
Oracle Big Data Handbook Oracle Press

Data Mesh
 From Implementation to Troubleshooting
 Oracle Data Guard 11g Handbook
 Dynamic Oracle Performance Analytics
 Oracle Big Data Handbook
 Delivering Data-Driven Value at Scale
 Hands-On for Developers and Technical Professionals
 Machine Learning
 Hadoop and Oracle: The Why, When & How Guide
 A Practical Guide to Apache Kudu, Impala, and Spark
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 Using R to Unlock the Value of Big Data: Big Data Analytics with Oracle R Enterprise and Oracle R Connector for Hadoop
 Oracle 12c For Dummies
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 Master Competitive Analytics with Oracle Endeca Information Discovery
 A Hands-On Tutorial
 Enterprise Information Architecture for A New Age
 Crafting Interpreters
 Using Normalized Metrics to Improve Database Speed

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YU DICKERSON

Oracle Big Data Handbook
 Master the Big Data Capabilities of Oracle R Enterprise Effectively manage your enterprise's big data and keep complex processes running smoothly using the hands-on information contained in this Oracle Press guide. Oracle R Enterprise: Harnessing the Power of R in Oracle Database shows, step-by-step, how to create and execute large-scale predictive analytics and maintain superior performance. Discover how to explore and prepare your data, accurately model business processes, generate sophisticated graphics, and write and deploy powerful scripts. You will also find out how to effectively incorporate Oracle R Enterprise features in APEX applications,

OBIEE dashboards, and Apache Hadoop systems. Learn to: • Install, configure, and administer Oracle R Enterprise • Establish connections and move data to the database • Create Oracle R Enterprise packages and functions • Use the R language to work with data in Oracle Database • Build models using ODM, ORE, and other algorithms • Develop and deploy R scripts and use the R script repository • Execute embedded R scripts and employ ORE SQL API functions • Map and manipulate data using Oracle R Advanced Analytics for Hadoop • Use ORE in Oracle Data Miner, OBIEE, and other applications
Data Mesh McGraw Hill Professional
 The cult-y pocket-size field guide to the strange and intriguing secrets of the Mojave—its myths and legends, outcasts and oddballs, flora, fauna, and UFOs—becomes the definitive, oracular

book of the desert For the past five years, Desert Oracle has existed as a quasi-mythical, quarterly periodical available to the very determined only by subscription or at the odd desert-town gas station or the occasional hipster boutique, its canary-yellow-covered, forty-four-page issues handed from one curious desert zealot to the next, word spreading faster than the printers could keep up with. It became a radio show, a podcast, a live performance. Now, for the first time—and including both classic and new, never-before-seen revelations—Desert Oracle has been bound between two hard covers and is available to you. Straight out of Joshua Tree, California, Desert Oracle is “The Voice of the Desert”: a field guide to the strange tales, singing sand dunes, sagebrush trails, artists and aliens, authors and oddballs, ghost towns and modern legends, musicians and mystics,

scorpions and saguaros, out there in the sand. Desert Oracle is your companion at a roadside diner, around a campfire, in your tent or cabin (or high-rise apartment or suburban living room) as the wind and the coyotes howl outside at night. From journal entries of long-deceased adventurers to stray railroad ad copy, and musings on everything from desert flora, rumored cryptid sightings, and other paranormal phenomena, Ken Layne's Desert Oracle collects the weird and the wonderful of the American Southwest into a single, essential volume.

From Implementation to Troubleshooting
Packt Publishing Ltd

Master Oracle NoSQL Database Enable highly reliable, scalable, and available data. Oracle NoSQL Database: Real-Time Big Data Management for the Enterprise shows you how to take full advantage of this cost-effective solution for storing, retrieving, and updating high-volume, unstructured data. The book covers installation, configuration, application development, capacity planning and sizing, and integration with other enterprise data center products. Real-world examples illustrate the concepts presented in this Oracle Press guide. Understand Oracle NoSQL Database architecture and the underlying data storage engine, Oracle Berkeley DB Install and configure Oracle NoSQL Database for optimal performance Develop complex, distributed applications using a rich set of APIs Read and write data into the Oracle NoSQL Database key-value store Apply an Avro schema to the value portion of the key-value pair using Avro bindings Learn best practices for capacity planning and sizing an enterpriselevel Oracle NoSQL Database deployment Integrate Oracle NoSQL Database with Oracle Database, Oracle Event Processing, and Hadoop Code examples from the book are available for download at www.OraclePressBooks.com.

Oracle Data Guard 11g Handbook

McGraw Hill Professional

Oracle Endeca Information Discovery Best Practices Maximize the powerful capabilities of this self-service enterprise data discovery platform. Master Competitive Analytics with Oracle Endeca Information Discovery reveals how to unlock insights from any type of data, regardless of structure. The first part of the book is a complete technical guide to the product's architecture, components, and implementation. The second part presents a comprehensive collection of business analytics use cases in various industries, including financial services, healthcare, research, manufacturing,

retail, consumer packaged goods, and public sector. Step-by-step instructions on implementing some of these use cases are included in this Oracle Press book. Install and manage Oracle Endeca Server Design Oracle Endeca Information Discovery Studio visualizations to facilitate user-driven data exploration and discovery Enable enterprise-driven data exploration with Oracle Endeca Information Discovery Integrator Develop and implement a fraud detection and analysis application Build a healthcare correlation application that integrates claims, patient, and operations analysis; partners; clinical research; and remote monitoring Use an enterprise architecture approach to incrementally establish big data and analytical capabilities

Dynamic Oracle Performance

Analytics Genever Benning

Despite using them every day, most software engineers know little about how programming languages are designed and implemented. For many, their only experience with that corner of computer science was a terrifying "compilers" class that they suffered through in undergrad and tried to blot from their memory as soon as they had scribbled their last NFA to DFA conversion on the final exam. That fearsome reputation belies a field that is rich with useful techniques and not so difficult as some of its practitioners might have you believe. A better understanding of how programming languages are built will make you a stronger software engineer and teach you concepts and data structures you'll use the rest of your coding days. You might even have fun. This book teaches you everything you need to know to implement a full-featured, efficient scripting language. You'll learn both high-level concepts around parsing and semantics and gritty details like bytecode representation and garbage collection. Your brain will light up with new ideas, and your hands will get dirty and calloused. Starting from main(), you will build a language that features rich syntax, dynamic typing, garbage collection, lexical scope, first-class functions, closures, classes, and inheritance. All packed into a few thousand lines of clean, fast code that you thoroughly understand because you wrote each one yourself.

Oracle Big Data Handbook CRC Press

Transform Big Data into Insight "In this book, some of Oracle's best engineers and architects explain how you can make use of big data. They'll tell you how you can integrate your existing Oracle solutions with big data systems, using each where appropriate and moving data between them as needed." -- Doug Cutting, co-

creator of Apache Hadoop Cowritten by members of Oracle's big data team, Oracle Big Data Handbook provides complete coverage of Oracle's comprehensive, integrated set of products for acquiring, organizing, analyzing, and leveraging unstructured data. The book discusses the strategies and technologies essential for a successful big data implementation, including Apache Hadoop, Oracle Big Data Appliance, Oracle Big Data Connectors, Oracle NoSQL Database, Oracle Endeca, Oracle Advanced Analytics, and Oracle's open source R offerings. Best practices for migrating from legacy systems and integrating existing data warehousing and analytics solutions into an enterprise big data infrastructure are also included in this Oracle Press guide. Understand the value of a comprehensive big data strategy Maximize the distributed processing power of the Apache Hadoop platform Discover the advantages of using Oracle Big Data Appliance as an engineered system for Hadoop and Oracle NoSQL Database Configure, deploy, and monitor Hadoop and Oracle NoSQL Database using Oracle Big Data Appliance Integrate your existing data warehousing and analytics infrastructure into a big data architecture Share data among Hadoop and relational databases using Oracle Big Data Connectors Understand how Oracle NoSQL Database integrates into the Oracle Big Data architecture Deliver faster time to value using in-database analytics Analyze data with Oracle Advanced Analytics (Oracle R Enterprise and Oracle Data Mining), Oracle R Distribution, ROracle, and Oracle R Connector for Hadoop Analyze disparate data with Oracle Endeca Information Discovery Plan and implement a big data governance strategy and develop an architecture and roadmap

