

## Objective

Database projects implementing DB2 Universal Database (UDB) technologies including Workgroup Edition, Enterprise Edition, Enterprise Extended Edition (EEE), and Enterprise Server Edition (ESE) on distributed client server open systems platforms with DB2 UDB for Linux, Unix, and Windows.

## Profile

Over ten years database management systems experience with DB2 distributed client server open systems platforms. IBM Certified Advanced Database Administrator and IBM Certified Solutions Expert (ICSE) in DB2 UDB Administration and Development with extensive hands on experience including:

- ✓ Installation, configuration, and upgrade experience on single processor, symmetrical multi-processing (SMP), massively parallel processor (MPP), cellular multi-processing (CMP), non-uniform memory access (NUMA), and virtual blade server systems with enterprise storage area networks (SAN).
- ✓ Instance and database creation and configuration in non-partitioned (EE) and partitioned (EEE/ESE) database server including multiple logical (MLP) and multiple physical partition (MPP) configurations.
- ✓ Client server communications experience using TCP/IP, NetBIOS, SNA (APPC), IPX/SPX, including clustering over system area networks with TCP/IP and Virtual Interface Architecture (VIA) protocols.
- ✓ Database utility experience including reorg, runstats, rebind, export, import, load, auto-load, backup, restore and roll forward utilities.
- ✓ Scripting experience using both the DB2 CLP and DB2 Administration API with Windows Shell, Windows Scripting Host (WSH), and Object REXX.
- ✓ Database recovery experience with backup, restore, roll-forward, and log archival, and the DB2 advanced database recovery tool (db2dart).
- ✓ High availability (HA) experience with split mirror images as well as implementing Microsoft Clustering Services (MSCS) for fail over recovery in both external SCSI and enterprise storage area networks SAN subsystems.
- ✓ Database monitoring and tuning experience using DB2's Performance Monitor, Snapshot Monitor, Event Monitor, Explain, Visual Explain, and Index Advisor performance tools.
- ✓ System, instance, and database security and auditing experience using table definitions, triggers, data replication, and the DB2 Audit Facility.
- ✓ Replication experience using DB2 Data Replication (DPropR) from DB2 mainframe and DB2 UDB to DB2 UDB client/server databases including Replicas (update anywhere) subscriptions.
- ✓ Stored procedure, user defined function, and user defined table function experience with DB2 SQL/PL, Java, and COBOL.
- ✓ Problem identification, management, and resolution experience with DB2 diagnostics, trace facilities, and database analysis reporting tool (DART).
- ✓ Database migration experience from DB2 on mainframe platforms to DB2 UDB for Windows as well as Sybase ASE and Sybase SQL Anywhere to DB2 UDB for Linux with the IBM DB2 UDB Migration Toolkit.
- ✓ Database benchmarking experience using Quest Software Benchmark Factory and Mercury Interactive Load Runner benchmarking tools.
- ✓ Database analysis and design experience using Power Designer Data Architect, Embarcadero ER/Studio, and Computer Associates ERwin.

## Employment

Nov. 1998 - DB2 Solutions Expert, Ten Digit Consulting, Inc. Norcross, GA  
Present  
Dec. 1997 - Senior DB2 Systems Consultant, National DB2 Universal  
Oct. 1998 Database Practice, IBM Corporation, Southfield, MI.  
Dec. 1995 - Advisory DB2 Systems Specialist, IBM Global Services, IBM  
Nov. 1997 Corporation, Kansas City, MO.  
July 1993 - DB2 Systems Specialist, Personal Systems Competency Center,  
Nov. 1995 IBM Corporation, Dallas, TX.  
May 1991 - DB2 Support Specialist, OS/2 Applications Assistance Center,  
June 1993 IBM Corporation, Dallas, TX.

## Experience

Over ten years of experience providing DB2 UDB consulting, support, and training services for IBM Data Management customers and business partners including; software, hardware, defense, manufacturing, insurance, retail, cable, utilities, transport, parcel, money transfer, bill payment, banking, and state governments. These consulting engagements involve both onsite and remote in-depth analysis, review, and recommendations of client's DB2 UDB environments including; system hardware and software optimization, database design and implementation, database maintenance, performance monitoring and tuning, high availability and disaster recovery, problem determination and support as well as database migrations from other DB2 platforms and DBMS.

(09/05 - Present) Harbor Payments, Atlanta, GA - Currently providing DB2 UDB database administration and development support for one of the nation's leading providers of electronic invoicing, billing, and payment solutions. This DB2 UDB for Windows project involves production, test, and development administration and support for client's existing DB2 UDB platform running DB2 UDB v8.2, v7.2, and v6.1 on Windows Server 2003, Windows 2000 Server, and Windows NT. Initial responsibilities include: stabilizing environment, monitoring, tuning, and problem management reporting (PMR). Primary responsibilities include: 24x7 production database support, high availability, maintenance, monitoring, and problem management reporting. Additional tasks included documenting platform configuration, maintenance, security, standards, and high availability disaster recovery.

(06/05 - 08/05) UNO Money Transfers, Miami, FL - Provided DB2 UDB migration, development, and administration support for on of the nation's leading providers of money transfer services to and from North America, Latin America, Caribbean, Europe, Africa, Asia, and Middle East. This DB2 UDB v8.2.2 for Windows project involves migrating one of client's existing Sybase SQL Anywhere system to DB2 UDB v8.2.2. Primary responsibilities included: migration of database, table spaces, tables, indexes, foreign keys, and production data; porting of over 200 functions, triggers, and stored procedures; installing and configuring DB2 Information Integrator v8.2.2; establishing federated database table access and user defined function mappings from DB2 UDB to Sybase SQL Anywhere.

(06/04 - 09/04) UNO Money Transfers, Miami, FL - Provided DB2 UDB migration, development, and administration support for on of the nation's leading providers of money transfer services to and from North America, Latin America, Caribbean, Europe, Africa, Asia, and Middle East. This DB2 UDB v8.2 for Windows project involves migrating client's existing Sybase SQL Anywhere system to DB2 UDB v8.2. Primary responsibilities included: migration of database, tablespaces, tables, indexes, and views; porting of functions, triggers, and stored procedures; unloading and loading production data. Provided support for application developers and system administrator during migration. Developed Windows shell scripts for installing DB2 UDB software, configuring instances, and creating databases.

(06/03 - 11/04) Time Warner Cable, Herndon, VA - Provided remote DB2 UDB administration and development support to one of the nation's largest North American cable service providers. The goal of this web self care project is to provide cable service subscribers with a web based interface to register for electronic bill payments. Responsibilities include installing, configuring, documenting, and providing support for production and development databases using DB2 UDB v7.2 Enterprise Edition for Windows 2000. Developed shell

scripts for installing DB2 software, configuring instances, and creating databases. Installed and configured DB2 Data Replication on production database servers using replica (update anywhere) subscriptions for high availability as well as Microsoft Clustering Services.

(05/03 - 06/03) America Online, Dulles, VA - Performed DB2 UDB consulting for one of the nation's largest Internet Service Providers. The goal of this DB2 UDB v8.1 ESE project was to evaluate and benchmark alternatives to client's existing Red Brick data warehouse environment with DB2 UDB for Solaris on large SMP E15K server and DB2 UDB for Linux on Egenera BladeFrame cluster. Tasks included installing and configuring DB2 UDB v8.1 ESE for Linux on Egenera BladeFrame cluster running Red Hat Linux Advanced Server v2.1. Loading, benchmarking, and tuning client's data warehouse in various multiple logical partitions (MLP) and multiple physical partitions (MPP) database server configurations until DB2 UDB for Linux on the Egenera BladeFrame cluster outperformed DB2 UDB on Sun Solaris E15K.

(02/03 - 03/03) Starite Industries, Delevan, WI - Performed DB2 UDB performance and tuning support for international manufacturer of pumps and water systems. This engagement involved DB2 UDB System, Instance, and Database monitoring and tuning of client's production Siebel 2000 v6.3 Call Center system running DB2 UDB v6.1 on Windows NT 4.0. Tasks included tuning Windows NT for database server role, configuring database manager (instance) and database configuration parameters, and optimizing table spaces and buffer pools for the production Siebel 2000 Call Center database.

(07/02 - 12/02) Allstate Insurance, Northbrook, IL - Performed DB2 UDB administration and tuning support for Inter-platform Comparative Benchmark Evaluation (ICBE) team at national insurance company. The goal of this project is to evaluate relative DBMS performance of DB2 UDB v7.2, Oracle 9i, and SQL Server 2000 on Windows 2000 Datacenter Server using the industry standard TPC-C benchmark. Primary responsibilities included installing, configuring, benchmarking, and tuning TPC-C databases with DB2 UDB v7.2 and DB2 UDB v8.1 on 4-way, 8-way, 16-way, and 32-way Windows 2000 Datacenter Servers.

(04/02 - 06/02) Allstate Insurance, Northbrook, IL - Performed DB2 UDB benchmarking and performance tuning for PMRE project. This DB2 UDB v7.2 project benchmarked client's warehouse data on DB2 UDB Enterprise Extended Edition (EEE) v7.2 on Windows 2000 Datacenter Server scaling out on several 8-way 8 GB Compaq Proliant servers. The goal of this project was to evaluate and benchmark alternatives to client's existing data warehouse environment and measure DB2 UDB scalability in various configurations, including single, multiple logical node, and multiple physical node configurations in addition to evaluating merge scan and hash join performance using summary tables.

(01/02 - 03/02) Allstate Insurance, Northbrook, IL - Performed DB2 UDB consulting, training, and mentoring for DB2 database administration team at national insurance company. The goal of this project is to enable the DB2/390 DBA and ODBS teams by providing the necessary training, mentoring, and hands on experience to implement and support DB2 UDB for Linux, Unix, and Windows. Tasks included consulting with infrastructure teams in the areas of security, recovery, high availability, and developing and delivering training.

