**Manoj**

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**Senior DB2 DBA**

**Summary:**

* Over 8+ years of IT experience involving database administration at all phases of database development lifecycle i.e. design, development, implementation and maintenance and support of databases using DB2 V8.x/9.1/9.5/9.7/10.1/10.5 on AIX, Linux, Solaris, HP-UX and Windows.
* Worked on installation of different versions of DB2 UDB on AIX 6 & 7.
* Implemented database restores, performance tuning of the applications and backups.
* Implemented application performance tuning to improve query performance optimization using DB2’s Explain, Visual Explain and advises tools.
* Experienced in LDAP, OLTP & OLAP database environments, which include Single Partitioned and Multi Partitioned Databases (DPF).
* Performed installs of DB2 software and builds of new instances; set up High Availability Disaster Recovery environment (HADR) for DB2 applications.
* Provided assistance and mentored new Database Administrators by preparing documentation, training plans and performing knowledge transfer.
* Setup HADR/HACMP between primary and secondary servers to ensure High Availability.
* Having strong experience in Unix shell scripts, New Korn and awk shell scripts, developed automated scripts using Unix Shell for performing runstats, reorg, rebind, backup, load, export, import, load, auto-load, backup, restore/recover database utilities and other related database activities like complete HADR setup.
* Created multiple schema’s over the database based upon the requirement from the application team.
* Complete knowledge of design concepts of MQTs, MDCs, Range-Partitioned tables, Range-Clustered tables, and distribution keys.
* Experience in writing shell scripts for monitoring and performing day to day and weekly tasks. Developed automated system for production BACKUPS, REORGS, RUNSTATS.
* Worked on monitoring the tablespace utilization on the production database using scripts.
* Worked on Database Partition Features (DPF) comprising both physical and logical partitions, formerly known as EEE.
* Database backup and recovery experience with online full and incremental backups, online and offline transaction log archiving, restore and roll-forward (including redirected restore), and recover database utilities.
* Advanced performance tuning, advanced troubleshooting and problem determination.
* Complete knowledge of design concepts of MQTs, MDCs, Range-Partitioned tables, Range-Clustered tables, and distribution keys.
* Experience in Root Cause Analysis of Production Defects and have been the go to person for all issues within the team.
* Quick learner & a good team player who is flexible and enjoys mastering new job assignments.
* Possess excellent communication skills & leadership abilities and loyal work ethics.
* Successful in meeting new technical challenges and finding solutions to meet the needs of the customer.
* Provided DB2 support during every quarterly release.
* Migrated DB2 from v9.7 to v10.5 FP5 and upgrades to latest fix packs.
* Provided 7x24 DB2 support.

**Technical Skills:**

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| RDBMS | DB2 UDB LUW 8.1, 9.1, 9.5, 9.7,10.1, 10.5 and SQL Server 2000 |
| Database Tools | Optim Performance Manager, DB2 Performance Expert, Erwin, ER/Studio, Rational, DB2 Replication Center, DB2 connect, , VERITAS  NetBackup, TSM, DB2 Federated Server, DB2 QueryPatroller,DB2 Governor |
| Application Server | Web sphere 4.x/5.0 |
| Languages | Shell Scripting in Korn and Bash Shells, awk, sed, SQL Programming, |
| Operating Systems | SLES 10, 11 SP x, RHEL 4 and 5, UNIX (AIX 7.1, 5.x, Linux, Sun Solaris 5.9,), Windows XP/NT/2000 |

