

Exadata Database Machine Administration Workshop

This textbook offers an exhaustive, step-by-step guide through the powerful features of the Oracle Business Intelligence (BI) product suite. One will learn the concepts, methods and techniques for building sophisticated data analytic modules. Analytic results are then organized into interactive dashboards. A solid foundation is laid for one to progress onto the latest and most advanced data analytic capabilities. The following specific topics are included in this guide book: Background discussion of data warehousing, business intelligence (BI) and data analytics

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presented in a form that business professionals can readily understand; Background concepts regarding logical data models, star schema and snowflake schema warehouse models; How to build analytical models using fact tables, dimensions, dimension hierarchies, cubes, measures and other multidimensional data model objects; Use interactive Dashboards to analyze data, uncover trends and make strategic business decisions; Export BI results to productivity software such as Microsoft Office or other external systems; Design customized Dashboards to reflect an individual's role, perspective or business interest; Creating data analyses and dynamically interact with results produced from Oracle BI; Format analyses using sorts, filters and prompts; Format column output,

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subtotaling, customization of column properties and transforming column data using formulas; Create results with compound layouts, including views such as tabular, chart, pivot table, gauge and others; Manage content, permissions and access within the Presentation Catalog. This textbook includes dozens of learning exercises, with detailed point-and-click solutions also provided.

The Design and Implementation of Modern Column-Oriented Database Systems discusses modern column-stores, their architecture and evolution as well the benefits they can bring in data analytics.

This book focuses on the uses of big data in the context of higher education. The book describes a wide range of administrative and operational data gathering processes

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aimed at assessing institutional performance and progress in order to predict future performance, and identifies potential issues related to academic programming, research, teaching and learning. Big data refers to data which is fundamentally too big and complex and moves too fast for the processing capacity of conventional database systems. The value of big data is the ability to identify useful data and turn it into useable information by identifying patterns and deviations from patterns. This book constitutes the thoroughly refereed short papers, workshops and doctoral consortium papers of the 23rd European Conference on Advances in Databases and Information Systems, ADBIS 2019, held in Bled, Slovenia, in September 2019. The 19 short research papers and the 5

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doctoral consortium papers were carefully reviewed and selected from 103 submissions, and the 31 workshop papers were selected out of 67 submitted papers. The papers are organized in the following sections: Short Papers; Workshops Papers; Doctoral Consortium Papers; and cover a wide spectrum of topics related to database and information systems technologies for advanced applications.

Oracle High Availability, Disaster Recovery, and Cloud Services

Big Data For Dummies

Including Oracle 12c Release 2

Real-Time Scenarios with Oracle GoldenGate

The Design and Implementation of Modern Column-

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Oriented Database Systems
Expert Oracle Exadata

Cloud Computing: Theory and Practice provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they

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can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about

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recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud computing paradigm has a

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better chance to succeed than previous efforts in large-scale distributed computing

Use this comprehensive guide to get started with the Oracle Cloud Free Tier. Reading this book and creating your own application in the Free Tier is an excellent way to build familiarity with and expertise in Oracle Cloud Infrastructure. Even better is that the Free Tier by itself is capable enough and provides all the

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ingredients needed for you to create secure and robust, multi-tiered web applications of modest size. Examples in this book introduce the broad suite of Always Free options that are available from Oracle Cloud Infrastructure. You will learn how to provision autonomous databases and autonomous Linux compute nodes. And you will see how to use Terraform to manage infrastructure as code. You also will learn about networking options and

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application deployment, including how to create and deploy public-facing Application Express solutions and three-tier web applications on a foundation of Oracle REST Data Services. The book also includes a solid introduction to predictive analytics through Oracle Machine Learning Notebooks and Apache Zeppelin. Cloud computing is a strong industry trend. Mastering the content in this book leaves you well-positioned to make the transition into providing

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and supporting cloud-based applications and databases. You will have the knowledge and skills that you need to deploy modest applications along with a growing understanding of Oracle's Cloud platform that will serve you well as you go beyond the limits of the Always Free options and take full advantage of all that Oracle Cloud Infrastructure can offer. What You Will Learn Know which resources are available for free forever from Oracle Cloud

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Infrastructure Host, manage, and monitor web applications using the freely available components Provision and manage Autonomous Databases and Autonomous Linux Compute Nodes Perform rudimentary predictive analytics using Oracle Machine Learning Notebooks Automate and manage your infrastructure as code using Terraform Monitor and manage costs when you grow beyond the Always Free platform Who This Book Is For Database administrators and

