

Falguni Shah
falguni.h.shah@gmail.com
(203) 524 5149



Summary

I am **Oracle DBA/Banner DBA** have 15+ years of experience with **Banner/Oracle Database Administration, Architecture, Designing and Banner Administration**. Manage Oracle **24x7 (OLTP & Data Warehouse)** environment. Work in Production and Development environment. As a DBA, involved in **backup, recovery**, migration, **upgrades, tuning** and maintaining **security** along with other day-to-day database maintenance activities. As a Banner Administrator, involved in upgrade of Banner 5.x,6.x,7.x, 8.x, Banner 9 and installing Oracle Fusion Middleware, Tomcat server. Upgrading banner and applying patches to Banner. Involved in writing **Unix shell & sql** scripts for ease in DBA tasks. Wrote **PL/SQL** packages for various applications.

Education: B.S. in Computer Science from Kensington University, California USA

Technical Skills

- Operating System : Solaris(8,9),Linux RedHat 4.0.5.0, 6.0,7.0,OEL 6.0
Windows,HP UX
- RDBMS : Oracle 8i, 9iR2,10gR2,11g,12c
- Monitoring Tools : Oracle Cloud Control 12c, TOAD
- Application server : Oracle 10gAS, Oracle 11g Fusion Middleware,Tomcat 7,8

Project Profile

Organization : Montclair State University
Position : Banner DBA/Technical Lead
Duration : April 2019-June 2019
OS : Oracle Enterprise Linux 6,7
Oracle Version : Oracle 11g,Oracle 12c,
Middleware : Oracle11g Middleware, Tomcat 8
Environment : Production DBA/Banner DBA
Other Tools : Oracle Cloud control, TOAD

- Manage and maintain oracle ASM instances
- Install Oracle April PSU patches on the development and production environment
- Monitor the DBs for the space issues and take the prompt actions.
- Clone the instances with RMAN duplicate
- Clone the instance as the client is moving from Peoplesoft to Workday
- Install Workflow 8.7 from scratch and integrate with Banner
- Upgrade banner9 modules like Banner AR, student self service, student registration, student registration ssb etc via ESM
- Involved in the degreeworks upgrade
- Worked with the developers and helped out in the code to improve the query performance
- Manage and maintain the ODS database.
- Write the Unix shell scripts
- Write the shell script for RMAN backups across all the servers
- Monitor the DB performance and optimize the database as per the requirement
- Manage the Peoplesoft databases

- Manage and maintain the third party products like clean address, workflow, BEIS etc.
Installed the N2N third party application in banner
Setup the database with Flashback ON feature for the recovery purpose
- Set up the data guard with flashback ON and open it in read write for the users during the daytime.
- Monitor and manage the databases using the Oracle cloud control 13c.
Manage the Degreeworks database, refresh the test data with production.

Organization : Foothill-De Anza Community College District

Position : Banner DBA/Technical Lead

Duration : Oct 2017- Mar 2019

OS : HP UX, Enterprise Linux 6,7

Oracle Version : Oracle 11g, Oracle 12c,

Middleware : Oracle 10gAS, Oracle 11g Middleware, Tomcat

Environment : Production DBA/Banner DBA

Other Tools : Oracle Cloud control

- **Administration and cloning of OLTP databases.**
- Maintaining and managing Oracle DBs for OLTP and DSS environment.
- Identify the users performance issues with effective communicating with Developers and Business users. Also help them to write code efficiently and help them for day-to-day activity.
- Clone the database regularly for the testing purpose.
- **Installing, Migrating and Upgrading Oracle Products.**
- Installation of Oracle 12c, Oracle Fusion Middleware 11g on Linux Servers.
- Migration path from 11g to 12c Release1.
- **Installing Banner Upgrades**
- Involved in major migration from banner8 to banner9
Upgrade the Banner system from banner8 to banner9 Student Academic History, Application Navigator, Student Registration , student registration SSB, Account Receivable etc. via ESM.
 - Install DBEU phase2 for Banner9
- **Installing and Configuring Oracle 11g Fusion Middleware and Tomcat.**
 - Install Oracle Fusion Middleware 11g on Linux servers
 - Install Tomcat 7 and Tomcat 8
 - **Managing and implementing Backup & Recovery strategies & Data Guard**
 - Implement Backup using Oracle tool RMAN (Recovery Manager)
 - Perform Full Database backup, Archived log file backup as well as export of the database. All the mentioned backups strategies are automated & scheduled using Oracle & other shell scripts.
 - Prepare and Manage Oracle Data Guard.
 - Cloning database periodically for reporting purpose.
 - **Tuning Oracle server to obtain optimal performance.**
 - Tune Oracle memory
 - Study Oracle Parameters and tune it appropriately to obtain and high performance Oracle Database.