**Educational Qualifications:**

Bachelors in Engineering from JNTU, India

**Work Experience:**

**Blue Cross Blue Shield, Detroit, MI JUNE 15’ – Ongoing**

**Senior DB2 DBA**

**Responsibilities:**

* Providing 24/7 support for DB2 Production Databases (both OLTP and OLAP servers) of mission critical applications.
* Perform rolling fixpack apply on HADR environments.
* Database utility experience including reorg, runstats, rebind, export, import, load, autoload, backup, restore and recover database utilities.
* Migration of DB2 from v9.7 to 10.5.
* Perform data refresh from Prod to lower environments using redirected restore across different backup/recovery solutions.
* Performed performance tuning and capacity planning using the parameters of dbm configuration file & db configuration file and various db snapshots.
* Install/Upgrade DB2 Server, DB2 Client, Db2 Connect as per Solution requests/Changes.
* Create Instances and databases as per Solution Requests.
* Experienced in UNIX shell scripting and troubleshooting. Use of shell scripting to monitor different aspects of database.
* Involved extensively in Performance tuning, Installation, and Configuration, upgrading, and troubleshooting DB2 databases.
* Implemented disaster recovery of a highly transactional OLTP environment with HADR and TSA (Tivoli Software Automation).Used root authority on the test servers and produced a step-by-step documentation to implement both HADR and TSA across the primary and the standby clusters.
* Supported Cognosapplication on partitioned environment (DPF) with 8 physical partitions and 29 partitioned ware house environment. Experience working with MDCs, MQTS, Range-Partitioned tables, and Range-Clustered tables.
* Configured and implemented data replication from primary database using IIDR
* Tables are set to refresh replication method so that IIDR no longer has to concern itself with capturing and storing transactions for the inactive tables.
* Monitor temp space utilization over the database using scripts.
* Apply Security Patches and Fix Pack Updates on all instances.
* Provide assistance to the development team on performance tuning, resolving locking situations, assist data modeler with SQL scripts.
* Database backup and recovery experience with online full and incremental backups, online and offline transaction log archiving, restore and roll-forward (including redirected restore), and recover database utilities.
* High availability (HA) and disaster recovery (DR) experience with DB2 HADR.
* Instance and database monitoring and tuning experience using the DB2 Health Center, Snapshot and Event monitors to monitor and optimize instance and database configuration parameters, table spaces, and buffer pools.
* Managing High Availability disaster recovery (HADR) of the systems on DB2 10 versions on Windows
* Database and SQL access plan optimization experience with DB2’s Explain, Visual Explain, and advisor tools. Stored procedure (SP).
* Experience automating database maintenance and monitoring with shell scripts including automating system event logging, e-mail alert notification, and reporting using the DB2 utilities and Command Line Processor (CLP).
* IBM Problem management, and resolution (PMR) experience with DB2 diagnostic log facility, administration notification log, trace facilities.
* Perform administration tasks such as database backup and restoration, Monitoring database health in terms of memory, CPU utilization, disk space and security.
* Responsible for running optimizer plans for slow performing queries, running trace and create standard reports on query performance and Database recovery. Performance tuning using OPM, db2advis, db2expln for query optimization.
* Experience in good troubleshooting techniques to ensure quick and successful resolutions (snapshot, db2pd, db2top etc.).
* Managing Database user privileges (granting & revoking permissions after proper analysis & approval).
* Conducted Performance Tuning through various schemes such as increasing the buffer pool size, performing RUNSTATS, REORG, and REORGCHK’s using db2explain and DB2 advisor.
* Enabling Federation to retrieve the other database object while being connected to a different database as well as setting up the registry variable to enable the Federation of Cross RDBMS.
* Preparing documentation, training plans and perform knowledge transfer.

**Environment:**

**Operating System:** AIX 5.1/6.0/7.1.

**Special Software:** DB2 UDB v9.5/9.7 ESE/10.5 AESE, Shell Scripting, BMC Remedy, Putty, Putty Connection Manager, Mobaxterm, Citrix, TSM.

**Progressive Insurance, Mayfield, OH Oct13’ – May15’**

**Senior DB2 DBA**

**Responsibilities:**

* Provided 24/7 Production databases (OLTP and OLAP) and worked on on-call rotation.
* Involved in upgrading DB2 UDB 9.7 and 10.5 on production and development servers.
* Create Instances and databases as per Solution Requests.
* Worked on DB2 defects along with IBM and applied special builds for the production and development environment.
* Installed DB2 UDB V9.x and V10.5 software on AIX, Linux and Windows environments
* Worked with tools DB2 Performance expert, DBArtisan, DB2MON, Control center to debug and resolve database issues.
* Mentoring customer on managing this complex environment Database performance tuning through database physical design, configurations and implementations of data aggregations, MQTs, partitioning, indexing and related settings.
* IBM Problem management, and resolution (PMR) experience with DB2 diagnostic log facility, administration notification log, trace facilities.
* Supported cognosapplication on partitioned environment (DPF) with 8 physical partitions and 29 partitioned ware house environment. Experience working with MDCs, MQTS, Range-Partitioned tables, and Range-Clustered tables. Developed shell scripts for daily maintenance tasks, archiving DB2 log files, and performance monitoring.
* Performed performance tuning and capacity planning using the parameters of DBM configuration file &DB configuration file and various DB snapshots.
* Extensively worked on tuning complex SQL queries, developing stored procedures, and functions.
* For the newer IIDR releases, it utilizes the markexternalunloadstart and markexternalunloaded commands to simplify the integration of the refresh with CDC mirroring.
* Implemented CDC replication method to sync data from LDAP to Data warehousing environment.
* Experience in monitoring and tuning database using snapshots and event monitors, identifying problem in SQL statements and performance bottlenecks, schema changes, configuration changes and explain analysis; working with developers, working with IBM support.
* Implementing HACMP Strategy and High Availability Disaster Recovery (HADR with TSA), Federation, Performance monitoring and fine tuning OLTP and DSS Applications, and Problem determination and troubleshooting.
* Involved in running REORGCHK, REORG, REBIND, RUNSTATS, LOAD utilities against the database.
* Worked on HADR setup with Tivoli System Automation (TSA).
* Performed capacity planning.

