the power of the database with a solid understanding of their purpose construction and application understand database objects and design systems objects build forms create tables manipulate datasheets and add data validation use visual basic automation and xml data access page design exchange data with other office applications including word excel and more from database fundamentals and terminology to xml and services this book has everything you need to maximize access 2019 and build the database you need

Microsoft SQL Server 2012 Administration 2013-06-03

do developers will particularly find the book useful for its coverage of transforming database result sets into json text that can be transmitted to front end web applications in a sql server database environment when it comes to revealing valuable insights within complex interconnected data such as demographics financial records or computer networks in graph databases in action experts dave bechberger and josh perryman illuminate the design and implementation of graph databases in real world applications you ll learn how to choose the right database solutions for your tasks and how to use your new knowledge to build agile flexible and high performing graph powered applications purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology isolated data is a thing of the past now data is connected and graph databases like amazon neptune microsoft cosmos db and neo4j are the essential tools of this new reality graph databases represent relationships naturally speeding the discovery of insights and driving business value about the book graph databases in action introduces you to graph database concepts by comparing them with relational database constructs you ll learn just enough theory to get started then progress to hands on development discover use cases involving social networking recommendation engines and personalization about the reader dave bechberger and josh perryman have decades of experience building complex data driven systems and have worked with graph databases since 2014 table of contents part 1 getting started with graph databases 1 introduction to graphs 2 graph data modeling 3 running basic and recursive traversals 4 pathfinding traversals and mutating graphs 5 formatting results 6 developing an application part 2 building on graph databases 7 advanced data modeling techniques 8 building traversals using known walks 9 working with subgraphs part 3 moving beyond the basics 10 performance pitfalls and antipatterns about the reader for software developers no experience with graph databases required about the reader dave bechberger and josh perryman have decades of experience building complex data driven systems and have worked with graph databases since 2014 table of contents part 1 getting started with graph databases 1 introduction to graphs 2 graph data modeling 3 running basic and recursive traversals 4 pathfinding traversals and mutating graphs 5 formatting results 6 developing an application part 2 building on graph databases 7 advanced data modeling techniques 8 building traversals using known walks 9 working with subgraphs part 3 moving beyond the basics 10 performance pitfalls and antipatterns about the reader for software developers no experience with graph databases required

Access 2019 Bible 2018-09-25

quickly find solutions to dozens of common problems encountered while using xml and json features that are built into sql server content is presented in the popular problem solution format look up the problem that you want to solve read the solution apply the solution directly in your own code problem solved this book shows how to take advantage of xml and json to share data and automate tasks json is commonly used to move data back and forth between the database and front end applications often running in a browser this book shows all you need to know about transforming query results into json format and back again also covered are the processes and techniques for moving data into and out of xml format for business intelligence and other purposes such as when transferring data from a reporting system into a data warehouse or between different database brands such as between sql server and oracle microsoft intensively implements xml in sql server and in many related products execution plans are generated in xml format and this book shows you how to parse those plans and automate the detection of performance problems the relatively new extended events feature writes tracing data into xml files and the recipes in this book help in parsing those files xml is also used in sql server s bi tool set including in ssis ssr and ssas xml is used in many configuration files and is even behind the construction of ddl triggers in reading this book you ll dive deeply into the features that allow you to build and parse xml and also json which is a specific format of xml used to transmit objects in a web friendly format between a database and its front end applications what you will learn build xml and json objects in support of automation and data transfer import and parse xml and json from operating system files build appropriate indexes on xml objects to improve query performance move data from query result sets into json format and back again automate the detection of database performance problems by querying and parsing the database s own execution plans replace external and manual json processes with sql server s internal json functionality who this book is for database administrators net developers business intelligence developers and other professionals who want a deep and detailed skill set around working with xml and json in a sql server database environment developers will particularly find the book useful for its coverage of transforming database result sets into json text that can be transmitted to front end web applications

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Graph Databases in Action 2020-10-17

mysql’s popularity has brought a flood of questions about how to solve specific problems and that’s where this cookbook is essential when you need quick solutions or techniques. This handy resource provides scores of short focused pieces of code. Hundreds of worked out examples and clear concise explanations for programmers who don’t have the time or expertise to solve MySQL problems from scratch. Ideal for beginners and professional database and web developers. This updated third edition covers powerful features in MySQL 5.6 and some in 5.7. The book focuses on programming APIs in Python, PHP, Java, Perl, and Ruby with more than 200 recipes. You’ll learn how to use the MySQL client and write MySQL-based programs. Create populate and select data from tables. Store retrieve and manipulate strings. Work with dates and times. Sort query results and generate summaries. Use stored routines, triggers, and scheduled events. Import export, validate, and reformat data. Perform transactions and work with statistics. Process web input and generate web content from query results. Use MySQL-based web session management. Provide security and server administration.