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application developers who want to learn about Oracle's cloud offerings, application developers seeking a robust platform on which to build and deploy modest applications at zero cost, and developers and administrators interested in exploring Oracle Application Express running on a self-managing, self-tuning Oracle Database This book covers three major parts of Big Data: concepts, theories and applications. Written by world-renowned

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leaders in Big Data, this book explores the problems, possible solutions and directions for Big Data in research and practice. It also focuses on high level concepts such as definitions of Big Data from different angles; surveys in research and applications; and existing tools, mechanisms, and systems in practice. Each chapter is independent from the other chapters, allowing users to read any chapter directly. After examining the practical side of Big

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Data, this book presents theoretical perspectives. The theoretical research ranges from Big Data representation, modeling and topology to distribution and dimension reducing. Chapters also investigate the many disciplines that involve Big Data, such as statistics, data mining, machine learning, networking, algorithms, security and differential geometry. The last section of this book introduces Big Data applications from different

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communities, such as business, engineering and science. Big Data Concepts, Theories and Applications is designed as a reference for researchers and advanced level students in computer science, electrical engineering and mathematics. Practitioners who focus on information systems, big data, data mining, business analysis and other related fields will also find this material valuable.

Thesis (Ph.D.)--Delft University of

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Technology, 2004.

Management Information Systems

Managing Multimedia and Unstructured

Data in the Oracle Database

Handbook of Cloud Computing

Expert Oracle Enterprise Manager 12c

Oracle Essentials

Web, Artificial Intelligence and

Network Applications

A practical cookbook on building portals with GateIn including user security, gadgets, and every type of portlet possible.

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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

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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

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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 book is written in simple, easy to understand format with lots of screenshots and step-by-step explanations. If you are an Oracle database administrator, Museum curator, IT manager, Developer, Photographer, Intelligence team member, Warehouse or Software Architect then this book is for you. It covers the basics and then moves to advanced concepts. This will challenge and increase your knowledge enabling all those who read

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it to gain a greater understanding of multimedia and how all unstructured data is managed.

Oracle® Solaris 11 System Administration covers every skill required to effectively install and administer the Oracle® Solaris 11.1 operating system in production environments. It features dozens of step-bystep “learn by example” procedures, demonstrating how to apply complex solutions in real-world data center environments. Author Bill Calkins has administered and taught Oracle Solaris and its predecessors for more than twenty years. He also helped develop the newest Oracle Certified Associate (OCA) and Oracle Certified Professional (OCP)

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exams, which raise the bar for Solaris certification. This guide covers every new 1Z0-821 exam topic in detail and also covers many 1Z0-822 exam topics. Calkins also reviews the changes that system administrators will face when upgrading to Solaris 11.1 and presents new ways to perform familiar tasks on both SPARC and x86 hardware. You'll learn how to Install the Solaris 11 Operating Environment with Live Media or Text Interactive installers Install, manage, and update software with the Image Packaging System and IPS repositories Understand, customize, and troubleshoot SPARC and x86 boot processes from system power-up to loading the OS

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(including coverage of ILOM, OpenBoot, and GRUB 2)
Administer and create services through the service management facility (SMF) Configure system messaging using SMF notifications, syslog and rsyslog Configure and administer ZFS storage pools, including ZFS on the boot drive, local disks, LUNs, and a SAN Configure and manage ZFS file systems: encryption, redundancy, snapshots, clones, network sharing, monitoring, device replacement, and legacy UFS migration Create, migrate, contain, and administer zones, including solaris10 branded and immutable zones Use RBAC to create custom rights profiles and grant special privileges Manage

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and monitor system process scheduler (including FSS process schedulers and proc tools) Configure Solaris networking and network services, including Reactive and Fixed Network Configurations, VNICs, and Virtual Networking A companion website

(unixed.com/solaris11book.html) includes new 1Z0-821 and 1Z0-822 study strategies and self-assessment exams.

For DBAs and Developers

Cloud Computing

Expert Oracle RAC Performance Diagnostics and Tuning

Expert Oracle Database 11g Administration

Oracle Cloud Infrastructure Architect Associate All-in-

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One Exam Guide (Exam 1Z0-1072)

Create Analyses and Dashboards

Maximize Oracle Exadata Capabilities Leverage all of the powerful features available in the Oracle Exadata Database Machine using the proven techniques inside this Oracle Press guide. Written by Oracle experts, *Achieving Extreme Performance with Oracle Exadata* shows you how to take full advantage of this complete, optimized package of software, servers, and storage. Best practices for enterprise deployments, high availability, administration, backup and recovery, data warehousing, online transaction processing, consolidation, and migration are included in this authoritative resource. Take

