Krishna Nama

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Oracle Database Administrator

Professional Summary:

About seven (7+) years of experience as an Oracle Database Administrator in a fast paced Agile Environment having hands on experience in database administration, production support, installation, configuration, upgrades, patches, performance tuning, backup and recovery, HIGH availability data solutions, space management, database security, cloning, migration, shell scripting and documentation.

* Extensive knowledge on database administration for Oracle 10g, 11g and 12cwith experience within very large scale database environment and mission critical large OLTP and OLAP systems.
* Excellent experience in installation, setup and configuration of Oracle 10g, 11g and 12c in HP-UX, Sun Solaris, IBM AIX, Windows and UNIX/Linux Environment.
* Having hands on experience in management and database administration of Oracle applications on Exadata platforms.
* Expertise in upgrading the databases from Oracle 9i to Oracle 10g and Oracle 10g to Oracle 11g and Oracle 11g to Oracle 12c.
* Good working experience with Container databases or Pluggable Databases (PDBs).
* 24\*7 production database support with Support to developers & end-users.
* Installed Oracle 11g ASM & 10g RAC software with ASM & OCFS2 File systems.
* Experienced in Installation of high availability RAC environment (2, 3 and 4 node clusters) and upgraded standalone databases to 10g RAC environment.
* Migrated Non-ASM Single Instance to ASM RAC Instance.
* Experience with High Availability features (RAC/ DG/ ASM / RMAN).
* Excellent knowledge in logical backups, Hot/Cold Backup and Recovery and Cloning of databases using RMAN.
* Experience in complete recovery, incomplete recovery, recovering data files, tablespaces, control files, block corruption.
* Good exposure to oracle technologies likeAWR, ASM, Flashbackand data pump import/export.
* Expert in implementing ORACLE STREAMS and Golden Gate 11x (unidirectional, bi-directional and downstream capture) and managed Operational, Historical and reporting databases.
* Proficient in setting up Standby Database using shell scripts and RMAN utility tool, activating and Re-building Standby Databases both Physical and Logical supported by DATAGUARD.
* Managed very large database (VLDB) of maximum size 5TB with 18 servers including 6 Productions, 6 testing, 6 Development and 3 Standby databases.
* Having hands on experience in working with MS SQL 2008.
* Having hands on experience in installing and configuration of Enterprise Manager Cloud Control 12c.
* Experience in Identifying performance bottlenecks on high volume transaction systems, Analyzing SQL statements, reorganize database objects and design indexes to improve response of queries, Tuning heavy data loads, Monitoring and Performance tuning.
* Having knowledge on the ORACLE EXADATA for the extreme performance of the database.
* Created development, testing, staging, production, RAC and standby databases for OLTP, DSS and Data Warehousing using customized shell scripts and stepwise.
* Having programming experience in stored procedures, functions, triggers and scheduled jobs.
* Having hands on experience in supporting Oracle EBS implementation.
* Having hands on experience in Hot/Cold Backup, Recovery and Cloning of databases using RMANwith VERITAS Net Backup.
* Experienced in usingOracle's Transportable Table space (TTS) feature allows users to quickly move a user Table space across Oracle databases.
* Database replication using snapshots, materialized views and advanced replication methods.
* Experience in applying security patches to the databases.
* Effective troubleshooting of database and Performance problems.
* Good experience in Data Migration using export/import.
* Experience working in an Agile environment
* Management of Objects, Schemas, Partitioning the tables and Indexes.
* Knowledge on Oracle Support Process for Technical requests using Metalink and other support procedures.
* Excellent interpersonal and strong analytical skills, Documentation & Problem-solving skills with customer service oriented attitude. A very good team player, self motivated, dedicated in any work environment.

