



Michigan DB2 Users Group (MDUG) Quarterly Newsletter

June 2008

Michigan DB2 Users Group
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MDUG will be holding their second regular seminar of 2008 on Thursday, June 12th at the Baronette Hotel in Novi. Directions to the hotel are available on the MDUG web site; www.mdug.org.

On the agenda are Akira Shibamiya from IBM Silicon Valley Labs, Rob Williams from Hubel Consulting, and Bill Arledge from BMC. Two session tracks will be held in the morning. The DB2 z/OS track will be covering DBM1 Virtual/Real Storage Changes and DB2 9 Application Performance. The DB2 LUW track will be covering DB2 Design Patterns, and DB2 Index Redesign. The joint afternoon sessions will cover Distributed Processing for DB2 and Dynamic SQL Statement Caching.

The cost for attendance at the seminar is covered by your yearly membership, with corporate membership providing for up to 5 attendees per seminar. If you plan to attend the seminar, you need to reserve a seat, so please make sure to register early. Last date for registering is Friday, June 6th. See [Registrations](#) section for details.

Memberships can be paid prior to the seminar or at the seminar. Details on membership are provided in the Member News section of the newsletter.

FREE Seminar from IBM:

DB2 9 for z/OS Migration Planning Workshop: - DB2 9 for z/OS continues to extend on DB2's leadership in the areas of availability, scalability, and performance; while delivering several complimentary, extensible features. DB2 9 for z/OS introduces new design choices to meet your enterprise application and governance needs. The workshop provides a compressive review of DB2 9 for z/OS features, system requirements and migration processes. The workshop is free, and is for anyone interested in learning more about DB2 9 for z/OS. Full details on how to register for this **FREE** workshop are included latter in this newsletter under Item 7 of the "News for Members" section.

2008 Remaining Seminars:

September 18 @ The Baronette Hotel (Novi)

December 11 @ The Crowne Plaza Hotel (Novi)

MDUG is an affiliate of IDUG (the International DB2 User Group), and is chartered under the State of Michigan. It promotes the awareness of DB2 in solving business problems by providing a non-profit forum for presenting new functionality, features, ideas, and usage of DB2. This forum is used for communications among DB2 users in the Southeastern Michigan area, as well as bringing together others through out the state.

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June 12, 2008 Presentation Abstracts

DBM1 Virtual/Real Storage Change from DB2 for z/OS V7 to V8 to V9 and Ziip Offload

This presentation looks at the potential change in the use of virtual storage and real storage as a DB2 for z/OS subsystem is migrated **from V7 to V8 to V9**. It also provides performance monitoring and tuning tips on virtual storage usage. The zIIP **redirect** feature is also described.

DB2 9 for z/OS Select, Insert, Update, Delete SQL Application Performance

This presentation provides a look at the performance impact of DB2 9 for z/OS from SQL performance viewpoint, primarily for Select, Open/Fetch, Insert, Update, and Delete.

DB2 Design Patterns - Solutions to Common Design Errors

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.

A Simple Approach to DB2 Index Redesign

Many applications enter production with sub-optimal indexing strategies. Regardless of the reasons for this, performance can be substantially improved if indexes are redesigned to better match the needs of the application. This presentation will review index structure, and discuss a number of ways to redesign indexes without affecting application integrity.

Ins and Outs of Distributed Processing in DB2 for z/OS

More and more DB2 application workload originates off the mainframe utilizing technologies like DB2 Connect, Web Sphere Application Server, and others. This shift to increased distributed processing presents new challenges in understanding and managing DB2 application implementation. This session discusses basic issues about distributed applications, including distributed fundamentals, implementation considerations, problem identification, and performance management for your DB2 on z/OS distributed applications.

Demystifying the Dynamic SQL Statement Cache

Dynamic SQL is being used more and more in DB2 shops around the world. Multiple factors are driving this increase in usage. As with most DB2 options, dynamic SQL offers potential benefits as well as new management challenges. This technical session begins with a brief overview on SQL tuning followed by a more detailed discussion on managing and tuning dynamic SQL. Finally, we'll discuss the dynamic statement cache, a DB2 feature that can help address dynamic SQL performance issues.

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June 12, 2008 **Seminar Agenda**

8:15 am – 9:00 am Check In / Continental Breakfast

9:00 am – 9:05 am Welcome and Opening Remarks

Morning Track 1 – DB2 z/OS Topics

9:05 am – 10:25 am "DBM1 Virtual/Real Storage Change from DB2 for z/OS V7 to V8 to V9 and Ziip Offload"
Speaker: Akira Shibamiya (IBM Corporation)

10:25 am – 10:45 am Break

10:45 am – 12:00 pm "DB2 9 for z/OS Select, Insert, Update, Delete SQL Application Performance"
Speaker: Akira Shibamiya (IBM Corporation)

Morning Track 2 – DB2 LUW Topics

9:05 am – 10:25 am "DB2 Design Patterns - Solutions to Common Design Errors"
Speaker: Rob Williams (Hubel Consulting)

10:25 am – 10:45 am Break

10:45 am – 12:00 pm "A Simple Approach to DB2 Index Redesign"
Speaker: Rob Williams (Hubel Consulting)

12:00 pm – 1:00 pm Lunch – Provided by BMC Software

1:00 pm – 2:15 pm "Ins and Outs of Distributed Processing in DB2 for z/OS"
Speaker: Bill Arledge (BMC Software)

2:15 pm – 2:45 pm Break

2:45 pm – 3:45 pm "Demystifying the Dynamic SQL Statement Cache"
Speaker: Bill Arledge (BMC Software)

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Presentations

Most of the seminar presentations should be available in Soft copy prior to the seminar and will be posted on the MDUG web site as they are made available. These presentations **should** be downloaded and printed from the MDUG web site www.mdug.org and brought to the seminar as these speakers will not be bringing hard copies to the seminar. Please check the web site for the presentations prior to the seminar.

