

Central Canada DB2 Users Group

71 Underhill Drive, Suite 136, Toronto, Ontario, M4A 2J8 - Email: ccdb2@ca.inter.net

Monday October 06 – Tuesday October 07, 2008

The Institute for Learning
3550 Pharmacy Avenue, Scarborough, Ontario, M1W 3Z3

The Central Canada DB2 User Group presents two exciting days of DB2 for LUW and z/OS education! This is the “must attend” seminar of the year (and it is cheap)!! Highlights include:

- Program.
Renowned speakers such as Susan Lawson, Craig Mullins, Jim Dee, Melanie Stopfer, Bob Andresen, Joe Burns, Brenda Honeycutt, Dirk Johann, Hari Shanmugadhasan, and others speaking on many diverse areas of DB2 including distinguished members of the IBM SVL and Markham Labs!
- Early Bird Registration Draw!
Yes, it is back! Register before Sept 12, 2008 and be eligible for a draw for a FREE IPOD.
- DB2 Certification.
FREE IBM Certification testing [z/OS and LUW] on Tuesday October 7th, 2008.

Please note that this year we are introducing a sign-up system to Certification testing to improve the process. The allocated time slots will be:

- 10:00 am – 11:30 am
- 11:30 am - 1:00 pm
- 1:00 pm - 2:30 pm
- 2:30 pm - 4:00 pm
- 4:00 pm - 5:30 pm

Sign up on Monday as early as possible to ensure you get the slot you want!

- Vendor Reception.
Monday evening [4:00 – 6:00] come socialize with your favorite speakers and vendors. Food and drinks will be served and we will end the evening with the “Passport to Prizes” draw.
- Passport to Prizes.
Also back for another year. Get your passport stamped at the reception and be eligible for many prizes [attendee must be present].
- PayPal
Yes, we now accept PayPal (and through PayPal, Credit Cards) for payment! Please revisit the “Central Canada DB2 Users Group” website to use these options.

See Our Web Site at: <http://pages.ca.inter.net/~ccdb2>

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Please see enclosed registration form and seminar information for October 06 – October 07 2008 meeting. Meeting registration fees cover continental breakfast, coffee breaks, and lunch.

PLEASE NOTE:

- Registration deadline: September 26th, 2008 - sorry but NO WALK-INS permitted
- Registration includes:
 - Entry to sessions for EITHER DB2 for z/OS OR DB2 for LUW
 - Presentation materials on CD.
 - Continental breakfast, coffee breaks, and lunch
 - Admission to a reception on the evening of Monday October 6th
 - Access to IBM Certification testing

All payments should be made by cheque, PayPal, (or Credit Cards through PayPal) and returned to the below address by September 26th.

Please mail to: Central Canada DB2 Users Group
71 Underhill Drive
Suite 136
Toronto, ON M4A 2J8

We look forward to seeing you on Monday October 06 – Tuesday October 07, 2008.

Regards,
Tim Johnson
Central Canada DB2 Users Group

Web: <http://pages.ca.inter.net/~ccdb2>
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Voicemail: 416 421-6700 x2331

Please revisit the “Central Canada DB2 Users Group” website for updates to the event schedule!

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AGENDA – October 6

October 6th	Presentation Hall	Classroom # 200	Classroom # 103
8:30 - 8:50	badge pickup / breakfast in the "BOW"		
9:00 - 9:15	opening remarks		opening remarks
9:15 - 10:45	Craig Mullins - "DB2 9 For Developers Only"		Melanie Stopfer - "DB2 9.5/Viper 2 Migration Tips and Tricks - Don't Let the Snake Bite You!"
11:00 - noon	Susan Lawson - "Quit Calling DB2 So Much!"		Calisto Zuzarte - "How Declaring Constraints Can Help Improve Query Performance"
12:30 - 1:30	Dirk Johann - "System Z z10 – the sexiest Mainframe alive!"		Robert [Bob] Andresen - "Installing DB2 9.5 on a LINUX SERVER"
1:45 -2:45	Susan Lawson - ""Desperate Table Designs"	Brenda Honeycutt - "Misconceptions and Old Wives' Tales – on DB2 Database Maintenance and Recovery"	Paul Turpin - "Using New Database Audit Features in DB2 9.5"
3:00 - 4:00	Robert [Bob] Andresen - "Excelling at DB2 Monitoring and Reporting"	Craig Mullins - "Database Auditing - WHO did WHAT to WHICH data WHEN and HOW"	Martin Hubel - "DB2 Design Patterns - Solutions to Common Design Errors"
4:00 - 6:00	Vendor Exhibit Hall / Reception in the "BOW"		