- Maintain statistics of the database using DBMS_STATS utility.
- Sql code review.
- Involved in physical and logical design to avoid I/O contention and fragmentation.
- **Write Unix shell scripts to automate DBA & Maintenance tasks like**
 - Automate RMAN backup and RMAN scripting.
 - Automate Oracle Data Guard with the Flashback feature for the reporting purpose.
 - Wrote scripts for other maintenance and monitoring of databases.

Organization : University of West Indies

Position : Banner DBA/Technical Lead

Duration : Mar 2016-Mar 2017

OS : Linux Redhat 4.0,.5.0,6.0

Oracle Version : Oracle 10gR2,Oracle 11g,Oracle 12c, Oracle 10gAS,Oracle11g Middleware

Environment : Production DBA/Banner DBA

Other Tools : Oracle Enterprise Manager, Toad

University of West Indies comprises of 3 campuses. I am mainly responsible for managing and upgrading the system at Open campus.

- Upgrade the Banner system version from unsupported version 7.x to 8.x for all the student,general.finance,HR, position control etc modules and manage them.
- Conversion of the database to the UTF-8 Character set as per Banner8 requirement.
- Install ICU for the banner8 Pro*C requirement.
- Install and Configure AQ processes.
- Install DBEU to prepare for banner9
- Install Banner 9 Faculty Grade Entry, Academic History, Student Overall etc.
- Install and manage BEIS from scratch
- Install and manage Tomcat server for Banner XE
- Manage Banner Security
- Manage the jobsub, dataload etc
- Perform the Fiscal Year End
- Apply the Banner patches as per the functional requirement
- Monitor the performance especially during registration and add/drops
- Clone the Oracle database for the testing, reporting purpose with RMAN Duplicate.
- Installation of Oracle RDBMS 10g,11g and 12c.
- Migration from 10.2.0.4 (32 bit) to 12c (64 bit)
- Install Fusion Middleware 11g Release2
- Perform Full Database backup, Archived log file backup as well as export of the database. All the mentioned backups strategies are automated & scheduled using Oracle & other shell scripts.
- Prepare and Manage Physical standby database.
- Tune Oracle memory (SGA, Block Buffers , Shared Pool).
- Migrating Oracle application servers for Internet Native Banner (INB) and Self service Banner , currently running 11g Release 2

Organization : Ellucian

Position : Oracle DBA/Banner DBA

Duration : Nov 2010 - May 2015

OS : Solaris 9, Redhat 4.0,.5.0,6.0

Oracle Version : Oracle 10gR2,Oracle 11g,Oracle 12c, Oracle 10gAS,Oracle11g Middleware

Environment : Production DBA/Banner DBA

Other Tools : Oracle Enterprise Manager, Toad

Ellucian provides the consulting services to the universities who has banner ERP system. I was managing 4 Universities providing Complete Oracle and Banner support.

- **Installing Banner Upgrades**
- Upgrade the Banner system version 8.x for all the student,general.finance,HR, position control etc modules and manage them. Review the dependencies for the upgrades.
- Conversion of the database to the UTF-8 Character set as per Banner8 requirement.
- Install ICU for the banner8 Pro*C requirement.
- Install and configure the FM need Analysis for FA 8.10.
- Install and Configure AQ processes.
- Install DBEU to prepare for banner9

- **Manage Banner**
- Perform day-to-day maintenance
- Manage Banner Security
- Manage the jobsub, dataload etc
- Perform the Fiscal Year End
- Apply the Banner patches as per the functional requirement
- Monitor the performance especially during registration and add/drops

- **Clone the database**
- Clone the Oracle database for the testing, reporting purpose with RMAN Duplicate.

