

Oracle White Paper

Using the same strategy for the needs of image processing and pattern recognition, scientists and researchers have turned to computational intelligence for better research throughputs and end results applied towards engineering, science, business and financial applications. Handbook of Research on Computational Intelligence for Engineering, Science, and Business discusses the computation intelligence approaches, initiatives and applications in the engineering, science and business fields. This reference aims to highlight computational intelligence as no longer limited to computing-related disciplines and can be applied to any effort which handles complex and meaningful information. Readings and Cases in Information Security: Law and Ethics provides a depth of content and analytical viewpoint not found in many other books. Designed for use with any Cengage Learning security text, this resource offers readers a real-life view of information security management, including the ethical and legal issues associated with various on-the-job experiences. Included are a wide selection of foundational readings and scenarios from a variety of experts to give the reader the most realistic perspective of a career in information security. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Linux and Solaris Recipes for Oracle DBAs, 2nd Edition is an example-based book on managing Oracle Database under Linux and Solaris. The book is written for database administrators who need to get work done and lack the luxury of curling up fireside with a stack of operating-system documentation. What this book provides instead is task-oriented coverage designed around the needs of the Oracle Database Administrator. Find the right chapter. Look up the task to perform. See the solution. Implement the solution straight away in your own environment. Get the job done. New in this edition is coverage of Oracle's own Solaris operating system. Oracle Corporation has been working diligently to bring commonality between Solaris and Linux, and this book takes advantage of those efforts to provide task-oriented solutions that work on common distributions of Linux such as Red Hat Enterprise Linux and Oracle Enterprise Linux while also accommodating the growing number of Oracle Solaris customers. Examples in the book match the tasks DBAs perform daily, even hourly. Solutions come first in the book, but always are followed by close explanations of the details. Database administrators won't go wrong with Linux and Solaris Recipes for Oracle DBAs. It's the book to buy if you're after clear and reliable examples to help in getting the job done, and getting home to your family. Takes you directly from problem to solution Covers the "right" mix of operating-system tasks for database administrators Respects your time by being succinct and to-the-point Includes coverage of Solaris in addition to common Linux distributions What You Will Learn Execute Linux and Solaris commands applicable to Oracle Database. Automate critical DBA tasks via operating-system shell scripts. Monitor, tune, and optimize Linux and Solaris servers for Oracle. Setup a VirtualBox environment for the Oracle database. Perform system administration tasks relevant to Oracle Database. Remotely (and securely!) manage Oracle on Linux and Solaris. Who This Book Is For Linux and Solaris Recipes for Oracle DBAs is a book for Oracle database administrators who want to expertly operate Oracle databases on the Linux and Solaris operating systems. If you're new to Linux and Solaris and can benefit from detailed examples showing how to perform tasks that Oracle DBAs perform on Linux and Solaris servers, then this book is what you need to help you get the job done, and get home on time.

As threats to the security of information pervade the fabric of everyday life, A Vulnerable System describes how, even as the demand for information security increases, the needs of society are not being met. The result is that the confidentiality of our personal data, the integrity of our elections, and the stability of foreign relations between countries are increasingly at risk. Andrew J. Stewart convincingly shows that emergency software patches and new security products cannot provide the solution to threats such as computer hacking, viruses, software vulnerabilities, and electronic spying. Profound underlying structural problems must first be understood, confronted, and then addressed. A Vulnerable System delivers a long view of the history of information security, beginning with the creation of the first digital computers during the Cold War. From the key institutions of the so-called military industrial complex in the 1950s to Silicon Valley start-ups in the 2020s, the relentless pursuit of new technologies has come at great cost. The absence of knowledge regarding the history of information security has caused the lessons of the past to be forsaken for the novelty of the present, and has led us to be collectively unable to meet the needs of the current day. From the very beginning of the information age, claims of secure systems have been crushed by practical reality. The myriad risks to technology, Stewart reveals, cannot be addressed without first understanding how we arrived at this moment. A Vulnerable System is an enlightening and sobering history of a topic that affects crucial aspects of our lives.