XML and JSON Recipes for SQL Server 2017-12-18

Explore expert techniques such as advanced indexing and high availability to build scalable, reliable, and fault-tolerant database applications using PostgreSQL. Key features include advanced PostgreSQL 13 concepts with the help of real-world datasets and examples. Leverage PostgreSQL’s indexing features to fine-tune the performance of your query set. Extend PostgreSQL’s functionalities to suit your organization’s needs with minimal effort. Book description: Thanks to its reliability, robustness, and high performance, PostgreSQL has become one of the most advanced open-source databases on the market. This updated fourth edition will help you understand PostgreSQL administration and how to build dynamic database solutions for enterprise apps with the latest release of PostgreSQL including designing both physical and technical aspects of the system architecture with ease. Starting with an introduction to the new features in PostgreSQL 13, this book will guide you in building efficient and fault-tolerant PostgreSQL apps. You’ll explore PostgreSQL features such as logical replication, database clusters, performance tuning, advanced indexing, monitoring, and user management to manage and maintain your database. You’ll then work with the PostgreSQL optimizer to configure PostgreSQL for high speed and move from Oracle to PostgreSQL. The book also covers transactions, locking and indexes, and shows you how to improve performance with query optimization. You’ll also focus on how to manage network security and work with backups and replication while exploring useful PostgreSQL extensions that optimize the performance of large databases. By the end of this PostgreSQL book, you’ll be able to get the most out of your database by executing advanced administrative tasks. What you’ll learn: Get well versed with advanced SQL functions in PostgreSQL 13. Get to grips with administrative tasks such as log file management and monitoring. Work with stored procedures and manage backup and recovery. Employ replication and failover techniques to reduce data loss. Perform database migration from Oracle to PostgreSQL with ease. Replicate PostgreSQL database systems to create backups and scale your database management. Improve server security to protect your data. Troubleshoot your PostgreSQL instance to find solutions to common and not so common problems. Who this book is for: This database administration book is for PostgreSQL developers and database administrators and professionals who want to implement advanced functionalities and master complex administrative tasks in PostgreSQL. Prior experience in PostgreSQL and familiarity with the basics of database administration will assist with understanding key concepts covered in the book.

MySQL Cookbook 2014-07-28

This comprehensive book guides readers through Microsoft’s brand new SQL Server 2005 administrator exam. Designing a database server infrastructure by using Microsoft SQL Server 2005 Exam 70443 addresses the database tasks that the MCITP exam focuses on such as design development, deployment optimization, maintenance, and support. Reviews key topics including defining high availability solutions, automating administrative tasks, defining security solutions, monitoring, and troubleshooting the database server. Much more the CD ROM features leading edge exam prep software with test engine plus hundreds of practice questions and electronic flashcards. Note: CD ROM is not included as part of ebook file.
Mastering PostgreSQL 13 2020-11-13

this easy to read textbook reference presents a comprehensive introduction to databases opening with a concise history of databases and of
data as an organisational asset as relational database management systems are no longer the only database solution the book takes a wider
view of database technology encompassing big data nosql object and object relational and in memory databases the text also examines the
issues of scalability availability performance and security encountered when building and running a database in the real world topics and
features presents review and discussion questions at the end of each chapter in addition to skill building hands on exercises introduces the
fundamental concepts and technologies in database systems placing these in an historic context describes the challenges faced by database
professionals reviews the use of a variety of database types in business environments discusses areas for further research within this fast
moving domain

MCITP Administrator 2006-09-19

design and administer enterprise grade mysql 8 solutions key features store retrieve and manipulate your data using the latest mysql 8
features practical recipes on effective administration in mysql with a focus on security performance tuning troubleshooting and more
contains tips tricks and best practices for designing developing and administering your mysql 8 database solution without any hassle book
description mysql is one of the most popular and widely used relational databases in the world today the recently released mysql 8 version
promises to be better and more efficient than ever before this book contains everything you need to know to be the go to person in your
organization when it comes to mysql starting with a quick installation and configuration of your mysql instance the book quickly jumps into
the querying aspects of mysql it shows you the newest improvements in mysql 8 and gives you hands on experience in managing high transaction
and real time datasets if you ve already worked with mysql before and are looking to migrate your application to mysql 8 this book will also
show you how to do that the book also contains recipes on efficient mysql administration with tips on effective user management data
recovery security database monitoring performance tuning troubleshooting and more with quick solutions to common and not so common problems
you might encounter while working with mysql 8 the book contains practical tips and tricks to give you the edge over others in designing
developing and administering your database effectively what you will learn install and configure your mysql 8 instance without any hassle
get to grips with new features of mysql 8 like cte window functions and many more perform backup tasks recover data and set up various
replication topologies for your database maximize performance by using new features of mysql 8 like descending indexes controlling query
optimizer and resource groups learn how to use general table space to suit the saas or multi tenant applications analyze slow queries using
performance schema sys schema and third party tools manage and monitor your mysql instance and implement efficient performance tuning tasks
who this book is for if you are a mysql developer or administrator looking for quick handy solutions to solve the most common and not so
common problems in mysql this book is for you mysql dbas looking to get up to speed with the latest mysql 8 development and administration
features will also find this book very useful prior knowledge of linux and rdbms is desirable

Concise Guide to Databases 2013-11-22

this book is your field guide to planning deploying managing and troubleshooting always on availability groups the always on availability
groups feature is an enterprise level solution for high availability and disaster recovery always on always on provides a rich set of options that
reduce overhead and resource usage and enable database administrators to implement and manage high availability and disaster recovery
solutions far more easily than by implementing the log shipping and database mirroring solutions of the past pro sql server always on
availability groups show how to reduce downtime maximize application availability and provide data protection the goal is always to have
your sql server databases up and running whenever you need them rain or shine disaster or otherwise with a focus on real world experiences
and war stories authors uttam parui and vivek sanil offer you tips tricks and best practices for architecting and deploying availability
ability groups the confidence required to manage and monitor availability groups techniques to troubleshoot common issues that you may face during
and after deploying availability groups in a mission critical production environment what you will learn grasp important concepts underlying
high availability and disaster recovery plan and deploy always on availability groups in your corporate environment manage availability
ability groups to ensure constant readiness and high throughput monitor availability group performance and troubleshoot problems fast build on the
cloud and make windows azure part of your availability solution employ proven techniques and best practices as tested and shared by the
authors audience pro sql server always on availability groups is aimed at sql server architects database administrators and it professionals
who are tasked with architecting and deploying a high availability and disaster recovery solution involving microsoft sql server this book
is also for sql server support staff who will be managing and supporting existing availability group deployments

MySQL 8 Cookbook 2018-01-25

Pro SQL Server Always On Availability Groups 2016-10-24