Legend:

	Cross Platform
	z/OS
	Linux, Unix, Windows

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AGENDA – October 7

October 7th	Presentation Hall	Classroom # 200	Classroom # 103
9:00 - 10:00	Joe Burns - "Tuning Access Paths: Red Flags to Look for"		Melanie Stopfer - "DB2 9 & DB2 9.5 Recovery Enhancements - Routes to Happiness!"
10:00 - 5:30	DB2 Certification testing - PC lab - classroom # 203		
10:15 - 11:15	Chris Crone - "Multiple Row Processing"	Paul Turpin - "Building Your Own Performance Data Warehouse"	Jessica Escott - "DB2 HADR - Case Study of Implementation"
11:30 - 12:30	Joe Burns - "Tuning SQL using Optimization Service Center"	Dirk Johann - "Data Warehouse and Business Intelligence on System z – where we are and where we go from here"	Chris Eaton - "Using the New Administrative Views in DB2 9 to Monitor Your Database"
1:30 - 2:30	Melanie Stopfer - "DB2 Connect to DB2 z/OS - Problem Determination & Performance Tips & Tricks"	Chris Crone - "DB2 zIIP & zAAP Update"	Jim Wankowski - "Performance automation in DB2 LUW"
2:45 - 3:45	Hari Shanmugadhasan - "Forewarned is Forearmed: V8/V9 Pitfalls, Tips and Murk"	Jim Dee - "DB2 and the Tower of BABEL: Unicode to the Rescue"	Bill Minor - "DB2 Real Estate - Understanding Your Investment!" [part 1]
4:00 - 5:00	Chris Crone - "DB2 for z/OS: Technology Directions From DB2 Development"		Bill Minor - "DB2 Real Estate - Understanding Your Investment!" [part 2]
5:00 - 5:15	closing / surveys		closing / surveys

Legend:

	Cross Platform
	z/OS
	Linux, Unix, Windows
	DB2 Certification testing

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PRESENTATION ABSTRACTS

These may be subject to change so please excuse the proverbial "last minute changes..."

CROSS PLATFORM

"Database Auditing: WHO did WHAT to WHICH data WHEN and HOW"

Craig S. Mullins
NEON Enterprise Software, Inc.
Platform: All

The combination of increasing government regulation and the need for securing corporate data has driven up the need to track who is accessing data in our corporate databases. This presentation discusses these drivers as well as presenting the requirements for auditing access to data stored in database management systems.

The goal of this presentation is to review the regulations impacting the need to audit, and then to discuss in detail the kinds of things that may need to be audited, along with the pros and cons of several ways of accomplishing this.

"DB2 Connect to DB2 z/OS - Problem Determination & Performance Tips & Tricks"

Melanie Stopfer
IBM USA
Platform: All

Learn how to resolve problems that arise in your DB2 Connect to DB2 z/OS environment. By using the right tools, develop a methodology to isolate and resolve problems and improve your ability to meet your On Demand business requirements. Attend this session and learn how to prepare yourself to successfully perform problem determination in your DB2 Connect to DB2 z/OS environment. Melanie will include tips and tricks that she has learned from customer experiences.

- I. Describe data flow within a DB2 Connect environment and develop a problem determination methodology
- II. Perform problem determination analysis using tools available on DB2 Client
- III. Capture, parse and examine CLI and JCC Traces, configure DB2 Connect to improve performance, and analyze Snapshot DCS monitor output
- IV. Run and interpret network commands and use DB2 commands to perform problem determination

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- V. Analyze accounting, statistics and performance trace output to identify and resolve connection and performance problems

DB2 FOR z/OS

"Excelling at DB2 Monitoring and Reporting"

Robert [Bob] Andresen

CA

Platform: z/OS (Intermediate)

If you are running DB2 on z/OS you almost certainly have one of the DB2 monitors on the market. That product lets you view, report on and set exception thresholds on performance metrics. Thousands of them. How can we figure out which metrics are important and what values are acceptable? How can we understand the metrics and their values that ought to drive exception notifications? Ideally, we would use an inexpensive ad hoc reporting tool. All or most vendors allow accounting and statistics data to be loaded into DB2 tables. We can pick some of this data out of DB2 and load it into spreadsheets. Spreadsheet software is readily available, easy to use and can create graphs more efficiently than the mainframe.