For more than 2,000 years, between 1500 BCE and 600 CE, the Egyptian processional oracle was one of the main points of contact between temple-based religion and the general population. In a public ceremony, a god would indicate its will or answer questions through the movements of a portable cult statue borne by priests or important members of the community. The Egyptian Oracle Project is an interactive performance that adapts this ceremony to serve as the basis for a mixed-reality educational experience for children and young adults, using both virtual reality and live performance. The scene is set in a virtual Egyptian temple projected onto a wall. An oracle led by a high priest avatar (controlled by a live human puppeteer) is brought into the presence of a live audience, who act in the role of the Egyptian populace. Through the mediation of an actress, the audience interacts with the avatar, recreating the event. The series of carefully focused essays in this book provides vital background to this path-breaking project in three sections. After a brief introduction to educational theatre and virtual reality, the first section describes the ancient ceremony and its development, along with cross-cultural connections. Then the development of the script and its performance in the context of mixed-reality and educational theatre are examined. The final set of essays describes the

virtual temple setting in more detail and explores the wider implications of this project for virtual heritage.

The recent explosion of digital media, online networking, and e-commerce has generated great new opportunities for those Internet-savvy individuals who see potential in new technologies and can turn those possibilities into reality. It is vital for such forward-thinking innovators to stay abreast of all the latest technologies. *Web-Based Services: Concepts, Methodologies, Tools, and Applications* provides readers with comprehensive coverage of some of the latest tools and technologies in the digital industry. The chapters in this multi-volume book describe a diverse range of applications and methodologies made possible in a world connected by the global network, providing researchers, computer scientists, web developers, and digital experts with the latest knowledge and developments in Internet technologies.

As businesses are continuously developing new services, procedures, and standards, electronic business has emerged into an important aspect of the science field by providing various applications through efficiently and rapidly processing information among business partners. *Research and Development in E-Business through Service-Oriented Solutions* highlights the main concepts of e-business as well as the advanced methods, technologies, and aspects that focus on technical support. This book is an essential reference source of professors, students, researchers, developers, and other industry experts in order to provide a vast amount of specialized knowledge sources for promoting e-business.

Expert Oracle Exadata, 2nd Edition opens up the internals of Oracle's Exadata platform so that you can fully benefit from the most performant and scalable database hardware appliance capable of running Oracle Database. This edition is fully-updated to cover Exadata 5-2 and Oracle Database 12c. If you're new to Exadata, you'll soon learn that it embodies a change in how you think about and manage relational databases. A key part of that change lies in the concept of offloading SQL processing to the storage layer. In addition there is Oracle's engineering effort in creating a powerful platform for both consolidation and transaction processing. The resulting value proposition in the form of Exadata has truly been a game-changer. *Expert Oracle Exadata, 2nd Edition* provides a look at the internals and how the combination of hardware and software that comprise Exadata actually work. Authors include Martin Bach, Andy Colvin, and Frits Hoogland, with contributions from Karl Arao, and built on the foundation laid by Kerry Osborne, Randy Johnson, and Tanel Poder in the first edition. They share their real-world experience gained through a great many Exadata implementations, possibly more than any other group of experts today. Always their goal is toward helping you advance your career through success with Exadata in your own environment. This book is intended for readers who want to understand what makes the platform tick and for whom—"how" it does what it does is as important as what it does. By being exposed to the features that are unique to Exadata, you will gain an understanding of the mechanics that will allow you to fully benefit from the advantages that the platform provides. This book changes how you think about managing SQL performance and processing. It provides a roadmap to successful Exadata implementation. And it removes the "black box" mystique. You'll learn how Exadata actually works and be better able to manage your Exadata engineered systems in support of your business. This book: Changes the way you think about managing SQL performance and processing Provides a roadmap to successful Exadata implementation Removes the "black box" mystique, showing how Exadata actually works

The four volume set LNCS 9489, LNCS 9490, LNCS 9491, and LNCS 9492 constitutes the proceedings of the 22nd International Conference on Neural Information Processing, ICONIP 2015, held in Istanbul, Turkey, in November 2015. The 231 full papers presented were carefully reviewed and selected from 375 submissions. The 4 volumes represent topical sections containing articles on Learning Algorithms and Classification Systems; Artificial Intelligence and Neural Networks: Theory, Design, and Applications; Image and Signal Processing; and Intelligent Social Networks.

The ubiquity of technology has not only brought the need for computer knowledge to every aspect of the modern business world; it has also increased our need to safely store the data we are now creating at a rate never experienced before. *Delivery and Adoption of Cloud Computing Services in Contemporary Organizations* brings together the best practices for storing massive amounts of data. Highlighting ways cloud services can work effectively in production and in real time, this book is an essential reference source for professionals and academics of various disciplines, such as computer science, consulting, information technology, information and communication sciences, healthcare, and finance.

