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Advanced Oracle PL/SQL Developer's Guide Saurabh K. Gupta, 2016-02-15 Master the advanced concepts of PL SQL for professional level certification and learn the new capabilities of Oracle Database 12c About This Book Learn advanced application development features of Oracle Database 12c and prepare for the 1Z0 146 examination Build robust and secure applications in Oracle PL SQL using the best practices Packed with feature demonstrations and illustrations that will help you learn and understand the enhanced capabilities of Oracle Database 12c Who This Book Is For This book is for Oracle developers responsible for database management Readers are expected to have basic knowledge of Oracle Database and the fundamentals of PL SQL programming Certification aspirants can use this book to prepare for 1Z0 146 examination in order to be an Oracle Certified Professional in Advanced PL SQL What You Will Learn Learn and understand the key SQL and PL SQL features of Oracle Database 12c Understand the new Multitenant architecture and Database In Memory option of Oracle Database 12c Know more about the advanced concepts of the Oracle PL SQL language such as external procedures securing data using Virtual Private Database VPD SecureFiles and PL SQL code tracing and profiling Implement Virtual Private Databases to prevent unauthorized data access Trace analyze profile and debug PL SQL code while developing database applications Integrate the new application development features of Oracle Database 12c with the current concepts Discover techniques to analyze and maintain PL SQL code Get acquainted with the best practices of writing PL SQL code and develop secure applications In Detail Oracle Database is one of the most popular databases and allows users to make efficient use of their resources and to enhance service levels while reducing the IT costs incurred Oracle Database is sometimes compared with Microsoft SQL Server however Oracle Database clearly supersedes SQL server in terms of high availability and addressing planned and unplanned downtime Oracle PL SQL provides a rich platform for application developers to code and build scalable database applications and introduces multiple new features and enhancements to improve development experience *Advanced Oracle PL SQL Developer s Guide Second Edition* is a handy technical reference for seasoned professionals in the database development space This book starts with a refresher of fundamental concepts of PL SQL such as anonymous block subprograms and exceptions and prepares you for the upcoming advanced concepts The next chapter introduces you to the new features of Oracle Database 12c not limited to PL SQL In this chapter you will understand some of the most talked about features such as Multitenant and Database In Memory Moving forward each chapter introduces advanced concepts with the help of demonstrations and provides you with the latest update from Oracle Database 12c context This helps you to visualize the pre and post applications of a feature over the database releases By the end of this book you will have become an expert in PL SQL programming and will be able to implement advanced concepts of PL SQL for efficient management of Oracle Database Style and approach The book follows the structure of the Oracle Certification examination but doesn t restrict itself to the exam objectives Advanced concepts have been explained in an easy to

understand style supported with feature demonstrations and case illustrations

Oracle APEX Reporting Tips & Tricks
George Bara, 2013-05-02 Take advantage of all the exciting Reporting features of Oracle Application Express 4.2 Designed for a hands on approach this book contains in depth practical guidelines from George Bara a well known Oracle APEX expert and blogger From Classic to Interactive Reports Web Services and PDF Printing Oracle APEX Reporting Tips Tricks is a must have for all database developers that want to make the most out of the Oracle APEX reporting engine *Oracle Application Express Administration* Francis Mignault, Luc Demanche, 2016-10-22 Succeed in managing Oracle Application Express APEX environments This book focuses on creating the right combination of scalability high 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 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 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 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 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 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 upgrade backup and recovery and the ongoing monitoring of the APEX engine and the applications built upon it *Oracle Mobile Application Framework*

Developer Guide: Build Multiplatform Enterprise Mobile Apps Luc Bors, 2014-10-06 Master Oracle Mobile Application Framework In Oracle Mobile Application Framework Developer Guide Oracle ACE Luc Bors explains how to use this powerful tool to create multiplatform mobile apps based on a single code base Detailed examples and ready to use code are provided throughout the book A complete step by step sample application highlights the robust functionality of Oracle Mobile Application Framework including data visualization UX patterns geographical maps push notifications and more Take full advantage of the visual and declarative development features of Oracle Mobile Application Framework with help from this Oracle Press resource Configure your IDE for Android and Apple iOS application development Build AMX pages and task flows for mobile applications Work with the binding layer and data controls Create application features and configure access to them in the springboard and navigation bar Call web services using a data control and create an on device database Implement device interaction services Debug test and secure Oracle Mobile Application Framework applications Build an interactive sample app that maximizes Oracle Mobile Application Framework capabilities

Expert Oracle Application Express John Scott, Doug Gault, Raj Mattamal, Anton Nielsen, Martin DSouza, Dimitri Gielis, Roel Hartman, Francis Mignault, Dietmar Aust, Michael Hichwa, Denes Kubicek, Dan McGhan, Sharon Kennedy, 2011-08-04 Expert Oracle Application Express brings you groundbreaking insights into developing with Oracle s enterprise level rapid development tool from some of the best practitioners in the field today Oracle Application Express APEX is an entirely web based development framework that is built into every edition of Oracle Database The framework rests upon Oracle s powerful PL SQL language enabling power users and developers to rapidly develop applications that easily scale to hundreds even thousands of concurrent users The 13 authors of Expert Oracle Application Express build their careers around APEX They know what it takes to make the product sing developing secure applications that can be deployed globally to users inside and outside a large enterprise The authors come together in this book to share some of their deepest and most powerful insights into solving the difficult problems surrounding scalability globalization configuration and lifecycle management and more You ll learn about debugging and performance deep secrets to customizing your application user interface how to secure applications from intrusion and about deploying globally in multiple languages Expert Oracle Application Express is truly a book that will move you and your skillset a big step towards the apex of Application Express development Presents best practices and development insights from leading experts in the field Addresses globalization scalability security and other concerns of enterprise level development Shows how to customize APEX for your own application needs

Oracle Cloud Infrastructure Vijay Kumar, 2024-08-13 DESCRIPTION Public and enterprise clouds have forever changed the way enterprises build their applications With access to seemingly unlimited resources compute and storage capacity businesses have started building and delivering application solutions at a never seen before pace This book introduces the reader to OCI and many enterprise grade cloud native services that OCI offers to businesses to help them build and enhance cloud native

applications to match the ever evolving customer requirements The book begins with the basics of cloud computing and OCI then moves to advanced topics like infrastructure as code containers Kubernetes and serverless computing Readers will learn to build and deploy scalable resilient applications using OCI s cloud native services The book also covers API management event driven architectures and data solutions With insights into no code development and AI services this guide helps developers leverage OCI to create innovative and efficient applications The book is written in a manner that readers at every stage of their cloud learning path can benefit from the material and implement the knowledge gained with real world applications

KEY FEATURES Understand the basics of OCI Introduction to cloud native applications their benefits and architecture Utilize OCI cloud native services to build applications for the cloud in the cloud **WHAT YOU WILL LEARN** Master OCI fundamentals including IaaS PaaS and SaaS Build cloud native applications using Docker Kubernetes and serverless architecture Effectively manage infrastructure with IaC APIs and event driven patterns Leverage AI ML and data solutions on OCI Accelerate development with low code no code tools and optimize application performance **WHO THIS BOOK IS FOR** The book is designed for students application developers architects and DevOps engineers who either are already familiar with cloud native applications and cloud services or are just getting started on their cloud journey

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Agile Oracle Application Express Patrick Cimolini, Karen Cannell, 2012-06-12 Agile Oracle Application Express shows how skilled motivated and self organizing developers can realize extraordinary commercial benefits from Oracle Application Express The secret is to couple Application Express with an agile software development approach This book leads the way Oracle Application Express is well suited to agile processes with its support for rapid prototyping and team development Application Express supports a gamut of enabling technologies such as SQL HTML CSS JavaScript and more that enable you to deliver any type of web application to meet your development needs Agile Oracle Application Express helps you take the feature set of Application Express and marry it with the processes of agile development to iteratively design create and deliver quality applications on time and within budget

Modelling and Development of Intelligent Systems Dana Simian, Laura Florentina Stoica, 2021-02-12 This volume constitutes the refereed proceedings of the 7th International Conference on Modelling and Development of Intelligent Systems MDIS 2020 held in Sibiu Romania in October 2020 Due to the COVID 19 pandemic the conference was held online The 25 revised full papers presented in the volume were carefully reviewed and selected from 57 submissions The papers are organized in topical sections on evolutionary computing intelligent systems for decision support machine learning mathematical models

for development of intelligent systems modelling and optimization of dynamic systems ontology engineering **OCP Oracle Database 11g New Features for Administrators Exam Guide (Exam 1Z0-050)** Sam R. Alapati, 2008-05-14 A Fully Integrated Study System for OCP Exam 1Z0 050 Prepare for the Oracle Certified Professional Oracle Database 11g New Features for Administrators exam with help from this exclusive Oracle Press guide In each chapter you ll find challenging exercises practice questions a two minute drill and a chapter summary to highlight what you ve learned This authoritative guide will help you pass the test and serve as your essential on the job reference Get complete coverage of all OCP objectives for exam 1Z0 050 including Installation and upgrades Partitioning and storage Intelligent infrastructure Diagnostics and fault management Performance Oracle Recovery Manager and Oracle Flashback Security Oracle SQL Performance Analyzer SQL plan management Automatic SQL tuning On the CD ROM One full practice exam that simulates the actual OCP exam Detailed answers and explanations Score report performance assessment tool Complete electronic book Bonus exam available free with online registration **AWS Certified SysOps Administrator Official Study Guide** Stephen Cole, Gareth Digby, Chris Fitch, Steve Friedberg, Shaun Qualheim, Jerry Rhoads, Michael Roth, Blaine Sundrud, 2017-09-19 Comprehensive interactive exam preparation and so much more The AWS Certified SysOps Administrator Official Study Guide Associate Exam is a comprehensive exam preparation resource This book bridges the gap between exam preparation and real world readiness covering exam objectives while guiding you through hands on exercises based on situations you ll likely encounter as an AWS Certified SysOps Administrator From deployment management and operations to migration data flow cost control and beyond this guide will help you internalize the processes and best practices associated with AWS The Sybex interactive online study environment gives you access to invaluable preparation aids including an assessment test that helps you focus your study on areas most in need of review and chapter tests to help you gauge your mastery of the material Electronic flashcards make it easy to study anytime anywhere and a bonus practice exam gives you a sneak preview so you know what to expect on exam day Cloud computing offers businesses a cost effective instantly scalable IT infrastructure The AWS Certified SysOps Administrator Associate credential shows that you have technical expertise in deployment management and operations on AWS Study exam objectives Gain practical experience with hands on exercises Apply your skills to real world scenarios Test your understanding with challenging review questions Earning your AWS Certification is much more than just passing an exam you must be able to perform the duties expected of an AWS Certified SysOps Administrator in a real world setting This book does more than coach you through the test it trains you in the tools procedures and thought processes to get the job done well If you re serious about validating your expertise and working at a higher level the AWS Certified SysOps Administrator Official Study Guide Associate Exam is the resource you ve been seeking **Microservices** Antonio Bucchiarone, Nicola Dragoni, Schahram Dustdar, Patricia Lago, Manuel Mazzara, Victor Rivera, Andrey Sadovkyh, 2019-12-11 This book describes in contributions by scientists and practitioners the development of

scientific concepts technologies engineering techniques and tools for a service based society The focus is on microservices i e cohesive independent processes deployed in isolation and equipped with dedicated memory persistence tools which interact via messages The book is structured in six parts Part 1 Opening analyzes the new and old challenges including service design and specification data integrity and consistency management and provides the introductory information needed to successfully digest the remaining parts Part 2 Migration discusses the issue of migration from monoliths to microservices and their loosely coupled architecture Part 3 Modeling introduces a catalog and a taxonomy of the most common microservices anti patterns and identifies common problems It also explains the concept of RESTful conversations and presents insights from studying and developing two further modeling approaches Next Part 4 is dedicated to various aspects of Development and Deployment Part 5 then covers Applications of microservices presenting case studies from Industry 4 0 Netflix and customized SaaS examples Eventually Part 6 focuses on Education and reports on experiences made in special programs both at academic level as a master program course and for practitioners in an industrial training As only a joint effort between academia and industry can lead to the release of modern paradigm based programming languages and subsequently to the deployment of robust and scalable software systems the book mainly targets researchers in academia and industry who develop tools and applications for microservices