Seminar Details:

Seminar onsite check in begins at 8:15 am and the seminar will begin at 9:00am. The cost of the seminar is covered by the yearly membership fee, if you are a member, and includes a continental breakfast and lunch. The cost for non-members is \$80 and covers the continental breakfast and lunch. Annual membership forms are available at the seminar, or you can download a copy from the MDUG website.

Maps and directions to the Doubletree Hotel are available at the MDUG web site: www.mdug.org

Registrations:

You can register yourself and/or your site/Company attendees by sending an email with your full name, company name, and registration count (if making reservations from more than yourself) to reservations@mdug.org. Please include the name of all attendees in the email message and the type of membership. Confirmation is available upon request only. Reservations for the seminar will close as of the end of day on **June 6th** (Friday before the seminar). Seating may be limited, so please respond early to guarantee a spot.

Speaker Biographies

Akira Shibamiya (IBM Corporation)

Akira Shibamiya currently works in the DB2 for z/OS performance department at the IBM Silicon Valley Laboratory. He has been working on the performance evaluation of DB2 since its inception almost 30 years ago."

Rob Williams (Hubel Consulting)

Rob Williams is a Certified Advanced DB2 Database Administrator and Application Developer. For the past 8 years, he has worked with MHC solving problems with government institutions and large and medium sized corporations from around the world. He particularly focuses on database performance problems, database design, SOA, migrations, and implementations. He graduated from the University of Waterloo in Computer Science and Business with a strong emphasis on mathematics.

Bill Arledge (BMC)

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Bill Arledge is an IT veteran with 33 years experience across a variety of roles, including application development and database administration. Bill's database experience began in the late 1970's as an IMS DBA and developer. He began working with DB2 in 1984 as a database specialist at IBM. He worked with DB2 throughout the late eighties, consulting with numerous IBM customers on existing and planned DB2 implementations. Bill joined BMC in 1990 and is currently a technical product manager responsible for BMC's DB2 data management products. In that capacity he consults extensively with BMC DB2 customers and works closely with BMC's Research and Development organization to drive product direction.

News for Members:

1. Future Seminar Feedback from April 2008 (From Evaluations Forms):

MDUG will use this information as we search for future speakers and topics.

Responses/Topic

17	DB2 for Application Programmers
16	Stored Procedures
14	Advanced SQL
12	DRDA and DB2 Connect
12	Performance Tips for DB2 w/CICS
10	DB2 Page Internals
9	DB2 for System Programmers
8	DB2 Disaster Recovery
8	Data Warehouse Using DB2
5	DB2 Web Connectivity
4	Informix and DB2
3	DB2 UDB for non-OS/390 Platform
2	Encryption Strategies
2	z/OS XML on DB2
1	Data Modeling for DW & DM
1	Using DB2 with PeopleSoft & SAP
1	z/OS Certification Training

2. Seminar (April 2008) Feedback Summary

- a. The overall seminar ratings format was overwhelming voted in favor of a full-day format over a half day format. Some people suggested that if there aren't enough speakers to cover a full-day format, then they would be willing to see a half-day format instead as long as it wasn't held on Fridays.
- b. Overall speaker ratings seemed to be higher.

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- c. DB2 for Application Programmers was rated the most-requested future topic.
- d. The rating on the hotel accommodations was in-line with the previous year's seminars.

3. April 2008 Seminar Speakers Feedback

Rating based on a scale of 1 – 5 with 5 as the highest rating.

Lee Goddard – The State of the Data Warehouse: Trends in the Industry

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.12	4.09	4.30	3.97	3.65	4.00

Lee Goddard – Data Warehousing Implementation

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.38	4.25	4.63	4.29	4.50	4.43

Mike McCarthy – Master Data Management – Why, What & How

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
3.69	3.94	4.19	3.77	3.58	3.83

Paul Wirth – DB2 V9 z/OS Migration Planning

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.48	4.68	4.80	4.56	4.58	4.56

Paul Wirth – DB2 for z/OS Data Warehousing

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.37	4.63	4.79	4.42	4.68	4.63

John Sheppard – DB2 Data Warehouse Edition 9.5

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.33	4.33	4.33	3.80	4.50	4.40

4. MDUG Membership

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Memberships are annual from January through December. Memberships can not be prorated. All members receive an email distribution of the quarterly newsletter announcing upcoming seminars when an email address(s) is/are supplied. Quarterly seminar information is also available on the MDUG web site at www.mdug.org.

Individual Membership

- **\$130** annual membership fee

Individuals qualified to be members are those who are employees of organizations that have licensed the DB2 product, or have licensed a copy of DB2. The membership can not be transferred during the year. The following are **SOME** of the benefits included in an annual Individual membership:

- