

# Oracle Database 11gR2 Upgrade Companion (Version 2.70)

8/10/2011

Welcome to the Oracle Database 11gR2 Upgrade Companion. This Upgrade Companion helps you to upgrade from either Oracle® Release 2 (9.2) or Oracle Database 10g to Oracle Database 11g Release 2, and includes pre-upgrade, upgrade, and post-upgrade guidance. Oracle continually updates this document as new information becomes available. Please check this document prior to performing any upgrade.

**NOTE:** The Upgrade Companion is an instructional document that serves as a companion to the Oracle Database documentation set. The Upgrade Companion:

- Does not supply automation tools
- Does not replace the [Oracle Database 11g Upgrade Guide](#)
- Describes the upgrade for generic database only. Database upgrade requirements for customer or Oracle applications should be factored into the upgrade as recommended by the product documentation.

For advice or onsite assistance during a database upgrade, see the [Accelerate Technology Adoption](#) page or the [Oracle Consulting Upgrade Services](#) page. Oracle Advanced Customer Services helps you make better IT decisions by providing you with the option to develop a personalized technology strategy and long-term operational plan for a successful transition to new Oracle capabilities. Oracle Consulting is a low risk cost-effective choice for Oracle upgrades. The Oracle Consulting service can be provided in partnership with your in-house staff, in close coordination with your chosen service provider, or as a remote service.

For application upgrades, see your application documentation and My Oracle Support. For your convenience, the following list shows some common E-Business Suite My Oracle Support documents. For a complete list of documents, see My Oracle Support.

## Oracle E-Business Suite:

- [Document 881505.1](#): Interoperability Notes Oracle EBS 11i with Oracle Database 11gR2 (11.2.0.2)
- [Document 1058763.1](#): Interoperability Notes EBS R12 with Database 11gR2

## Modifications

### Version 2.70 August 10, 2011

#### Behavior Changes

- Added content for JOB\_QUEUE\_PROCESSES change.
- Added content for Datafile Write Errors change.

### Version 2.60 June 28, 2011

Modified guide to include changes introduced with Oracle Release 11.2.0.2.

### Version 2.50 March 28, 2011

#### Upgrade Planning > Technical Planning

- Added references to the Upgrade/Patch Planner and Certify Toolset under "Scripts and Tools"

### Version 2.40 August 2, 2010

Modified reference links to point to My Oracle Support instead of MetaLink.

Some documents were still pointing to the beta document site. Modified these links.

### Version 2.30 September 30, 2009

Published Guide to all customers now that 11gR2 has been released.

Removed disclaimer for beta documents. 11gR2 is no longer a beta release.

# Oracle R1upgrade Guide

**Yi-Tong Ma**



## **Oracle R1upgrade Guide:**

**Oracle Database 11g R2 Step-By-Step Installation Guide** Sideris Courseware Corp,2014-05-14 A major prerequisite for the usage and deployment of Oracle database technology is a successful installation The purpose of this Oracle 11g training course module is to offer a step by step guide for the configuration of a Linux or Microsoft Windows server to host an Oracle database Enterprise Edition installation Especially in a Linux environment installation of the database requires careful preparation configuration and sometimes troubleshooting in order to succeed This course includes practical tips learned from many real world installations which can assist you to achieve a successful installation in your environment We will explore both a standalone database installation and also a grid infrastructure installation Major objectives covered within this guide book include Configuration of the Linux and Microsoft Windows operating systems in anticipation of a database installation Performing a Desktop Class installation of the Oracle 11g R2 Enterprise Edition database Performing a Server Class installation of the Oracle 11g R2 Enterprise Edition database Addressing configuration and setup issues using the FixUp utility Verification of a valid database installation Database administrator and technical support interface options including the use of Enterprise Manager command line SQL Plus and terminal console SSH Preparing a host system for the Grid Infrastructure and Oracle RDBMS installations and performing those installations Preparing a host system for ASM storage management Partitioning and configuration of storage devices for ASM storage on both Linux and MS Windows servers While this course module applies specifically to the installation of the Enterprise Edition of the Oracle database it covers basic topics which apply to any Oracle software installation Therefore this material is also useful for the installation of other Oracle products such as the Oracle Database Client specialized options for a database server installation and so on