(02/01 - 12/01) Allstate Insurance, Northbrook, IL - Performed DB2 UDB administration, migration, and benchmarking support for Inter-platform Comparative Benchmark Evaluation (ICBE) team at national insurance company. This DB2 UDB for Windows project migrated and benchmarked CRM data with DB2 UDB v7.2 EEE on Windows 2000 Advanced Server scaling out on four 8-way 8 GB Compaq Proliant servers and DB2 UDB v7.2 EE on Windows 2000 Datacenter Server scaling up on a single 32-way 32 GB Unisys ES7000 server. The goal of this project was to provide customer with the necessary information required to request additional funding for the migration of existing systems from DB2 on OS/390 to DB2 UDB on Windows 2000 Datacenter Server. Primary responsibilities included installing, configuring, benchmarking, and tuning VLDB with DB2 UDB v7.2 EE and EEE on large Windows 2000 based servers in a SAN environment. In addition to working directly with IBM DB2 UDB developers in Toronto, Canada to evaluate and test internal engine configurations on high volume large-scale enterprise applications.

(05/99 - 11/00) State of Michigan, Lansing, MI - Performed DB2 UDB administration and application development support for the Land Ownership Tracking System at state's department of natural resources. This DB2 UDB v6.1 on Windows NT project involved: Install and configure DB2 UDB Workgroup Edition v6.1 for Windows NT; configure DB2 UDB instances for development, test, user acceptance, and production environments. Install and configure DB2 Connect v6.1 for Windows NT for host connectivity (DRDA) via MS SNA Server (APPC) and TCP/IP protocols to DB2 for VM v6.1. Maintain physical data models using Power Builder Object Architect v7 including generating customized data definition specifically for DB2 UDB v6.1 and DB2 database standards. Create customized backup, recovery, and maintenance procedures using IBM Object REXX v1.03 for automated backup with database transaction log purging and completion/failure notifications to database administrators.

### **Accomplishments**

- ✓ Author of *Doing More with More - The New and Improved DB2 UDB v8.2* published August 2004 by DB2 Magazine ([www.db2mag.com](http://www.db2mag.com)) and Quest Pipelines Newsletter ([www.quest-pipelines.com](http://www.quest-pipelines.com)).
- ✓ Author of *More Scripting with DB2 UDB for Windows* published June 2004 by IBM DB2 DeveloperWorks website ([www.ibm.com/developerworks/db2](http://www.ibm.com/developerworks/db2)).
- ✓ Author of *DB2 UDB Scripting with Windows Scripting Host* article published November 2003 by IBM DB2 DeveloperWorks.
- ✓ Speaker on *Scaling DB2 UDB on Windows Server 2003* at IBM's eServer xSeries 2003 Technical Conference, Orlando, FL.
- ✓ Co-author of IBM Redbook *Scaling DB2 UDB on Windows Server 2003* published September 2003 by IBM International Technical Support Organization, Almaden Research Center, San Jose, CA ([www.ibm.com/redbooks](http://www.ibm.com/redbooks)).
- ✓ Technical Editor for *Learning DB2 Universal Database* by Susan Visor and Bill Wong published August 2003 by SAMS Publishing.
- ✓ Instructor of *A Technical Introduction to DB2 Universal Database for Windows* delivered July 2003, February 2003, and March 2002.
- ✓ Author of *An Introduction to DB2 UDB Scripting on Windows* article published July 2003 by IBM DB2 Developer Domain ([www7b.boulder.ibm.com/dmdd](http://www7b.boulder.ibm.com/dmdd)).
- ✓ Co-author of IBM Redbook *DB2 UDB Exploitation of Windows Environments* published March 2003 by IBM International Technical Support Organization, Almaden Research Center, San Jose, CA ([www.ibm.com/redbooks](http://www.ibm.com/redbooks)).
- ✓ Subject Matter Expert on IBM Professional Certification Program for IBM Certified Advanced Technical Expert - DB2 UDB 8.1 Advanced Database Administration for Linux, Unix, and Windows.
- ✓ Author of *Scaling-Up on Windows 2000* article published July 2002 by DB2 Magazine Online ([www.db2mag.com](http://www.db2mag.com)).
- ✓ Speaker on *Scaling-Up on Windows 2000 Datacenter Server* at International DB2 Users Group (IDUG) 2002 North America conference, San Diego, CA.

### **Certifications**

- ✓ IBM Certified Advanced Database Administrator - DB2 UDB v8
- ✓ IBM Certified Solutions Expert - DB2 UDB v7, v6 Database Administrator
- ✓ IBM Certified Solutions Expert - DB2 UDB v7, v6 Application Developer
- ✓ IBM Certified Advanced Technical Expert - DB2 Clustering (EEE)
- ✓ IBM Certified Advanced Technical Expert - DB2 Replication (DPROPR)
- ✓ IBM Certified Advanced Technical Expert - DB2 Connect (DRDA)

### **Education**

- ✓ University of North Texas, B.B.A. Business Computer Information Systems