This cookbook is full of immediately useable recipes showing you the advanced development techniques when building Essbase Applications and how to take these applications further. This cookbook offers practical, task-based, and immediately usable recipes covering a wide range of advanced development techniques to build Essbase Applications and take them further. In addition to its cookbook style, which ensures the solutions are presented in a clear step-by-step manner, its explanations go into great detail, which makes it good learning material for everyone who has experience in Essbase and wants to improve. The book is designed in such a way that you can either read it chapter by chapter or refer to recipes that you want in no particular order. If you are an experienced Essbase developer, Essbase Database Designer or Database Administrator, then this book is for you. This book assumes that you have good knowledge of Oracle Essbase.

[Administration (référence électronique) ; informatique].

CodeNotes provides the most succinct, accurate, and speedy way for a developer to ramp up on a new technology or language. Unlike other programming books, CodeNotes drills down to the core aspects of a technology, focusing on the key elements needed in order to implement it immediately. It is a unique resource for developers, filling the gap between comprehensive manuals and pocket references.

Through real-world examples of PL/SQL queries, stored procedures, triggers, indexing, and more, *CodeNotes for Oracle 9i* illustrates the complete Oracle database framework, PL/SQL, security, administration, and optimization. Oracle's integration with Java and support for XML are extensively covered. This edition of CodeNotes includes: • A global overview of this technology and explanation of what problems it can be used to solve • Real-world examples • "How and Why" and "Bugs and Caveats" sections that provide hints, tricks, workarounds, and tips on what should be taken advantage of or avoided • "Design Notes" illustrating many of the common use patterns for Java programs • Instructions and classroom-style tutorials throughout from expert trainers and software developers Visit www.codenotes.com for updates, source code templates, access to message boards, and discussion of specific problems with CodeNotes authors and other developers. Join our nonfiction newsletter by sending a blank e-mail to: join-rht-nonfiction@list.randomhouse.com or visit www.atrandom.com Every CodeNotes title is written and reviewed by a team of commercial software developers and technology experts. See "About the Authors" at the front of the book for more information.

Workflow is Oracle's E-Business Suite tool for modeling business processes. Workflow combines procedures performed by the computer with a system of notifications that allow humans to better direct the computer how to proceed. This book provides a very thorough explanation of the various components of Workflow. You'll learn step by step how to develop and test custom Workflows, and how to administer Workflow using OAM, the Workflow Management screens, and Oracle Diagnostics. This book also explains how the underlying tables store the data generated by Workflow, and how to perform the setups required for a few of the most commonly used Oracle Workflows. The book also includes SQL scripts and sample procedures that we use at Solution Beacon to assess and solve Workflow problems, as well as DBA topics like cloning considerations and partitioning Workflow objects.

Beginning Oracle Database 12c Administration is your entry point into a successful and satisfying career as an Oracle Database Administrator. The chapters of this book are logically organized into four parts closely tracking the way your database administration career will naturally evolve. Part 1 "Database Concepts" gives necessary background in relational database theory and Oracle Database concepts, Part 2 "Database Implementation" teaches how to implement an Oracle database correctly, Part 3 "Database Support" exposes you to the daily routine of a database administrator, and Part 4 "Database Tuning" introduces the fine art of performance tuning. Beginning Oracle Database 12c Administration provides information that you won't find in other books on Oracle Database. You'll discover not only technical information, but also guidance on work practices that are as vital to your success as are your technical skills. The author's favorite chapter is "The Big Picture and the Ten Deliverables." (It is the editor's favorite chapter too!) If you take the lessons in that chapter to heart, you can quickly become a much better Oracle database administrator than you ever thought possible. You will grasp the key aspects of theory behind relational database management systems and learn how to:

- Install and configure an Oracle database, and ensure that it's properly licensed;
- Execute common management tasks in a Linux environment;
- Defend against data loss by implementing sound backup and recovery practices; and
- Improve database and query performance.

A guide to the installation and configuration of Oracle9i RAC covers such topics as the design of RAC clusters, configuration of TAF, and monitoring and tuning RAC applications.

"Selfish scientists won't share new findings," ran one headline in The Onion. The story was about a group of rebellious scientists who made a groundbreaking, life-saving discovery, but decided to hold on to it, unless they were paid a ludicrous reward. Imagine that for a second: science happening, but without anyone finding out about it"--

Mastering Blockchain, Third Edition is the blockchain bible to equip you with extensive knowledge of distributed ledgers, cryptocurrencies, smart contracts, consensus algorithms, cryptography and blockchain platforms such as Ethereum, Bitcoin, and many more.