Oracle SOA Suite 11g R1 Developer's Guide Antony Reynolds,Matt Wright,2010-07-01 Develop Service Oriented Architecture Solutions with the Oracle SOA Suite with this book and eBook *Oracle 11g R1/R2 Real Application Clusters Essentials* Ben Prusinski,Syed Jaffer Hussain,2011-05-23 Annotation Oracle RAC or Real Application Clusters is a grid computing solution that allows multiple nodes servers in a clustered system to mount and open a single database that resides on shared disk storage Should a single system node fail the database service will still be available on the remaining nodes Oracle RAC is an integral part of the Oracle database setup You have one database with multiple users accessing it in real time This book will enable DBAs to get their finger on the pulse of the Oracle 11g RAC environment quickly and easily This book will cover all areas of the Oracle RAC environment and is indispensable if you are an Oracle DBA who is charged with configuring and implementing Oracle11g R1 with bonus R2 information included This book presents a complete method for the configuration installation and design of Oracle 11g RAC ultimately enabling rapid administration of Oracle 11g RAC environments This practical handbook documents how to administer a complex Oracle 11g RAC environment Packed with real world examples expert tips and troubleshooting advice the book begins by introducing the concept of Oracle RAC and

High Availability It then dives deep into the world of RAC configuration installation and design enabling you to support complex RAC environments for real world deployments Chapters cover Oracle RAC and High Availability Oracle 11g RAC Architecture Oracle 11g RAC Installation Automatic Storage Management Troubleshooting Workload Management and much more By following the practical examples in this book you will learn every concept of the RAC environment and how to successfully support complex Oracle 11g R1 and R2 RAC environments for various deployments within real world situations This book is the updated release of our previous Oracle 11g R1 R2 Real Application Clusters Handbook If you already own a copy of that Handbook there is no need to upgrade to this book     Oracle Database Upgrade and Migration Methods Y V Ravikumar,K M Krishnakumar,Nassyam Basha,2017-03-01 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 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 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 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 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     *Experiences with Oracle Database 12c Release 1 on Linux on System z* Arrell Kathryn,Mike Ebbers,Sam Amsavelu,Gaylan Braselton,Terry Elliott,Leon Rich,Barton Robinson,David Simpson,IBM Redbooks,2014-05-13 Oracle Database 12c Release 1 is now supported on Linux on IBM System z This platform offers many advantages to customers who rely upon the IBM mainframe systems to run their businesses Linux on System z takes advantage of the qualities of service in the System z hardware and in IBM z VM making it a robust industrial strength version of Linux This provides an excellent platform for hosting Oracle solutions that run in an enterprise This IBM Redbooks

publication shares experiences that are gained while installing and testing Oracle Database 12c Release 1 Recommendations about how to set up an infrastructure Installing an Oracle Grid Infrastructure Installing Oracle 12C R1 Real Application Clusters RAC and creating a RAC Database including a multitenant database Using the Cloud Control Agent to manage Oracle Database 12c Release 1 Installing Oracle WebLogic Server 12c Upgrading from an Oracle Database from 11gR2 to 12c Release 1 The audience for this publication includes database consultants installers administrators and system programmers This publication is not meant to replace Oracle documentation but to supplement it with our experiences while installing and using Oracle products

*Installation and Configuration Guide for MicroStrategy 10* MicroStrategy Product Manuals, 2015-06-04

Oracle Database Upgrade, Migration & Transformation Tips & Techniques Edward Whalen, Jim Czuprynski, 2015-06-12 A practical roadmap for database upgrade migration and transformation This Oracle Press guide provides best practices for migrating between different operating systems and platforms transforming existing databases to use different storage or enterprise systems and upgrading databases from one release to the next Based on the expert authors real world experience Oracle Database Upgrade Migration Transformation Tips Techniques will help you choose the best migration path for your project and develop an effective methodology Code examples and detailed checklists are included in this comprehensive resource Leverage the features of Oracle Data Guard to migrate an Oracle Database Use Oracle Recovery Manager transportable tablespace sets and transportable database toolsets to migrate between platforms Migrate databases with export import Use Oracle GoldenGate for zero or near zero downtime migrations Take advantage of the Cross Platform Transportable Tablespace Set utility Migrate to new storage platforms using the features of Oracle Automatic Storage Management Upgrade to Oracle Database 12c with the Database Upgrade Assistant tool Move seamlessly to Oracle s engineered systems Migrate to the cloud

