

z/OS

speaker	biography	presentation title	presentation abstract	presentation outline
John Campbell, IBM UK	John is an IBM Distinguished Engineer, Member of the IBM Academy of Technology, and one of the senior technical leaders inside DB2 for z/OS Development. He provides leadership to world wide customers in high-end database, transaction, and application systems - consultancy, design, performance and benchmarking.	KEYNOTE: "DB2 10 for z/OS Overview"	This session will recap the key features of DB2 9 for z/OS, followed by a look at DB2 10, which is currently in beta testing. This presentation will give a technical overview of the highlights of DB2 10, and information on planning for this release. Database administrators will find improved database performance, scalability and availability, while memory management is dramatically reduced, so growth is much simpler, as are many other tasks. You'll also have more flexible security to help with regulatory compliance. A wide range of enhancements improve the functionality and performance of ERP applications and data warehousing. Application developers will learn about the second release of pureXML®, which improves the SQL and XML interface to access XML data stored in a native format. We'll discuss powerful new SQL enhancements, including improved SQL and data definition compatibility with other DB2 platforms, making porting much easier.	<ul style="list-style-type: none"> > Highlight the key new capabilities coming in the next release of DB2 for z/OS, Version 10 > Discuss the planning and migration scenarios for this release > Outline key improvements that will lower your operating costs while delivering improved performance > Summarize advancements across key area such as SQL, XML, Data Warehousing, Business Intelligence, ERP and more.
		"DB2 for z/OS Optimizing INSERT Performance"	This presentation will introduce the typical performance bottlenecks and tuning (read and write I/O for Index and Data, active Log Write, CPU Time, Lock/latch Contention and Service Task Waits, use of Multi Row Insert, Use of INSERT vs. LOAD utility, and the design point for significant new features of DB2 9 for z/OS to improve performance and how best to use them (Reduced LRSN Spin and Log Latch Contention, Increased Index Look aside, Asymmetric Index Leaf Page Split, Randomized Index Key), Table APPEND option).	<ul style="list-style-type: none"> > Understand typical performance bottlenecks > How to design and optimise for high performance > How to tune for optimum performance > Understand the new features of DB2 V9 > Understand how to best apply and use new features
Billy Sundarrajan, Fifth Third Bank	Thanikachalam "Billy" Sundarrajan has over 19 years of experience in the design, administration, and performance tuning of large database systems. He currently works as a principal DBA for Fifth Third Bank and is responsible for the design, maintenance, and performance tuning of multi-terabyte tables. Previously, he worked as a manager for Deloitte Consulting with a primary focus on implementation and performance tuning of large DB2-based state public welfare computer systems.	"DB2 for z/OS - Hands Free Approach To Maintenance of Multi Terabyte Tables"	DB2 v8 for z/OS introduced several key features which enhanced DB2's ability to store large volumes of data: Increased Number of partitions, Table controlled partitioning, DPSis, and ALTER/ROTATE parts. These new techniques allow the ability to roll off data and add/rotate partitions in a table. Managing multiple multi-terabyte tables in a 24x7 can be a daunting task. At Fifth Third, we have developed innovative approaches to handle the challenges with design, space management and partition management of large multi-terabyte tables. Space management and partition rotation are performed in an automated fashion with zero to minimal DBA intervention. This presentation provides an overview of Table controlled partitioning, understanding logical versus physical partitions, best practices for designing large tables, and detailed information on automating partition maintenance.	<ul style="list-style-type: none"> > Index controlled tables versus Range/Table controlled partitioned tables; key columns in the catalog tables, physical versus logical partitions > Techniques for Loading/Inserting data and purging data from large tables. > Best practices: pre-loading compression dictionary, PCTFREE/FREEPAGE settings, PRIQTY/SECQTY settings, TRACKMOD settings, statistics maintenance, PIECESIZE settings, Data sharing implications > Identifying partitions which need to be reorged, Rotating parts for new data - Automate the generation of rotate and reorg scripts > DB2 9 enhancements