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advantage of the tightly integrated hardware and software in the Oracle Exadata Database Machine Work with Oracle Exadata software features, including Smart Scans, Oracle Exadata Hybrid Columnar Compression, storage indexes, Oracle Exadata Smart Flash Cache, and I/O Resource Manager Understand Oracle Exadata Database Machine balanced hardware architecture Architect, administer, and monitor Oracle Exadata Storage Servers Deploy data warehouses on the Oracle Exadata Database Machine Run online transaction processing (OLTP) workloads on the Oracle Exadata Database Machine Consolidate databases with and migrate databases to the Oracle Exadata Database Machine Oracle is an enormous system, with myriad technologies,

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options, and releases. Most users--even experienced developers and database administrators--find it difficult to get a handle on the full scope of the Oracle database. And, as each new Oracle version is released, users find themselves under increasing pressure to learn about a whole range of new technologies.

The latest challenge is Oracle Database 11g. This book distills an enormous amount of information about Oracle into a compact, easy-to-read volume filled with focused text, illustrations, and helpful hints. It contains chapters on: Oracle products, options, data structures, and overall architecture for Oracle Database 11g, as well as earlier releases (Oracle Database 10g, Oracle9i, and Oracle8i) Installing, running, managing, monitoring, networking, and tuning Oracle,

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including Enterprise Manager (EM) and Oracle's self-tuning and management capabilities; and using Oracle security, auditing, and compliance (a new chapter in this edition) Multiuser concurrency, data warehouses, distributed databases, online transaction processing (OLTP), high availability, and hardware architectures (e.g., SMP, clusters, NUMA, and grid computing) Features beyond the Oracle database: Oracle Application Express, Fusion Middleware (including Oracle Application Server), and database SOA support as a Web services provider The latest Oracle Database 11g features: query result set caching, Automatic Memory Management, the Real Application Testing, Advanced Compression, Total Recall, and Active Data Guard Option

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Options, changes to the OLAP Option (transparently accessed and managed as materialized views), the Flashback transaction command, transparent data encryption, the Support Workbench (and diagnosability infrastructure), and partitioning enhancements (including interval and new composite types) For new Oracle users, DBAs, developers, and managers, Oracle Essentials provides an invaluable, all-in-one introduction to the full range of Oracle features and technologies, including the just-released Oracle Database 11g features. But even if you already have a library full of Oracle documentation, you'll find that this compact book is the one you turn to, again and again, as your one-stop, truly essential reference. "Oracle Essentials gives a clear explanation of the

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key database concepts and architecture underlying the Oracle database. It's a great reference for anyone doing development or management of Oracle databases." --Andrew Mendelsohn, Senior Vice President, Database Server Technologies, Oracle Corporation

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

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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

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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 is 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

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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

Publisher's Note: Products purchased from Third Party sellers
are not guaranteed by the publisher for quality, authenticity,
or access to any online entitlements included with the product.
This study guide covers 100% of the objectives for the Oracle
Cloud Infrastructure Architect Associate exam Pass the new
Oracle Cloud Infrastructure Architect Associate exam with
ease using the detailed information contained in this effective
self-study system. Written by an Oracle expert and respected

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author, Oracle Cloud Infrastructure Architect Associate All-in-One Exam Guide (Exam 1Z0-1072) offers complete coverage of every subject on the challenging exam. Hands-on exercises, practice exam questions with in-depth explanations, “ Notes, ” “ Exam Tips, ” and “ Cautions ” throughout provide professional insight and call out potentially harmful situations. Beyond exam preparation, this guide also serves as a valuable on-the-job reference. Covers all exam topics, including:

- Oracle Cloud Infrastructure concepts
- OCI identity and access management
- OCI networking
- Compute instances
- Storage
- Database
- Automation tools
- OCI best practice architectures

Online content includes:

- 140 practice questions
- Fully-customizable

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online test engine

Theory and Practice

Big Data and Learning Analytics in Higher Education

Advanced Oracle PL/SQL

3D Cadastre

Infrastructure as a Service, Autonomous Database, Managed
Kubernetes, and Serverless

Nine Yang Divine Doctor

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

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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

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to Oracle, this all-in-one guide provides an essential introduction that will get them up to speed.