**Practical Oracle E-Business Suite** Syed Zaheer, Erman Arslan, 2016-09-30 Learn to build and implement a robust Oracle E Business Suite system using the new release EBS 12.2 This hands on real world guide explains the rationale for using an Oracle E Business Suite environment in a business enterprise and covers the major technology stack changes from EBS version 11i through R12.2 You will learn to build up an EBS environment from a simple single node installation to a complex multi node high available setup Practical Oracle E Business Suite focuses on release R12.2 but key areas in R12.1 are also covered wherever necessary Detailed instructions are provided for the installation of EBS R12.2 in single and multi node configurations the logic and methodology used in EBS patching and cloning of EBS single node and complex multi node environments configured with RAC This book also provides information on FMW used in EBS 12.2 as well as performance tuning and EBS 12.2 on engineered system implementations What You Will Learn

- Understand Oracle EBS software and the underlying technology stack components
- Install configure Oracle E Business Suite R12.2 in simple and HA complex setups
- Manage Oracle EBS 12.2
- Use online patching adop for Installation of Oracle EBS patches
- Clone an EBS environment in simple and complex

configurations  
 Perform and tune Oracle EBS in all layers Application DB OS NW  
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 Who This Book Is For  
 Developers data architects and data scientists looking to integrate the most successful big data open stack architecture and how to choose the correct technology in every layer

**OCA / OCP: Introduction to Oracle9i SQL Study Guide** Chip Dawes, Biju Thomas, 2006-02-20 Here is the book you need to prepare for Exam 1Z0 007 Introduction to Oracle9i In depth coverage of official exam objectives Practical information on using SQL in a real world Oracle9i environment Hundreds of challenging review questions in the book and on the CD Authoritative coverage of all exam objectives including Writing basic SQL SELECT statements Restricting and sorting data Displaying data from multiple tables Aggregating data using group functions Producing readable output with iSQL Plus Creating and managing tables Controlling user access

**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

**OCA: Oracle Database 12c Administrator Certified Associate Study Guide** Biju Thomas, 2014-05-02 An all in one study guide prepares you for the updated Oracle Certified Associate certification It has been nearly six years since Oracle updated its cornerstone database software making the demand for a comprehensive study guide for the OCA 12c certification a top priority This resource answers that demand Packed with invaluable insight chapter review questions bonus practice exams hundreds of electronic flashcards and a searchable glossary of terms this study guide prepares you for the challenging Oracle certification exams Provides you with a solid understanding of restricting and sorting data Walks you through using conversion functions and conditional expressions Addresses displaying data from multiple tables manipulating data database maintenance and database backups and recovery Explores the Oracle database architecture and discusses preparing the database environment creating an Oracle database and managing the Oracle instance Focuses on administering and implementing user security This must have study guide thoroughly prepares you to take the dramatically updated Oracle 12c OCA exams

*IBM Real Time Compression Appliance Application Integration Guide* Roland Tretau, Misa Miletic, Steven Pemberton, Tom Provost, Teddy Setiawan, IBM Redbooks, 2012-07-18 Continuing its commitment to developing and delivering

industry leading storage technologies IBM is introducing the IBM Real time Compression Appliances for NAS an innovative new storage offering that delivers essential storage efficiency technologies combined with exceptional ease of use and performance In an era when the amount of information particularly in unstructured files is exploding but budgets for storing that information are stagnant IBM Real time Compression technology offers a powerful tool for better information management protection and access IBM Real time Compression can help slow the growth of storage acquisition reducing storage costs while simplifying both operations and management It also enables organizations to keep more data available for use rather than storing it offsite or on harder to access tape so they can support improved analytics and decision making IBM Real time Compression Appliances provide online storage optimization through real time data compression delivering dramatic cost reduction without performance degradation This IBM Redbooks publication is an easy to follow guide that describes how to design solutions successfully using IBM Real time Compression Appliances IBM RTCAs It explains best practices for RTCA solution design application integration and practical RTCA use cases This is a companion book to Introduction to IBM Real time Compression Appliances SG24 7953

