**Sai Naresh Chanamolu**

Sr. Oracle Database Administrator

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**Professional Summary:**

Over 8 years of professional experience as Oracle Database Administrator having good experience in Database Administration, Database Installation, Upgradation, Migration, Patching, Performance Tuning, RAC installation and Maintenance, setting up and Configuring Data Guard, performing all kinds of backups and recoveries, Cloning Databases, Migrating Databases to Cloud using AWS, Automated RMAN backups, replication using GoldenGate and Shareplex, Advanced Security, Auditing and Production Support.

**Experience Synopsis:**

* Proficient and experienced on Oracle (**10g/11gR1/11gR2/12c/19c), installing, configuring** and **maintaining Oracle databases** on different operating systems like **UNIX (RHEL 4/5/7/8/9, AIX 6.1, OEL 5/6/7/8, Solaris10, HP-UX 7)** for **OLTP & OLAP environment.**
* Experience in configuring high availability systems like **Real Application Cluster 10g/11g/12c/19c** on RHEL 4/5.8/7/8, OEL 6.1, Solaris 11.4.
* Good Experience in performing **health checks of RAC** components **ocr**, **voting files** and backups using **OCRCONFIG** and troubleshooting issues using clusterware logs in 19c/12c and 11g RAC Environments and handy in using utilities **SRVCTL** and **CRSCTL**.
* Having good experience in **10g/11g/12c/19c** database administration in **Real Application Cluster, Standalone and ASM databases.**
* Installed patches using OPatch utility and upgraded databases on 9i/10g/11gR2/12c and expertise in applying Oracle **PSU** and **CPU patches.**
* **Experience in applying Oracle rolling patches on RAC 11g/12c/19c environment using response file.**
* Implemented **GoldenGate Replication** 11g/12c/19c on ACFS and configured for Automatic failover of GoldenGate process and handy in upgrading GoldenGate from v11 to 12c and 12c to 19c
* Expertise in migrating databases with **zero downtime using GoldenGate, Shareplex & Data Guard.**
* Good experience in **Installing, Configuring** and **Replicating** databases using Oracle **GoldenGate**, implemented **unidirectional and bi-directional** replication.
* **Experience in upgrading databases from 10g to 11gR2** **, 11gR2 to 12c and 12c to 19c** on Solaris, AIX, Linux and Windows platforms and Performed upgradation of **grid infrastructure from 11.2.0.x to 11.2.0.4,11.2.0.4 to 12.1.0.2, 12.1.0.2 to 12.2.0.1 and 12.1.0.2/12.2.0.1 to 19.x Versions.**
* Good Experience **in migrating databases across platforms** and **migrated databases from Solaris, AIX to Linux**.
* Experience in managing RAC and Standalone environment **11g/12c/19c databases**, Installing, monitoring and managing of Oracle instances using Enterprise Manager Grid Control 10g/11g/12c/13c.
* Hands on experience in **Planning** and **Implementing Disaster Recovery databases** using **Data Guard** andconfiguring, managing, troubleshooting and monitoring **Physical standby** using **Data Guard 10g/11g/12c/19c.**
* Good experience in **11g new features Active Data Guard & snapshot standby.**
* Miigrated several large-scale line-of-**business applications** to the **cloud** using **AWS.**
* Good Experience in **Table partitioning** using **List, Range, Hash, System** and **Interval** partitioning techniques.
* Hands on experience in **disaster recovery**, database backup concepts and options such as **user-managed backup**, **RMAN-**managed backup with or without catalog, **operating system backup**, **cold** and **hot backup**, **full backup**, **incremental**, **cumulative backup** and implementing backup and recovery strategies.
* Implemented User managed cloning and **Flashback Technology, Performance Tuning, Experience in SQL tuning using Explain Plans and Hints, Performance Tuning for better performance and Monitoring and Optimizing.**
* Performance Tuning of the database (I/O Tuning, Tuning Contentions) u**sing Oracle 11g tools like AWR, ADDM, ASH, Advisories, TKPROF, EXPLAIN PLAN** for achieving better performance.
* Good Experience in **Transparent Data Encryption** Operations, **Enforced Security administration, system monitoring by adding and removing users, configuring quotas, auditing, and analyzing security problems.**
* Good Experience in writing **SQL Queries, PLSQL Procedures, functions, packages** and used SQL **hints** to improve the SQL performance and implemented **SQL profiles** and **SQL baselines.**
* Experience in implementation of enterprise databases on enterprise storage solutions using **Storage Area Networks (SAN) / Network Attached Storage (NAS).**
* Experience using **Erwin as a Data Modelling tool & Designing the ETL processes.**
* Good knowledge on **Oracle support process for technical requests using MetaLink** and other support features.
* **Good written and verbal communication skills, self-motivated team player and good analytical thinking.**
* **24 X 7 Production database administration**, support and monitoring to ensure Proactive problem recognition and resolution of database issues.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Databases** | Oracle 19c/12c/11gR2/11gR1/10gR2/9i, SQL 2012/2008R2, Aurora PostgreSQL, MySQL 5.6, |
| **Oracle Products** | Oracle Real Application Cluster 19c/12c/11g/10g, GoldenGate, Data Guard, Import and Export, Data pump, Oracle Wallet Management, Automatic Storage Management, Recovery Manager, Oracle 10g/11g/12c/13c (Grid Control), Oracle EXADATA, Oracle APEX, RMAN, Oracle Wallet, Transparent Data Encryption, Oracle Virtual Private Database (VPD), Oracle Label Security (OLS). |
| **Operating System** | Oracle Linux, HP UNIX 11i, Red Hat Enterprise Linux (RHEL) 4.x, 5.x, 6.x, AIX 6.1, Sun Solaris 5.8, 5.9, 5.10, Windows XP/2003/2008/2012. |
| **Languages** | SQL, PL/SQL, Unix shell scripting. |
| **Tools & Utilities** | SQL Trace and SQL tuning Advisory, SQL\* plus, ADDM, DBCA, Log Miner, TKPROF, AWR, ASH, Toad, Oracle SQL Developer, DB Artisan Putty, ERWIN, ETL. |

