**Raghavendra Kota**

**Sr. Oracle Database Administrator**

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**Summary:**

Around 8 Years of experience in **Oracle 12c/11g/10g/9i DBA**, and have been actively involved in Installation, Configuration, Upgradation, Patching, Backup and Recovery, Migration, Memory and Space Management, Cloning, Replication, Performance Tuning, RMAN, RAC, Data Guard, OEM Grid Control.

* Extensive knowledge on **Installation**, **configuration and migration** of **Oracle 12c, 11g (11.2.0.3, 11.2.0.4)**, **10g (10.2.0.3, 10.2.0.4, 10.2.0.5)**, **9i (9.2.0.8)**, on **LINUX- RHEL, Oracle Enterprise Linux and Windows- 2000/2003**, **UNIX platforms (Solaris, HP-UX, AIX).**
* Experience in database administration forOracle **9i, 10g & 11g** with experience withinvery large scaledatabase environment and mission critical large **OLTP** and **OLAP** systems.
* Experience in **Installation, Configuration, Troubleshooting and migration of** **SQL Server 2012, 2008 R2.**
* Experience in **Installation and configuration of DB2 in AIX or Linux environments.**
* Expertise in creating **Backups & Recovery** procedures and Implementing Backup and Recovery strategies for **hot and cold Backups**.
* Experience in using **RMAN** for backup and recovery, **Materialized Views**, **Export/Import**, **Data Pump** and **Data Guard**.
* Great Knowledge in cloning database using **RMAN Duplicate**.
* Performed **FLASHBACK** features to handle efficient database recovery.
* **Migrated** database from **9i, 10g to 11g** by using **Scripts** and applied patches by **Opatch utility.**
* Experience in **Implementing**, **configuring,** **trouble shooting, switchover, failover** **of Physical Standby Data Guard** on 10g and 11g.
* Experience in administering **Oracle 12c/11gR2 in SaaS production environment** in clustered deployment.
* Experience in Oracle **Golden Gate** installation, configuration, troubleshooting GG issues.
* Configured 2-way active-active replication and 3-way multi-master replication using **Oracle Golden Gate.**
* Worked on issues raised while replicating the data using **Golden Gate**.
* Installed and configured Oracle Enterprise Manager to monitor the Databases.
* Experience in **Administering** Oracle Database using **Oracle Enterprise Manager, Toad**, **PL/SQL Developer.** Monitoring Alert log for any errors and issues.
* Implemented production and standby databases for Oracle **Exadata X2-2 and OLTP** using **customized shell scripts**.
* Performance Monitoring and Tuning of Oracle Application Servers using **Statspack, TKPROF, and OEM** for tuning on 9i and on 10g using SQL access manager, SQL tuning manager.
* Worked on Data transferring with export/import utilities and Data pump.
* Data Loading using **DATA PUMP** utilitiesand **DBVERIFY** for corruption checking.
* Good experience of Installation and configuration of **RAC (Real Application Server)** on different nodes with **ASM (automatic storage management).**
* Monitoring and maintaining 2/3 node RAC database on Red Hat Linux. Providing support to the development team and handling release schedules.
* Applying latest CPU, PSU patches from Oracle Support to the Test and Production Instances for resolving issues or Enhancing features.
* Keeping the database up to date by applying the latest **CPU and PSU** using the **OPATCH** utility.
* Extensive knowledge of Oracle **Architecture, SGA, PGA, Binary structure, Listener, TNS Names, V$ views, DBA views** and **Data modeling**, **Logical and Physical databases design**.
* Good experience in Database Creation, Partitions, Setting-up parameters, **Tablespaces, Indexes,** **User Setup, Roles, Security, Storage** and hands on experience in **network management**.
* Experience in working with **ETL** tools like **ODI (ORACLE DATA INTEGRATOR)** and other data ware housings transactions.
* On call technical support for 24x7 mission critical production databases. Willing to work beyond regular hours.
* Have **strong analytical, administration and problem-solving skills** dedicated to maintain the high quality standards. Good communication skills and ability to work independently.