The aim of the book is to provide latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of Web Computing, Intelligent Systems and Internet Computing. As the Web has become a major source of information, techniques and methodologies that extract quality information are of paramount importance for many Web and Internet applications. Data mining and knowledge

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discovery play key roles in many of today ' s prominent Web applications such as e-commerce and computer security. Moreover, the outcome of Web services delivers a new platform for enabling service-oriented systems. The emergence of large scale distributed computing paradigms, such as Cloud Computing and Mobile Computing Systems, has opened many opportunities for collaboration services, which are at the core of any Information System. Artificial Intelligence (AI) is an area of computer science that build intelligent systems and algorithms that work and react like humans. The AI

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techniques and computational intelligence are powerful tools for learning, adaptation, reasoning and planning. They have the potential to become enabling technologies for the future intelligent networks. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence and cognitive sciences are very important for the future development and innovation of Web and Internet applications.

Sam Alapati's Expert Oracle Database 11g Administration is a comprehensive handbook for Oracle database administrators (DBAs) using the

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11g release of the Oracle Database. All key aspects of database administration are covered, including backup and recovery, day-to-day administration and monitoring, performance tuning, and more. This is the one book to have on your desk as a continual reference. Refer to it frequently. It'll help you get the job done. Comprehensive handbook for Oracle Database administrators. Covers all major aspects of database administration. Tests and explains in detail key DBA commands. Offers primers on Linux/Unix, data modeling, SQL, and PL/SQL.

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Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

Getting Started with Oracle Cloud Free Tier

Getting Started with Talend Open Studio for Data

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Integration

ADBIS 2019 Short Papers, Workshops BBIGAP, QAUCA, SemBDM, SIMPDA, M2P, MADEISD, and Doctoral Consortium, Bled, Slovenia, September 8–11, 2019, Proceedings

Oracle Database 11g

Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard

Advances in Computer Science for Engineering and Education

The Saga of the Aryan Race is a

historical epic about the origins of the Aryan people. The Saga chronicles the ancient Indo-Europeans of twenty thousand years ago, who proudly called themselves the Aryans - the Noble Ones. They were the first worshippers of Ahura Mazda, the name of God in the ancient Aryan tongue of Avestan. The Saga is a work of historical fiction based on Zoroastrian scriptures. Volumes I and II speak of the early days of the Aryans in the ancestral

homeland Airyane Vaejahi, the seedland of the Aryans, and the great migrations to Iran, land of the Aryans. Volumes III, IV and V carry on with the childhood and youth of the first Aryan prophet, Asho Zarathustra, his revelations from the Creator Ahura Mazda and his divine mission to rejuvenate the ancient religion in Iran. Ancient Avestan words and concepts from sacred texts such as the Gathas, Vendidad, and Yashts, are woven

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into the story in a way that makes these lofty ideals easy to understand. This is a wonderful legend from the time of the Aryan ancestors that is little known in the Western world. The author, Porus Homi Havewala, born in India, is descended from the Aryan forefathers who settled in Iran. A group of Aryans, known as Parsi Zoroastrians, migrated to India after the Arab conquest of Iran in order to preserve their ancient Aryan religion.

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The aim of the author in writing this book is to inspire his fellow Aryan Zoroastrians, especially the young, with faith and righteous pride in their religion, like their Aryan ancestors in ancient times, as well as to educate others about the remarkable history and beliefs of the Aryan peoples.

Succeed in managing Oracle Application Express (APEX) environments. This book focuses on creating the right combination of scalability, high-

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availability, backup and recovery, integrity, and resource control. The book covers everything from simple to enterprise-class deployments, with emphasis on enterprise-level requirements and coverage of cloud and hybrid-cloud scenarios. Many books cover how to develop applications in Oracle APEX. It's a tool with a fast-growing user-base as developers come to know how quick and easy it is to create new applications that run in a browser.

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However, just getting an application off the ground is only a small part of a bigger picture. Applications must be supported. They must be available when users need them. They must be robust against disaster and secure against malicious attack. These are the issues addressed in Oracle Application Express Administration. These are the issues that when tackled successfully lead to long term success in using Oracle APEX as a rapid application-development

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toolset. Readers of this book learn how to install the Oracle APEX engine in support of small-scale projects such as at the departmental level, and in support of enterprise-level projects accessed by thousands of users across dozens of time zones. Readers learn to take advantage of Oracle Database's underlying feature set in regards to application scalability and performance, integrity, security, high-availability, and robustness against

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failure and data loss. Oracle Application Express Administration also describes different cloud solutions, integration with Oracle E-Business Suite, and helps in taking advantage of multitenancy in Oracle Database 12c and beyond. Covers important enterprise considerations such as scalability, robustness, high-availability. Describes cloud-based application deployment scenarios Focuses on creating the right deployment