Delivering Data-Driven Value at Scale

Packt Publishing Ltd

Up-to-date, comprehensive coverage of the Oracle database and business intelligence tools Written by a team of Oracle insiders, this authoritative book provides you with the most current coverage of the Oracle data warehousing platform as well as the full suite of business intelligence tools. You'll learn how to leverage Oracle features and how those features can be used to provide solutions to a variety of needs and demands. Plus, you'll get valuable tips and insight based on the authors' real-world experiences and their own implementations. Avoid many common pitfalls while learning best practices for: Leveraging Oracle technologies to design, build, and manage data warehouses Integrating specific database and business

intelligence solutions from other vendors Using the new suite of Oracle business intelligence tools to analyze data for marketing, sales, and more Handling typical data warehouse performance challenges Uncovering initiatives by your business community, security business sponsorship, project staffing, and managing risk

Hands-On for Developers and Technical Professionals O'Reilly Media, Incorporated

Learn the ins and outs of the Industrial Internet of Things through subjects ranging from its history and evolution, right up to what the future holds. About This Book Define solutions that can connect existing systems and newer cloud-based solutions to thousands of thousands of edge devices and industrial machines Identify, define, and justify Industrial Internet of Things (IIoT) projects, and design an application that can connect to and control thousands of machines Leverage the power and features of a platform to monitor, perform analytics, and maintain the Industrial Internet Who This Book Is For Architects who are interested in learning how to define solutions for the Industrial Internet will benefit immensely from this book. Relevant architect roles include enterprise architects, business architects, information architects, cloud solution architects, software architects, and others. The content is also relevant for technically inclined line of business leaders investing in these solutions. What You Will Learn Learn the history of the Industrial Internet and why an architectural approach is needed Define solutions that can connect to and control thousands of edge devices and machines Understand the significance of working with line of business leadership and key metrics to be gathered Connect business requirements to the functional architecture Gain the right expectation as to the capabilities of Industrial Internet applications and how to assess them Understand what data and analytics components should be included in your architecture solution Understand deployment trade-offs, management and security considerations, and the impact of emerging technologies In Detail The Industrial Internet or the IIoT has gained a lot of traction. Many leading companies are driving this revolution by connecting smart edge devices to cloud-based analysis platforms and solving their business challenges in new ways. To ensure a smooth integration of such machines and devices, sound architecture strategies based on accepted principles, best practices, and lessons learned must be applied. This book begins by providing

a bird's eye view of what the IIoT is and how the industrial revolution has evolved into embracing this technology. It then describes architectural approaches for success, gathering business requirements, and mapping requirements into functional solutions. In a later chapter, many other potential use cases are introduced including those in manufacturing and specific examples in predictive maintenance, asset tracking and handling, and environmental impact and abatement. The book concludes by exploring evolving technologies that will impact IIoT architecture in the future and discusses possible societal implications of the Industrial Internet and perceptions regarding these projects. By the end of this book, you will be better equipped to embrace the benefits of the burgeoning IIoT. Style and approach This book takes a comprehensive approach to the Industrial Internet, thoroughly acquainting the reader with the concepts and philosophy of the IIoT. It provides a basis for defining an IIoT solution in a thoughtful manner and creating what will be viewed as a successful project.

Machine Learning McGraw Hill Professional

The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

Hadoop and Oracle: The Why, When & How Guide Apress

The Oracle Press Guide to Big Data Analytics using R Cowritten by members of the Big Data team at Oracle, this Oracle Press book focuses on analyzing data with R while making it scalable using Oracle's R technologies. Using R to Unlock the Value of Big Data provides an introduction to open source R and describes issues with traditional R and database interaction. The book then offers in-depth coverage of Oracle's strategic R offerings: Oracle R Enterprise, Oracle R Distribution, ROracle, and Oracle R Connector for Hadoop. You can practice your new skills using the end-of-chapter exercises.