**PROFESSIONAL EXPERIENCE:**

**Client: Verizon, Alpharetta, GA Sep 2018 – Till Date**

**Role: Sr. Oracle DBA / DBRE**

**Responsibilities:**

* Worked on **Oracle** **Real Application Cluster** RAC and ASM, building and supporting **11gR2, 12c and 19c RAC** clusters using **ASM storage**.
* Performed **health checks of RAC Clusterware** components ocr, voting files and backups using ocrconfig and troubleshooting issues using **Clusterware** logs in 19c/12c and 11g RAC.
* **Tuning Node evictions** using **disk timeout, reboot time, miscount** and **finding Query’s** involved in **clustered wait events** and **tuning queries** to avoid clustered waits in the **environment**.
* Adding **New Nodes to 19c RAC cluster** and Installed Oracle RDBMS software on a new node of the cluster, **Created ASM Volume using ASMCA and Created ACFS for GoldenGate 12c/19c**.
* Configured Physical Standby databases using **data guard** for maximum performance & availability and Converted **Physical standby to Snapshot Standby 11g, 12c,19c.**
* Configured **Active Dataguard** 19c,12c,11g Troubleshooting Out of sync issues in Data Guard environment and Configured **Dataguard Broker**, fast-start failover and used for switchover and stopping and Starting Media recovery process and Performed Disaster Recovery testing.
* Implemented **Data Guard** with maximum availability and performance configurations for production databases and **Performed switchover** and **monitor** using **DGMGRL.**
* Configured **SLA** for Query’s accessing standby database and **managed Active Dataguard**.
* Worked with **VMWARE** team in building new servers, performed Clusterware installation, RAC RDBMS installation, RAC Database creation, Grid Control installation, Oracle 11g,12c,19c Dataguard Standby, GoldenGate v11/12c/19c.
* Upgradation of **GRID infrastructure from 11g to 12c** **and 12c to 19c.**
* **Migration** of large number of databases from 11g to 12c/19c and 12c to 19c and implemented **ASM on RAC** and stand-alone databases and **Applying** **PSU Patch and Migration of non ASM database to ASM database.**
* Performed day to day administrative tasks by analyzing the database like checking for failed processors, verifying the **query** for issues and validating disk space.
* Using list partitions for large tables and **bitmap indexes** for the OLAP databases.
* Installed **Quest Shareplex 8.6** and 9.2 and performed **Shareplex upgrad**e from 8.6 to 9.2 on Sun Solaris RAC and Non-RAC Clusters for Oracle 11g/12c Databases.
* Resolved lot of issues **in Shareplex for Bi-direction and Uni-directional replication**.
* Installed and Configured **GoldenGate 12c/19c** on ACFS for RAC Configuration and Configured **GoldenGate for RDS databases** on AWS EC2 Jump instances.
* Fixed the out-of-sync table issues for the tables in replication by **GoldenGate and Shareplex.**
* Installed **WebLogic server** 12c and Installed **Oracle GoldenGate Veridata** and Agents and created jobs compare data between instances.
* Oracle Enterprise Manager, Installed **OEM 13c** on database 12.1.0.2 and Monitoring databases using Grid Control 10g/11g/12c and 13c for Configuration of error notifications.
* **Data masking** sensitive data in production databases using OEM 12c and Scheduled Oracle Jobs using **DBMS\_SCHEDULER** and enabled oracle vault features from OEM.
* Performed Database Maintenance Tasks, **Rebuilding Fragmented tables**, gathering statistics, refreshing materialized views, created partition tables and maintaining indexes.
* Enabled **Flashback** for the database to create restore points and supporting DDL changes.
* Applied **PSU quarterly** on the 11g/12c/19c GRID & RDBMS homes using opatch auto and Up-gradation of 11g/12c databases and Implementing catalog backup from RMAN.
* Worked **with Agile and Waterfall methodologies** and Analyzing functional requirement and implement the workflow of establishing a CDN service on various providers using Python.