**TECHNICAL SKILLS:**

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| **Operating Systems** | LINUX- RHEL, Oracle Enterprise Linux and Windows- 2000/2003, UNIX platforms (Solaris, HP-UX, AIX). |
| **RDBMS** | Oracle 12c, 11g R1/R2, 10g R1/R2, 9i, Oracle Exadata Database Machine, Oracle Golden Gate |
| **Languages** | UNIX Shell Scripting SQL, PL/SQL, C, C++, Java, J2EE, Perl, PHP, XML, HTML. |
| **Tools**/**Utilities** | RMAN, ASM, OEM, SQL\*Loader, Export/Import, TOAD, Data pump, VB, Putty. |
| **Tuning Tools** | AWR, ADDM, TKPROF, EXPLAIN PLAN, STATSPACK, AND ASH. |

**Client: Dell EMC, St. Louis, MO. August 2016 – Till date**

**Role: Sr. Oracle DBA.**

**Responsibilities:**

* Performed administrative maintenance, monitoring on Oracle database systems in a global 24x7 operational environment.
* Installed, configured, and maintained Oracle10g, 11gR2 and 12c RAC/Single Instance Database on Linux and also Upgraded from Oracle10g to 11g.
* **Upgraded** databases from **10.2.0.4 to 11.2.0.4 and 12.1.0.2** on **SOLARIS**/**LINUX** environments.
* Responsible for **mapping ASM volumes to the SAN disks,** process to copy the data from old to new.
* **Storage/Database migration** from **EMC-Vmax** storage arrays to other Vmax storage arrays and Hitachi storage arrays.
* Involved in Performance Tuning/Troubleshooting **complex queries and server performance issues** and Recommend improvements in the reporting and batch processing code bases based on analysis of system snapshots
* Involved in implementation of **SQL Logins, Roles and Authentication Modes** as a part of **Security Policies** for various categories of users.
* Rebuilding the indexes at regular intervals for better performance using **SQL Server Analyzer.**
* Planning and scheduling Backups, Database Recovery, taking Logical Backups (with Export /Import), Database backup (Hot & cold) and automate all the process.
* Performed in managing the databases using the **OEM grid control** like **Scheduling backups, performance monitoring, alerts setting**, generating **reports** in seconds, **email notifications**, **Black out** instances during maintenance/down times etc.
* Applied Patches like CSU, PSU and Bug-fixes for database performance issues.
* Implemented **DATA GUARD (Standby)** for **disaster** recovery (DR) purpose.
* Refresh the **test and development databases** from the source production databases on a regular basis using **export/import** utility.
* Applying Patches 11.2.0.3 and **applying Oracle DST Patches on Oracle database**.
* **Diagnose** and **troubleshoot Database problems** and failures like **instance crashes**, internal errors, etc.
* Involved in **RMAN Duplicate** Database Cloning.
* Good experience in SQL**, PL/SQL, Shell and PERL Scripting.**
* Used **SQL TRACE, TKPROF, EXPLAIN PLAN** utilities for optimizing and tuning SQL queries.
* Experience in shell scripts through Cron-jobs to automate different types of backups including **RMAN**. Implemented and maintained Database security and atomized Administrative tasks.
* Support & Maintenance of Production, Development and Test Databases on various servers.
* Used Data Pump for export and import. Wrote scripts for Backup of databases, maintenance of archive logs for databases. Streamlined backup procedures and implemented **RMAN** for backup and recoveries.
* Performed cross platform migration using transportable table spaces and **RMAN.**
* Restoration and Recovery of databases at the times of occurrence of critical failures.
* Worked with **Data Pump**to take the logical backups of databases.
* Installed, configured and supported **uni-directional and bi-directional** replicated environments utilizing **Golden Gate 10.x and 11.x software.**
* Responsible for automation of **startup and shutdown** on all production and development databases.
* Responsible for using **Flashback query mechanism** along with automatic undo management.
* Performed capacity planning, Extracting, Transforming and Loading (ETL) data using **SQL\*Loader** and External Tables.

**ENIVRONMENTS:** Oracle 11g R2 (11.2.0.4), Oracle Exadata Database EX2, RHEL 4.2, SQL Server Analyzer, Windows XP, SQL\*Loader, OEM, PL/SQL Developer, Import/Export, RMAN.