A Practical Guide to Apache Kudu, Impala, and Spark John Wiley & Sons

Enterprise Information Architecture for a New Age: Big Data and The Internet of Things, provides guidance in designing an information architecture to accommodate increasingly large amounts of data, massively large amounts of data, not only from traditional sources, but also from novel sources such everyday objects that are fast becoming wired into global Internet. No business can afford to be caught out by missing the value to be mined from the increasingly large

amounts of available data generated by everyday devices. The text provides background as to how analytical solutions and enterprise architecture methodologies and concepts have evolved (including the roles of data warehouses, business intelligence tools, predictive analytics, data discovery, Big Data, and the impact of the Internet of Things). Then you're taken through a series of steps by which to define a future state architecture and create a plan for how to reach that future state. Enterprise Information Architecture for a New Age: Big Data and The Internet of Things helps you gain an understanding of the following: Implications of Big Data from a variety of new data sources (including data from sensors that are part of the Internet of Things) upon an information architecture How establishing a vision for data usage by defining a roadmap that aligns IT with line-of-business needs is a key early step The importance and details of taking a step-by-step approach when dealing with shifting business challenges and changing technology capabilities How to mitigate risk when evaluating existing infrastructure and designing and deploying new infrastructure Enterprise Information Architecture for a New Age: Big Data and The Internet of Things combines practical advice with technical considerations. Author Robert Stackowiak and his team are recognized worldwide for their expertise in large data solutions, including analytics. Don't miss your chance to read this book and gain the benefit of their advice as you look forward in thinking through your own choices and designing your own architecture to accommodate the burgeoning explosion in data that can be analyzed and converted into valuable information to drive your business forward toward success.

A Practical Guide for Architecture, Design, and Implementation McGraw-Hill Education

Database developers and administrators will use this book to learn how to deploy machine learning models in Oracle Database and in Oracle's Autonomous Database cloud offering. The book covers the technologies that make up the Oracle Machine Learning (OML) platform, including OML4SQL, OML Notebooks, OML4R, and OML4Py. The book focuses on Oracle Machine Learning as part of the Oracle Autonomous Database collaborative environment. Also covered are advanced topics such as delivery and automation pipelines. Throughout the book you will find practical details and hand-on examples showing you how to implement machine learning and

automate deployment of machine learning. Discussion around the examples helps you gain a conceptual understanding of machine learning. Important concepts discussed include the methods involved, the algorithms to choose from, and mechanisms for process and deployment. Seasoned database professionals looking to make the leap into machine learning as a growth path will find much to like in this book as it helps you step up and use your current knowledge of Oracle Database to transition into providing machine learning solutions. What You Will Learn Use the Oracle Machine Learning (OML) Notebooks for data visualization and machine learning model building and evaluation Understand Oracle offerings for machine learning Develop machine learning with Oracle database using the built-in machine[[YK1](#)] learning packages Develop and deploy machine learning models using OML4SQL and OML4R Leverage the Oracle Autonomous Database and its collaborative environment for Oracle Machine Learning Develop and deploy machine learning projects in Oracle Autonomous Database Build an automated pipeline that can detect and handle changes in data/model performance Who This Book Is For Database developers and administrators who want to learn about machine learning, developers who want to build models and applications using Oracle Database's built-in machine learning feature set, and administrators tasked with supporting applications on Oracle Database that make use of the Oracle Machine Learning feature set

