

Pre-requisites

1. Need to apply patch set 10.2.0.4 if you are on 10.2.0.2
2. Implement sap notes [1416158](#), [1414733](#), [1433301](#) and [1417124](#) if running with patch levels mentioned below

SAP_BASIS 7.00 SP21
SAP_BASIS 7.01 SP06
SAP_BASIS 7.02 SP03
SAP_BASIS 7.10 SP10
SAP_BASIS 7.11 SP05
SAP_BASIS 7.20 SP02

Required Patch Downloads

01. Download [11ginstall_11202_rev016.zip](#) as from sap note [1524205](#).
02. Download [p9584028_112020_Generic.zip](#) (Pre and post upgrade scripts) from sap Note [1431793](#)
03. Download SAP Bundle Patch 11.2.0.2.1 [SAP_112021_201102_SOL68444.zip](#) or [SAP_112021_201102_SOL644.zip](#) as per sap note [1500759](#) you must use OPatch version 11.2.0.1.3, MOPatch version 2.1.7 to install this SBP
04. Download the latest OPatch, MOPatch, follow sap note [1027012](#)

Notes to be refered before Upgrade

- Note [1431809](#) - Oracle 11.2.0 Client Technical Note
- Note [1398634](#) - Oracle database 11g Integration in SAP environment
- Note [1454627](#) - Additional Info Corrections to Oracle 11g Upgrade Guide
- Note [1524205](#) - Oracle 11.2.0 Database Software Installation
- Note [1431796](#) - Oracle 11.2.0 Troubleshooting the Software Installation
- Note [1431797](#) - Oracle 11.2.0 Troubleshooting the Database Upgrade
- Note [1431798](#) - Oracle 11.2.0 Database Parameter Settings
- Note [1503709](#) - Oracle 11.2.0 Patches Patch collections for 11.2.0.2
- Note [830306](#) - Oracle Critical Patch Update Program
- Note [1557318](#) - CPU patches January 2011 (Oracle Critical Update program)
- Note [1027012](#) - MOPatch - Install Multiple Oracle Patches in One Run
- Note [1477787](#) - Optimizer merge fix, for Oracle 11.2.0.1

Oracle 11g Upgrade Guide

Chao Zhang



Oracle 11g Upgrade 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 11G Administration In Simple Steps Kogent Solutions Inc.,2008-06 This book contains the step by step information about the Oracle 11g database Administration This book is for you if you are familiar with SQL and are looking for a book that effectively explains the concepts of the Oracle 11g database Administration It gives the core information about administrating the Oracle 11g database using the new and improved Enterprise Manager GUI The book contains lots of examples and helps you to perform the Oracle 11g administration in an easier way You will also find information about the Grid Architecture in this book *Oracle Database 11g New Features* Robert G. Freeman,2007-11-26 FOREWORD by Tom Kyte Your Must Have Guide to Everything New in Oracle Database 11g Realize the full potential of Oracle Database 11g with help from the experts Written by Robert G Freeman and with insightful commentary throughout from Arup Nanda this Oracle Press guide offers full details on the architectural changes database administration upgrades availability and recovery revisions security enhancements and programming innovations Every new and updated feature is covered and presented with screenshots code samples tables and charts Find out how to take full advantage of all the new and improved capabilities of Oracle Database 11g including New Oracle Automatic Storage Management features such as Fast Disk Resync

Compatibility Attributes Preferred Mirror Read and Rolling Upgrade components Improved Automated Memory Management capabilities New database design features such as virtual columns tablespace encryption and true table level data compression New Database Advisors for data recovery and repair partitioning and streams performance New tuning features such as Automatic SQL Tuning and SQL Performance Analyzer Enhancements to Oracle RMAN including active database duplication and UNDO backup optimization Improved auditing and security capabilities Advanced BI data warehousing and partitioning features New SQL and PL SQL enhancements

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

Expert Oracle Database 11g Administration Sam Alapati, 2009-01-10 Sam Alapati s Expert Oracle Database 11g Administration is a comprehensive handbook for Oracle database administrators DBAs using the 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

Oracle Business Intelligence 11g Developers Guide

Mark Rittman,2012-09-22 Master Oracle Business Intelligence 11g Reports and Dashboards Deliver meaningful business information to users anytime anywhere on any device using Oracle Business Intelligence 11g Written by Oracle ACE Director Mark Rittman Oracle Business Intelligence 11g Developers Guide fully covers the latest BI report design and distribution techniques Find out how to execute effective queries build accurate models use scorecards and KPIs create dynamic reports set up dashboards and publish to smartphones and wireless devices This Oracle Press guide contains comprehensive details on Oracle Exalytics In Memory Machine the best in class preintegrated BI platform Install or upgrade to Oracle Business Intelligence 11g Develop and manage custom Oracle Business Intelligence repositories Access relational file and multidimensional data sources Design print quality reports with Oracle Business Intelligence Publisher Create web enabled analyses dashboards and visualizations Integrate with other applications using Oracle Business Intelligence 11g Action Framework Employ authentication authorization and row level security Configure and deploy Oracle Exalytics In Memory Machine