- I. Identify periods of peak resource contention and ranking the relative business importance of each application
- II. Extract statistics rows into spreadsheets to show usage of critical resources during peak times. Statistics rows may also be extracted for capacity planning spreadsheets, showing the growth of resources used over time.
- III. Build an inventory of tables and column names used by your product to store the accounting and statistics data. This way we are not tied to any specific DB2 monitor.
- IV. Use Rexx routines to build and run SELECT statements.
- V. Load the metrics into the spreadsheet of your choice. From here we will cover summarization, subtotals and graphs

"Tuning Access Paths: Red Flags to Look for"

Joe Burns

Highmark, Inc. [BlueCross/Blue Shield]

Platform: z/OS (Intermediate)

As DBAs and application developers we have all had to look at an access path at one time or another. Sometimes a performance issue can be easily seen in the access path, but other times it can be a little more difficult to spot. This is especially true when dealing with explain output that generates multiple query blocks. In this session we will look at explain output and highlight key areas that affect the performance of various SQL statements such as joins, sorts and subqueries.

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The intent is to focus our efforts on the pieces of the access path that have the most impact on the performance of our SQL.

- I. General review of key plan table columns
 - a. Accesstype
 - b. Join Method
 - c. Matchcols
 - d. Prefetch
- II. Sequential and List Prefetch
 - a. What is prefetch (sequential and list)
 - b. Where is each appropriate
 - c. Using prefetch as an eye-catcher
- III. Nested loop join .vs. Merge Scan join
 - a. Processing differences
 - b. Key performance indicators for each join type
 - c. Review examples
- IV. Correlated .vs. Non-Correlated subqueries
 - a. Processing differences
 - b. Key performance indicators for each join type
 - c. Review examples
- V. Key performance indicators in your access path
 - a. Prefetch as an eye catcher
 - b. Bad scans and really bad scans
 - c. Common approaches to correcting issues

"DB2 for z/OS: Technology Directions From DB2 Development"

Christopher [Chris] J. Crone
IBM SVL
Platform: z/OS

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

- I. Plans for improving DB2 administration features
- II. Plans for DB2 performance improvements
- III. Plans for SQL and XML improvements
- IV. Plans for scalability and availabilit improvements
- V. Plans for security improvements

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"DB2 zIIP & zAAP Update"

Christopher [Chris] J. Crone
IBM SVL
Platform: z/OS

In 2004, IBM introduced z Application Assist Processors (zAAP). In 2006, IBM introduced the z Integrated Information Processor (zIIP). This presentation will give an overview of these two processors, and how they can work together to lower your costs. You will be brought up to date on which functions can run where, and on all the changes that have occurred to enable various processes to run on zIIPs and zAAPs. Examples of the sort of workloads that will be discussed include JAVA, DB2, XML, IPSEC and others. This presentation will bring all the pieces together so you don't have to.

"Multiple Row Processing "

Christopher [Chris] J. Crone
IBM SVL
Platform: z/OS

DB2 V8 added Multiple Row Insert and Fetch. DB2 V9 adds Multiple Row processing for INSERT/UPDATE with the MERGE statement. With these enhancements, a single FETCH can be used to retrieve multiple rows of data, an INSERT can insert one or more rows into a table, and in DB2 9, with the new MERGE statement multiple rows can be INSERTed or UPDATED. This reduces the number of times that the application and database must switch control, as well as reducing the number of network trips required for distributed requests. For some applications, this can help performance dramatically. This presentation is about this new DB2 V9 and V9 function, highlights the performance advantages of this new function and discusses the implementation issues for customers who wish to take advantage of MRF, MRI, and MRM (in V9).

"DB2 and the Tower of BABEL: Unicode to the Rescue"

Jim Dee
BMC Software
Platform: z/OS (Intermediate)

UTF-8, UTF-16, code pages, and so on - Unicode can be a daunting subject! There is much interest in supporting it - many of our businesses are expanding globally, and DBA's and application developers will need to support Unicode data stored in DB2 tables. The topic is easier than it looks, and this presentation will help you prepare to migrate your mission critical data to Unicode.

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Introduction. What is Unicode? Other encodings Flavors of Unicode Alphabets in Unicode
Unicode in DB2 UTF-8 and UTF-16 Code pages Catalog Migration to Unicode Application
programs Utilities Data conversion.