When Change Is the Only Constant
McGraw Hill Professional

Master Oracle Data Guard 11g Provide superior data protection, availability, and disaster recovery using the tested techniques in this Oracle Press guide. Cowritten by a team of Oracle experts, Oracle Data Guard 11g Handbook provides a sound architectural foundation along with best practices for configuration, monitoring, maintenance, and troubleshooting. You will get full details on implementing deployment architectures to address requirements that extend beyond disaster recovery. This invaluable resource also includes a complete set of monitoring scripts available for download. Develop a disaster recovery plan for your Oracle database to meet your organization's requirements Configure and deploy Oracle Data Guard for your environment Tune and troubleshoot your physical and logical standby databases Implement the Oracle Data Guard Broker management framework Integrate with Oracle Grid Control Monitor your Oracle Data Guard

environment Enable read-only services and disaster recovery with Oracle Active Data Guard Configure seamless database and application failover Minimize planned downtime using Oracle Data Guard switchover Handle backup and recovery with Oracle Recovery Manager

Oracle PL/SQL Programming McGraw-Hill Companies

Big data is now a reality: The volume, variety and velocity of data coming into your organization continue to reach unprecedented levels. This phenomenal growth means that not only must you understand big data in order to decipher the information that truly counts, but you also must understand the possibilities of what you can do with big data analytics. Using big data analytics you can extract only the relevant information from terabytes, petabytes and exabytes, and analyze it to transform your business decisions for the future. Becoming proactive with big data analytics isn't a one-time endeavor; it is more of a culture change - a new way of gaining ground by freeing your analysts and decision makers to meet the future with sound knowledge and insight. On the other hand, business intelligence (BI) provides standard business reports, ad hoc reports, OLAP and even alerts and notifications based on analytics. This ad hoc analysis looks at the static past, which has its purpose in a limited number of situations. Oracle support for big data implementations, including Hadoop. through Oracle and Hadoop is possible work in all steps of Analytical Process: Identify/formulate Problem, Data Preparation, Data Exploration, Transform and select, Build Model, Validate model, Deploy Model and Evaluate/Monitor Results. This book presents the work possibilities that Oracle offers in the modern sectors of Big Data, Business Intelligence and Analytics. The most important tools of Oracle are presented for processing and analyzing large volumes of data in an orderly manner. In turn, these tools allow also extract the knowledge contained in the data. The most important content of the book is as follows: BIG DATA CONCEPTS HADOOP BUILDING A BIG DATA PLATFORM HADOOP COMPONENTS GET DATA INTO HADOOP PRIME BUSINESS APPLICATIONS FOR HADOOP HADOOP CHALLENGES ORACLE BIG DATA APPLIANCE ORACLE BIG DATA APPLIANCE BASIC CONFIGURATION AUTO SERVICE REQUEST (ASR) ORACLE ENGINEERED SYSTEMS FOR BIG DATA SOFTWARE FOR BIG DATA HADOOP DISTRIBUTED FILE SYSTEM APACHE HIVE ORACLE NOSQL DATABASE ORGANIZING BIG DATA MAPREDUCE ORACLE BIG DATA

CONNECTORS ORACLE R ADVANCED ANALYTICS FOR HADOOP ORACLE R SUPPORT FOR BIG DATA ANALYZING AND VISUALIZING BIG DATA ORACLE BUSINESS INTELLIGENCE FOUNDATION SUITE OLAP ANALYTICS MOBILE BI ORACLE BIG DATA LITE VIRTUAL MACHINE ADMINISTERING ORACLE BIG DATA APPLIANCE MONITORING MULTIPLE CLUSTERS USING ORACLE ENTERPRISE MANAGER MANAGING OPERATIONS USING CLOUDERA MANAGER USING HADOOP MONITORING UTILITIES USING CLOUDERA HUE TO INTERACT WITH HADOOP STOPPING AND STARTING ORACLE BIG DATA APPLIANCE MANAGING ORACLE BIG DATA SQL SECURITY ON ORACLE BIG DATA APPLIANCE AUDITING ORACLE BIG DATA APPLIANCE ORACLE BIG DATA SQL ON HADOOP SMART SCAN FOR HADOOP ORACLE SQL DEVELOPER & DATA MODELER SUPPORT FOR ORACLE BIG DATA SQL USING ORACLE BIG DATA SQL FOR DATA ACCESS INSTALLING ORACLE BIG DATA SQL CREATING EXTERNAL TABLES FOR ACCESSING BIG DATA ABOUT DATA TYPE CONVERSIONS QUERYING EXTERNAL TABLES ABOUT ORACLE BIG DATA SQL ON ORACLE EXADATA DATABASE MACHINE HIVE USER DEFINED FUNCTIONS (UDFS) ORACLE NO SQL

Big Data Analytics with Oracle McGraw Hill Professional

This book teaches the basics of Oracle GoldenGate, which is a product that is used to simplify the process of Oracle Database Replication. GoldenGate can be used for reporting, failover, high availability, live reporting, data warehousing, and BigData ETL process, as well as connecting to multiple other data sources outside of Oracle Database such as SQL Server, MySQL, Teradata, PostgreSQL, and many others. The purpose of GoldenGate and its popularity is its ability to make the highly complex architecture of database replication into a much more simplistic task. This book teaches the reader how to use Oracle GoldenGate, from installation to troubleshooting.

Oracle Big Data Handbook John Wiley & Sons

Written by experienced Oracle insiders, this essential guide distills a vast amount of information into an easy-to-read volume that covers every aspect of the Oracle database. Readers of all technical levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning and much more. Augmented with illustrations and helpful hints, the fifth edition of Oracle Essentials offers a valuable one-stop overview of

Oracle Database 12c, Oracle's newest database release. More comprehensible than huge complete references, and more detailed than most primers, this book gives current Oracle users the conceptual background they need to understand how the Oracle database truly works. For those new to Oracle, this all-in-one guide provides an essential introduction that will get them up to speed.

Using R to Unlock the Value of Big Data: Big Data Analytics with Oracle R Enterprise and Oracle R Connector for Hadoop
"O'Reilly Media, Inc."

This Oracle-authorized handbook explains how to tune Oracle applications systems for maximum efficiency. Written by a Senior Principal of the Oracle Applications Performance Group, the book offers the latest expert techniques and covers Oracle Applications Smart Client through Release 11i.

Oracle 12c For Dummies McGraw Hill Professional

Explores Oracle's implementation of SQL and explains how to perform tasks including querying time-based data, implementing conditional logic in queries, writing queries, and joining data from two

or more tables.

Handbook of Research on Big Data Storage and Visualization Techniques
"O'Reilly Media, Inc."

Organizations increasingly need to deal with unstructured processes that traditional business process management (BPM) suites are not designed to deal with. High-risk, yet high-value, loan origination or credit approvals, police investigations, and healthcare patient treatment are just a few examples of areas where a level of uncertainty makes outc

High Performance Oracle Data Warehousing O'Reilly Media

Security in a relational database management system is complex, and too few DBAs, system administrators, managers, and developers understand how Oracle implements system and database security. This book gives you the guidance you need to protect your databases. Oracle security has many facets: Establishing an organization's security policy and plan Protecting system files and passwords Controlling access to database objects (tables, views, rows, columns, etc.) Building appropriate user profiles, roles, and privileges Monitoring system access via audit trails Oracle

Securitydescribes how these basic database security features are implemented and provides many practical strategies for securing Oracle systems and databases. It explains how to use the Oracle Enterprise Manager and Oracle Security Server to enhance your site's security, and it touches on such advanced security features as encryption, Trusted Oracle, and various Internet and World Wide Web protection strategies. A table of contents follows: Preface Part I: Security in an Oracle System Oracle and Security Oracle System Files Oracle Database Objects The Oracle Data Dictionary Default Roles and User Accounts Profiles, Passwords, and Synonyms Part II: Implementing Security Developing a Database Security Plan Installing and Starting Oracle Developing a Simple Security Application Developing an Audit Plan Developing a Sample Audit Application Backing Up and Recovering a Database Using the Oracle Enterprise Manager Maintaining User Accounts Part III: Enhanced Oracle Security Using the Oracle Security Server Using the Internet and the Web Using Extra-Cost Options Appendix A. References

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