The traditional division of labor between the database (which only stores and manages SQL and XML data for fast, easy data search and retrieval) and the application server (which runs application or business logic, and presentation logic) is obsolete. Although the book's primary focus is on programming the Oracle Database, the concepts and techniques provided apply to most RDBMS that support Java including Oracle, DB2, Sybase, MySQL, and PostgreSQL. This is the first book to cover new Java, JDBC, SQLJ, JPublisher and Web Services features in Oracle Database 10g Release 2 (the coverage starts with Oracle 9i Release 2). This book is a must-read for database developers audience (DBAs, database applications developers, data architects), Java developers (JDBC, SQLJ, J2EE, and OR Mapping frameworks), and to the emerging Web Services assemblers. Describes pragmatic solutions, advanced database applications, as well as provision of a wealth of code samples. Addresses programming models which run within the database as well as programming models which run in middle-tier or client-tier against the database. Discusses languages for stored procedures: when to use proprietary languages such as PL/SQL and when to use standard languages such as Java; also running non-Java scripting languages in the database. Describes the Java runtime in the Oracle database 10g (i.e., OracleJVM), its architecture, memory management, security management, threading, Java execution, the Native Compiler (i.e., NCOMP), how to make Java known to SQL and PL/SQL, data types mapping, how to call-out to external Web components, EJB components, ERP frameworks, and external databases. Describes JDBC programming and the new Oracle JDBC 10g features, its advanced connection services (pooling, failover, load-balancing, and the fast database event notification mechanism) for clustered databases (RAC) in Grid environments. Describes SQLJ programming and the latest Oracle SQLJ 10g features, contrasting it with JDBC. Describes the latest Database Web services features, Web services concepts and Services Oriented Architecture (SOA) for DBA, the database as Web services provider and the database as Web services consumer. Abridged coverage of JPublisher 10g, a versatile complement to JDBC, SQLJ and Database Web Services.

"Geoff Ingram has met the challenge of presenting the complex process of managing Oracle performance. This book can support every technical person looking to resolve Oracle8i and Oracle9i performance issues." -Aki Ratner, President, Precise Software Solutions Ensuring high-performance and continuous availability of Oracle software is a key focus of database managers. At least a dozen books address the subject of "performance tuning"-- that is, how to fine-tune the Oracle database for its greatest processing efficiency. Geoff Ingram argues that this approach simply isn't enough. He believes that performance needs to be addressed right from the design stage, and it needs to cover the entire system--not just the database. High-Performance Oracle is a hands-on book, loaded with tips and techniques for ensuring that the entire Oracle database system runs efficiently and doesn't break down. Written for Oracle developers and DBAs, and covering both Oracle8i and Oracle9i, the book goes beyond traditional performance-tuning books and covers the key techniques for ensuring 24/7 performance and availability of the complete Oracle system. The book provides practical solutions for:

- * Choosing physical layout for ease of administration and efficient use of space
- * Managing indexes, including detecting unused indexes and automating rebuilds
- * SQL and system tuning using the powerful new features in Oracle9i Release 2
- * Improving SQL performance without modifying code
- * Running Oracle Real Application Clusters (RAC) for performance and availability
- * Protecting data using Recover Manager (RMAN), and physical and logical standby databases

The companion Web site provides the complete source code for examples in the book, updates on techniques, and additional documentation for optimizing your Oracle system. Proceedings of the 30th Annual International Conference on Very Large Data Bases held in Toronto, Canada on August 31 - September 3 2004. Organized by the VLDB Endowment, VLDB is the premier international conference on database technology.

IBM® Scale Out Network Attached Storage (SONAS) is a Scale Out NAS offering designed to manage vast repositories of information in enterprise environments requiring very large capacities, high levels of performance, and high availability. The IBM SONAS appliance provides a range of reliable, scalable storage solutions for a variety of storage requirements. These capabilities are achieved by using network access protocols such as NFS, CIFS, HTTPS, FTP, and SCP. Using built-in RAID technologies, all data is well protected with options to add additional protection through mirroring, replication, snapshots, and backup. These storage systems are also characterized by simple management interfaces that make their installation, administration, and troubleshooting uncomplicated and straightforward. This IBM Redbooks® publication is the companion to the IBM Redbooks publication, SONAS Concepts, Architecture, and Planning Guide, SG24-7963. It is intended for storage administrators who have ordered their SONAS solution and are ready to install, customize, and use it. A quick start scenario takes you through common SONAS administration tasks to familiarize you with the SONAS system through the GUI and CLI. Backup and availability scenarios as well as best practices for setting up and troubleshooting hints and tips are included.

