

# **Oracle Database Upgrade from 11g to 12c**

## **A Technical Manual**

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**Note:** In this manual the upgrade process is described for the upgrade of Oracle Database from 11.2.0.4 to 12.2.0.1 version.

# Oracle Database Upgrade Guide 11g Release 2 112

## Chapters 3 And 4

**Alex Kriegel**



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**Zero Downtime Database Upgrade and Active Active Replication Using Oracle GoldenGate 11g Release 2** Kashif Aslam,2012-07-12 A Must Have Guide for using Oracle GoldenGate in Oracle Database Upgrade and Bi Directional Replication ProjectsHarness the power of Oracle GoldenGate 11gR2 robust tool and use Oracle GoldenGate for your next Database Upgrade Project or for your High Availability requirements Your next Oracle Database Upgrade project should not be nerve wrecking and scary rather you can perform your Oracle Database Upgrade without extensive downtime with full end to end functional and performance testing capabilities Moreover Oracle GoldenGate provides you rollback capabilities like none other in case of a failed Database Upgrade If you are planning to implement High Availability or Disaster Recovery solution you can utilize Oracle GoldenGate Bi directional capabilities to not only provide you High Availability and Disaster Recovery solution but also enable you to use your other database for Read Write activity for better utilization of resources Written by Kashif Aslam who himself has performed multiple database upgrades using Oracle GoldenGate and also has implemented multiple Oracle GoldenGate replication projects including 4 way Multi Master Active Active replication this book provides step by step instructions with screenshots and sample codes to fully enable you to perform Oracle database Upgrade using Oracle GoldenGate and also setup Active Active Bi Directional replication along with detailed examples of configuring conflict detection and resolution methodologies

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**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

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## **Table of Contents Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4**

1. Understanding the eBook Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - The Rise of Digital Reading Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Advantages of eBooks Over Traditional Books
2. Identifying Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - User-Friendly Interface
4. Exploring eBook Recommendations from Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Personalized Recommendations
  - Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 User Reviews and Ratings

- Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 and Bestseller Lists
- 5. Accessing Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 Free and Paid eBooks
  - Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 Public Domain eBooks
  - Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 eBook Subscription Services
  - Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 Budget-Friendly Options
- 6. Navigating Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 eBook Formats
  - ePub, PDF, MOBI, and More
  - Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 Compatibility with Devices
  - Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Highlighting and Note-Taking Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Interactive Elements Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
- 8. Staying Engaged with Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
- 9. Balancing eBooks and Physical Books Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Setting Reading Goals Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Fact-Checking eBook Content of Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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