**Oracle 11g Release 2 für den DBA** Johannes Ahrends,2011

**Oracle API Management 12c Implementation** Luis Augusto Weir,Andrew Bell,Rolando Carrasco,Arturo Viveros,2015-09-30 Learn how to successfully implement API management using Oracle s API Management Solution 12c About This Book Explore the key concepts goals and objectives of API Management and learn how to implement it using the Oracle API Management Solution Understand the concepts and objectives of the Application Service Governance ASG along with the governance framework that encompasses people processes and technology Get to grips with API Management readiness assessments gap analysis digital reference architecture and implementation roadmaps Who This Book Is For This book is for Enterprise Architects Solution Architects Technical Architects and SOA and API consultants who want to successfully implement API Management using the Oracle API Management Solution products What You Will Learn Understand how to manage a set of APIs Discover the differences and similarities between API Management and SOA Governance and where and how these two disciplines converge into Application Services Governance ASG Grasp information about ASG and how to define an ASG governance framework Understand the challenges for organizations looking to expose APIs to the external world Identify common scenarios and how to solve them Define an Oracle API management deployment topology Install and configure Oracle API Catalog OAC Oracle API Manager OAPIM and Oracle API Gateway OAG Learn about API subscriptions and API community management with the OAPIM portal Implement Oracle API Manager OAPIM including creation publishing management and deprecation of APIs In Detail Oracle SOA Governance is a comprehensive service orientated governance solution that is designed to make the transition to SOA easier API management is the discipline that governs the software development lifecycle of APIs It defines the tools and processes needed to build publish and operate APIs including the management of the community of developers around it This book illustrates how to

successfully implement API Management in your organization To achieve this the importance of defining an API management strategy and implementation roadmap so that capabilities are implemented in the right order and timeframes is described It starts by describing all of the fundamental concepts around API Management and related disciplines such as SOA Governance and DevOps in order to dispel the confusion surrounding these topics The book then takes you on the journey of implementing API Management using a realistic case study of an organization that needs an API Management solution You will start by identifying the key business drivers to implement APIs and then create an API Management strategy and a roadmap to realize this strategy You ll then go through a number of use cases each focused on addressing specific business requirements These will help you understand each of the Oracle API Management products how they fit into an overall architecture and how to implement them The book concludes by providing some tips and guidelines around defining a deployment topology for the Oracle API Management products and the steps to install them

**Style and approach** This book is a comprehensive guide to successfully implementing a complete API Management solution from inception to implementation The initial chapters introduce you to Oracle SOA Governance and API Management and from there chapters are mainly hands on and provide a full step by step walkthrough of how to implement the products of the Oracle API management solution to address realistic use cases

*DBA Study Guide - OCP Prep Guide* Abdul,2006 *OCP: Oracle Database 11g Administrator Certified Professional Study Guide* Robert G. Freeman,Charles A. Pack,Doug Stuns,2009-05-18 This updated study guide for the latest release of the most popular database software in the world Oracle Database 11g reviews using the RMAN recovery catalog handling Flashback technology managing memory and resources automating tasks diagnosing the database and much more Plus more than 100 pages of workbook exercises help prepare you to take the 1Z0 053 exam Note CD ROM DVD and other supplementary materials are not included as part of eBook file

**Oracle Database 11g Release 2 Performance Tuning Tips & Techniques** Richard Niemiec,2012-03-22 Implement Proven Database Optimization Solutions Systematically identify and eliminate database performance problems with help from Oracle Certified Master Richard Niemiec Filled with real world case studies and best practices Oracle Database 11g Release 2 Performance Tuning Tips & Techniques details the latest monitoring troubleshooting and optimization methods Find out how to find and fix bottlenecks configure storage devices execute effective queries and develop bug free SQL and PL SQL code Testing reporting and security enhancements are also covered in this Oracle Press guide Properly index and partition Oracle Database 11g Release 2 Work with Oracle Exadata and Oracle Exalogic Elastic Cloud Efficiently manage disk drives RAID arrays and memory Tune queries with Oracle SQL hints and the TRACE utility Troubleshoot databases using V views and X tables Distribute workload using Oracle Real Application Testing Generate reports using Oracle s Statspack and Automatic Workload Repository tools Use sar vmstat and iostat to monitor system statistics This is a timely update of Rich s classic book on Oracle Database performance tuning to cover hot new topics like Oracle Database 11g Release 2 and Oracle Exadata This is a must have for



