# ABHINAV VELUVARTHY

**Sr. Oracle Database Administrator**

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**EXPERIENCE SUMMARY:**

Have over 8 years of focused experience in IT industry in various fields like banking, insurance, financial, retail and manufacturing. Extensive experience in relational **database design, analysis, modeling, development, administration, implementation, trouble shooting and quality management**. Comprehensive experience as Oracle DBA; proficient in **Oracle 9i/10g/11g/12c Software Installations, Migrations, Database Capacity Planning, Automated Backup Implementation, Tuning Oracle 12c/11g/10g/9i on Unix and Windows NT platform**. Involved with architect group in designing the logical and physical model of the databases. Thorough understanding of the Oracle data dictionary. Have good experience in **UNIX administration, Shell scripting.** Have impeccable communication and interpersonal skills and an exceptional team player. Managing the team of Oracle DBAs and actively coordinated with the end user community.

* **Real Application Cluster**
* Involved with **installation and maintenance** of ORACLE 10g/11g RAC 2 node and adding a node to this cluster database for high availability.
* Hands on experience in Oracle 10g/11g/12c RAC implementation & administration (**Oracle Clusterware setup and configuration, RAC installation using ASM, Grid Installation**)
* Good experience RAC **Clusterware administration, Configuration and Patching, RAC Backup and Recovery**.
* Managed RAC Cluster using **SRVCTL** and **CRSCTL** and applied patches in rolling Fashion
* **Oracle Enterprise Manager**
* Setup Oracle Enterprise Manager (**OEM**) 11g & Grid Control (**12c**) for database monitoring/performance/diagnostics.
* Hands on experience in managing databases from Grid control
* Developed database **monitoring/health check alert scripts** for database uptime/downtime status, and sizing issues using grid control (OEM)
* **ASM**
* Extensive experience in configuring and implementing **ASM** and proficiency in using **ASMCMD and ASMLIB, Flash-Back Technology, Log Miner**.
* Done migration from non ASM database to ASM database.
* Responsible for maintaining every day backups and also to maintain ASM and disk space.
* Experience in implementation of enterprise databases on enterprise Storage Solutions using Storage Area Networks (**SAN**) / Network Attached Storage (**NAS**)
* **GoldenGate**
* Configured and replicated databases using oracle **Golden** **gate**.
* Experienced with cross site (active-active) data replication using **Golden gate**.
* Hands on experience working with **Golden gate** director and configured ODI to use oracle **Golden gate** for change data capture.
* Implemented zero downtime migration and upgrade of 10g to 11g database using oracle **Golden gate.**
* Replicated certain columns from a table and also certain values from columns by using oracle **Golden Gate**.
* Migrated databases using **Golden Gate and RMAN for 2node RAC**.
* Implemented **Broadcasting and** **Bi-directional Replication**.