"Misconceptions and Old Wives' Tales – on DB2 Database Maintenance and Recovery"

Brenda Honeycutt
Segus, Inc.

Platform: z/OS (Intermediate to Advanced)

Every DBA strives to maintain a healthy DB2 environment every day. However, there are numerous lingering misconceptions about database health to which many organizations fall prey. These misconceptions occur because DBAs believe in, or apply concepts that are, objectively false. Like old wives' tales, some misconceptions exist simply because they have been passed down from older generations. In terms of DB2, this means that even best practices true for older DB2 versions may no longer be best. This presentation comprises a number of the most common ones about DB2 maintenance and recovery.

- I. Lies, damned lies, and statistics.
 - a. Dispelling the delusions about using real-time statistics.
 - b. Eliminating unnecessary RUNSTATS.
- II. All backups are there, but . . .
 - a. Are you migrating too early to tape. Why you should wait.
 - b. Virtual tape storage is as good as DASD. Not! Hard and fast rules concerning VTS.
 - c. Oops, the archive logs are on tape. Serious considerations for logs on tape.
 - d. Use mirroring instead of dual logging. Why this concept fails.
 - e. Fast, faster, flash it! FlashCopy hailed as ""the end of the image copy"". Choosing objects wisely for FlashCopy.
 - f. Copying indexes?
- III. Recovery Ready, Set, Go
 - a. What about recovery time objectives? Do you have any idea what your RTOs are?
 - b. Small objects are fast to recover; < misguided notion.
 - c. Large objects with high update rates. The risk of recovering such objects from nightly backups.
 - d. A, B, Z's of ZPARMs: Why ZPARM defaults are not one-size-fits-all.
 - e. The coupling facility performs great! But, how will it perform during a recovery.

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- f. Multi-volume data sets rule! Don't kiss your RTOs goodbye with this concept.
- IV. Using logs for database auditing? Reasons why you shouldn't.

“Data Warehouse and Business Intelligence on System Z – where we are and where we go from here”

Dirk Johann

IBM Boeblingen Lab

Platform: z/OS (Intermediate to Advanced)

With the ongoing evolution of today's Business Intelligence (BI) systems towards operational BI and dynamic warehousing, System z becomes an increasingly important platform for modern data warehouse architectures. System z traditional quality of service is a perfect match for growing mission critical requirements that are now associated with the BI systems: continuous availability, legendary reliability, uncompromised security and industry leading workload consolidation and virtualization capabilities. The recent enhancements of the corresponding software stack that is now available on System z open new opportunities for consolidating data warehouse workloads on System z and taking advantage of the proximity to the operational data. This presentation gives a technical overview of the recommended solution architecture and explains how product components can be integrated to implement a BI / data warehouse solution on System z. After having a look at the market trends in the DWH and BI area we will highlight the difference between traditional warehousing approaches and dynamic warehousing. Also we will explain new features of DB2 9 for z/OS and how they improve data warehousing capabilities. For building up a DWH and BI environment we need several components, dependent on the type of application you want to deliver to your business. We will look at different implementation scenarios to show typical architecture of such solutions. Last but not least we will discuss business values of implementing a Data Warehouse and BI solution on System z, competing with other available implementation.

- I. Market trends in the Data Warehouse and BI area
- II. DB2 9 for z/OS: best Data Warehouse database ever
- III. Components of Data Warehousing and BI
- IV. Implementation scenarios for Data Warehouse / BI Solutions on System z
- V. Actual Status and where we want to go from here
- VI. Business value and benefits doing Data Warehousing on System z

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“System Z z10 – the sexiest Mainframe alive!”

Dirk Johann

IBM Boeblingen Lab

Platform: z/OS (Beginner to Advanced)

The newest System z Model z10 is now around for a while. But did you know how sexy the new technology is? Don't worry, never again distributed folks will laugh about mainframe's processor speed. Learn about the technology, about trends and directions, something about the Cell processor as well and how you can play Taikodom – a massive online space game – on the mainframe. Yes, you heard correctly: playing on a mainframe. But this presentation will show you also what is in there for real business, like for DB2 for z/OS and finance business. Learn about exciting technology and how you can impress your folks with best-of-breed speed and power!