Quickly Get Up and Running on Oracle Database Exadata Cloud Service Quickly install, configure, and start using Oracle Database Exadata Cloud Service with the hands-on information contained in this comprehensive Oracle Press guide. Designed for easy learning, the book features real-world examples, detailed illustrations, and step-by-step instructions. Oracle Database Exadata Cloud Service: A

Beginner's Guide walks you through the basics and shows you how to provision, create, and deploy databases. Basic system administration tasks, including data backup and recovery, software patching, and system updating, are clearly explained. Advanced monitoring and data compression techniques are also covered. Inside, you'll discover how to:

- Set up and configure Oracle Database Exadata Cloud Service
- Navigate the user interface
- Work with tooling and CLIs
- Deploy smart scans and storage indexes
- Employ the latest compression techniques
- Handle Oracle Exadata resource management
- Administer Oracle Exadata Smart Flash Cache
- Manage and monitor your Oracle Exadata Cloud Service
- Migrate to Oracle Exadata Cloud Service

TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com.

"This reference expands the field of database technologies through four-volumes of in-depth, advanced research articles from nearly 300 of the world's leading professionals"--Provided by publisher.

This book is an anthology of effective database management techniques representing the collective wisdom of the OakTable Network. With an emphasis upon performance—but also branching into security, national language, and other issues—the book helps you deliver the most value for your company's investment in Oracle Database technologies. You'll learn to effectively plan for and monitor performance, to troubleshoot systematically when things go wrong, and to manage your database rather than letting it manage you.

This book highlights the practical aspects of using Oracle Essbase and Oracle Business Intelligence Enterprise Edition (OBIEE) as a comprehensive BI solution. It explains the key steps involved in Oracle Essbase and OBIEE implementations. Using case studies, the book covers Oracle Essbase for analytical BI and data integration, using OBIEE for operational BI including presentation services and BI Publisher for real-time reporting services, Self-service BI— in terms of VLDB, scalability, high performance, stability, long-lasting and ease of use that saves time, effort, and costs, while maximizing ROI.

"Customers are the heart of any business. But we can't succeed if we develop only one talk addressed to the 'average customer.' Instead we must know each customer and build our individual engagements with that knowledge. If Customer Relationship Management (CRM) is going to work, it calls for skills in Customer Data Integration (CDI). This is the best book that I have seen on the subject. Jill Dyché is to be complimented for her thoroughness in interviewing executives and presenting CDI." -Philip Kotler, S. C. Johnson Distinguished Professor of International Marketing Kellogg School of Management, Northwestern University "In this world of killer competition, hanging on to existing customers is critical to survival. Jill Dyché's new book makes that job a lot easier than it has been." -Jack Trout, author, Differentiate or Die "Jill and Evan have not only written the definitive work on Customer Data Integration, they've made the business case for it. This book offers sound advice to business people in search of innovative ways to bring data together about customers-their most important asset-while at the same time giving IT some practical tips for implementing CDI and MDM the right way." -Wayne Eckerson, The Data Warehousing Institute author of Performance Dashboards: Measuring, Monitoring, and Managing Your Business Whatever business you're in, you're ultimately in the customer business. No matter what your product, customers pay the bills. But the strategic importance of customer relationships hasn't brought companies much closer to a single, authoritative view of their customers. Written from both business and technical perspectives, Customer Data Integration shows companies how to deliver an accurate, holistic, and long-term understanding of their customers through CDI.

Intelligent agent technology is emerging as one of the most important and rapidly advancing areas. Researchers are developing a number of agent-based applications and multi-agent systems in a variety of fields, such as: electronic commerce, supply chain management, resource allocation, intelligent manufacturing, mass customization, industrial control, information retrieval and filtering, collaborative work, mobile commerce, decision support, and computer games. Application of Agents and Intelligent Information Technologies presents an outstanding collection of the latest research associated with intelligent agents and information technologies. Application of Agents and Intelligent Information Technologies provides a comprehensive analysis of issues related to agent design, implementation, integration, deployment, evaluation, and business value. This book presents research results and application of agents and other intelligent information technologies in various domains. Application of Agents and Intelligent Information Technologies offers the intelligent information technologies that will potentially revolutionize the work environment as well as social computing.