**Client: Sullivan Cotter and Associates, Inc., Minneapolis, MN March 2015 – August 2016**

**Role: Sr. Oracle DBA**

**Responsibilities**:

* 24 X 7 Production database administration, support and monitoring to ensure a proactive problem recognition and resolution of database and applications issues.
* Up gradation of Database from 11g to 12c and applying patches whenever required.
* Installed, configured and monitored multi node Oracle 12c/11g R2 RAC, Exadata.
* Converted a single instance database to Oracle RAC.
* Implementation and Configuration of OEM & Oracle Management Server for maintenance and monitoring.
* Actively involved in strategic Backup, Restore and Recovery using RMAN for complete recoverability.
* Experience in Oracle **Golden Gate** installation, configuration, troubleshooting GG issues.
* Worked on issues raised while replicating the data using **Golden Gate**.
* Involved in **Administering** Oracle Database using **Oracle Enterprise Manager, Toad**, **PL/SQL Developer.** Monitoring Alert log for any errors and issues.
* Experience in administering **Oracle 12c/11gR2 in SaaS production environment** in clustered deployment.
* Configured DATA GUARD to provide high availability by implementing physical stand-by database and worked with various features: Streams and Automatic Storage Management (ASM).
* Analyzed the user requirements, designed partitioned tables and created indexes for improving performance and manageability because many queries can prune partitions.
* Evaluating the Backup and Recovery Procedures periodically & performing backups and recovery by using RMAN.
* Expertise in Data Loading using **DATA PUMP** utilitiesand **DBVERIFY** for corruption checking.
* Performance Monitoring and tuning using STATSPACK, TKPROF, EXPLAIN PLAN, AWR, and ADDM.
* Installed and configured **DB2 in AIX or Linux environments.**
* Management and monitoring of IBM DB2 databases.
* Designed and effectively implemented the Database part of the full Data center migration from one city to another with minimal downtime with solid backup plan which involves databases of size greater than 1 TB.
* Management of **security, granting and revoking permissions** to users/roles as and when required.
* Performed Database, OS and application tuning.
* Writing UNIX shell scripts for backup and recovery, Import and export procedure, PL/SQL functions, procedures, packages and triggers.
* Working with QA and Development teams for the regular database support.
* Performing the daily Maintenance tasks and interacting with Oracle Customer service when required.
* Assisted IT Analysts on technical database issues and features.
* Able to work effectively with multiple teams at once. Able to thrive in a fast-paced, time compressed and dynamic environment. Solid skills and discipline for Change Management practices processes.

**Environment**: Oracle 12c, 11g R1, R2 (11.2.0.1) (11.2.0.2) (11.2.0.4), Oracle Exadata Database EX2, ZFS, RHEL 4.2, Windows XP, SQL\*Plus, SQL\*Loader, OEM, PL/SQL Developer, Import/Export, RMA, RAC, Data Guard with physical and logical standby databases.

**Client: JC Penny, Plano, TX. Dec 2013 – Feb 2015**

**Role: Sr. Oracle DBA**

**Responsibilities**:

* Responsible for new Installations of **Oracle RAC, ASM, OEM** on 10g, 11gR2 under Windows, RH Linux.
* Expertise in 24x7 production database and applications support.
* Installation, configuration and maintenance of Oracle 11gR1 and 11gR2 databases and worked on configuring 11gR2 RAC with ASM.
* Working on troubleshooting cluster interconnect performance issues and configured SCAN for 11gR2 RAC clusters.
* Worked on rolling upgrade of RAC cluster from 10.2.0.5 to 11.2.0.3 using logical stand.
* Involved in Installing, Configuring, Administration and tuning of Oracle 10g RAC/11g RAC.
* Upgraded Oracle databases from 10g to 11gR2 and Migrated Database between servers using Data pump Export/Import.
* Knowledge of the **Oracle Golden Gate** installation, configuration, troubleshooting GG issues.
* Backup and Recovery of OCR/ Voting disk, Checking the validity and existing dump of OCR files.
* Involved in the implementation of Oracle 11g Data Guard on physical standby databases.
* Planning Backup/Restoration Strategy, Planning and scheduling Backups, taking Logical Backups (with Export/Import Data pump utilities).
* Worked on Tablespace management including, adding/resize data files, allocated quotas to user and managed disk space.
* Responsible for applying CPU patches on most of the production databases.
* Creating & Managing Database Structures, Storage Allocations, Table/Index segments, Constraints, Database Access, Roles and Privileges.
* Installed, Configured, and monitored **SQL Server 2012, 2008 R2**.
* Performance tuning of Queries by maintaining Aggregates, Compression, partition, indexing and use of Hints, Stored outlines, Statistics for the same.
* Performed SQL and PL/SQL tuning, monitored production database using automatic workload repository (AWR), automatic database diagnostic monitor (ADDM) and Active Session History (ASH).
* Worked closely with the Oracle developers for the better performance in Applications in writing the Packages, Triggers, Materialized Views and Indexes on the tables.
* Involved in PL/SQL and **UNIX shell scripting**, **PERL scripting** and automating them using Cron Utility.
* Cloning databases using scripts as well as RMAN for test and development.
* Tuned the Database and applications using AWR, ADDM, STATSPACK, ESTIMATE, ANALYSE, EXPLAINPLAN, SQLTRACE, and TKPROF and gathered DBMS statistics
* Monitored the database objects growth, managing the extents growth and de-fragmenting the objects, which are running out of maximum extents. Monitoring the excessive fragmentation of table spaces and taking remedial steps.
* Working with Oracle Support for resolving the database related unresolved issues.