- I. Overview: z10 – Evolution and Revolution
- II. Why z10 is green
- III. Some insights on thrilling tech details
- IV. Processor Trends and Directions – Cell and z10
- V. Hoplon, Taikodom and the concept of a “gameframe”
- VI. What is in there for DB2 for z/OS
- VII. Real Business on z10 - Benefits

"Quit Calling DB2 So Much!"

Susan Lawson

YL&A

Platform: z/OS

In this presentation we will look at ways reducing the number of calls you make to DB2 z/OS via exploitation of V8/V9 SQL features for SQL call reduction. The quantity of SQL calls made can sometimes be more detrimental to performance than poor quality SQL. Don't be fooled by low response times per statement and high bufferpool hit ratios! So, here we'll look at ways of using V8 and V9 SQL and application features to help reduce the number of trips we make across the address spaces in DB2 z/OS.

- I. The Problem: Quantity of SQL calls
- II. Discussion of generic applications design
- III. V8 Features to help reduce quantity
- IV. V9 Features to help reduce quantity
- V. Improving overall SQL performance

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"Desperate Table Designs"

Susan Lawson
YL&A
Platform: z/OS

This presentation covers new, bold, creative solutions to achieve high availability and high performance. New challenges mean thinking outside the old rules. We also look at how to synergize creative table designs with applications to achieve our goals.

- I. Current challenges faced by our clients
- II. Creating new innovative solutions
- III. Solving today's performance and availability problems with new designs
- IV. Use of new features
- V. Getting rid of old theories

"DB2 9 For Developers Only" - [90 minutes]

Craig S. Mullins
NEON Enterprise Software, Inc.
Platform: z/OS (Beginner to Intermediate)

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. information down to cover what should be most important to programmer/analysts.

- I. Understand how to use the new SQL statements like INTERSECT, EXCEPT, MERGE, and TRUNCATE
- II. Understand the importance of being able to SELECT FROM an UPDATE, DELETE, or MERGE statement
- III. Learn about the new DB2 data types and functions
- IV. Learn about the improvements made to existing SQL statements and DB2 development capabilities (e.g. REOPT)
- V. Learn about INSTEAD OF triggers including examples of how and when to use them, and hear about the changes to native SQL procedures

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“Forewarned is Forearmed: V8/V9 Pitfalls, Tips and Murk”

Hari Shanmugadhasan

Hari's Database Analysis and Consulting Ltd

Platform: z/OS (Intermediate to Advanced)

Hari will examine some specific pitfalls that also illustrate more general categories of nasty surprises. Learn more about some of Hari's tips. See how rumours, APAR texts, new version features and materials, might assist you in avoiding the pit, while using your present DB2 for z/OS version and PTF level.

- I. Death by Partitions! - the compressed partition (>254) odyssey
- II. Invalid by Design? - the quest for dynamic statement cache invalidation
- III. Déjà vu? Déjà vu? - Index Lookaside murkiness
- IV. DSNTEP4 as pathfinder - multi-row fetch landmines
- V. Monitoring the Monitor - performance monitor surprises

DB2 FOR LINUX, UNIX and WINDOWS

"Installing DB2 9.5 on a Linux Server"

Robert [Bob] Andresen

CA

Platform: LUW (Intermediate)

This presentation will cover installing DB2 9.5 on a Linux server to allow the IT staff a place to learn how to use the new features of the product before using it to build SOA applications. The goal is to have a non-critical server on which to test out different application designs and make the inevitable mistakes before attempting to design, develop and implement production applications. IBM's new DB2 9.5 supports several ways of storing XML data. Historically, companies have a long lead time adopting new releases of DB2. Part of this is due to the learning curve of new releases, part from incompatibilities with applications developed on previous releases. Because of all the new features it will take some time working with this new release to understand how to use these new features in your SOA applications and the impact they will have on performance and older applications.

- I. Have DB2 9.5 quickly available for learning, testing and development using existing hardware without needing to purchase any additional software licenses
- II. Discuss the different editions of DB2 9.5 and ways to obtain them
- III. Test performance impact of adopting new functions of DB2 9.5
- IV. See how to install and configure Linux in order to run DB2
- V. Be the envy of all your Windows co-workers with your cool penguin logo

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"DB2 HADR - Case Study of Implementation"

Jessica Escott-Rockwood

IBM Toronto Lab

Platform: LUW (Beginner to Advanced)

An in-depth look at using DB2 High Availability Disaster Recovery (HADR) in a large enterprise. This presentation will review the HADR technology and walk through the end-to-end process of implementing HADR and automation technology to manage failovers, including: architecture, setup and configuration, testing, and monitoring.