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*environment for long-term success What
You Will Learn Install, upgrade, and
configure robust APEX environments Back
up and recover APEX applications and
their data Monitor and tune the APEX
engine and its applications Benefit
from new administration features in
APEX 5.0 Run under multi-tenant
architecture in Oracle Database 12c
Manage the use of scarce resources with
Resource Manager Secure your data with
advanced security features Build high-*

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*availability into your APEX deployments
Integrate APEX with Oracle E-Business
Suite Who This Book Is For Architects,
administrators, and developers who want
to better understand how APEX works in
a corporate environment. Readers will
use this book to design deployment
architectures around Oracle Database
strengths like multi-tenancy, resource
management, and high availability. The
book is also useful to administrators
responsible for installation and*

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upgrade, backup and recovery, and the ongoing monitoring of the APEX engine and the applications built upon it. Learn all of the available upgrade and migration methods in detail to move to Oracle Database version 12c. You will become familiar with database upgrade best practices to complete the upgrade in an effective manner and understand the Oracle Database 12c patching process. So it's time to upgrade Oracle Database to version 12c and you need to

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choose the appropriate method while considering issues such as downtime. This book explains all of the available upgrade and migration methods so you can choose the one that suits your environment. You will be aware of the practical issues and proactive measures to take to upgrade successfully and reduce unexpected issues. With every release of Oracle Database there are new features and fixes to bugs identified in previous versions. As

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each release becomes obsolete, existing databases need to be upgraded. Oracle Database Upgrade and Migration Methods explains each method along with its strategy, requirements, steps, and known issues that have been seen so far. This book also compares the methods to help you choose the proper method according to your constraints. Also included in this book: Pre-requisite patches and pre-upgrade steps Patching to perform changes at the

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binary and database level to apply bug fixes
What You Will Learn: *Understand the need and importance of database upgrading and migration Be aware of the challenges associated with database upgrade decision making Compare all upgrade/migration methods Become familiar with database upgrade best practices and recommendations Understand database upgrade concepts in high availability and multi-tenant environments Know the database*

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downgrade steps in case the upgraded database isn't compatible with the environment Discover the features and benefits to the organization when it moves from the old database version to the latest database version Understand Oracle 12c patching concepts Who This Book Is For: Core database administrators, solution architects, business consultants, and database architects This book is packed with real world

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examples that cover the design and discipline of the software and service of CRMOD. If you are a CRMOD Administrator, Business Analyst or a CRM implementation specialist looking forward to implement CRM On Demand or enhance and maintain an existing CRM On Demand deployment, then this is the guide for you.

*Practical Oracle Cloud Infrastructure
Managing the Digital Firm
New Trends in Databases and Information*

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Systems

Explore RAC, Data Guard, and Cloud Technology

Principles of Distributed Database Systems

Proceedings of the Workshops of the 33rd International Conference on Advanced Information Networking and Applications (WAINA-2019)

This book is a practical step-by-step tutorial with screenshots for carrying out tasks showing you how to manage and

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administer your data center with Oracle Enterprise Manager. It is packed with best practices and tips that will help you benefit from the author's extensive experience of working with Oracle Enterprise Manager since at least a decade, and combined with his 25+ years IT industry experience. If you are a Data Center, IT or Database Team manager who wants to take advantage of the automation and compliance benefits of Enterprise Manager 12c Cloud

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Control, then Oracle Enterprise Mana.
A step-by-step guide to practising
Oracle GoldenGate High Availability
(HA) options, Microservices, and Real-
Time downstream techniques ?DESCRIPTION
The book starts with a brief
introduction about Oracle GoldenGate
with Microservices and how to configure
high availability using various
methods. Oracle GoldenGate
Microservices Architecture (MA) is a
similar architecture based on REST APIs

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which enable us to configure, monitor, and manage Oracle GoldenGate services using a web-based user interface. Each module supports a specific business goal and uses a simple, lightweight, and well-defined interface to communicate with other sets of services. Oracle GoldenGate can interact with custom conflict-resolution routines that customers write to satisfy their business rules.