Expert Oracle RAC Performance Diagnostics and Tuning provides comprehensive coverage of the features, technology and principles for testing and tuning RAC databases. The book takes a deep look at optimizing RAC databases by following a methodical approach based on scientific analysis rather than using a speculative approach, twisting and turning knobs and gambling on the system. The book starts with the basic concepts of tuning methodology, capacity planning, and architecture. Author Murali Vallath then dissects the various tiers of the testing implementation, including the operating system, the network, the application, the storage, the instance, the database, and the grid infrastructure. He also introduces tools for performance optimization and thoroughly covers each aspect of the tuning process, using many real-world examples, analyses, and solutions from the field that provide you with a solid, practical, and replicable approach to tuning a RAC environment. The book concludes with troubleshooting guidance and quick reference of all the scripts used in the book. Expert Oracle RAC Performance Diagnostics and Tuning covers scenarios and details never discussed before in any other performance tuning books. If you have a RAC database, this book is a requirement. Get your copy today. Takes you through optimizing the various tiers of the RAC environment. Provides real life case studies, analysis and solutions from the field. Maps a methodical approach to testing, tuning and diagnosing the cluster

This volume provides a foundation in digital accounting by covering such fundamental topics as accounting software, XBRL (eXtensible Business Reporting Language), and EDI. The effects of the Internet and ERP on accounting are classified and presented for each accounting cycle, along with a comprehensive discussion of online controls.

Advances in hardware, software, and audiovisual rendering technologies of recent years have unleashed a wealth of new capabilities and possibilities for multimedia applications, creating a need for a comprehensive, up-to-date reference. The Encyclopedia of Multimedia Technology and Networking provides hundreds of contributions from over 200 distinguished international experts, covering the most important issues, concepts, trends, and technologies in multimedia technology. This must-have reference contains over 1,300 terms, definitions, and concepts, providing the deepest level of understanding of the field of multimedia technology and networking for academicians, researchers, and professionals worldwide.

A brand new collection of state-of-the-art techniques for building more sustainable, higher-performing organizations... now in a convenient e-format, at a great price! Three 100% practical primers help you drive competitive advantage by optimizing sustainability and operational performance To compete in today's extraordinarily competitive global environment, organizations need to achieve new levels of sustainability and operational performance. This brand-new package brings together three practical, state-of-the-art primers for doing just that. Robert Palevich's The Lean Sustainable Supply Chain offers start-to-finish guidance for redesigning company infrastructure and technologies to achieve the powerful benefits that come with integrating "lean" and "green." and benefits. Palevich introduces core concepts of lean green supply chain management, illuminating them with a comprehensive case study showing how to manage change, innovation, talent, execution, inventory, warehousing, and transportation. He demonstrates how to integrate supply chain sustainability into business scorecards; use 3PLs more effectively; drive more value from information, and systematically address every relevant technical issue. Next, in Creating a Sustainable Organization, Peter A. Soyka presents today's most complete and actionable guide to improving business performance through sustainable practices. Soyka bridges the disparate worlds of the EHS/sustainability professional and the investor/analyst, outlining today's best evidence about linkages between sustainability and value, discussing key stakeholder relationships, and introducing new practices for managing and measuring sustainability throughout the business. Finally, Arthur V. Hill's The Encyclopedia of Operations Management is today's most convenient and useful

supply chain/operations management "field manual." Bringing together nearly 1,500 well-organized definitions, it helps you quickly map all areas of these fields, from accounting and distribution through quality management, strategy, transportation, and warehousing. Throughout, Hill offers a shared language and realistic insights for improving any process and supporting any training program. From world-renowned supply chain and operations experts Robert Palevich, Peter A. Soyka, and Arthur V. Hill

The book offers a timely snapshot of neural network technologies as a significant component of big data analytics platforms. It promotes new advances and research directions in efficient and innovative algorithmic approaches to analyzing big data (e.g. deep networks, nature-inspired and brain-inspired algorithms); implementations on different computing platforms (e.g. neuromorphic, graphics processing units (GPUs), clouds, clusters); and big data analytics applications to solve real-world problems (e.g. weather prediction, transportation, energy management). The book, which reports on the second edition of the INNS Conference on Big Data, held on October 23–25, 2016, in Thessaloniki, Greece, depicts an interesting collaborative adventure of neural networks with big data and other learning technologies.