* Implemented fine-grained access to the database using **Oracle Virtual Private Database (VPD)** and **Oracle Label Security (OLS)**.
* Installed and Configured **Oracle Label Security** Components in the database. Created Levels, Compartments, Groups, Labels to enforce row level security on the databases.
* Set levels based on their roles to restrict the data access for functional, application and dev users in the database.
* Created **VPD functions, Policies** to implement **row level security** in the database.
* Setup & Maintenance of **Oracle 12c** Database on **AWS EC2.** Implemented and provisioned **AWS** services. Hands on experience with services like **EC2, RDS, Cloud Formation.**
* Setup Database in **AWS using RDS, Storage using S3 bucket and Configuring  
  instance backups to S3 bucket** and **Migrated applications to AWS Cloud.**
* Implementing infrastructure on new **AWS**systems and **migration** of existing Solaris and Windows based systems to **AWS.**
* Worked on migrating Oracle databases to **AWS RDS using utility AWS Database Migration Service (DMS).**
* Created **Jenkins automation scripts** using shell and Ansible to create new AWS Oracle RDS and **Aurora PostgreSQL** Database instances.
* Defined **AWS Security Groups**, which acted as virtual firewalls that controlled the traffic, allowed reaching one or more **AWS EC2 instances.**
* Designed and Implemented scalable, Secure cloud Architecture based on **Amazon  
  WEB Services (AWS) and Managed EC2 Instances utilizing Auto scaling, Elastic  
  Load Balancing.**
* Installed and Configured **Kerberos, Zookeeper, HBase and Hadoop data nodes** ad name nodes on **Docker on AWS EC2** Instances.
* Troubleshoot and analyze the logs of **Hbase and Hadoop** servers when the nodes went down.
* Perform rehydration of **AWS EC2** servers containing **Docker** containers with latest **AMI** quarterly.
* Installed and Configured **Couchbase 6.0/6.6/7.0** on a single node and 5 Node Clusters with data and index nodes.
* Upgraded existing **Couchbase** cluster from 6.0 to 6.6 ad 6.6 to 7.0 versions.
* Created indexes and buckets in the **Couchbase cluster** and setup **Two-way Replication** **(XDCR)** for the buckets from one cluster to another cluster.
* Created **Jenkins** automated script to build a single node **Couchbase** cluster using Ansible.
* Setup monitoring for **Couchbase**, Oracle and **Aurora PostgreSQL** clusters using **Newrelic monitoring tool and Grafana.**
* Developed application using **Oracle Application Express (APEX)** to monitor database performance like tablespace usage, active sessions, disk group status, database status, CPU stats. Created PL/SQL procedures to call from Oracle APEX using On-Demand application process.
* Installed, Implemented and worked **on Oracle APEX 4.1/18.1 (Oracle Application Express).**
* Installing and monitoring **PostgreSQL** database using the standard monitoring tools like Newrelic, **Nagios** etc.
* **Configuring** and **fixing** the database Issues with **Pgadmin-III** client application.
* Experience in **upgrading and migrating** various versions of **Aurora** **PostgreSQL** database on different platforms.
* Responsible for backup and recovery of **the PostgreSQL databases**.
* Worked closed with PL/SQL developers to tune TOP SQL running queries, Procedures, functions, and packages using **AWR, ADDM, and TKPROF.**
* Daily Health Check-Up of the Database **and SQL Queries** and Performed large batch jobs and tuning of SQL queries and database systems.
* Monitored the production **Oracle alert logs** for database errors and data issues. Involved in all phases of application development and assessment to QA/QC, design and support.
* Experience in an agile development environment and Worked with Query tools like **Toad**.
* Responsible for database administration and worked in all phases of **Software Development Life Cycle** (SDLC), and systems analysis procedures.
* Extensively used **Jira** and **Service now**,**24x7** production support Database Maintenance and **on-call Support.**