OCA Oracle Database SQL Exam Guide (Exam 1Z0-071) Steve O'Hearn, 2017-08-25 A fully updated integrated self study system for the Oracle Database SQL Exam This thoroughly revised Oracle Press guide offers 100% coverage of all objectives on the latest version of the Oracle Database SQL Exam Ideal both as a study guide and on the job reference OCA Oracle Database SQL Exam Guide Exam 1Z0 071 features detailed explanations examples practice questions and chapter summaries Certification Objectives Exam Watch and On the Job sections reinforce salient points throughout You will gain access to two complete practice exams that match the tone tenor and format of the live test Get complete coverage every topic on Exam 1Z0 071 including DDL and SQL SELECT statements Manipulating restricting and sorting data Single row and group functions Displaying data from multiple tables Subqueries Schema objects Set operators Grouping related data Report creation Data dictionary views Large data sets Hierarchical retrieval Regular expression support User access control The electronic includes Two full practice exams Detailed answers and explanations

Oracle APEX Cookbook Marcel Van Der Plas, Michel Van Zoest, 2013-10-25 As a Cookbook this book enables you to create APEX web applications and to implement features with immediately usable recipes that unleash the powerful functionality of Oracle APEX 4 2 Each recipe is presented as a separate standalone entity and the reading of other prior recipes is not required It can be seen as a reference and a practical guide to APEX development This book is aimed both at developers new to the APEX environment and at intermediate developers More advanced developers will also gain from the information at hand If you are new to APEX you will find recipes to start development and if you are an experienced user you will find ways to improve your productivity and efficiency and make the most of APEX to enhance your applications A

little knowledge of PL SQL HTML and JavaScript is assumed Oracle Application Express: Build Powerful Data-Centric Web Apps with APEX Arie Geller, Brian Spendolini, 2017-05-05 Develop Robust Modern Web Applications with Oracle Application Express Covers APEX 5.1 Easily create data reliant web applications that are reliable scalable dynamic responsive and secure using the detailed information contained in this Oracle Press guide Oracle Application Express APEX Build Powerful Data Centric Web Apps with APEX features step by step application development techniques real world coding examples and best practices You will find out how to work with the App Builder and Page Designer use APEX themes responsive and mobile included templates and wizards and design and deploy custom web apps New and updated features in APEX 5.0.5.1 are thoroughly covered and explained Understand APEX concepts and programming fundamentals Plan and control the development cycle using HLD techniques Use APEX themes and templates including Universal Theme Use APEX wizards to rapidly build forms and reports on database tables Build modern dynamic and interactive user interface using the Page Designer Increase user experience using Dynamic Actions Ajax included Build and utilize the new APEX 5.1 Interactive Grid Implement App Logic with APEX computations validations and processes Use automatic built in and manual DML to manipulate your data Handle security at browser application and database levels Successfully deploy the developed APEX apps Oracle Application Express Forms Converter Douwe Pieter van den Bos, 2009 Packed with plentiful screenshots and clear explanations this book is a step by step tutorial that demonstrates a successful Oracle Forms to Oracle APEX Conversion project This book is for Oracle Forms developers who want to migrate to Oracle APEX The book will also be useful for Oracle APEX developers who want to convert their older Forms applications to Oracle APEX applications