**Environment:**

**Operating System:**AIX, Linux

**Software:** DB2 UDB LUW V 9.7 AND 10.5(ESE) Edition, TSM, Data Studio, db2top, Putty, Control Center.

**Cardinal Health Care, OH JUNE 11’-Sep 13’**

**DB2 DBA**

**Responsibilities:**

* Implement backup and recovery strategies for databases based on business requirements.
* Performing the Point in Time roll forward from Online as well as Offline Back Up.
* Binding of database and creation of packages while Migration and Upgrades.
* Performing Reorg, Run stats.
* Involved in Application Support, Design, User Administration, Security, Performance Tuning, Optimization and Backup/Recovery
* Changing the Database from Circular to Archival logging.
* Updating Instancememory and Database memory.
* Setting up of same Database in a QA and Development Region as existing in Production Environment.
* Export and Import and Load utilities for the setting up same references in Test Region as existing in the Production environment.
* Perform TSM setup.
* Retrieval of the LOGS and Database backups from TSM.
* Responsible for the coordination of DPF backups and recovery of databases depending on application requirements
* Managing Database user privileges (granting & revoking permissions after proper analysis & approval).
* Reducing the HWM using reduce max.
* Database and Server migration from 9.7 to 10.5
* Proficient in Optimization of SQL Queries by use of MQT and Staging Tables for better Read Operation.
* Providing ideas to reduce the time taken to perform the backup of large size database.
* Instance Move of the db2 instances for the shared environment.
* Setting up of Federation across RDBS platforms.
* 10.5 upgrades and applying Fix pack patch (rolling patch).
* Responsible for performance tuning, 24 x 7 support, analysis and resolution of database problems that occurs during the critical time processing.
* Worked on Performance tuning in DB2 OLTP environment
* Setting up of backup/restoring strategy of TSM.
* Day to day maintenance and support activity and Monthly changes in Infrastructure change window.
* Root cause analysis, Availability of 24\*7 during Issues and High Severity.

**Environment:**

**Operating System:** Windows XP, Windows server 2003/2008, AIX, Linux

**Software:** DB2 UDB LUW V 9.7 (ESE) Edition, TSM, Data Studio, db2top, Putty, Control Center.

**HDFC Bank, Hyderabad, India June 09’ – May 11’**

**DB2 DBA**

**Responsibilities:**

* Root cause analysis, Availability of 24\*7 during Issues and High Severity.
* Performed DBA duties including: database backups, restores, performance tuning, and capacity analysis on SQL Server 2000.
* Performed all responsibilities of an Application DBA involved with the DDL statements to create, modify or Alter Database Objects and also involved with performance tuning of complex SQL Queries.
* Tuned LOCKLIST parameter and Upgraded DB2 UDB instance from 32 bit to 64 bit and installation of latest Fixpack.
* Created/Altered database objects (tablespaces, schemas, tables, views, indexes, triggers, stored procedures etc).
* Automated backups (both online and offline), Reorgs, Runstats, Space monitoring, moving db2diag.log, monitoring size of tablespaces by setting up a threshold
* Worked heavily with data movement utilities IMPORT, LOAD, and EXPORT under high volume conditions
* Supported many development projects which include creating the tables, views, indexes, stored procedures and triggers in both OLTP and OLAP environments.
* Developed groups of Views organized by multiple table schemas which allow different sets of users to selectively access different subsets of data by different naming conventions, but allow all users access to the same underlying physical data. Supported this on the security level by developing GRANT scripts to allow only appropriate user's access to certain Views
* Demonstrated ability in database design and implementing appropriate changes to the physical database (indexes, database and server configurations, etc.) as needed for optimal performance
* Creating EXPLAIN tables and running visual explain utility on sql statements
* Implemented several DR solutions using HADR and custom log shipping scripts to suit varying needs and business requirements.
* Used advisor, tasks like ADDM, SQL Tuning, Access Tune and Undo Advisors for performance tuning.
* Tuned database and Database manager configuration for optimum performance. Experimented with changing buffer pool and table space page size to improve time taken by ETL to build data marts
* Performed database loads and unloads.
* Supported PeopleSoft Applications in a DB2 UDB EEE Environment.
* Used TSM for backups and User Exit for archival logging

**Environment:**

**Operating System&Software:**DB2 UDB for LUW, Fix pack, AIX, Oracle, IBM Migration Toolkit, Erwin, Linux, PeopleSoft, TSM, SQL Server, Quest Central and Toad