**BINOD SHAH**

**Oracle DBA**

**PROFESSIONAL SUMMARY:**

* Having over **7 years** of experience in Oracle Database Administration with handling production databases and various lower environments. I have participated in a wide array of activities in support of multi-tier **production, test and development** environments.
* Experience in Installation, Configuration,**Upgrade, Migration, Backup and Recovery**, Administration, Monitoring, **Patching, Performance Tuning, Security, Cloning, Data Guard**, RAC, Grid Control.
* Managed **Oracle RDBMS**RAC & NON-RAC 11g& 10g databases on **Linux/Windows/Unix platforms**.
* Implemented database Backup and Recovery techniques using RMAN including **duplicating/cloning databases** across with point-in-time recoveries.
* Planning and scheduling **Physical Backups (offline/online) and Logical Backups** including **Datapump**. Expertise in **Hot/Cold Backups and Recovery**, archive and noarchive database log mode.
* Experience in Administering Oracle Database using **OEM (Grid Control)**, SQL Plus, SQL Developer and third party tools like **TOAD**, and **Monitoring Alert log** for any errors and issues.
* Configured retention policy to recovery window using RMAN to backup of any failures of controlfile, datafile, tablespace.
* Expertise in Data Migration and database backup using traditional exp/imp, Logical backups using full export and **Data Pump**. Data loading, **Transportable Tablespaces and SQL\*LOADER**.
* Expertise in **applying Patches** (Patching), Critical Patch Update (**CPU**), Patch Set Update (**PSU**) and One-off Patches using OPatch and run installer, on all servers (Using OEM or manually).
* Well versed in **database upgrades and deployments** in production and lower environments.
* Database **Refresh/Clone** and remapping of data from Production to Development and from Development to Test environments and used duplicate commands of RMAN.
* Experience in Implementing, configuring, trouble shooting, and switchover, failover of **Physical Standby Data Guard** on **10g** and **11g**, data guard broker and active data guard.
* Configuration and administration of **Standby Databases** for Disaster Recovery Sites/Fail-Over Testing and also applying redo logs to protect enterprise data from failures, disasters, errors, and corruptions.
* Experience **on Oracle Architecture, SGA, PGA**, LISTENER, TNSNames, V$ GV$ and DBA views.
* Experience in creating different kinds of partitions on tables and indexes for managing large tables.
* Experience in monitoring, optimizing oracle database for Performance Tuning using tools like **AWR, ADDM, ASH, STATSPACK**, TKPROF, EXPLAIN PLAN, and SQL TRACE.
* **Expertise** on SQL tuning, creating useful **Indexes**, gathering statistics, finding locks and resolving deadlocks and tuning parameters.
* **Expertise** in Extracting, Transforming and Loading (ETL) data using SQL Loader utility.
* ExposureofRAC environment, exposure to Exadataenvironment and storage management.
* Performed **Transportable Tablespaces (TTS)** using Datapump and Implementation of multiplexing control files and redo log files management.
* Experience of setup and configuration, implementation of **ASM, Grid Control**.
* Configured **ASM disk groups** to store Data files, redo log files, and control files.
* Worked as a part of team in **24x7 production environment** and provided **on-call and day-to-day support**.
* Fairly good hands-on experience working with **Oracle Support using Metalink** and other support procedures to troubleshoot day-to-day database issues.

**EDUCATION:**

* Certificate in **Oracle Database Management,** Strayer University, Virginia,USA
* **Bachelors of Science** in Mathematics, Tribhuvan University, Nepal

**TECHNICAL SKILLS:**

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| **Operating Systems** | UNIX, Sun Solaris, HP-UX, AIX, Red Hat Linux 4.x, 5.x, Windows 2005/2008/XP/7, VMware. |
| **RDBMS** | Oracle 12C/11gR1&R2/10g/9i, RAC, Non-RAC, SQL Server 2005, 2008. |
| **DBA Tools** | Oracle Enterprise Manager (OEM), Grid Control, Cloud Control, Toad, SQL Developer, SQL\*Plus, SCP, NSLOOKUP, SSH, PuTTy, CygWin, SecureCRT, VPN, NetApp, Telnet, WinSCP, TCP/IP, Remote Desktop Connection, FileZilla, Network Pump, Team Viewer. |
| **Database Utilities** | DBCA, DBUA, NETCA, SRVCTL, CRSCTL, Cellcli, Asmcmd, OCRCONFIG, ASMCA, SQL\*Plus, DBV, SQL\*Loader, RMAN, Data Guard, DataPump, Exp, Imp, Expdp, Impdp, Golden Gate, Exadata, etc. |
| **Languages** | SQL, PL/SQL, UNIX Shell Scripting, Perl, Ksh, bash, MYSQL, DB2. |
| **Web Tools** | HTML, XML, HTTP, TCP/IP, Metalink, MS Visio, Planview, Singleview. |
| **Packages & Utilities** | MS Office 2003/2007/2010, Adobe Photoshop, Adobe Acrobat. |
| **Performance Tuning** | Grid control, Toad, Quest SQL Optimizer, STATSPACK, TKPROF, AWR, ADDM, ASH report, Explain Plan. |