KEY FEATURES – Understand how and when

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they're used classic Vs. Microservices
- Learn how to use real-time downstream
methods based on the environment -
Learn how to solve Oracle GoldenGate
(OGG) Conflict Detection and Resolution
(CDR) in bi-directional, active
replication - Learn how to implement
high availability for mission-critical
systems using Oracle GoldenGate - XAG
components - Learn how to set up bi-
directional replication between
pluggable databases (PDBs) in a multi-

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tenant environment - Learn how to use differently typed of replicates in pluggable databases (PDBs) in a multi-tenant environment

WHAT WILL YOU LEARN

By the end of the book, you will come across a few case studies about how to use Microservices, Kubernetes, REST APIs in Oracle GoldenGate, and How to monitor Oracle GoldenGate processes in real-time environments. This book also helps how to use various file systems like ACFS, DBFS, and NFS in high

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availability for Oracle GoldenGate. WHO
THIS BOOK IS FOR This book is intended
for anyone looking for how to set up
and configure Uni-directional, Bi-
directional replication in mission-
critical environments either using
classic Oracle GoldenGate OR Oracle
GoldenGate with Microservices. This
book also helps various methods to
implement real-time downstream
techniques. Table of Contents 1.
Introduction to Oracle GoldenGate HA -

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XAG Components 2. Extract and Replicate
in Multitenant Environment 3.
Consolidated and Cascaded Oracle
GoldenGate 4. Introduction to Oracle
GoldenGate Methodologies 5.
Introduction to Oracle GoldenGate
Utilities 6. Bi-Directional Replication
with Conflict Detection and Resolution
(CDR) 7. Bi-directional Replication
with Pluggable Databases (PDBs) in
Multitenant Environment 8. Real-Time
Downstream Database with Multiple

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Scenarios 9. Oracle GoldenGate
Microservices Architecture overview 10.
Managing Oracle GoldenGate and
Kubernetes 11. Automation Recipes Via
Rest APIs 12. Oracle GoldenGate Tuning
and Troubleshooting

Find the right big data solution for
your business or organization Big data
management is one of the major
challenges facing business, industry,
and not-for-profit organizations. Data
sets such as customer transactions for a

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mega-retailer, weather patterns monitored by meteorologists, or social network activity can quickly outpace the capacity of traditional data management tools. If you need to develop or manage big data solutions, you'll appreciate how these four experts define, explain, and guide you through this new and often confusing concept. You'll learn what it is, why it matters, and how to choose and implement solutions that work.

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Effectively managing big data is an issue of growing importance to businesses, not-for-profit organizations, government, and IT professionals. Authors are experts in information management, big data, and a variety of solutions. Explains big data in detail and discusses how to select and implement a solution, security concerns to consider, data storage and presentation issues, analytics, and much more. Provides essential

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information in a no-nonsense, easy-to-understand style that is empowering Big Data For Dummies cuts through the confusion and helps you take charge of big data solutions for your organization.

Cloud computing has become a significant technology trend. Experts believe cloud computing is currently reshaping information technology and the IT marketplace. The advantages of using cloud computing include cost

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savings, speed to market, access to greater computing resources, high availability, and scalability. Handbook of Cloud Computing includes contributions from world experts in the field of cloud computing from academia, research laboratories and private industry. This book presents the systems, tools, and services of the leading providers of cloud computing; including Google, Yahoo, Amazon, IBM, and Microsoft. The basic concepts of

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cloud computing and cloud computing applications are also introduced. Current and future technologies applied in cloud computing are also discussed. Case studies, examples, and exercises are provided throughout. Handbook of Cloud Computing is intended for advanced-level students and researchers in computer science and electrical engineering as a reference book. This handbook is also beneficial to computer and system infrastructure designers,

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developers, business managers,
entrepreneurs and investors within the
cloud computing related industry.

Oracle GoldenGate 12c Implementer's
Guide

Big Data Concepts, Theories, and
Applications

Oracle Database Upgrade and Migration
Methods

Create Modern Web Applications Using
Always Free Resources

Oracle CRM On Demand Administration

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Essentials

The Saga of the Aryan Race

Work with Oracle database's high-availability and disaster-management technologies. This book covers all the Oracle high-availability technologies in one place and also discusses how you configure them in engineered systems and cloud services. You will see that when you say your database is healthy, it is not limited to whether the database is performing well on day-to-day operations; rather it should also be robust and free from disasters. As a result, your database will be capable of handling unforeseen incidents and recovering from disaster with very minimal or zero downtime. Oracle High Availability, Disaster Recovery, and Cloud Services explores

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all the high-availability features of Oracle database, how to configure them, and best practices. After you have read this book you will have mastered database high-availability concepts such as RAC, Data Guard, OEM 13c, and engineered systems (Oracle Exadata x6/x7 and Oracle Database Appliance). What You Will Learn Master the best practices and features of Exadata and ODA Implement and monitor high availability with OEM 13c Clone databases using various methods in Oracle 12c R2 Work with the Oracle sharding features of Oracle 12c R2 Who This Book Is For Oracle database administrators

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

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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