At the end of this presentation, the audience should be able to implement HADR in their environment, understanding how to build the project plan, assess risks and benefits, implement and thoroughly test the solution, and build monitoring capabilities.

"DB2 Design Patterns – Solutions to Common Design Errors"

Martin Hubel

Martin Hubel Consulting, Inc.

Platform: LUW (Beginner to Advanced)

After working with hundreds of DB2 customers, we consistently see the same design errors. Design patterns provide a template solution to commonly occurring problems. This presentation lays out DB2 patterns covering logical and physical design, application design, configuration, and refactoring to strengthen your implementation.

- I. Simple design patterns to ensure a more solid and flexible database design
 - a. Clustering Patterns
 - b. Schema Design Patterns
 - c. Locking Patterns
 - d. Bufferpool Patterns
 - e. Tablespace Patterns
 - f. Data Patterns
- II. Refactoring patterns to ease later modifications
 - a. Views Patterns
 - b. Common Format Pattern
 - c. Implementation Patterns
 - d. Security Patterns
 - e. Duplicate SQL Pattern
- III. Simplify application logic
 - a. Move data logic into the database
 - b. SOA
 - c. XSLT & XML

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- IV. Reduce development time
 - a. Move data verification up to the database level
 - b. Put all things database related under change control
 - c. Strict use of foreign keys
 - d. Don't develop your own data abstraction layer

"DB2 Real Estate - Understanding Your Investment!"

Bill Minor
IBM Toronto Lab
Platform: LUW

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.

- I. To introduce new features in DB2 9 and 9.5 that relate to improvements in data storage and its management.
- II. Understand best practices as relates to managing data in DB2.
- III. Indepth knowledge of the reorg utility.
- IV. Improvements in DB2 Total Cost of Ownership (TCO).
- V. Sneak peak at future DB2 features and direction.

"DB2 9 & DB2 9.5 Recovery Enhancements - Routes to Happiness!"

Melanie Stopfer
IBM USA
Platform: LUW

DB2 9 and DB2 9.5 introduced new options for BACKUP, RESTORE, ROLLFORWARD and RECOVER. Do you know how to reduce disk space required to make data copies recover a database and use only a subset of table space backups? Are you familiar with TO END OF BACKUP option to restore a backup that does not require any other log files? Can you configure the DB2 database manager to automatically delete backup images, load copy images, and old log files that are no longer needed for recovery? Can you implement the new Data Partitioning Feature enhancements to simplify your recovery procedures? Do you know about

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these and the other new DB2 9 and DB2 9.5 Recovery Enhancements? Attend this presentation and learn the Routes to Recovery Happiness!

- I. Explain the advantages of using the REBUILD option for the RESTORE command.
- II. Configure DB2 to automatically delete backup images, load copy images, and old log files that are no longer needed for recovery
- III. Utilize TO END OF BACKUP option to restore a backup that does not require any other log files
- IV. Implement new Data Partitioning Feature enhancements to simplify your recovery procedures
- V. Gain knowledge of all the new DB2 9 and DB2 9.5 Recovery Enhancements

“DB2 9.5/Viper 2 Migration Tips and Tricks - Don't Let the Snake Bite You!”

Melanie Stopfer
IBM USA
Platform: LUW

Are you responsible for migrating your database to DB2 9.5, commonly known as Viper 2? Planning your migration can be much easier if you understand things not commonly mentioned. Are you looking for details about what will change when you migrate? Do you know what will not change when you migrate? What new features will be implemented when you create a new database? Come learn about often overlooked but very important tips and tricks to understand before migrating. Don't let the "Migration Snake" bite you.

- I. Describe changes to packaging and software and operating system requirements
- II. Understand changes to DDL, utilities, tools and monitoring
- III. Configure database and instance to implement new features
- IV. Analyze changes that affect applications and database runtime behavior
- V. Develop a migration strategy to DB2 9.5/Viper 2

"Performance automation in DB2 LUW"

Jim Wankowski
Quest Software
Platform: LUW

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.