**PROFESSIONAL EXPERIENCE:**

**College Board, Reston, VA Mar 2013 - Till Date**

Oracle DBA

**Responsibilities:**

* Supported multiple environments of the databases in fast paced operational environment and managed hundreds of **Oracle 11gR2** databases.
* Supported with the activities such as **Database Installation, Configuration,**Space Management, User and Security Management, **Release Management, Patching, Deployment. Backup and Recovery, Flashback**, Query Optimization, testing, implementation and Shell scripting.
* Supported all aspects of **OLTP/OLAP** databasesin production, QA, and development environments (versions 10g and 11g) on **Linux, Sun Solaris andAIX servers**.
* Worked with **TOAD and OEM** for performance related issues and trouble-shooting.
* Monitoring various targets through Oracle Enterprise Manager **(OEM) Grid Control**. Monitoring Tablespaces and Datafiles utilization. Monitoring and Planning alert logs/system logs.
* Worked very closely with developers and other team members to implement the changes with ticketing system in the **production databases and other lower environments**in daily basis as requested.
* Supported for weekly and monthly release management and implemented the **database changesand deployment**in off business hours.
* Managed **logical/physical backups** for the databases depending on the nature of database set up either full export, partial export or export of just the structure of schema objects.
* Applied **Critical Patches Update (CPUs)**and individual patch sets software upgrade for Oracle database server every quarter on more than 90 servers. Rolling back conflicted patches and apply one off patches for **production and lower environment**.
* **Migrated** data using export/import, oracle data pump, transport table spaces and standby databases.
* **Cloned/Refreshed** Oracle Databases for development and testing.
* Recovered Tables to **point-in-time** using **Flash Back** Recovery feature.
* **Upgraded** databases from 10g to 11g, 11.1.0.7 to 11.2.0.3 and 11.2.0.4.
* Implemented OEM 10g grid-controlled management servers and agents with 10g R1/R3 repository to manage 200+ targets.
* **Flashback Database of SCN**, guaranteed restore point during Application testing.
* Developed automated scripts (e.g.: checking Database usage, Table space usage, generating statistics for tables and indexes, and check roles and their privileges Etc.)
* Coordinating with teams and Oracle Service Request (SR) for troubleshooting the issues.
* Experience in Batch Monitoring, automated jobs using CRON, DBMS Scheduler.
* Restored and Recovered database at the times of occurrence of critical failures using **RMAN**.
* Extensively used and tuned Oracle **Data pump**, Exports/Imports utility for moving data among the Servers.
* Expertise in account set-up, maintenance, access, and permissions in order to support project demands.
* Implementation of High Availability solutions with Oracle 11g RAC, 10g RAC, Standby Database (Data Guard), Replication.
* Performed Setup Recovery Manager (RMAN) and Flash Recovery. Performed **Backups and Recoveries using RMAN**/ conventional hot backups. Cloning databases using manual method and RMAN.
* Installed and Configured Oracle Data Guard for Oracle 11g & 10g and maintenance of Stand by database.
* Used **AWR** for the performance issues to analyze performance bottlenecks.
* Created **Database Links** between the Servers and managed them to access the data between the servers and databases.
* Added ASM storage whenever spaces are used-up in production.
* Continuous monitoring of database backups performance during peak and non-peak loads using **STATSPACK**.
* Oracle Database and SQL tuning using SQL TRACE, EXPLAN PLAN, **AWR, ADDM and ASH report**.
* Extensive use of Crontab in UNIX environment for scheduling routine tasks and writing UNIX scripts.
* Troubleshooted ORA- errors. Open and managed SR's with Oracle, and follow-up.
* **24 X 7** Production Oracle database support, administration and on call support.

**Environment:** Oracle 12c/11g/10g, Unix, Red Hat Linux, AIX, HP-UX, Sun Solaris, SQL Server, Windows 2000/2003/XP/7, RAC, SQL\*Plus, SQL\*Loader, MYSQL, SQL, PL/SQL, DB2, Data Guard, Data pump, RMAN, ASM, TOAD, OEM/Grid Control, Rational Clear Case.