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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 Leverage Oracle Database 11g Release 2 High Availability Features Protect your critical business assets and achieve maximum database uptime using the detailed information in this Oracle Press guide. Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, Oracle Real Application Clusters, and Oracle Data Guard, Second Edition provides cost-effective solutions

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to current availability challenges. Discover how to grid-enable your IT framework, roll out Oracle Real Application Clusters, maintain standby databases, and deploy Oracle Flashback. Monitoring, tuning, and disaster recovery techniques are also covered in this comprehensive resource. Install Oracle Clusterware (as part of Oracle's grid infrastructure) or upgrade from an earlier version Build test clusters and hosts using Oracle VM Work with Oracle Automatic Storage Management and Oracle Automatic Storage Management Cluster File System Create synchronized standby databases using Oracle Data Guard Reliably archive and restore data with Oracle Recovery Manager Use Oracle Flashback to identify and undo user errors Configure Oracle Enterprise Manager Grid Control for management of an Oracle

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maximum availability architecture environment

This third edition of a classic textbook can be used to teach at the senior undergraduate and graduate levels. The material concentrates on fundamental theories as well as techniques and algorithms. The advent of the Internet and the World Wide Web, and, more recently, the emergence of cloud computing and streaming data applications, has forced a renewal of interest in distributed and parallel data management, while, at the same time, requiring a rethinking of some of the traditional techniques. This book covers the breadth and depth of this re-emerging field. The coverage consists of two parts. The first part discusses the fundamental principles of distributed data management and includes distribution design, data integration, distributed query

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processing and optimization, distributed transaction management, and replication. The second part focuses on more advanced topics and includes discussion of parallel database systems, distributed object management, peer-to-peer data management, web data management, data stream systems, and cloud computing. New in this Edition:

- New chapters, covering database replication, database integration, multidatabase query processing, peer-to-peer data management, and web data management.
- Coverage of emerging topics such as data streams and cloud computing
- Extensive revisions and updates based on years of class testing and feedback

Ancillary teaching materials are available.

Oracle Enterprise Manager Cloud Control 12c

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Current Theory and Practice

Managing Data Center Chaos

Oracle Solaris 11 System Administration

Oracle Application Express Administration

Achieving Extreme Performance with Oracle Exadata

Master Oracle 's AutoUpgrade tool effectively to upgrade

Oracle databases from lower versions to 19c. KEY

FEATURES In-depth practical demonstration of Oracle
database upgrades with various real-time scenarios.

Step-by-step illustration of each Oracle database

upgrade and downgrade method. Fastest ever multiple

Oracle databases upgrade. DESCRIPTION 'Oracle 19c

AutoUpgrade Best Practices' is a simple cookbook for

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database professionals to upgrade from lower versions to 19c or downgrade from 19c to lower versions This book is dedicated solely to demonstrate upgrading Oracle Databases to 19c by using AutoUpgrade tool. It has a very good explanation about different AutoUpgrade processing modes (Analyze, Fixup, Deploy, and Upgrade) and various stages that the AutoUpgrade job runs while performing database upgrade. Multiple chapters in this book covers various scenarios with detailed steps for upgrading Oracle database from versions 11g/12c/18c to version 19c and Downgrading from 19c to 11g/12c/18c. By the end of this book, every Oracle DBA can gain real-time experience

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and become a master in upgrading and downgrading oracle databases (Standalone, RAC, Standby) using AutoUpgrade Utility. **WHAT YOU WILL LEARN** Learn to use the Oracle database upgrade tool AutoUpgrade for various DB challenges. Understand how to convert a non-container database to a 19c pluggable database.

Get to know how to upgrade multiple databases of different versions to 19c in a single operation. **WHO THIS BOOK IS FOR** This book is intended for Oracle DBA students, Database administrators, Database Architects and anyone else who want to improve their database upgrade or downgrade skills in a concise and understandable manner. **TABLE OF CONTENTS** 1.

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Introduction to DB Upgrades 2. Upgrading Oracle Database from 11.2.0.4 to 19.9.0 Using dbupgrade (Manual) 3. Upgrading Oracle Database from 11.2.0.4 to 19.9.0 (Using AutoUpgrade) 4. Upgrading and Converting 12c non-CDB as 19c PDB 5. Upgrading Oracle Multitenant Database from 12c/18c to 19c 6. Upgrading and Converting 12c non-CDB as 19c PDB (using AutoUpgrade) 7. Upgrading Multiple Database Versions (11g/12c/18c) to 19c Using the Single AutoUpgrade Command

Using real-world examples and hands-on tasks, Oracle Data Guard 11gR2 Administration Beginner's Guide will give you a solid foundation in Oracle Data Guard. It has

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been designed to teach you everything you need to know to successfully create and operate Data Guard environments with maximum flexibility, compatibility, and effectiveness. If you are an Oracle database administrator who wants to configure and administer Data Guard configurations, then "Oracle Data Guard 11gR2 Administration Beginner's Guide" is for you. With a basic understanding of Oracle database administration, you'll be able to easily follow the book.