Implemented and configured **Golden gate**

* **RMAN**
* Experience in database cloning with **RMAN**, Capacity Planning, Database Refresh and patch management.
* Extensive knowledge in Database Backup and Recovery concepts using **RMAN** utilities (scheduling full/incremental/cumulative backups, hot/cold backups writing/editing UNIX Shell Scripts for **RMAN**).
* **Dataguard**
* Extensive experience in **Dataguard configuration, implementing and maintaining standby databases**.
* Hands on Experience in using **Active Dataguard and Snapshot** standby databases
* Good knowledge on **Logical Standby databases**
* Upgraded databases from 11gr2 to 12C using Data Guard.
* Extensive knowledge and experience on **Data** **Warehouse** using ETL.
* **Patching and Upgradation**
* Good experience in **PATCHING AND UPGRADATION**.
* Expertise in upgrading Oracle Development and Production databases from 9i to 10g & 11g
* Upgrading of database from lower version to higher version using **opatch**.
* Upgrading of databases from **10.2.0.x TO 11.2.0.x. and 11.2.0.x to 12.1.0.2**
* Installed security patches, performed patching on oracle Database server 10g and 11g using **O-patch utility**.
* Extensive experience in oracle upgrades**, Critical Patch updates (CPU), Patch set updates (PSU)**
* **and other oracle patches.**
* **Datapump**
* Experienced in maintaining databases on large **Production, Testing and DEV** environments.
* Proficient in raising TAR with Oracle Support and using Metalink to resolve the bottlenecks in the database environments
* Experience in **LOGICAL BACKUPS** and Database migration tools with **DATA PUMP**, **Export/Import** and Transportable Tablespaces.
* **Performance Tuning and Miscellaneous**
* Tuned various large critical **OLAP** and **OLTP** databases of Tera bytes size using various tools like **STATSPACK, AWR, SQLTrace, Tkprof, Analyze, ADDM and Explain Plan Methods**.
* Provides platform-specific performance tuning, installation and configuration
* Extensive knowledge on database administration for Oracle 9i, 10g and 11g, with experience in very largescale database environment and mission critical large **OLTP and OLAP** systems
* Experience in a variety of hardware and software platforms including; **MS-Windows, NT Server, UNIX/Linux, Sun Solaris, HP-UX & AIX and RHEL**
* Proficient in **SQL, PL/SQL, Stored Procedures, Functions, Cursors and Triggers** and extensively used **TOAD** for querying databases etc.
* Exposed to Data Warehouse assignments in various domains like Medical services, Sales, Insurance, Financial & Bank, Inventory Distribution, and Production Data warehouses
* Excellent Communication skills, co-ordination and communication with system administrators, business data analysts and development teams
* Experience as **On-Call 24x7** production DBA support, application/development DBA.

# TECHINICAL SKILLS:

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| --- | --- |
| **Operating Systems** | **HP-UX 10.x, 11.x, Sun Solaris 2.6,8,9,10, AIX 5.1,5.2, Red Hat Linux 4.x, 5.x, 6.x and windows 2000/2003/2008** |
| **RDBMS** | **Oracle 11g/10g/9i, Oracle 11g/10g Real Application Cluster (RAC), ASM** |
| **Tools and Utilities** | **RMAN, OEM, TOAD, SQL\*Loader, Export/Import, Data pump, Query builder, Net Backup, Tivoli Storage, SQL Tuning/Access Advisor, SQL Performance Analyzer, Data Guard, Cloning, Migrations** |
| **Languages** | **C, SQL, PL/SQL, UNIX/NT Shell Scripting, COBOL** |
| **Tuning Tools** | **TKPROF, EXPLAIN PLAN, STATSPACK, ADDM, AWR** |