Pro Oracle Database 11g RAC on Linux Julian Dyke,Steve Shaw,Martin Bach,2011-01-11 Pro Oracle Database 11g RAC on Linux provides full life cycle guidance on implementing Oracle Real Application Clusters in a Linux environment Real Application Clusters commonly abbreviated as RAC is Oracle s industry leading architecture for scalable and fault tolerant databases RAC allows you to scale up and down by simply adding and subtracting inexpensive Linux servers Redundancy provided by those multiple inexpensive servers is the basis for the failover and other fault tolerance features that RAC provides Written by authors well known for their talent with RAC Pro Oracle Database 11g RAC on Linux gives you a rock solid and technically flawless foundation on which to build your RAC management skills Authors Julian Dyke and Steve Shaw share their hard won experience in building RAC clusters showing you how to build for success using the very latest Oracle technologies such as Automatic Storage Management ASM and Oracle Clusterware You ll learn to troubleshoot performance and other problems You ll even learn how to correctly deploy RAC in a virtual machine environment based upon Oracle VM which is the only virtualization solution supported by Oracle Corporation RAC is a complex and powerful technology It demands expertise in its deployment You can t just wing it in creating a RAC solution Julian and Steve have earned the right to term themselves expert in Pro Oracle Database 11g RAC on Linux they offer a rigorous and technically correct treatment of RAC that helps you build a solid foundation of expertise and achieve success Rigorous and technically accurate content Complete coverage of RAC from planning to implementation to rollout to ongoing maintenance and troubleshooting Up to date with the very latest RAC features

Oracle Database 11g The Complete Reference Kevin Loney,2008-10-15 The Definitive Guide to Oracle Database 11g Get full details on the powerful features of Oracle Database 11g from this thoroughly updated Oracle Press guide Oracle Database 11g The Complete Reference explains how to use all the new features and tools execute powerful SQL queries construct PL SQL and SQL Plus statements and work with large objects and object relational databases Learn how to implement the latest security measures tune database performance and

deploy grid computing techniques An invaluable cross referenced appendix containing Oracle commands keywords features and functions is also included Install Oracle Database 11g or upgrade from an earlier version Create database tables sequences indexes views and user accounts Construct SQL statements procedures queries and subqueries Optimize security using virtual private databases and transparent data encryption Import and export data using SQL Loader and Oracle Data Pump Use SQL replay change management and result caching Avoid human errors using flashback and automatic undo management Build and tune PL SQL triggers functions and packages Develop database applications using Java JDBC and XML Optimize availability and scalability with Oracle Real Application Clusters

Upgrade Guide for MicroStrategy 10
MicroStrategy Product Manuals,2015-06-04

Oracle Database 11g DBA Handbook Bob Bryla,Kevin Loney,2007-12-27 The Essential Resource for Oracle DBAs Fully Updated and Expanded Manage a flexible highly available Oracle database with help from the expert information contained in this exclusive Oracle Press guide Fully revised to cover every new feature and utility Oracle Database 11g DBA Handbook shows how to perform a new installation upgrade from previous versions configure hardware and software for maximum efficiency and employ bulletproof security You will learn to automate the backup and recovery process provide transparent failover capability audit and tune performance and distribute your enterprise databases with Oracle Net Plan and deploy permanent temporary and bigfile tablespaces Optimize disk allocation CPU usage I O throughput and SQL queries Develop powerful database management applications Guard against human errors using Oracle Flashback and Oracle Automatic Undo Management Diagnose and tune system performance using Oracle Automatic Workload Repository and SQL Tuning Sets Implement robust security using authentication authorization fine grained auditing and fine grained access control Maintain high availability using Oracle Real Application Clusters and Oracle Active Data Guard Respond more efficiently to failure scenarios by leveraging the Oracle Automatic Diagnostic Repository and the Oracle Repair Advisor Back up and restore tables tablespaces and databases with Oracle Recovery Manager and Oracle Data Pump Export and Import Work with networked databases data warehouses and VLDBs Put the latest Oracle Database 11g tools to work Oracle Total Recall Oracle Flashback Data Archive and more