Ulf Heinrich, Software Engineering	Ulf Heinrich is the Director of Solutions Delivery at SOFTWARE ENGINEERING GmbH. He specializes in DB2 recovery issues and database maintenance, focusing on the growing requirement for 24x7 operations and cost reduction. As a consultant at large customer sites, he has implemented database maintenance procedures and recovery strategies, and also experienced the pitfalls of recovery scenarios under real-world recovery pressure. His activities cover EMEA, as well as North America through SE's U.S. subsidiary, SEGUS Inc. He's involved in the development of SE's maintenance and recovery solutions.	"DB2 9 Package Stability: Migration, System & Daily Database Maintenance"	With DB2 V8 IBM introduced a new feature called plan stability. Since this feature doesn't do anything with plans, it is now called package stability. However, that doesn't help much to understand what it actually does and how you can benefit from it. Within this presentation you'll get a detailed introduction to an enhancement that helps you to manage your applications performance when something affects your access path. Get detailed insights on how to integrate it within your procedures including the important prerequisites. Get the full picture to understand how to exploit it and be aware of its strengths and weaknesses.	<ul style="list-style-type: none"> What is "PACKAGE STABILITY" for? Why do I need it? What is it in detail and how does it affect ... > DB2 subsystem > Access path > Workflow How can I use it for ... > DB2 Version Migration > DB2 System Maintenance > Daily Database Maintenance
		"Are you a RUNSTATS master?"	Catalog statistics in DB2 for z/OS are becoming more and more important. With V8, the optimizer takes more advantage of frequency and distribution statistics, and the RUNSTATS utility is enhanced as well. Are you sure that you are considering all the rules to enable the usage of those additional facilities? This presentation shows you what you should take care of to improve performance of your applications without changing a single line of code. After attending this session, you will find tuning possibilities for your environment that you weren't aware of before. Additionally, RUNSTATS options for V8, V9 and Vnext are discussed in conjunction with useful hints and tips from the Statistics Advisor and SYSCOLDIST. You will learn how to do sanity checks of your catalog statistics.	<ul style="list-style-type: none"> > What RUNSTATS did and now does > What RUNSTATS does "not" do > How to check the sanity of your catalog statistics > How to clean up your SYSCOLDIST > Minimal invasive SQL performance optimization made easy
Susan Lawson, YL&A	Susan Lawson is an internationally recognized consultant and lecturer with a strong background in system and database administration. She currently works with several large clients to help development, implement and tune some of the world's largest and most complex DB2 databases and applications. She also performs Performance Audits for many clients to help reduce costs through proper performance tuning. Her other activities have included authoring articles, presenting at user group meetings, and authoring white papers. She is an IBM GOLD Consultant for DB2 and z/Series, and has authored the IBM 'DB2 for z/OS V8 DBA Certification Guide', DB2 for z/OS V7 Application Programming Certification Guide' and 'DB2 for z/OS V9 DBA Certification Guide' - 2007. She is also the co-author of several DB2 books including IBM 'DB2 for z/OS V9 DBA Certification Guide', 'DB2 High Performance Design and Tuning' and 'DB2 Answers'.	"Table and Index Design Strategies: Looking Forward to DB2 9"	This presentation takes a look at table and index design strategies we have practiced over the years and see how they are impacted by DB2 9. We also look at how we can move forward with current designs and also be able to take advantage of the new features.	<ul style="list-style-type: none"> > Discuss overall objectives of DB2 9 table and index features > Discuss current design limitations and issues > Look at the pros and cons of utilizing the new features in 9 > Discuss how we will move forward with current designs > Discuss what we still need to consider for optimal designs strategies
Bonnie Baker, a consultant and educator, uses her experiences as a		"Reducing CPU Costs by Tuning Your SQL"	The economy is suffering; budgets are being cut; reducing costs is imperative. CPU savings directly translate to cost savings. This seminar will focus on ways to tune SQL to get better performance by reducing Get Pages, Read I/Os, and Sort overhead. Topics include 1)Designing today's indexes to match you SQL, 2)Alternative SQL to get the same answer back faster, and 3)unusual solutions to very common problems.	<ul style="list-style-type: none"> > Learn modern techniques to redesign your indexes for better performance > Learn tips and tricks for creating high performance SQL > Learn ways to rewrite problem SQL to improve performance > Learn ways to reduce locking contention and increase availability > Learn unusual, "I never thought about doing that" techniques for improving performance