Demonstrates how to construct and properly build PL/SQL packages, providing a full-use shareware version of PL/Vision and a library of dozens of packages written by the author on the companion disk. Original.

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(Advanced).

Use this fast-paced and comprehensive guide to build cloud-based solutions on Oracle Cloud Infrastructure. You will understand cloud infrastructure, and learn how to launch new applications and move existing applications to Oracle Cloud. Emerging trends in software architecture are covered such as autonomous platforms, infrastructure as code, containerized applications, cloud-based container orchestration with managed Kubernetes, and running serverless workloads using open-source tools. Practical examples are provided. This book teaches you how to self-provision the cloud resources you require to run and scale your

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custom cloud-based applications using a convenient web console and programmable APIs, and you will learn how to manage your infrastructure as code with Terraform. You will be able to plan, design, implement, deploy, run, and monitor your production-grade and fault-tolerant cloud software solutions in Oracle's data centers across the world, paying only for the resources you actually use. Oracle Cloud Infrastructure is part of Oracle's new generation cloud that delivers a complete and well-integrated set of Infrastructure as a Service (IaaS) capabilities (compute, storage, networking), edge services (DNS, web application firewall), and Platform as a Service (PaaS) capabilities (such as Oracle

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Autonomous Database which supports both transactional and analytical workloads, the certified and fully managed Oracle Kubernetes Engine, and a serverless platform based on an open-source Fn Project). What You Will Learn Build software solutions on Oracle Cloud Automate cloud infrastructure with CLI and Terraform Follow best practices for architecting on Oracle Cloud Employ Oracle Autonomous Database to obtain valuable data insights Run containerized applications on Oracle's Container Engine for Kubernetes Understand the emerging Cloud Native ecosystem Who This Book Is For Cloud architects, developers, DevOps engineers, and technology students and others who want to learn how to

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build cloud-based systems on Oracle Cloud Infrastructure (OCI) leveraging a broad range of OCI Infrastructure as a Service (IAAS) capabilities, Oracle Autonomous Database, and Oracle's Container Engine for Kubernetes. Readers should have a working knowledge of Linux, exposure to programming, and a basic understanding of networking concepts. All exercises in the book can be done at no cost with a 30-day Oracle Cloud trial.

Oracle BI 11g

Oracle GoldenGate With Microservices

Oracle 19c AutoUpgrade Best Practices

A Step-by-step Expert-led Database Upgrade Guide to

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Oracle 19c Using AutoUpgrade Utility (English Edition) Programming with Packages

Oracle Database 12c

*Walking in the world of flowers,
surrounded by all living things. He was
born with a pure Yang body constitution
and had the ability to see through other
people's world. It was his duty to save
the dying and help the wounded. Deceit and
deceit were the changes in his life. In the
eyes of the enemy, he was cunning,
treacherous, and utterly despicable. In
the eyes of the world, he was benevolent,*

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kind, and a genius doctor who cared about the world. In the eyes of women, he was handsome, sunny, and a great hero. Enterprise Manager 12c (EM12c), Oracle's newest and fully-integrated enterprise management product, now 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

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upon to deliver reliable database service in today's increasingly chaotic and change-driven IT 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.

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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

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EM12c features. Explains the changes in EM12c, included trusted extensions.

Focuses on advanced aspects of the EM12c interface.

GoldenGate exchanges data among systems in a timely manner and meets the demand for real-time access to information regardless of volume. The new release, 12c, includes an optimized database, intelligent and integrated delivery capabilities, expanded heterogeneity, and tighter security.

Perform zero downtime data migration to on-premise or public cloud with GoldenGate's

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feature-rich portfolio. Start with the installation and learn the design concepts and enhanced configuration of GoldenGate 12c. Exploit new 12c features to successfully implement GoldenGate on your enterprise. Dive deep into configuring GoldenGate for high availability, DDL support, and reverse processing. Build fast, secure, robust, scalable technical solutions by tuning data delivery and networks. Finally, enrich your data replication knowledge by learning the troubleshooting tips.

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*Oracle Data Guard 11gR2 Administration
Beginner's Guide*