As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

"This book focuses on information technology using sustainable green computing to reduce energy and resources used"--Provided by publisher.

Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle Database into one compact volume. Ideal for novice and experienced DBAs, developers, managers, and users, Oracle Essentials walks you through technologies and features in Oracle's product line, including its architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. Oracle Essentials provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management, including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions

A brand new collection of cutting-edge sustainable supply chain solutions... 3 authoritative books, now in a convenient e-format, at a great price! 3 authoritative eBooks deliver state-of-the-art guidance for leveraging supply chain sustainability to maximize business value Organizations that prioritize sustainability are well positioned to increase profitability, reduce risk, and attract better customers, talent, and investors. This unique 3 eBook package brings together all the techniques, best practices, and case studies you need to make sustainability work throughout your supply chain. In The Lean Sustainable Supply Chain, Robert Palevich illuminates the business benefits of combining "lean" and "green," offering start-to-finish guidance for redesigning company infrastructure and technologies to achieve these benefits. Through a comprehensive case study, he shows how to manage change, innovation, talent, execution, inventory, warehousing, and transportation; integrate supply chain sustainability into business scorecards; make more effective use of 3PLs, information systems, and much more. He systematically addresses key technical issues ranging from forecasting methodologies and supplier integration to carbon tracking and quantifying lean savings. Next, in Creating a Sustainable Organization, Peter Soyka shows how to choose the right sustainability strategies, and then manage and measure them well. Soyka's actionable guide bridges the disparate worlds of the EHS/sustainability professional and the investor/analyst. Discover what the evidence says about linkages between sustainability and value... how to manage key stakeholder relationships influencing corporate response to EHS and social equity issues... how to effectively manage sustainability throughout the business... how to evaluate sustainability posture and performance from the standpoint of external investors and internal management... how to maximize the influence of organizational actors focused on sustainability, and much more. Finally, the Sustainability in Supply Chain Management Casebook is the first comprehensive collection of original case studies on building sustainability into the supply chain. Steven Leon covers a wide spectrum of social, economic and environmental issues, as well as new areas such as closed-loop supply chains. Topics include strategy, implementation, decision making, transportation, supplier relationships, collaboration, lean, continuous improvement, finance/economics, worker safety and rights, procurement, production, delivery, packaging, logistics, reverse logistics, and global supply chains. Each case study is supported with an authoritative introduction, teaching notes, and Q-and-A sections. Whatever your role in the sustainable supply chain, this collection will help you transform its promise into reality. From world-renowned sustainable supply chain experts Robert Palevich, Peter A. Soyka, Stephen M. Leon

Annotation The must-have reference for users and implementers of Oracle Release 11i. This book provides the critical information required to configure and operate the Release11i applications in one book. Several readers have told us they saved tens of thousands of dollars after reading the previous edition of this book. Special Edition Using Oracle 11i has about 40% new content over the previous version including a new projects chapter, a new order management chapter, screen shots, tips, and, Release11i specific material. This book is the most complete reference available for the latest release of the Oracle financial, manufacturing, HRMS, and projects applications. Part 1 introduces the Oracle ERP applications and Release11i concepts. Part 2 educates the reader on proven techniques for implementing these complex and integrated systems. Part 3 discusses configuration and usage of each of the financial, distribution, manufacturing, HRMS, and project applications. Part 4 discusses working with Oracle Support, consulting firms, and compatible software vendors. The appendixes review the employment market, consulting opportunities, and provide the reader with an implementation checklist. All of Release11i's new features are covered in-depth and in practical terms. Not only will readers understand Oracle's new capabilities, they will be able to apply them right away. The authors are highly respected consultants from BOSS Corporation. They have worked with the Oracle Applications for over eight years since Release 9. Each chapter is written and edited by an expert consultant on that topic. The authors have published many white papers and

newsletters about the Oracle Applications. BOSS Corporation is an active sponsor of the Oracle Applications User Group (OAUG). The authors have attended the last 14 national conferences, presented more than a dozen white papers at OAUG conferences, participated in the vendor exhibit hall, identified key words for white paper classification, and edited articles that are included in OAUG publications.

Alomari makes in-depth recommendations for tuning both decision support and transaction applications - each of which impact the Oracle kernel in significantly different ways. No other tuning book covers specific OLAP and OLTP issues in comparable detail.

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