**Environment:** Oracle 10g/11g, RAC, RMAN, ASM, OEM, DATAGUARD, DATAPUMP, ZFS, Golden Gate 11g, TOAD, SQL, PL/SQL, Red Hat Linux.

**Client: Credit Suisse, Morrisville, NC. Sep 2012 – Nov 2013**

**Role: Sr. Oracle DBA**

**Responsibilities:**

* Involved in Installation of Oracle **11g** database in **ASM (Linux)**.
* **Created users & privileges** with appropriate roles and levels of **security**
* Expertise in maintaining the **Cold** and **Hot backups** of the databases
* Performed Day to Day activities such as checking **alert logs** and **scheduled tasks**
* Created and managed table spaces monitored the **data files** space, **resizing** and **adding** new **data files** etc
* **Exporting** & **importing** data into the databases, using **Oracle** utilities such as **exp/ imp**, and Data pump
* Monitoring and performing daily **incremental backups**, weekly backups using **Rman** utility.
* Involved in **recovering** of the data block using **Rman utility** and complex backup and recovery issues.
* Database Restore using **RMAN, Cold Backup** and **Import**
* Collecting performance statistics using **Stats pack/AWR (Automatic Workload Repository)** and analyzing by **ADDM (Automatic Database Diagnostic Monitor)**
* **Rebuilding indexes** or **analyzing** the index as per the fragmentation level and minimize the performance issues.
* **Refresh/Cloning** of Database from production environment to test environment and application of patches.
* Installed, Configured, and monitored SQL Server 2012, 2008 R2.
* Upgradation of database from SQL Server 2008 R2 to Server 2012.
* Monitoring the **CPU** usage, **IO** statistics, and CPU time to identify any OS level Performance killers
* Experienced of managing and administering 24 X 7 running databases and support
* Applied bug patches according to the Oracle **Critical Patch** alerts.
* Configured the automated alerts for the production servers, which alerts DBA with the **alert log** errors and proactively space related errors.
* Identified and trouble shot everyday issues like **locking** and scripts execution.
* Working with the application support people to resolve database related issues and running the scripts for the application support people.
* Creating **Users** and D**atabase** links, snap shots on production and development servers.
* Checking **CRON** jobs and restarting the failed jobs.
* Implemented automated backup strategy using the UNIX shell script and CRON Utility.
* Used SQL\*Loader to load data from flat files to Oracle database.
* Monitoring of the scheduled backup’s on Regular basis.

**Environment:** Oracle 10g/11g, ASM, Red Hat Linux 4.x/5.x, Windows 2003, OEM, SQL\*Loader, Grid Control, RMAN, ASM, Data guard, TOAD, Data pump.

**Client: The Nielsen Company, Schaumburg, IL. Nov 2011 – Aug 2012**

**Role: Oracle DBA**

**Responsibilities:**

* **Installed,** Created and maintained 2 **Node 11g RAC** with ASM and created database for production, development and test environment on HP-UX platform.
* **24 x 7** production support group member supported by our team.
* Perform Backup and Recovery of Primary and Standby Databases using **RMAN** and external backup using **NETBACKUP**.
* Converting datafiles across different platform using **RMAN convert, Transportable Tablespaces (TTS), Export/Import** and **Datapump** (expdp/impdp).
* Manage and maintain database and user **security** using OEM **Grid Control**
* Supported development by providing **SQL statement tuning** and optimizing ETL procedures and removing load and query performance bottlenecks by using tools like **Explain Plan**, **SQL Trace, TKPROF,TOAD** and Oracle Enterprise Manager (**OEM**).
* Worked with IT managers and application developers to ensure the database integrity, high **availability and security**.
* Writing backend procedures, **functions, packages** and **triggers** using **PL/SQL** and also **kshell scripts** for automatic recovery
* Planned and implemented **Disaster Recovery** solutions using Oracle **Standby Database/Dataguard.**
* Data Loading using **SQL\*Loader** and **DBVERIFY** for corruption checking.
* Developed PL/SQL packages, **procedures, functions and triggers** to support application.
* **Installed Oracle 11g** database in the test environment and tested the upgrade from **Oracle 10g to 11g.**
* Monitoring and **Tuning the CPU, memory usage**, **I/O** contention, paging, network statistics on UNIX servers using IOSTAT, NETSTAT, VMSTAT, TOPAS and PRSTAT.
* Applying **upgrade patches**, maintenance and interim patches on all the databases
* Troubleshooting and Investigation of application Bugs, Oracle Bugs and Job failures
* Designed physical and logical database structures and created, managed Tablespaces.
* Applied High priority patches downloaded from **Metalink**.
* Monitored production database using **AWR and ADDM** for Daily or weekly tuning needs.
* Gathering schema stats and monitoring the **index usage**.
* Documented backup and recovery plans and tuning procedures.