- I. Understanding DB2 memory structures and their performance implications

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- II. Monitoring methods available for DB2 LUW
- III. Space managements affect on performance
- IV. New automated space management features in LUW
- V. Automated maintenance overview

“How Declaring Constraints Can Help Improve Query Performance”

Calisto Zuzarte
IBM Toronto Lab
Platform: LUW

Constraints are typically declared to preserve and enforce the data model in the relational database schema. However, they provide valuable information about the schema and the data to the optimizer and can be used to improve performance. Granted that declaring some constraints can add an overhead to modifying SQL (UPDATE, DELETE OR INSERT). This overhead may be avoided by declaring them as informational if appropriate. This objective of the presentation is to show the value of declaring constraints (enforced or informational) in order to improve query performance.

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SPEAKERS' BIOGRAPHIES

(alphabetical, with apologies to Calisto Zuzarte)

Robert [Bob] Andresen **CA**

Robert Andresen is a Technology Specialist with CA supporting their suite of DB2 for z/OS tools. His areas of expertise include z/OS, DB2, Oracle, CICS, UNIX/Linux, Windows, Websphere MQ and Networking. He has been working in performance management and monitoring for several software companies since 1997 and has been supporting mainframe systems since 1976 in various capacities including being a z/OS/CICS/DB2 Systems Programmer. He is a co-author of the IBM Redbook: Linux on IBM @server zSeries and S/390: System Management. He has presented at CMG, the IBM z/OS Conference and LinuxWorld as well as many local and regional user groups. He holds a degree in Mathematics from the Illinois Institute of Technology.

Joe Burns **Highmark, Inc. [BlueCross/Blue Shield]** **Top 10 IDUG speaker**

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 selection 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.

Christopher [Chris] J. Crone **IBM SVL**

Chris is a Senior Technical Staff Member and team lead for the RDS Execution Engine area of DB2 for z/OS. Chris has worked for the past 19 years in the RDS area and has contributed to line items such as ASCII support, Stored Procedures, User Defined Functions, Scrollable Cursors, and Multiple Row FETCH and INSERT. He has also been the architect for countless Built In Functions in DB2. Chris is often called "Mr. Unicode" because of his work in the transformation of DB2 from EBCDIC based processing to Unicode based processing.

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Jim Dee BMC Software

Jim has worked in the IT industry since 1975 in a variety of positions. He has worked with DB2 since 1986. Since 1990, he has worked at BMC Software and is currently a corporate architect responsible for the products which support DB2 on z/OS.

Jessica Escott-Rockwood IBM Toronto Lab

Jessica Escott is a senior developer at the IBM Toronto Lab. Her initial contributions to DB2 were in the development of administration capabilities, including SQL access to administrative function, health monitor, and more. She is currently a member of the Performance Benchmarks and Solutions Development team, and has spent much of the last year focused on enabling customers to deploy HADR in an enterprise environment.

Martin Hubel Martin Hubel Consulting, Inc.

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.

Brenda Honeycutt Segus, Inc.

Brenda Honeycutt is a DB2 software consultant at Software Engineering GmbH where she is also active in the development and QA of the company's DB2 solutions. Brenda additionally manages the technical publications department and she is the author of a number of articles and white papers pertaining to DB2 maintenance and data availability.

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Dirk Johann **IBM Boeblingen Lab**

Dirk Johann is working as an IT Architect at the IBM Boeblingen Lab in the Center of Excellence for Data Warehouse on System z. With more than 20 years of hands on experience in the mainframe world, he has been working on systems operations, databases and application programming. In the past he worked as an IT architect for several customers in the financial area in Germany and presented at several IDUG, GSE and IOD conferences.

Susan Lawson **YL&A** **Top 10 IDUG speaker**

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'.

Bill Minor **IBM Toronto Lab**

Technical Development Manager, DB2 LUW, Data Management Services (Current) -Advanced DB2 Customer Support. Frequent speaker at RUG meetings, IDUG and IOD conferences LUW

Craig S. Mullins **NEON Enterprise Software, Inc.** **Top 10 IDUG speaker**

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 with DB2 for z/OS since Version 1. Craig is also an IBM gold consultant and is

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the author of two books: "DB2 Developer's Guide" and "Database Administration: The Complete Guide to Practices and Procedures."

Hari Shanmugadhasan Hari's Database Analysis and Consulting Ltd

Hari is an independent consultant, specializing in DB2 for z/OS: performance, tuning, design, new feature exploitation, problem determination and problem avoidance. His postings have frequently been cited in the IDUG e-Bulletin "Pick of the Forums". He is the author of many IDUG e-Tips. Hari is a past speaker at the IBM DB2 Technical Conference, IDUG, the IDUG Technical Symposium, the TRIDEX DB2 User Group in New York City and the Central Canada DB2 User Group. He has been an IBM panellist at the IBM DB2 Technical Conference and the IDUG Technical Symposium. For many years he was IBM Canada Ltd.'s country level DB2 for OS/390 expert. Hari is President of Hari's Database Analysis and Consulting Ltd.