Technical Skills:

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| RDBMS | Oracle 11g/10g, Oracle 10g (RAC, Data Guard & Streams, Golden Gate) |
| **OPERATING SYSTEMS** | HP-UX 10.x, 11.x, Sun Solaris 8, 9, 10, AIX, 5.2, 5.3, Red Hat Linux RHEL 4.x, 5.x and Windows NT/2000/2003/XP. |
| **LANGUAGES** | SQL, PL/SQL, T-SQL, C, UNIX Shell Scripting, Ksh, bash and Perl Scripting. |
| **SOFTWARES, APPLICATIONS & TOOLS** | DBCA, DBUA, Oracle Data Guard, OEM (GC), RMAN, ASM, Clusterware, VCS, Shareplex, SQL\*PLUS, SQL\*LOADER, EXP, IMP, Data Pump (expdp, impdp), TOAD, Rational Rose, VERITAS Net Backup, DBArtisan, SAN, SQL TRACE, EXPLAIN PLAN, TKPROF, STATSPACK, AWR, and ADDM. |
| **WEB TOOLS** | HTML. |

**Professional Experience:**

**ConnectYourCare Jan 2014 – Till Date**

Sr. Oracle DBA Hunt Valley, MD

Environment: Red Hat Linux 5.0, Oracle 10g and 11g, TOAD , Oracle Enterprise Manager (GC), RMAN, RAC, Data Guard, ASM, , TKPROF, Explain plan, AWR, ADDM, SQL\* Plus, PL/SQL, SQL\* Loader.

Responsibilities:

* Installed Oracle **10g/11g** and **RAC** (4-node) systems, **11g, 12c** OEM in HA environment on different OS platforms **(IBM AIX**, **Linux**, **Solaris 10.0**, **RHEL** and **VMware**).
* Responsible for providing 24X7 production support for critical Payments, Financial, and connectivity applications’ **Oracle 10g/11g/12c** databases on Solaris and RHEL.
* Installed **Oracle 10g/11g/12c** stand-alone and RAC systems in HA environment in different O.S platforms (AIX, Linux, Solaris, RHEL and **VMware**).
* Configured **11.2.0.4 RAC** on **3 node cluster.**
* Worked on **upgrading RAC** database from **11.2.0.4 to 12.1.0.2**
* Good working experience with **Container databases** or **Pluggable Databases (PDBs**).
* Worked on **upgrading RAC** database from **11.2.0.3 to 11.2.0.4.**
* Migrated **Non-ASM** Single Instanceto **ASM RAC** Instance**.**
* Experience with **Change Management** for all the database changes.
* Migrated oracle databases from **oracle streams to oracle golden gate 11x Active-Active Bi-directional** replication.
* Installed **OGG 11.2 version on Linux and Solaris** Boxes and configured **High availability VIPs** / **XAG** for the same.
* Actively participated working in an Agile environment and assisted in designing and analysis of **Oracle Exadata** server for infrastructure and in other similar projects
* Installation and configuration of **Oracle Enterprise Manager Cloud Control 12c.**
* Configured the Database level **Heart beat tables for Golden gate monitoring** and deployed DBMS schedulers to check the latency over the sites.
* Improved performance **of** REPLICAT process using **Range functions** in **Golden Gate** and used some Macros and Tokens in GG.
* Experience in supporting **Oracle EBS** implementation.
* Experience in handling **large database up to 14TB** in size with 4 nodes cluster on various flavors of UNIX.
* Resolved Replicate/extract/pump issues and upgraded classic **EXTRACT to Integrated capture** to overcome the compression table’s issue.
* Experience in troubleshooting **RAC node eviction problems by reviewing cluster logs** and system log messages
* Experience in Managing Applications on oracle **11g / 10g RAC** databases using ASM file system with server control utility **(SRVCTL) and CRSCTL for high availability**.
* Configured high availability services **TAF, load balancing and SCAN features** for clustered databases.
* **REFRESH/CLONING** of Databases and applications for development, testing and Prod boxes on demand from Application teams using **EXPORT/IMPORT, DATAPUMP** at table level, schema level and database level for Refreshes.
* Hands on experience with 11g new features such as **ADRCI, Duplicate from Active database**, **ASMCMD**, Memory parameters, Incidents etc
* Implemented various backup strategies for big / med and small databases using **RMAN and Netbackup** technologies
* Installed, configured Oracle 12c grid infrastructure for standalone &**RAC** databases
* **Upgraded** Oracle **9i/10g** to the Oracle **11g** R2 database version.
* Responsible for identifying performance problems in production databases by identifying issues using **AWR**, **ASH** and **ADDM** reports.
* Applied CPU security patches and PSU in both **RAC** and standalone systems in **ASM** environment.
* SQL Query performance tuning for optimized results using tools like **Explain Plan**, **SQL TRACE**, **TKPROF, SQL Profiler**
* Good experience with Oracle performance issues in both application tuning &memory tuning.
* Worked on **SAN**/**NAS** storage migration
* Performed various activities, such as database recovery, performance monitoring and tuning, structured query language, operating systems and relevant tools.
* Experience working with Oracle Enterprise Manager, working with **ASH**, **AWR** reports, ADDM, **STATSPACK** and gathering statistics.
* Performed database refreshes using **KFED** and cloned production databases for the purposes of testing using **RMAN**
* Developed **shellscripts** for daily administration.
* Responsible for day-to-day activities such as **creating users, roles, schemas, tables, views, indexes**, verifying and running scripts given by the clients
* Worked as a primary for weekly and monthly releases and coordinated with application teams and development teams in release window times.
* Configured and managed **Data Guard** extensively for Production databases of sizes ranging from 50 GB to 5 TB.
* Closely **monitored** and **administrated** log transport services and log apply services in **Physical/Logical** databases.