**Environment:** Oracle 10g/9i, Oracle 10g RAC, ASM, Red Hat Linux 4.x, OEM, SQL\*Loader, Grid Control, RMAN, ASM, Dataguard, TOAD, Datapump.

**Client: SERCO Global Services Inc., Hyderabad, India. July 2010 – Oct 2011**

**Role: Oracle DBA**

**Responsibilities**:

* 24\*7 Production Database Administration Support.
* Oracle RAC installation, configuration and support for High Availability
* Involved in developing a Disaster Recovery (DR) plan. Configuration and maintaining Standby Databases (Data Guard) for the production database and tested for Switchover, Fail over.
* Cloned/Refreshed Oracle Databases for development and testing.
* Upgraded databases from Oracle 9i to 10g, Oracle 10g to 11g.
* Oracle Database and SQL tuning using SQL TRACE, STATSPACK, EXPLAIN PLAN, TKPROF, AWR, ADDM.
* Installed Oracle Data guard for Oracle Disaster recovery, High Availability and data protection.
* Written PL/SQL Stored Procedures, Functions, Packages and Triggers
* Experience in Identifying performance bottlenecks on high volume transaction systems. Analyze SQL, PL/SQL statements, reorganize database objects and design indexes to improve response of queries.
* Created PL/SQL, SQL\*Loader and UNIX scripts as a part of data load process to load external data into Oracle database tables.
* Implemented Oracle database backup & recovery solutions using RMAN and Exports/Imports. Performed cold and hot backups.
* Performed large batch jobs, and tuning of SQL queries and database systems.
* Created user accounts, roles and granting access permissions to the database.
* Written shell scripts for backup automation.
* Involved in designing logical & and physical data models using power designer.

**Environment:** Oracle 11g RAC/10g RAC/Oracle 9i, Data Guard, Sun Solaris, HP-UX, Red hat Linux, RMAN, ASM, SQL\*Loader, Data Pump, Golden Gate, Oracle Streams TOAD, OEM/Grid Control, SQL, PL/SQL, TKPROF, EXPLAIN PLAN, AWR, ADDM.

**Client: GGK Technologies, Hyderabad, India. Feb 2009 – June 2010**

**Role: Oracle DBA**

**Responsibilities:**

* Installation, Configuration and Administration of Oracle 10g/9i databases on various Operating Systems.
* Configured **RMAN** and performed daily backups.
* Implemented **Data Guard** on Oracle 10g and 9i.
* Conducted daily routine checks on alert logs and trace files.
* Scheduled Oracle Jobs in the database and analyze the schema and tables.
* System administrator tasks like creation of **users, file systems, volume groups and logical volumes** etc.
* Constantly monitor the performance (V$ dynamic performance views at peak load) of the Databases and viewing **Alert log files & Trace files**.
* Monitoring Database for fragmentation and correcting them.
* Creating and implementing backup and recovery strategies
* Data Refresh from Production to Test and Development environments using **RMAN Duplicate Database**.
* Extensively used SQL Loader to load data from flat files to the Oracle Database.
* Created and enhanced DB utilities needed for automation of system and unit tests and investigation of production issues, troubleshooting.
* Responsible for network configuration and involved in a Client –Server environment using TNS, LISTENER, Net Configuration Assistant and other configuration files.
* Involved in applying latest patches on the oracle database and also **upgrading the database**.
* Responsible for modifying the database structure as required based on information given by the developers.
* Maintained all documents of Oracle Database operations. Prepared documentation of database backup and recovery standards.

**Environment**: Oracle 10g/9i, Linux, Windows 2003, Oracle Enterprise Manager Grid Control, RDBMS, SQLPLUS, PL/SQL, Shell Scripting, RAC.

**Education**: Bachelors of Technology in Computer Science & Engineering, India.