



z/OS String

Monday, November 10: 8:30 a.m. – 10:00 a.m.

DB2 for z/OS: Technology Directions From DB2 Development

Roger Miller, *IBM Silicon Valley Lab*

This session discusses some of the key goals and features that are planned for the next major release of DB2 for z/OS.

1. Plans for improving DB2 administration features
2. Plans for DB2 performance improvements
3. Plans for SQL and XML improvements
4. Plans for scalability and availability improvements
5. Plans for security improvements

Roger Miller is a DB2 for z/OS evangelist, strategist, architect, designer, developer, writer, service, and factotum (jack of all DB2 trades, master of several) who has worked on many facets of DB2, ranging from overall design issues to SQL, languages, install, security, audit, standards, performance, concurrency, and availability. He has worked for 29 years on DB2 development, product design and strategy. He is writing a book on DB2 performance with Akira Shibamiya and Craig Mullins. He often helps customers to use the product, answers many questions and presents frequently to user groups. His favorite response is, "It depends." followed by an explanation of what it depends upon.

Monday, November 10: 10:45 a.m. – 12:15 p.m.

Understanding the Power and Pitfalls of Partitioning in v8, 9 and Beyond

Robert Goodman, *Florida Hospital*

DB2 V8, 9 and "X" introduce some powerful partitioning features. Unfortunately, all of the options can lead to confusion. This session will examine six significant partitioning features. It will visually demonstrate the concepts behind each feature and show how they work. Then it will explore when to use the new features by looking at good and bad fits. Finally, it will look at the power and pitfalls in using these features and assess ways they can be implemented to make life better. If you're interested in understanding and exploiting new partitioning features, this presentation will provide you with some important insights.

Bob has been in data processing since 1977 and is the Senior DBA and Disaster Recovery Coordinator at Florida Hospital. He is a "Certified DB2 Professional" and "Certified Business Continuity Professional" who has been involved with DB2 since V1.2. Bob has been involved in all aspects of DB2 on z/OS. Ten years ago he started the "FL Hospital Database Think-Tank" to develop techniques to push the limits of DB2. He has conducted extensive technical training and supports DB2 in a true 24 by 7 environment. He frequently presents at relational user groups, IDUG, IOD, disaster recovery conferences and is a member of the IDUG Speaker Hall of Fame.

Monday, November 10: 1:45 p.m. - 3:15 p.m.

DB2 9 For Developers Only

Craig Mullins, *NEON Enterprise Software, Inc.*

This presentation highlights the DB2 9 for z/OS enhancements that directly impact DB2 application developers. Every release of DB2 is chock full of new features and functionality and that can make it hard to focus on those things that are most helpful for programmers. So instead of scanning volumes of manuals, attend this presentation which will distil the DB2 9 information down to cover what should be most important to programmer/analysts. If you are a programmer wanting to learn more about DB2 9, or a DBA looking for the programmer's perspective on DB2 9, this presentation should have something to offer you.

Craig S. Mullins is a data management strategist for NEON Enterprise Software, Inc. Craig has extensive experience in the field of database management having worked as an application developer, a DBA, and an instructor with multiple database management systems, including working with DB2 for z/OS since Version 1. Craig is also an IBM gold consultant and is the author of two books: "DB2 Developer's Guide" and "Database Administration: The Complete Guide to Practices and Procedures."

Monday, November 10: 3:30 p.m. – 5:00 p.m.

DB2 for z/OS Query Optimization and What's New with DB2 v8 and 9

Gene Fuh, *IBM Silicon Valley Lab*

This presentation will provide an introduction to how DB2 performs query optimization. The topics will include what query transformations DB2 performs, how DB2 costs queries, and importance of estimation of filtering. Users will learn best practices for providing the optimizer the best chance to identify the cheapest access path. There will also be a special emphasis on new features included with DB2 V8 and DB2 9 for z/OS.

Gene Fuh received Ph.D. degree in Computer Science from SUNY at Stony Brook in 1989. He joined IBM in 1993 after working in the Electronic CAD industry in Silicon Valley for four years. He has extensive experience on Compiler Construction, Formal Languages, Automatic Test Pattern Generation for ASIC, Object Relational Database Systems, Spatial Database Systems, Query Optimization, and Autonomic Computing. Gene has more than 45 patents issued or pending. He is the co-author of the book 'Component Database Systems' and has published more than 15 papers in academic conferences, DB2 Solutions Journal, and IBM System Journals. Gene is currently a senior manager and IBM Distinguished Engineer in DB2 for z/OS organization based in IBM Silicon Valley Laboratory.

Tuesday, November 11: 9:00 a.m. – 12:15 p.m. & 1:45 p.m. – 5:00 p.m.

DB2 9 for z/OS - In Depth

Phil Grainger, *CA*

This presentation looks at all of the new features, functions and abilities of DB2 9 for z/OS. The presentation starts with a summary of what's been announced, what the migration process looks like and which of our old favorite DB2 "things" have been removed. We'll then look at the new SQL, the new objects, spend a little time delving into the mysteries of XML before looking at how XML documents are stored in DB2. We'll also spend time considering the performance and security enhancements. There is a lot in the release and this session will be packed with information.