**State Street Bank Jan 2012 - Nov 2013**

**Sr. Oracle DBA Boston, MA**

Environment: Red Hat Linux4, Oracle10.2.0.3, Enterprise Manager GRID, RUP, RMAN, SAN/NAS, HSM, 10g RAC, Streams, CDC, Data Guard, SQL\*Plus, PL/SQL, ASM, ToadV9.7 & SQL, Navigator V6.1.

**Responsibilities:**

* Responsible for administration and supporting Oracle 10g databases.
* 24x7 Production database administration, support and monitoring to ensure a proactive problem recognition and resolution of database issues.
* Experience working in an Agile environment, Provided setup functional support for Exadata databases
* Successfully migrated databases from windows2000/2003 running oracle 10g over to Linux boxes 10g.
* Installation, Upgrade and Configuration of Oracle10g Databases.
* Involved in designing of disaster recovery plan using Data Guard, and High Availability using RAC.
* Schemas refresh using Export/Import Pump, Creating the database table spaces, tables, indexes, setting privileges and user logins.
* Configuration, Administration and tuning of Oracle 10g RAC.
* Performance tuning involving Memory, Disk I/O tuning and SQL tuning.
* Used cross platform transportable table space (TTS) to transport table spaces across platforms.
* Data Refresh in Test and Integration Databases using Transportable Table spaces.
* Performed Setup Recovery Manager (RMAN) and Flash Recovery in RAC Environment.
* Oracle Streams Bi-Directional replication implementation at Table, Schema and Database Level.
* Implemented backup strategies using hot/cold, exp/imp used on the business req.
* Cloning databases using scripts as well as RMAN and performed Tablespace point in time recovery (TSPITR) using RMAN.
* Installed Oracle 10g Enterprise Manager (Grid Control) for diagnosing and monitoring performance related problems and configured with Application servers on test databases.
* Worked on Automatic Storage Management (ASM) with SAN Storage for managing data in EMC Symmetrix.
* Monitoring and tuning using tools like Enterprise Manager GRID, Oracle cost Based optimizer (CBO), SQL analyzer, automatic checkpoint tuning, SQL Advisors, Performance Manager, and Statspack.
* Performed conversion single instance to Real Application Cluster (RAC) database instances.
* Utilized Oracle Streams to capture, propagate, and apply the transfer of data, transactions, and events within managed databases.
* Provided database/application tuning including as reducing lock contention, analyzing objects.
* Downsizing and defragmenting the Very Large Databases by export / import, cloning those using RMAN duplicate features and then upgrading them to Oracle 10g and Production to development refresh.
* Storage Management Managing Space, Table spaces, Segments and Extents, Rollback Segments & Data Dictionary.
* Experienced on Database Security by monitoring User Management, Privileges, Roles, Auditing, Profiling, Authentication and Risk management.
* Used Oracle Advanced Replication feature to set up multi-master replication, dealt with conflict resolution and performance issues.
* Unix Shell scripting in csh, ksh for automating startup/shutdown, backup and recovery, Import and export procedure of databases, getting system alerts.
* Experienced in documentation, provided documentation for database design, analysis, modifications, creating schemas etc.
* Resolved TAR issues 24x7 while assisting the functional team and oracle support (Metalink)