**WORK EXPERIENCE**

**Fedex Custom Critical Inc, Uniontown,Ohio** Aug 2016 - present

**Role**: Sr. Oracle DBA

**Responsibilities**:

* Utilizing the **Oracle replication products Golden gate, and Data Guard and developing High Availability Oracle databases**.
* Worked on **database** requirements for new and **existing Oracle database schemas** to meet application needs.
* Used knowledge to **Develop, execute, and track** project schedules and work with application development teams being supported to manage the **database tasks**.
* Performed database tasks following **FedEx DES Standards & Guidelines**; includes:
* **Developed Oracle Schema**.
* Setting up, configuration and management of standby databases using **Data Guard** and performed Failover tests for High availability.
* Configured **Data Guard** environment for setting up a **physical standby in maximum performance** **mode**
* Write scripts to perform database tasks like **database creation, backup and recovery**, **Data Guard** monitoring, data migration, monitor space etc.
* Experience in configuring, maintaining **Data Guard** Broker and **performing switchover** and **switchback** from Production **to D**R
* Maintaining Oracle **Data Guard** and ensuring that the **physical standby** is always in sync with primary database.
* Experience in **configuring, maintaining Data Guard** Broker and **performing switchover** and switchback from Production to COB.
* Installation, Up gradation, Configuration and Troubleshooting **GOLDEN GATE** 12c software.
* Configured **GOLDEN GATE** Downstream **Mining and replication** components for replication.
* Performed Zero Downtime Database Data Center Migration using **GOLDEN GATE** and Data Guard.
* Configured **GOLDEN GATE** Downstream Mining and Integrated components for **Active-Passive** and **Active-Active** replication.
* Installed and configured **GOLDEN GATE** to work with OEM **GOLDEN GATE** Plugin.
* Configured **GOLDEN GATE** High Availability using Oracle **DBFS and Active Data Guard**.
* Monitoring and Performance tuning of **GOLDEN GATE** sessions at OS level, Database level and **GGSCI** level and investigate replication failures using **ggserr.log**, **report files** and **Log Dump utility.**
* Worked with Informatica team for performing **GOLDEN GATE** Initial loads.
* Experience in Oracle **RAC DBA configuration management**
* Performed Capacity Planning for **RAC database**.
* **Worked on maintenance scripting and scheduling (including Korn Shell).**
* Managed **Oracle RAC Database environment on Linux/RH**.
* Performing Database Change deployment through **development, test, and production systems.**
* **Performed troubleshooting and Post-deployment performance tuning of Oracle database and SQL in production.**
* Performed **database changes and document them in accordance with FedEx GDP and Change Management standards and guidelines.**
* Reviewing work product for all changes.
* Developed **schemas and schema changes for VLDB (Very Large Data Base) Oracle systems that are 5+ TB in database size.**
* **Developed** **schemas and schema changes for high-OLTP (Online Transaction Processing) Oracle databases that exceed 5,000 executions per second, and 10,000 I/O per second**.
* **Understanding United States regulations regarding SOX, HIPPA, PCI, FTC, and FDA where applicable and developed schemas and schema changes accordingly.**
* **Managed to develop and executing Oracle Backup and Recovery Plans in test and production systems.**
* **Performing** restoration and Recovery **where needed in development and test databases.**
* **Performance Tuning** for the **SQL** queries which are running slow.
* Heavily utilized OEM for monitoring, job scheduling, **Performance Tuning**, and other routine **DBA** activities

**Environment: Oracle 11g/12c, HP-UX UNIX RHEL 4.x/5.x, ASM 11.1.0.6 , OEM (Grid Control), RMAN and Data Guard, STREAMS, Explain Plan, SQL Developer, PL/SQL Developer, Data Pump, Business Objects, Toad, Informatica. Golden Gate.**