Bonnie Baker, Bonnie Baker Corporation	programmer, systems analyst, DBA, instructor, and consultant to bring a hands-on, from the trenches perspective to her presentation to provide real-life solutions to real-world problems. Bonnie is an IBM DB2 Gold Consultant and a member of the IDUG Speakers' Hall of Fame. Bonnie is best known for her series of seminars entitled "Things I wish They'd Told ..."	"New Locking Issues in V8 and V9"	With V8 and V9 of DB2 for z/OS, SQL has changed dramatically. The new multi-row SQL statements bring with them rowset issues that must be considered. For example, developers must think about 1)the number of locks being held on the rowset, 2)ensuring data integrity for the rowset, and 3)appropriate COMMIT frequency for rowset processing. Also little known facts will be covered in this session. For example, new SQL now allows programmers to 1)use UPDATE WHERE CURRENT OF CURSOR without specifying FOR UPDATE OF in the DECLARE statement, 2)code an ORDER BY clause in the DECLARE CURSOR and still use the UPDATE WHERE CURRENT OF CURSOR statement, and 3)code index dependent syntax, i.e., cause a specific index to absolutely be required in order to BIND the SQL successfully required. All of these issues and more will be covered in this session.	<ul style="list-style-type: none"> > Learn the nuances of rowset locking and lock avoidance > Learn new SQL techniques to do what could not be done in prior releases > Learn how dropping an index could cause a REBIND to fail > Reduce data integrity exposures > Discover the impact of V8 and V9 SQL on max locks per user/tablespace
Willie Favero, IBM US	Willie Favero is currently a Senior Certified Consulting IT Software Specialist working with the Data Warehouse for System z Swat Team at IBM's Silicon Valley Lab, a member of IBM's zChampion team, a representative for System z with IBM's Academic Initiative , an IBM Certified Solutions Expert for DB2 9 for z/OS and DB2 for z/OS Version 8 , DB2 UDB, and DB2 for OS/390 Version 7, and a participant in the zNextGen program at SHARE. Between IMS/V5 DB/DC, Cincom's Total and Supra, IDMS, and DB2, he has over 30+ years experience working with database. However, Willie has spent his last 24 years working primarily with the DB2 family. His responsibilities include consulting to IBM's customers on Data Warehouse running with DB2 for z/OS. He has performed DB2 subsystem, performance, and security health checks, performance tuning for the DB2 subsystem, performance analysis for DB2 applications and SQL, design reviews, data modeling, general DB2 consultation, CritSit resolution, DB2 installation assistance, migration planning to DB2 for z/OS Version 8, all forms of DB2 education, and dabbles in z/OS and System z hardware. Willie currently has one of the top DB2 for z/OS blogs on the internet; Getting the Most out of DB2 for z/OS and System z.	"Accelerating Your Queries Using the IBM Smart Analytics Optimizer on System z"	This session is a preview a new technology, IBM Smart Analytics Optimizer (SAO), that will enable a new class of high speed business intelligence and analytic queries on System z. The innovative technology within the IBM Smart Analytics Optimizer, offers organizations the ability to integrate business insights into the fabric of their operational processes, while accelerating queries, making business insights more accessible to the front lines of business. The value of this applies to executive users that need to make well-founded, strategic decisions as well as knowledge workers who need to have insight into the daily operational aspects of the business.	
Willie Favero, IBM US	Willie Favero is currently a Senior Certified Consulting IT Software Specialist working with the Data Warehouse for System z Swat Team at IBM's Silicon Valley Lab, a member of IBM's zChampion team, a representative for System z with IBM's Academic Initiative , an IBM Certified Solutions Expert for DB2 9 for z/OS and DB2 for z/OS Version 8 , DB2 UDB, and DB2 for OS/390 Version 7, and a participant in the zNextGen program at SHARE. Between IMS/V5 DB/DC, Cincom's Total and Supra, IDMS, and DB2, he has over 30+ years experience working with database. However, Willie has spent his last 24 years working primarily with the DB2 family. His responsibilities include consulting to IBM's customers on Data Warehouse running with DB2 for z/OS. He has performed DB2 subsystem, performance, and security health checks, performance tuning for the DB2 subsystem, performance analysis for DB2 applications and SQL, design reviews, data modeling, general DB2 consultation, CritSit resolution, DB2 installation assistance, migration planning to DB2 for z/OS Version 8, all forms of DB2 education, and dabbles in z/OS and System z hardware. Willie currently has one of the top DB2 for z/OS blogs on the internet; Getting the Most out of DB2 for z/OS and System z.	"Myth Busting DB2's Parallelism"	Parallelism was first introduced to DB2 way back in 1993 with DB2 Version 3. With every release of DB2 parallelism has been enhanced. In applications like data warehousing and business intelligence, it's almost a necessity. Yet, a surprisingly large number of customers continue to avoid parallelism when it could offer significant elapsed time improvements. With this presentation, we'll try to debunk the myths that surround using DB2 parallelism. We will discuss a little bit of parallelism's history, how parallelism works, the parameters in DB2 that control parallelism and the affects of the value chosen for those parameters, and how to get the greatest benefits when parallelism is put to use; the DOS & DON'TS necessary for you to get the most out of DB2's parallelism . We will also discuss the latest enhancements to parallelism and how parallelism can take advantage of zIIP speciality engines.	