**NAVTEQ July 2010 – Dec 2011**

**Oracle DBA Chicago IL**

Environment: Oracle database 10g (10.1.0.5 to 10.2.0.4), 9i (9.2.0.8), Redhat4, HP-UNIX 10.0, RAC, TOAD, TTS, Erwin 7.2, J2EE, ASM, Oracle Enterprise Manager, Network setup and Management, ASM, RMAN, SQL\*Plus, PL/SQL, SQL\*Loader.

**Responsibilities:**

* Installed RAC on Oracle 10g release1 and worked on ASM feature of Oracle.
* 24x7 Production database administration, support and monitoring to ensure a proactive problem
* Recognition and resolution of database issues.
* Provided instance level performance monitoring and tuning for Event Waits, Sessions, Physical and Logical I/O and Memory Usage.
* Performance Tuning i.e. Tuning RAC, tuning applications, shared pool, I/O distribution, rollback segments, buffer cache, redo mechanisms
* Oracle Grid Control Management Server Installation.
* Used Transportable tablespaces (TTS) to move the data Oracle on a different platform and also much faster than performing either an export/import or unload/load of the same data.
* Implementation of 10g Data Guard and Bi-directional streams implementation.
* Handling large database environments using Oracle Enterprise Manager (OEM) on daily basis observing the performance of the production database and constantly active regarding performance and space management issues and accordingly providing on-fly solutions to make database healthy and running.
* Made performance improvements to the database by building Partitioned tables, Index Organized Tables, Materialized Views and Bitmap Indexes.
* Supported development effort by providing SQL statement tuning and optimizing ETL procedures and removing load and query performance bottlenecks by using tools Explain Plan, SQL Trace, TKPROF, TOAD and Oracle Enterprise Manager.
* Performance tuning of Queries by maintaining Aggregates, Compression, partition, indexing and use of Hints, Stored outlines, Statistics for the same.
* Created Users, Groups, Roles, Profiles and assigned users to groups and granted privileges and permissions to appropriate groups.
* Implemented and followed data security standards and Security User Management, Privileges, Roles, Auditing, Profiling, Authentication and Risk management.
* Performed application migrations to non-cluster databases to cluster databases.
* Devised & Implemented backup strategies using hot, cold, and exports based on the business requirements.
* Implemented VERITAS Net Backup-using RMAN (Recovery Manager) as a media management layer.
* Applying security patches both Server side and Client side and Performed testing.
* Cloned schemas, objects and data on new server using exports from 9i database and imported in 10g using Oracle data pump.
* Performed conversion Non RAC single instance to Real Application Cluster (RAC) database instances.
* Trouble shooting of various database performances by proper diagnosis at all levels like SQL, PL/SQL, database design, database tables, indexes, Instance, memory, operating system and java calls.
* Worked with production DBA team in perfect coordination with seniors and team members.

**INFICARE SERVICES Mar 2008 - Jan 2009**

**Oracle DBA Hyderabad - India**

Environment: Oracle 9i, HP-UX, Windows NT/2000, PL/SQL, SQL Server 2000, T-SQL, Database Tools/Utilities, OPS, Shell Scripting.

**Responsibilities:**

* Developed and modified PL/SQL code to make new enhancements or resolve problems, as per customer requirements.
* Created complex analytical reports using inline view, lexical parameters with Oracle Reports 9i.
* Modified Korn shell scripts as per technical specifications.
* Prepared Data Flow Diagrams for existing PL/SQL code.
* Involved in coding of data extraction scripts as per technical specifications.
* Analyzed the table structures using Analyze command.
* Involvement in all phases of the project life cycle.
* Designed database tables as per technical specifications.
* Translated business requirements into creation and alteration of database objects: tables, indexes, constraints, triggers and stored procedures.
* Implemented automated backup strategy using the UNIX shell script CRON UTILITY.

**Education**: 2009 - Bachelors in Computer Science Engineering, JN Technological University, India