DBAs moving to these new products Andrew Mendelsohn Senior Vice President Oracle Database Server Technologies

**Getting Started with Oracle Data Integrator 11g** David Hecksel, Bernard Wheeler, 2012-01-01 Combine high volume data movement complex transformations and real time data integration with the robust capabilities of ODI in this practical guide

**A Complete Guide to Portals and User Experience Platforms** Shailesh Kumar Shivakumar, 2015-09-25 Build a Next Generation Enterprise Digital Platform with Portals and UXPA Complete Guide to Portals and User Experience Platforms provides in depth coverage of portal technologies and user experience platforms UXPs which form the key pillars of a modern digital platform Drawing on his experience in various roles in numerous portal engagements **jOOQ**

**Masterclass** Anghel Leonard, Lukas Eder, 2022-08-19 Learn the best way to write SQL in Java by taking control of SQL in your app via a type safe dynamic and versatile API that supports almost any type or feature compatible with a database and emphasizes SQL syntax correctness Key Features Write complex type safe and dynamic SQL using the powerful jOOQ API Tackle complex persistence tasks such as lazy fetching R2DBC transactions and batching while sustaining high traffic in your modern Java applications Use a comprehensive SPI to shape and extend jOOQ according to your needs Book Description jOOQ is an excellent query builder framework that allows you to emulate database specific SQL statements using a fluent intuitive and flexible DSL API jOOQ is fully capable of handling the most complex SQL in more than 30 different database dialects jOOQ Masterclass covers jOOQ from beginner to expert level using examples for MySQL PostgreSQL SQL Server and Oracle that show you how jOOQ is a mature and complete solution for implementing the persistence layer You ll learn how to use jOOQ in Spring Boot apps as a replacement for SpringTemplate and Spring Data JPA Next you ll unleash jOOQ type safe queries and CRUD operations via jOOQ s records converters bindings types mappers multi tenancy logging and testing Later the book shows you how to use jOOQ to exploit powerful SQL features such as UDTs embeddable types embedded keys and more As you progress you ll cover trending topics such as identifiers batching lazy loading pagination and HTTP long conversations For implementation purposes the jOOQ examples explained in this book are written in the Spring Boot context for Maven Gradle against MySQL Postgres SQL Server and Oracle By the end of this book you ll be a jOOQ power user capable of integrating jOOQ in the most modern and sophisticated apps including enterprise apps microservices and so on What you will learn Enable the jOOQ Code Generator in any combination of Java and Kotlin Maven and Gradle Generate jOOQ artifacts directly from database schema or without touching the real database Use jOOQ DSL to write and execute a wide range of queries for different databases Understand jOOQ type safe queries CRUD operations converters bindings and mappers Implement advanced SQL concepts such as stored procedures derived tables CTEs window functions and database views Implement jOOQ multi tenancy tuning jOOQ SPI logging and testing Who this book is for This book is for Java developers who write applications that interact with databases via SQL No prior experience with jOOQ is assumed

## Unveiling the Energy of Verbal Artistry: An Mental Sojourn through **Oracle R1upgrade Guide**

In a global inundated with displays and the cacophony of quick transmission, the profound energy and psychological resonance of verbal beauty frequently disappear into obscurity, eclipsed by the constant assault of sound and distractions. However, situated within the musical pages of **Oracle R1upgrade Guide**, a captivating work of literary brilliance that impulses with organic feelings, lies an wonderful trip waiting to be embarked upon. Penned with a virtuoso wordsmith, that interesting opus guides visitors on a mental odyssey, softly revealing the latent potential and profound impact stuck within the complicated internet of language. Within the heart-wrenching expanse of this evocative examination, we will embark upon an introspective exploration of the book is central themes, dissect their fascinating publishing model, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

<https://letsgetcooking.org.uk/results/browse/Documents/Rick%20Yancey%20Book%20List.pdf>

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## **Oracle R1upgrade Guide Introduction**

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