**Anthem**, **Norfolk, Virginia** Nov 2014 – July 2016

**Role**: Sr. Oracle DBA

**Responsibilities**:

* Experience in Design, Creating and maintaining the Oracle Database on **11g** and **12c**
* Created User accounts, Roles and granting required access permissions and privileges to the database based on the applications they are accessing.
* Manage the corporate **SOX t**est plan.
* Remediated 91% (20) of IT related deficiencies from prior **SOX** years
* Managed and administered **quarterly SOX** attestation process for all enterprise control activities
* Advised compliance committee on strategic and comprehensive approach to **HIPAA** compliance established by **NIST** (the National Institute of Standards and Technology). Performed and wrote a Gap Analysis Plan.
* Wrote full set of over **50 USHHS** **HIPAA** compliant documents including Information Security, Risk Assessment, Data Breach, Logical Access, Disaster Recovery Plan and Business Continuity Plans.
* Used Database Configuration Assistant (**DBCA**), Database Upgrade Assistant (**DBUA**) for upgrading to Oracle 12c to the latest Oracle 12c and applied patches as required.
* Installed, Configured and Administered **STREAMS** and good knowledge on **GOLDEN GATE**.
* Performed **Schema** as well as Table Level Replication using Oracle Streams
* Migrated databases using **Golden Gate and RMAN for 2node RAC**.
* Installed, configured Oracle **11gr2 RAC**/non **RAC** databases on **RHEL 6.4 VMs**
* Full support of **DBA** activities for **MAP** and Content **RAC**   databases on **10g and 11gr2** on **OEL Linux** **2.6**.
* Performed a database upgrade of **17Tb 2-node** **RAC** database with **ASM on 10.2.05 to 11.2.03 on** OEL Linux 2.6 using the RMAN cloning of the database and performing an out-of-place upgrade to **11gr2 GRID**.
* Configured and deployed **11gr2** **RAC** (4-node) in Dev, QA and Prod to support **PEGA** Applications. Fine-tuned **RAC**  configurations and the databases as a daily activity.
* Implemented Broadcasting and Bi-directional Replication.
* Implemented and Configured **Golden gate** **in 2 node RAC** cluster for flow into **EDW**.
* Resolved replication issues in **Golden gate**.
* Automating tasks using Cron for **GG** restart.
* Hands-0n experience in converting integrated to **classic extract and vice versa.**
* Implemented **12c** New Features in **Golden gate**
* Upgraded **Golden gate** from **v10 to v11**.
* Architect **Golden gate** **(10.x/11.x/12.x)** replication solutions to facilitate data flow between heterogeneous **(SQL Server and Oracle)** environments.
* Implemented and Monitored Data Guard on Oracle **11g and 12c** in maximum performance
* Implemented Dataguard and configured standby databases for critical databases using Dataguard and Export and import of database objects using **EXPDP** and **IMPDP**.
* Cloned schemas, objects and data on new server using **Data pump**.
* Involvement in **space management, rectification** of lock problems, **managed quotas**.
* Table partitioning to **improve I/O access**
* Data Refresh from Production to Test and Development environments using **RMAN** Duplicate Database or **Data Pump**
* Implemented **12c RAC** Clusters and created **POC** for failures and performance in the environment and **troubleshooting using clusterware Alert** Log Monitoring every day in the production environment
* Perform health checks using **crsctl** and managing services using **srvctl**
* **Performance Tuning** for the **SQL** queries which are running slow and taking more CPU cost
* Creation of database objects like **Tables, Indexes, Views, Users, and DB Links etc.**
* Query optimizing using **CBO** (**Cost Based Optimization**) and Scheduled Oracle Jobs and Backups using **CRONTAB**.
* Restoration and Recovery of databases at the times of **occurrence** of **critical failures**
* Experience in **Online and Offline backups** and **recovery.**
* Experience in backups and recovery using **RMAN** and Scripts.
* Experience in Administering Oracle Database **10g and 11g** using **Oracle Enterprise Manager (OEM),** **Toad, SQL** Developer and **PL/SQL Developer.**
* Daily Health Check Up of the Database and **SQL Queries** using **Statspack, AWR, ADDM and TKProf**
* Applied Security **Patches** from **Metalink** when needed and Responsible to **provide 24 x 7** database administrative activities over different database servers

**Environment: Oracle 11g/10g, HP-UX UNIX RHEL 4.x/5.x, ASM 10.2.0.4, OEM (Grid Control), RMAN and Data Guard, STREAMS, Explain Plan, SQL Developer, PL/SQL Developer, Data Pump, Business Objects, Toad, Informatica.**

**XEROX CORP, NY** March 2013 – Sep 2014

Xerox Corporation is an American global corporation that sells business services and document technology products. The company purchased Affiliated Computer Services for $6.4 billion in early 2010.[6] As a large developed company, it is consistently placed in the list of Fortune 500 companies.