- **Installing, Migrating and Upgrading Oracle Products.**
- Installation of Oracle 10gR2, Oracle Forms & Reports 10gR1, 10gR2 on Sun Solaris and Linux Servers. Install Oracle IAS 10.1.2.3 and Fusion Middleware 10.1.3.x
- Migration path from 8i to 9i, 10g release 2, 11g.
- Upgrading from 11g to 12c in test system.

- **Manage the Backups**
- Implement Backup using Oracle tool RMAN (Recovery Manager)
- Perform Full Database backup, Archived log file backup as well as export of the database. All the mentioned backup strategies are automated & scheduled using Oracle & other shell scripts.
- Prepare and Manage Physical standby database.
- Cloning database periodically for reporting and testing purpose.

- **Tuning Oracle server to obtain optimal performance.**
- Tune Oracle memory (SGA, Block Buffers, Shared Pool).
- Study Oracle Parameters and tune it appropriately to obtain high performance Oracle Database.
- Maintain statistics of the database using DBMS_STATS utility.

- **Write Unix shell scripts to automate DBA & Maintenance tasks like**
- Automate RMAN backup and RMAN scripting.
- Automate standby to apply archive log copy and recover scripts.

- **Installing and Configuring Oracle 11g Fusion Middleware and 10g Internet Application Server.**

- Migrating Oracle application servers for Internet Native Banner (INB) and Self service Banner , currently running 10.1.3.x

Install and Configure Banner Degreeworks :

Install and configure Banner Degreeworks 4.1.3.1

- **Data Migration**

Transition the Universities from non-hosted to hosted environment with different OS systems

Organization : Western Connecticut State University,Danbury CT

Position : Oracle DBA /Banner DBA/Unix Admin

Duration : Aug 2002 – Nov 2010.

OS : HP Tru64 Unix 4.0,5.1b,Sun Solaris 8,9, Windows NT 4.0
Server, Windows 2000 ,Windows XP, Redhat 4.0,.5.0

Oracle Version : Oracle 8.i, 9iR2, 10gR2,Oracle Application Server Release 2,10gAS

Environment : Production DBA

Other Tools : Oracle Enterprise Manager

WCSU is one of the state universities in Connecticut. University uses Oracle as a Backend for all the internal operation, includes Finance, Admission, Financial Aid, Online Courses etc. The database is most critical since staff and users (students) are accessing this 24x7

- Managing High end OLTP Databases.
- Clone the database regularly for the testing purpose.
- Installation of Oracle 8i, 9iR2,10gR2,11g Oracle Forms & Reports and 11g Fusion Middleware on Sun Solaris and Linux Servers.
- Migration path from 8i to 9i to 10g release2.
 - Implement Backup using Oracle tool RMAN (Recovery Manager)
 - Prepare and Manage Physical standby database.
 - Cloning database periodically for reporting purpose.
 - Tune Oracle memory (SGA, Block Buffers , Shared Pool).
 - Study Oracle Parameters and tune it appropriately to obtain and high performance Oracle Database.
 - Maintain statistics of the database using DBMS_STATS utility.
 - Tune DSS & OLTP based on the dataset and the data layouts.
 - Automate to run utlstat & utlstat scripts everyday for tuning purpose.
 - Automate standby to apply archive log copy and recover scripts.
 - **Insttalling** and configuring Sun Solaris 8,configure firewall on it and maintain it. Prepare the disk layout and distribute the data accordingly.
 - Install and maintain the LMB and LMG to work in conjunction with Banner and the portal.
 - Install and configure OEM 10g Grid control 10.2.0.5
 - Managing and monitoring databases , application servers through OEM
 - Upgrade the Banner system from version 5.x,6.x,7.x and 8.x for all the student,general.finance etc modules and manage them.