**Environment:** RAC, GoldenGate v11 /12c/19c, Shareplex 8.6/9.2, Grid Control 10g/11g/12c and 13c, MYSQL, OEM13c, Dataguard 11g/12c/19c, Veridata, Oracle Wallet, APEX, VMWARE, Cloud Migration, OEL 6.7/7/8, WebLogic server 12c, Python, WebSphere application, Advanced security 12c, AWS, Patching, AWR, ADDM and TKPROF, Toad, Transparent Data Encryption.

**Client: United Missouri Bank, Kansas City, MO Aug 2015 – Aug 2018**

**Role: Sr. Oracle DBA**

**Responsibilities:**

* Worked in **Datacenter** migration project and worked in Infrastructure team and designed new environment to Install Oracle and **GRID** **infrastructure** on Linux.
* Performed **cross platform Migration** from Solaris to Linux as apart of datacenter migration using **Golden Gate** with Zero downtime.
* Installed new R**DBMS versions 12.1.0.2** and **applied patches** by the Patch management.
* **Upgraded Oracle databases from 11g to 12c** and performed cross platform upgrade using datapump and GoldenGate.
* **Performed database upgrades from 11g to 12c** and **applied patches in Dev, QA, UAT and production environments.**
* Configured DR databases using Data Guard, Implemented **Data Guard Broker** and performed various operations like **Switchover,** Stop and Start MRP.
* Monitored **DR (Data Guard)** implementations regarding connectivity issues and "log shipping" to failover site.
* Converted **physical standby** to snapshot standby and **Active Data Guard** 11g and 12c
* Installed GoldenGate v11 on Solaris 9, AIX 6.1 and RHEL 7.3 from scratch and used Goldengate for database replication during migration.
* **Upgraded GoldenGate from v11 to 12c & also applied patches to GoldenGate environment.**
* Configured **Uni-directional** and **Bi-directional** topologies to support datacenter migration.
* Investigate **replication failures** using **ggserr.log, report files** and **LogDump utility.**
* Replaced Materialized views **with GoldenGate replication and monitoring queries on tables.**
* Planned and implemented DR & **high availability** solutions using Oracle 12c Standby Database, Oracle Data Guard, **11g/12c RAC.**
* **Installed, configured** 3 node **RAC** for the 12c database and **administered** the 12c databases on the **RAC** servers.
* **Added** a **new node to RAC cluster 11.2.0.4** for load balancing, Performance tuning of Interconnect and resolved contention wait types (gc blocks lost, gc buffer busy, grant 2-way) in RAC environment.
* Applied patches in Cluster environment **using Opatch auto in** rolling fashion
* Created disk groups with different redundancy levels and Created ASM volume using **ASMCA** and created **ACFS** for **GoldenGate 12c.**
* Implemented GoldenGate **heartbeat** table for lag monitoring.
* **Configured repository database** for setting up **OEM** **12c, used 11g,12c** for **monitoring databases**, **created administration group, template design, Black out**, Database Administration, AWR, ASH, ADDM, SQL Tuning Advisor, monitoring performance of databases etc. using OEM 11g, 12c**.**
* Creation of **Materialized views** and partitioned the database tables to improve reporting performance. Creating and managing database objects such as tables, indexes, partition tables and views.
* Created **Users**, **Groups**, **Roles**, **Profiles** and assigned users to groups and granted privileges and permissions to appropriate groups, manage users, privileges, profiles, schemas using Grid Control of **Oracle Enterprise Manager**.