Oracle 19c AutoUpgrade Best Practices Sambaiah Sammeta,Sukumar Chillakuru,2021-11-30 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 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 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
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Oracle Database XE 11gR2 Jump Start Guide Asif Momen,2012-07-10 Build and manage your Oracle Database XE environment with this fast paced practical guide *Oracle Certified Database Administrator Oracle DbA Certification Prep Guide : 350 Questions & Answers* CloudRoar Consulting Services,2025-08-15 Prepare for the Oracle Certified Database Administrator DBA exam with 350 questions and answers covering database installation configuration security backup recovery performance tuning and troubleshooting Each question includes practical examples and detailed explanations to ensure exam readiness Ideal for Oracle DBAs and IT professionals OracleDBACertification DatabaseAdministration Security BackupAndRecovery PerformanceTuning Troubleshooting ExamPreparation TechCertifications ITCertifications CareerGrowth CertificationGuide ProfessionalDevelopment OracleSkills DatabaseSkills CloudDatabase OCP: Oracle Database 12c Administrator Certified Professional Study Guide Robert G. Freeman,Charles A. Pack,2014-08-08 An updated guide for an updated certification exam As the most popular database software in the world Oracle Database 12c has been updated for the first time in nearly six years and the changes are significant This study guide reviews how Oracle 12c allows multiple instances to be used simultaneously via the cloud You ll sharpen your skills to prepare for the three levels of certification Oracle Certified Associate Oracle Certified Professional and Oracle Certified Master Workbook exercise appendix test engine chapter review questions electronic flashcards searchable PDF glossary and two bonus practice exams all help to enhance your preparation to take the Oracle 12c exam Addresses such topics as database architecture configuring and recoverability configuring backup specifications and performing user managed backup and recovery Reviews how to use RMAN to create backups perform recovery and duplicate a database Looks at performing tablespace point in time recovery and using flashback technology Covers diagnosing the database managing memory managing resources and automating tasks Focusing 100 percent on the exam objectives OCP Oracle Database 12c Administrator Certified Professional Study

Guide is designed for those who feel they are ready to attempt this challenging exam Expert Oracle GoldenGate Ben Prusinski, Steve Phillips, Shing Chung, 2011-10-07 Expert Oracle GoldenGate is a hands on guide to creating and managing complex data replication environments using the latest in database replication technology from Oracle GoldenGate is the future in replication technology from Oracle and aims to be best of breed GoldenGate supports homogeneous replication between Oracle databases It supports heterogeneous replication involving other brands such as Microsoft SQL Server and IBM DB2 Universal Server GoldenGate is high speed bidirectional highly parallelized and makes only a light impact on the performance of databases involved in replication The authors share their experience in the form of tutorials on designing and implementing all types of Oracle GoldenGate environments You ll learn methods for tuning Oracle GoldenGate performance You ll discover GoldenGate s utility as a migration and extract transform load ETL tool You ll learn to configure highly available environments involving GoldenGate Real Application Clusters and Data Guard From installation to design to implementation and troubleshooting Expert Oracle GoldenGate helps you master all aspects of using and applying Oracle GoldenGate as the replication tool of choice in your environment Explains all aspects of using GoldenGate for replication Covers homogeneous heterogeneous and bidirectional replication Shows the use of GoldenGate for data migration and extract transform load ETL

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Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard Scott Jesse, Bill Burton, Bryan Vongray, 2011-04-22 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 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 maximum availability architecture environment

Oracle Business Intelligence and Essbase Solutions Guide Rosendo Abellera,Lakshman Bulusu,2016-11-30 This book highlights the practical aspects of using Oracle Essbase and Oracle Business Intelligence Enterprise Edition OBIEE as a comprehensive BI solution It explains the key steps involved in Oracle Essbase and OBIEE implementations Using case studies the book covers Oracle Essbase for analytical BI and data integration using OBIEE for operational BI including presentation services and BI Publisher for real time reporting services Self service BI in terms of VLDB scalability high performance stability long lasting and ease of use that saves time effort and costs while maximizing ROI

Oracle Database 12c Backup and Recovery Survival Guide Francisco Munoz Alvarez,Aman Sharma,2013-09-24 The book follows a tutorial based approach covering all the best practices for backup and recovery The book starts by introducing readers to the world of backup and recovery then moves on to teach them the new features offered by Oracle 12c The book is full of useful tips and best practices that are essential for any DBA to perform backup and recovery operations in an organization This book is designed for Oracle DBAs and system administrators The reader will have a basic working experience of administering Oracle databases This book is designed for Oracle DBAs and system administrators This book will become a reference guide and will also help you to learn some new skills and give you some new ideas you never knew about helping you to easily find the solution to some of the most well known problems you could encounter as DBAs

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