**Role**: Sr .Oracle DBA

**Responsibilities**:

* Installed, configured and maintained Oracle **11g R2 on Linux also Upgraded from Oracle 10g to 11g**
* Implemented Oracle Database **10g Two node Real Application Cluster** (**RAC**) using Oracle Cluster-ware and responsible for high availability and load balancing.
* Installed, configured **Oracle 10g** **and 11gR1** Streams between two geographical disparate sites for a 3-node **RAC** on Solaris **2.10**
* Day-to-day DBA activities such as **tuning**, **RMAN** based **backup/restore** and recovery of production databases. ASM+ configured on each **RAC**  node for OMF files. Generation of AWRs, PGA memory management, **OEM** for **ONAMES and LDAP**.
* Develops, interprets, and implements operational requirements for flow process and tracking of requests from **CMS Recovery** (**RAC**) Program**, CMS** Medicaid Integrity Program, **CMS** Prepayment Reviews as well as all other coordination, monitoring, and direction of **RAC** activities.
* Provides financial data and analysis **for internal and external reporting**. Ensures the system is prepared for **RAC**audits, coordinates response to audit requests, challenges questionable determination and assists in filing timely appeals.
* Prepares and **perform quality audits of Medical Records** to be released. Have a working knowledge of rules and regulations as they pertain **to CMS  RAC**  program and other government regulatory and enforcement agency audits for documentation and billing compliance.
* Installation, configuration and management of 2 –Node  using **OCFS** in Oracle 10.2.0.3 on Linux (**Oracle Enterprise Linux 4.5)** **using NFS** to provide the shared storage. Setting up of kernel
* Very good Knowledge on **11g** New Features.
* Configured Oracle **Data guard for Oracle Disaster recovery**.
* Achieved **High Availability, Data protection and Maximum performance** by maintaining both **physical and logical standby databases**.
* **Restoration and Recovery** of databases at the times of occurrence of **critical failures**.
* Responsible for installing, upgrading and configuring the Oracle environment by creating databases, storage structures and objects, **database** **backup and recovery, monitoring and optimizing database performance.**
* Installation, Configuration and Administration of **Oracle 11g RAC**.
* Optimization and **tuning SQL** queries using **TRACE FILE, TKPROF, EXPLAIN PLAN**.
* Implemented Oracle database **backup & recovery** solutions using **RMAN**.
* Extensive use of Oracle **Data pump Exports/Imports** utility for moving data among the servers.
* Performed large batch jobs, and **tuning of SQL** queries and database systems.
* Oracle streams **AQ (Advance Queuing)** in integrated application environments.
* Configured and implemented **Oracle Streams (AQ and dequeuer) for high availability**.
* Good skills in configuring and implementing **down streams, Queues database**.
* Very Good Knowledge on **oracle streams**
* Oracle **streams AQ client**/ server communication.
* Performed Schema as well as Table level Replication using **Oracle Streams**.
* Implemented downstream capture at the destination database using **Oracle Streams**.
* Responsible in configuring and backing up database using **RMAN,** **Hot backups, Cold backups and Logical backups.**
* Performed automated **backups** and **scheduling using scripting**.
* Experienced in dealing with **Query execution plan, SQL trace, TKprof**.
* Worked with **Data pump** to take the **logical backups of databases**.
* Experienced in performing Point in time recovery using **RMAN**.
* Used oracle configuration assistants like DBCA(Database Configuration Assistant) for Creating databases, **DBUA(Database Upgrade Assistant)** for Upgrading databases and **NETCA(Network** **Configuration Assistant)** for creating a Client-Server environment using **Listener, TNS names** etc.,
* Working Experience with Latest TOAD having new features Health **PLSQL & SQL Script Debugger,** Database Checkup, **ASM Manager, Diagnose Extents, Segment Advisor, SGA Trace, Query Builder.**
* Created indexes to facilitate easy user interface implementation and tuning.
* Implemented advanced features of Oracle **10g** such as **Automatic Database Diagnostic Monitor (ADDM),**
* **Automatic Workload Repository (AWR)** for monitoring database performance.
* Tested database performance issues (**monitoring and tuning**) to ensure database optimization.
* Performed administrative **maintenance, monitoring on Oracle database** systems in a **global 24x7** operational environment.
* Involved in gathering requirements from **end users.**
* Clear documentation was prepared on all the processes like **program specification, bugs fixing logs & change requests for future reference.**
* **Environment: Oracle 11g/10g, HP-UX UNIX RHEL 5.x, ASM 10.2.0.4, CRS 10.2.0.4, OEM (Grid Control), RMAN, RAC and Data Guard, Explain Plan, Oracle Support, SQL Developer, Data Pump, Business Objects, Toad, Informatica, VERITAS Net Backup**

**Optum,** **Minneapolis, MN** Nov 2012- Feb 2013

Optum is a new business brand of UnitedHealth Group and operating business through **Business Process Outsourcing (BPO) services**. UnitedHealth Group serves **approximately 70 million** individuals throughout the United States