Oracle APEX Priyanka Agarwal, 2017-05-08 After Great response of Oracle APEX Tips and Tricks I Priyanka Agarwal is releasing her second book in series Oracle APEX Tips and Tricks II contains step by step application development techniques real world coding examples and best practices You will find out how to work with the App Builder and Page Designer use APEX themes responsive and mobile included templates and wizards and design and deploy custom web apps Helps understand APEX concepts and programming fundamentals Make the most of Oracle Apex with this guide to best practices and its Tips and Tricks II It will help you look at the bigger picture when building applications and take more elements into account and deal with everyday common issues that are faced Who This Book Is For This book is filled with tips on how to make the most of Oracle APEX Developers beginning with application development as well as those who are experienced will benefit from this book You will need to have basic knowledge of SQL and PL SQL to follow the examples in this book In Detail Have you ever wanted to create real world database applications In this book you re not only getting APEX best practices and tricks but will also take into account the total environment of an APEX application and benefit from it Oracle APEX Tips and Tricks will guide you through the development of real world applications It will give you a broader view of APEX The various aspects include setting up APEX environment testing and debugging security and getting the best out of SQL and PL SQL

Oracle APEX Tips and Tricks is where practical development begins Published by MeetCoogles *Applied Oracle Security: Developing Secure Database and Middleware Environments* David Knox, Scott Gaetjen, Hamza Jahangir, Tyler Muth, Patrick Sack, Richard Wark, Bryan Wise, 2009-11-05 Cutting edge techniques from leading Oracle security experts This Oracle Press guide demonstrates practical applications of the most compelling methods for developing secure Oracle database and middleware environments You will find full coverage of the latest and most popular Oracle products including Oracle Database and Audit Vaults Oracle Application Express and secure Business Intelligence applications Applied Oracle Security demonstrates how to build and assemble the various Oracle technologies required to create the sophisticated applications demanded in today's IT world Most technical references only discuss a single product or product suite As such there is no roadmap to explain how to get one product product family or suite to work with another This book fills that void with respect to Oracle Middleware and Database products and the area of security

The JobBank Guide to Computer & High-tech Companies, 1999

Oracle Application Express by Design Patrick Cimolini, 2017-11-01 Learn the many design decisions that must be made before starting to build a large Oracle Application Express APEX application for the cloud or enterprise One of APEX's key strengths is the fact that it is a Rapid Application Development RAD tool This is also a major weakness when it tempts developers to start coding too soon Small applications that consist of tens of pages can be coded without a lot of design work because they can be re factored quickly when design flaws are discovered Design flaws in large cloud and enterprise applications that consist of hundreds or thousands of pages are not so easy to re factor due to the time needed to redevelop and retest the application not to mention the risk of breaking functionality in subtle ways Designing a large application before coding starts is a profitable exercise because a thoughtful design goes a long way in mitigating cost overruns and schedule slippage while simultaneously enhancing quality This book takes into account perspectives from other non developer stakeholders such as maintenance developers business analysts testers technical writers end users and business owners Overlooking these perspectives is one of the chief causes of expensive rework late in the development cycle

Oracle Application Express by Design illustrates APEX design principles by using architecture diagrams screen shots and explicit code snippets to guide developers through the many design choices and complex interrelationship issues that must be evaluated before embarking on large APEX projects This book Guides you through important up front APEX design decisions Helps you to optimize your design by keeping all stakeholders in mind Explicit code examples show how design impacts cost schedule and quality What You Will Learn Pick and choose from the list of designs before coding begins Bake optimal quality into the underlying fabric of an APEX application Think and design from outside the developer's narrow perspective Optimize APEX application designs to satisfy multiple stakeholder groups Evaluate design options through hands on explicit code examples Define and measure success for large cloud and enterprise APEX applications Who This Book Is For APEX developers and development teams

Beginning Oracle Application Express Rick Greenwald, 2011-03-16 This

book shows you how to master Application Express to build effective web based Oracle database applications The author provides hands on step by step guidance on the complete development process through creating customizing and extending the application In addition to presenting how to build a simple application this guide also details reporting and charting themes and templates and security Additionally it demonstrates how to use packaged applications and how to work with multiple applications Data migration and integration with the Oracle environment is also discussed

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