



z/OS String

Wednesday, November 19: 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.

Wednesday, November 19: 10:15 a.m. - 11:45 a.m.

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

Terry Purcell, *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.

Terry Purcell is a senior software engineer with the IBM Silicon Valley Lab, where he works on the design and development of the DB2 z/OS Optimizer. Terry has more than 16 years experience with DB2 in Database Administration and application development as a customer, consultant and DB2 developer. Terry has been voted best overall speaker at three international IDUG events including IDUG North America in 2007.

Wednesday, November 19: 1:15 p.m. – 2:45 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."

Wednesday, November 19: 3:00 p.m. – 4:30 p.m.

Tuning SQL Through Access Path Evaluation

Joe Burns, *Highmark, Inc.*

The ability to tune SQL continues to be the most important factor in DB2 application performance. Interpreting and influencing the SQL Access Path is the key to improving SQL performance. Since the earliest versions of DB2, the standard Explain facility and PLAN_TABLE have been the primary tools for understanding Access Paths. DB2 V8 introduced a FREEE, gui based tool that provides new insight into the complex and lengthy Access Paths that we see in today's applications. The Optimization Service Center (OSC) tool will be used in this presentation to review SQL and focus on critical points in the Access Path that affect performance.

Joe Burns is a senior member of the DBA staff for Highmark Blue Cross/Blue Shield of Pennsylvania. Joe has spoken on DB2 related topics in several public forums including IDUG North America, IDUG Europe, the Pittsburgh DB2 Users Group and the Central PA Users Group. As an IDUG North America presenter he was awarded Runner-up Best User speaker in 2001 and received top ten selections in 1999 and 2002. As an IDUG Europe speaker he was awarded Best User speaker in 2001. He has also had the privilege to serve on the IDUG North America Conference Planning Committee for 4 years and was the Chair for the 2006 conference.

Thursday, November 20: 8:30 a.m. – 11:45 a.m. & 1:15 p.m. – 4:30 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

Wednesday, November 19: 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.

Wednesday, November 19: 10:15 a.m. - 11:45 a.m.

My Java App Called Your COBOL DB2 Stored Procedure

John Mallonee, *Highmark, Inc.*

DB2 has already shown its flexibility in supporting multiple application platforms including Java applications. One choice for accessing DB2 from Java is through COBOL stored procedures on z/OS. Come see the real life experiences of a Java development team that had the guts to call a DB2 stored procedure written in COBOL (and lived to tell about it). You'll hear about the intrigue of crossing platforms and dealing with the mysterious mainframe. The plot will thicken as you hear about the spooky Workload Manager environment. You'll also hear how the team resolved dangerous conflicts for support and ultimately provided the customer with a working system. After listening to the tale, you too might have courage to create reusable DB2 processes that are a simple CALL statement away. You'll even get a survival kit to avoid the pitfalls experienced by our brave team of pioneers. Can these two sides live in peace and harmony to the mutual benefit of all?

John Mallonee is an applications architect for Highmark, Inc. in Pennsylvania. He has 23 years of experience in the area of application development in both a mainframe and open systems environment. His focus has been on Java applications development for the past 7 years. He was a speaker at the IDUG North America Conferences from 2003 through 2007, and at IDUG Europe in 2006. Additionally, he has been a speaker at several regional user group (RUG) meetings. He is certified in DB2 UDB v8.1 Family Application Development and was named a Top 10 User speaker at IDUG North America 2007.

Wednesday, November 19: 1:15 p.m. – 2:45 p.m.

Performance automation in DB2 LUW

Jim Wankowski, *Quest Software*

This presentation will discuss the new autonomic tuning features introduced in DB2 LUW 9.1, 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.

Wednesday, November 19: 3:00 p.m. – 4:30 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.

Thursday, November 20: 8:30 a.m. – 11:45 a.m. & 1:15 p.m. – 4:30 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

Wednesday, November 19: 11:45 a.m. – 1:15 p.m.

NEON: Staying Out of a Jam with Recovery AssuranceExpert

Mike Figaro, *Neon Enterprise Software, Inc.*

Are you certain you can recover your DB2 tables quickly? Are you certain you can recover your tables at all? Sure you are, right? With Recovery AssuranceExpert (tm) you can make those assertions with greater conviction. You and your management can both sleep better.

Michael Figaro is a DB2 Software Consultant with NEON Enterprise Software, Inc. Michael has been working with DB2 as a SYSADM, DBA and programmer since V1.1 in 1985.

Thursday, November 20: 11:45 a.m. – 1:15 p.m.

BMC: Improve DB2 Performance While Reducing Costs

Rick Weaver, *BMC*

Learn how you can reduce CPU costs while improving DB2 on z/OS application performance. During this session, you learn about the latest release of BMC SQL Performance for DB2, which provides unique Performance Advisor technology. With this solution, you can reduce CPU costs (by recommending index changes and by showing which databases can benefit from reorganization, improve performance (by finding poorly performing SQL statements), and avoid problems (by using historical information to see patterns).