Phil has 20 years experience of DB2, starting work in 1987 with DB2 Version 1.2. Since then he has worked with all versions, including DB2 9. Beginning as a DBA for one of the largest users of DB2 in the UK, Phil is now Product Manager for CA's line of DB2 solutions. Phil has always been a keen supporter of user groups and is a regular speaker at events, as well as being the Computer Associates representative on the European IDUG Planning Committee. In addition, Phil is a regular contributor to the IDUG sponsored DB2-L discussion list.

LUW String

Monday, November 10: 8:30 a.m. – 10:00 a.m.

A Deep Dive into Managing DB2 LUW Storage and Its Growth

Bill Minor, *IBM Toronto Lab*

When it comes to real estate, it is often said that the three most important things are location, location, location. By analogy, a very significant aspect of your DB2 investment is space, space, space. Once purchased and deployed, managing that storage can significantly add to the Total Cost of Ownership (TCO). Effective management and utilization of your DB2 'real estate' is instrumental in keeping your database costs in check. I will discuss how new features in DB2 9 and 9.5 make it easier for you to manage and maintain DB2 . Topics of discussion will cover best practices, insider information, tips and tricks, tuning, autonomies, and indispensable tools for monitoring and troubleshooting.

Bill Minor is a Technical Development Manager for DB2 LUW and Data Management Services - Advanced DB2 Customer Support. He is a frequent speaker at RUG meetings, IDUG and IOD conferences.

Monday, November 10: 10:45 a.m. – 12:15 p.m.

Using New Audit Database Features in DB2 9.5

Paul Turpin, *Wachovia*

Sarbanes-Oxley (SOX), HIPAA and Gramm-Leach-Bliley Acts are some regulations, which have heightened data security concerns. Recent data breaches have caused even more concerns. Many companies are conducting extensive audits of their environments, including databases to ensure data security is adequate. The DB2 audit facility (db2audit) in Viper 2 has been greatly enhanced to help DBAs deal with database auditing. The new features of db2audit will be explored in this presentation.

Paul Turpin is a Database Architect and Database Administrator at Wachovia in Charlotte, NC. He specializes in DB2 for LUW on large systems. He enjoys exploring new features and functionality in DB2. He has spoken at IDUG North America, IDUG Europe, SHARE, IBM's Information on Demand conference, and several RUGs. Paul currently serves on the IDUG North America Conference Planning Committee.

Monday, November 10: 1:45 p.m. - 3:15 p.m.

Performance automation in DB2 LUW

Jim Wankowski, *Quest Software*

This presentation will discuss the new autonomic tuning features introduced in DB2 LUW v9.1, and 9.5. It will provide guidelines and tips for achieving optimal performance using the new automation features. This presentation touches on many aspects of DB2 performance that span tuning opportunities for databases, and the overall system.

Jim has 25 years of development and DBA experience with DB2 beginning with participation in the initial 1984 DB2 beta program. Jim spent 9 years with Platinum Technology, and is currently the DB2 product manager for Quest Software. Jim is a well known speaker and has presented at many regional DB2 users groups around the world, including IDUG, Tech Conf, and Quest sponsored seminars.

Monday, November 10: 3:30 p.m. – 5:00 p.m.

Performing a DB2 Checkup

Dwaine Snow, *IBM*

The session will examine what information is available in DB2 and the system to analyze your DB2 "system" to ensure it is working well. It will introduce a methodology for capturing and analyzing this information that will help companies ensure a more consistent analysis of the data by introducing automated mechanisms.

Dwaine R. Snow is a Senior Product Manager for DB2 UDB for Linux, UNIX and Windows, focusing on competitive technologies. Dwaine has worked with DB2 UDB for the past 14 years, as part of the development team focusing on the database engine and tools, the development of the DB2 Certification program, and as part of the lab based consulting team. Dwaine has presented at conferences world wide and has written a number of articles and published books on DB2 including the Advanced DBA Certification Guide and Reference for DB2 UDB. He has also worked extensively onsite with customers in planning and implementation of both OLTP and BI systems.

Tuesday, November 11: 9:00 a.m. – 12:15 p.m. & 1:45 p.m. – 5:00 p.m.

DB2 9 Advanced Performance and Tuning

Martin Hubel, *Martin Hubel Consulting, Inc.*

This seminar is designed to teach DBAs and Application Developers the key elements to concentrate on for top performance. Key elements of DB2 performance will be highlighted and discussed. Application and Database design best practices for high performance will be covered in detail. DB2 9 and 9.5 autonomies exploitation will be presented. Essential monitoring elements will be presented and essential performance metrics and formulas provided. Upon completion of this seminar, DBAs and Application Developers will have a template to follow to ensure that they have top performing databases and applications.

Martin Hubel, an independent consultant, has worked extensively with DB2 since 1985. Martin develops and teaches advanced DB2 courses and is recognized as a leading authority in the field. He has been using DB2 Universal Database on Linux, Unix, Windows since 1993 and has been in many beta test programs for these platforms. He is an IBM Gold Consultant, Executive Editor of the IDUG Solutions Journal, and is on the IDUG BOD. Martin has an extensive background in computer systems, including software design and development, project management, disaster recovery planning, data security, systems programming, capacity planning and performance, operations support, charge back systems, end user support, and data and data base administration.

Vendor Solution Presentations

Monday, November 10: 12:15 p.m. – 1:45 p.m.

IBM: Integrated Data Management and pureQuery

Holly Hayes, *IBM*

Tuesday, November 11: 12:15 p.m. – 1:45 p.m.

IBM DB2 Tools: Proven Solutions for a Changing World

Kevin Poole, *IBM*