Melanie Stopfer IBM USA Best Overall Speaker IDUG-North America 2008

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 was selected as Top Speaker at IDUG NA 2008 and a Top Ten Speaker at IDUG NA 2007 and IDUG Europe 2007. She has received numerous awards for development of DB2 recovery, administration, performance and migration solutions.

Paul Turpin Wachovia Top 10 IDUG speaker

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.

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Jim Wankowski
Quest Software
Top 10 IDUG speaker

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.

Calisto Zuzarte
IBM Toronto Lab

Calisto Zuzarte is a Senior technical Staff Member (STSM) and manages the Unix and Windows DB2 compiler in a continuing engineering capacity. He specializes in Query Optimization for performance. Calisto is also a research staff member in the Centre for Advanced Studies (CAS) at the IBM Toronto Lab.

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From West:

Follow the 401 east bound to the Don Valley Parkway (DVP) exit. From this exit take the 404 north. Follow the 404 north to Steeles and Woodbine exit (Exit 22). Stay to the right of the exit, as you will be turning right on to Steeles. Once on Steeles, go to the third set of lights, which is **Pharmacy Avenue**, and turn right. Follow Pharmacy Avenue south to the first driveway and turn right. Follow the driveway to the parking lot, which is located on the West side of the building.

From East:

Follow the 401 west bound to the Don Valley Parkway (DVP) exit. From this exit take the 404 north. Follow the 404 north to Steeles and Woodbine exit (Exit 22). Stay to the right of the exit, as you will be turning right on to Steeles. Once on Steeles, go to the third set of lights, which is **Pharmacy Avenue**, and turn right. Follow Pharmacy Avenue south to the first driveway and turn right. Follow the driveway to the parking lot, which is located on the West side of the building.

From North:

Follow the 404 south to Steeles Avenue. Turn left on to Steeles and at the fourth set of lights, which is **Pharmacy Avenue**, turn right. Follow Pharmacy Avenue south to the first driveway and turn right. Follow the driveway to the parking lot, which is located on the West side of the building.

From South:

Follow the Don Valley Parkway (DVP) north and once you cross over the 401, it becomes the 404. Follow the 404 north to Steeles and Woodbine exit (Exit 22). Stay to the right of the exit, as you will be turning right on to Steeles. Once on Steeles, go to the third set of lights, which is **Pharmacy Avenue**, and turn right. Follow Pharmacy Avenue south to the first driveway and turn right. Follow the driveway to the parking lot, which is located on the West side of the building.

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ACCOMODATION

These hotels are near the facilities, however we do not have any special rates.

- [Hilton Suites Conference Centre](#)
8500 Warden Ave, Markham, ON (beside the IBM Toronto Lab in Markham)
- [Holiday Inn Hotel & Suites Toronto-Markham](#)
7095 Woodbine Ave, Markham, ON
- [Sheraton Parkway Hotel Toronto North in Richmond Hill](#)
Highway 404 and Highway 7, Richmond Hill, ON
- [Courtyard By Marriott Toronto Markham](#)
65 Minthorn Court, Markham, ON

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Users Group Meeting Registration: October 2008

We now accept payments by cheque, Pay-Pal, and credit cards.

Regardless of your payment option, please email the following form to ccdb2reg@ca.inter.net, and indicate which session you wish to attend, i.e. DB2 for z/OS or DB2 for LUW.

Please check the appropriate box if you would be interested in taking a DB2 Certification test on Oct 7, 2008.

If you would like to pay on-line via Pay-Pal or credit card, please follow this link: [Online Payments](#)

Otherwise, please print and complete this form, and mail with a cheque for the appropriate amount to the address below.

Please make cheques payable to: "Central Canada DB2 Users Group".

Please Note:

- **Registrations must be received by Friday Sep 26th, 2008.**
- **Register before Sep 12th, 2008, to be eligible for iPod draw.**
- **Sorry - NO WALK-INS.**

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Meeting Registration October 6 – October 7 2008 The Bank of Montreal Institute for Learning

Company: _____

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Please Confirm Registration for the following:

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