**Role**: Oracle DBA

**Responsibilities**:

* Installed and Configured Oracle **11g** databases on **Linux** and also **Upgraded Oracle databases from 10g to11g version.**
* Implemented Oracle Database **11g Two node** **Real Application Cluster (RAC)** using Oracle Cluster-ware and responsible for **high availability and load balancing.** \* Configured Oracle **Data guard for Oracle Disaster recovery.**
* Achieved **High Availability, Data protection and Maximum performance** by maintaining both physical and logical standby databases.
* **Restoration and Recovery** of databases at the times of occurrence of critical failures.
* Responsible for installing, upgrading and configuring the Oracle environment by creating databases, storage structures and objects, **database backup and recovery, monitoring and optimizing database performance.**
* Implemented Oracle **database backup & recovery solutions** using **RMAN.**
* Extensive use of Oracle **Data pump Exports/Imports** utility for moving data among the servers.
* **Performed large batch jobs**, and **tuning** of **SQL queries** and database systems.
* Created **User accounts, Roles and granting** required access permissions and privileges to the database based on the applications they are accessing.
* Renaming and Resizing the databases and **Configured** and **implemented Oracle Streams** (**Advanced Replication**) for **high availability**.
* Performed Schema as well as Table level **Replication using Oracle Streams**.
* Implemented downstream capture at the destination database using Oracle Streams.
* Responsible in configuring and backing up database using **RMAN, Hot backups, Cold backups** and **Logical backups**.
* Performed **automated backups** and **scheduling using scripting**.
* Responsible **for migration of databases**.
* Written Stored Procedures and Triggers for database **maintenance and management** using **PL/SQL, UNIX Shell Scripts for backups.**
* Worked with Data pump to take the logical backups of databases and Experienced in performing Point in time recovery using **RMAN.**
* Used oracle configuration assistants like **DBCA(Database Configuration Assistant)** for Creating databases, **DBUA(Database Upgrade Assistant)** for Upgrading databases and **NETCA(Network** **Configuration Assistant)** for creating Client-Server environment using **Listener, TNS** **names** etc.,
* Involved in **designing logical and physical** data models using **Erwin.**
* Working Experience with Latest **TOAD** having new features **PLSQL & SQL Script Debugger, Database Health Checkup, ASM Manager, Diagnose Extents, Segment Advisor, SGA Trace and Query Builder**.
* Created indexes to facilitate easy **user interface implementation and tuning.**
* Implemented advanced features of Oracle 10g such as **Automatic Database Diagnostic Monitor** **(ADDM),** **Automatic Workload Repository (AWR)** for monitoring database performance.
* Tested database performance issues (**monitoring and tuning**) to ensure database optimization.
* Performed administrative **maintenance, monitoring** on Oracle database systems in a global **24x7 operational environment**.
* Involved in gathering requirements from **end users**.
* Estimate growth of **database size** by detail analysis of the **company's future** policies and generating reports for the **management** to act in advance.

**Environment: Oracle 10g/11g, Sun Solaris, HP-Unix, UNIX, Linux 4.0, 5.x RMAN, DBCA, Data Guard, EXPLAIN PLAN, Cloning, OEM, STATSPACK, TKPROF, Informatica, PL/SQL and Toad.**

**HSBC BANK Hyderabad, India** April 2009 to Sep 2012

# Role: Oracle DBA/ PL/SQL Developer

**Responsibilities**:

* Performed full and incremental Backup Using **RMAN** Utility for Production databases.
* Involved in Upgrading the databases using **Database Upgrade Assistance** **(DBUA)**
* Performed cloning and refresh of Database from production environment to test environment using **RMAN** Duplicate database and **Data pump import export**.
* Handling service requests within Service line agreement.
* Involved in configuration files like **Listener.ora, Tnsnames.ora** for Client-Server environment using network configuration assistant.
* Identified and fixed the logical block corruption using **RMAN**.
* Performed Data load on different databases from flat file using **SQL\*Loader**.
* Performed Hot backup, cold backup and incremental backup for production database using **RMAN**.
* Monitored ALERT Log files to keep tracking the Oracle Errors and make necessary action to rectify them.

**Environment:** **Oracle 9i/10g, Sun Solaris, HP-Unix, UNIX, Linux 4.0, 5.x RMAN, DBCA, Data Guard, EXPLAIN PLAN, Cloning, OEM, STATSPACK, TKPROF, Informatica, PL/SQL and Toad**