Sheryl Larsen, SMLI	Sheryl M. Larsen is an internationally recognized researcher, consultant, lecturer, specializing in DB2, and owns Sheryl M. Larsen, Inc. (www.smlsql.com), a firm specializing in Advanced DB2 Consulting and Education. She is known for her extensive expertise in SQL and performs detailed DB2 Performance Reviews for many clients. Sheryl has over 20 years experience in DB2, has published many articles, and co-authored a book, DB2 Answers, Osborne-McGraw-Hill, 1999. She was voted into IBM's inaugural "Information Champion Program 2009", the IDUG "Speaker Hall of Fame" in 2001 and has been a member of IBM's DB2 Gold Consultants program since 1994.	"DB2 9 & 10 FOR z/OS SQL Update"	The DB2 9 & 10 FOR z/OS SQL Update presentation is all about taking the developer from Version 8 competency to DB2 9 & 10 competency in the area of application development. This session emphasizes all the new SQL, optimization, table and index features available for DB2 9 & 10. Any differences in the current release of DB2 on LUW will also be discussed.	
Sheryl Larsen, SMLI	Sheryl M. Larsen is an internationally recognized researcher, consultant, lecturer, specializing in DB2, and owns Sheryl M. Larsen, Inc. (www.smlsql.com), a firm specializing in Advanced DB2 Consulting and Education. She is known for her extensive expertise in SQL and performs detailed DB2 Performance Reviews for many clients. Sheryl has over 20 years experience in DB2, has published many articles, and co-authored a book, DB2 Answers, Osborne-McGraw-Hill, 1999. She was voted into IBM's inaugural "Information Champion Program 2009", the IDUG "Speaker Hall of Fame" in 2001 and has been a member of IBM's DB2 Gold Consultants program since 1994.	"Lessons Learned from SQL Performance Reviews"	This session divulges discoveries and solutions from various SQL performance review assignments. Come see if you have similar SQL performance issues and get the instructions on how to fix them. Issues discussed include non-optimal index design, access paths gone wild, Stage 2 predicates, misuse of SQL, excessive sorting, delayed filtering, lack of implementation of powerful new SQL feature.	<ul style="list-style-type: none"> > Demonstrate how to detect and fix non-optimal index design > Demonstrate how to detect and fix access paths with delayed filtering or excessive sorting > Demonstrate how to detect and rewrite popular Stage 2 conditions > Demonstrate how to detect and rewrite misuse of SQL features > Demonstrate how to detect lack of implementation of powerful DB2 8, 9, & 10 features
Martin Hubel, MHC Inc.	Martin Hubel is an independent consultant and has worked extensively with DB2 since 1985. Martin develops and teaches DB2 advanced courses and is recognized as a leading authority in the field. He has been using DB2 Universal Database on Linux, Unix, and Windows since 1993 and has participated in several beta test programs for these platforms. He is a charter member of the IBM Gold Consultants Program, an IBM Information Champion, and a member of the IDUG Volunteer Hall of Fame.	"Improving Access Paths Through Proper Index Design"	Many applications enter production with sub-optimal indexing strategies. Regardless of the reasons for this, performance can be substantially improved if indexes are designed or redesigned to better match the needs of the application. This presentation will review index structure, and discuss a number of ways to use and redesign indexes without affecting application integrity. This presentation applies to DB2 for z/OS, and examples will come from the presenter's experience.	<ul style="list-style-type: none"> > Objectives > Multi-column or multiple indexes? > Clustering: the most overlooked concept > Index only access > Features in DB2 9
Melanie Stopfer, IBM US - Dallas, TX	Melanie Stopfer is a Consulting Learning Specialist and Developer for IBM Software Group. As a Certified DB2 9 Database Administrator, DB2 Certified Advanced Technical Expert and Certified Learning Facilitation Specialist, she has provided hands-on in-depth technical support to customers specializing in both data warehouse and transaction systems. She has worked with development labs and worldwide customers to provide DB2 solutions since 1988. Melanie is a member of the IDUG Speaker Hall of Fame and was selected as Best Overall Speaker at IDUG NA in 2009 and 2008, Top Ten Speaker at IDUG NA 2009, 2008, 2007, and IDUG Europe 2009, 2008 and 2007. She has received numerous awards for development of DB2 recovery, administration, performance, and database upgrade and migration best practice solutions.	"Help Me, Help You - remote DRDA connections to DB2 z/OS"	Do you want to better understand and tune your remote DRDA connections to DB2 z/OS? Are you looking for tips to make your life easier? Melanie will present analogies and insider advice to help improve performance, availability, reliability, and usability. The goal is to provide you with an arsenal of tips you can use in various remote DRDA distributed to DB2 z/OS situations. Come learn new DB2 Connect and JDBC Universal Driver tips and tricks that you need to know.	<ul style="list-style-type: none"> > Conquering JDBC Universal Drivers > Monitoring remote DRDA to DB2 z/OS connections > Performance Considerations > Connection Concentrator vs. Connection Pooling > Tuning Considerations