* Refreshing of databases using **DataPump** Export and Import utilities (expdp/impdp).
* Configuration of Listener and TNS names using **NETCA** and **NETMGR**.
* Done exports and imports of tables, schemas and tablespaces with **Data Pump.**
* Developed and enforced both database and **OS-level security policies** for data protection.
* Monitored all the databases in the areas of maintenance, **tuning**, performance, and troubleshooting.
* Installed **12C grid control** and Used **Oracle Enterprise Manager Grid control 11g/12c** for monitoring databases and Involved in Mass Agent Deployment using **Oracle Enterprise Manager 12c.**
* Proficient in **Hot/Cold Backup, Recovery** and **Cloning** of **databases** using RMAN and shell scripts with **VERITAS** Net Backup, Export and Import database schema.
* Performing day-to-day activities of Production database such as monitoring its growth and performance and performed maintenance tasks, **rebuilding indexes, gathering statistics, refreshing materialized views** etc.
* Using **EXPLAIN PLAN** for **query optimization** and Performance diagnostic tools like **SQL** **Trace** and **TKPROF**.
* Performed **SQL tuning**, System tuning, Database and Instance tuning by analyzing root causes.
* Configuring and Handling Oracle Network files like **Listener.ora, TNSNames.ora** and **SQLNET.ora.**
* Managed data security and integrity using **DB Vault**, **Wallet**, Transparent Data Encryption (**TDE)** and Data Masking.
* Created tables that contain Encrypted Columns and Oracle Wallet Management for Transparent Data Encryption **(TDE)** 11g,12c and installed **Database Audit vault** server and **database firewall** and protected realms.
* Written Stored Procedure and **Triggers** for database maintenance and management using PL/SQL and Involved in gathering requirements from end users.
* Provided on-call support regarding production-related database problems.
* Performed **Database** and **SQL tuning** by using various **Tools like AWR, ADDR, ASH, TKPROF, Explain Plan, SQL Advisor and optimizer hints.**
* **Developed Scripts** for transferring data from production server to testing/development servers. Developed table structures, PL\*SQL stored procedures and database triggers to implement business rules.
* Cloning of databases using **RMAN** and User managed techniques and Involved in **scheduling incremental, cumulative and full backups and configured retention policy using RMAN.**
* Configured **GoldenGate Classic** and Integrated components for Active-Passive and Active-Active replication between **heterogeneous environments** (Oracle/ Microsoft SQL Server/ Sybase) and maintain data synchronization.
* Developed and configured GoldenGate macros for data conflict resolution, filtering and transformation, exception handlers.
* Created **SQL Loader** scripts using Unix shell scripting and PL/SQL. Worked with Java Developers to repair and enhance current base of **PL/SQL** packages to fix production issues and build new functionality and improve processing time through code of optimizations and indexes.
* Managing and providing 24X7 supports for various versions of databases.

**Environment**: Oracle 11gR2,12C, MySQL, SQL 2012, Linux 6.3 AIX – 6.1, Oracle Enterprise Manager, Grid Control, RHEL 7.3, Solaris 9, HP-UX, OEM Database control, PL/SQL, Oracle SQL Developer, Autosys, Shell Scripting, TOAD, ASM, RAC, GoldenGate, Data Guard.

**Education:**

Bachelor of Technology, JNTU, India