**Fannie Mae, Reston, VA Jul 2012 - Mar 2013**

Prod Support (DBA)

**Responsibilities:**

* Extensively used **data movement usingDatapump**, Export and Import of databases for **Logical** backups and restores.
* Management of users, roles, granting and revoking rights and privileges.
* Coordinated with the developers for customizing modules.
* Discoursed the tips on evaluating the **backup and recovery procedure** periodically.
* Defragmentation of tables and indexes for improve performance and efficiency.
* Creation and maintenance of control files, redo log files and data files. Monitoring alert log/system log.
* Resource Management (Created and managed Indexes, Tables), allocated and managed physical storage structures like Datafiles, Redo logs, Control files.
* Allocated and managed logical storage structures like Tablespaces.
* User access **Auditing** and security aspects of the database.
* Checked Alert Log errors and make necessary actions to rectify them.
* Performed monitoring and management of the databases using tools like **Enterprise Manager,TOAD**, and SQL developer.
* Used **SQL\*Loader** and **External tables** to load data from flat files.
* Created and Managed Oracle **Database Links** between Servers.
* Database resource monitoring (table space usage and fragmentation, I/O loads, rollback segments, space planning etc.).
* Extensively worked on **UNIX, Linux, VI editor** to setup monitor for log files, file systems, databases and servers.
* Performed technical troubleshooting, changes, and daily **tasks** for Enterprise Monitoring Applications and Systems with providing operation and production support for Enterprise Monitoring Applications.
* Coordinated incident resolution with infrastructure and application support groups and implement changes to prevent problem recurrence.
* Maintained Remedy incident **tickets** and service online request cases in a timely and efficient manner, and resolve the request using vi editor, **Shell scripting, Unix, Linux environment,** managing and escalate issues according to the proper procedures.
* Worked closely with UNIX, **Network**, Database, and WINTEL support groups, and with business application groups, to understand and prioritize their requirements for the effective implementation of monitoring solutions and to maximize the effectiveness of the **monitoring** environment.
* Participated in supporting user requests and daily maintenance duties and in the **24x7** L2 on-call primary **support** rotations with other L2 team members.
* Performed incident ticket trending and analysis to identify root cause and reduce overall problems and perform approved L2 change controls per documented procedures.
* Troubleshoot, resolved and documented resolutions for incident tickets, also updated Operations Guides, and system procedures based on incident resolutions.

**Environment:** Oracle 11g/10g/9i, Red Hat Linux, UNIX, AIX, HP-UX, Sun Solaris, Windows 2000/2003/XP, SQL Server, RAC, ASM, RMAN, Data Guard, SQL\*Plus, MYSQL,DB2, PL/SQL, SQL\*Loader, TOAD, SQL Developer, Remedy, Exadata, Autosys, Clear Case and Clear Quest.

**GXS, Gaithersburg, MD Jan 2010 – Jul 2012**

Database Administrator

**Responsibilities:**

* Managed **database security**. Created users, roles, granting and revoking privileges, auditing security.
* Created, Altered Partitioned tables for large customer related data.
* Imported data from flat files into database using **SQL loader and External Tables**.
* Creation and maintenance of **tablespaces, rollback segments** and database objects.
* **Upgraded databases applied patches**, patch sets and critical patch updates.
* **Managed Undo Tablespaces**, Redo Logs, Control files and Archive logs.
* Database resource monitoring (table space usage and fragmentation, I/O loads, **rollback segments, space planning** etc.).
* Creating **service requests** and following up with Oracle for critical solutions.
* Established a **dblink** between two Oracle Servers.
* Responsible for administration and supporting Oracle 9i and 10g databases and monitoring to ensure a proactive problem. Recognition and resolution of database issues.
* Installed, Upgraded and Configured Oracle 9i and 10g databases.
* Provided **24x7 on call** production support.
* Created and maintained control files, redo log files and data files.
* Used cross platform **transportable table space (TTS)** to transport tablespaces across platforms.
* Worked on table replication.
* Used Export and Import of databases for **Logical backups and restores**.
* Creating and dropping of users, granting and revoking rights as and when required.
* Used Oracle 10g **Enterprise Manager (Grid Control)** for diagnosing and monitoring performance related problems and configured with Application servers on test databases.
* Defragmentation of tables and indexes for improve performance and efficiency.
* Storage Management, Managing Space, Table spaces, Segments and Extents, Rollback Segments & Data Dictionary.

**Environment:** Oracle 10g/9i, Windows 2000/2003/XP, Red Hat Linux 4.x, Unix, AIX, Sun, HP, Oracle Enterprise Manager (GC), SQL, PL/SQL, SQL\*Plus, SQL\*Loader, Toad.

**Wells Fargo, Mclean, VA Nov 2007 – Jan 2010**

Data Analyst

**Responsibilities:**

* Analyzed data for balancing, resolved data issues and documented differences for book of business.
* Performed MS Office processing duties using Microsoft Word, Excel, PowerPoint, and Outlooks.
* Periodically audited and validated data in application lifecycle and addresses data anomalies or issues as necessary.
* Under limited supervision, provided duties as a service representative in addition to handled compliance of audit operations and regulatory issues.
* Duties included workflow scheduling, transaction approval, Service Representative training and supervision. Responds to inquiries/problems and handled more complex services/transactions.
* Processed transactions accurately and efficiently to build customer confidence and trust, based on established policies and procedures
* Prepared daily and monthly balance of transactions as well as other reports, and performed administrative tasks as necessary, etc.
* Managed and resolved data related issues on a daily basis that are reported by customers and internal employees in an effort to meet individual & department goals.
* Acquired data from primary or secondary data sources and maintain databases/data systems.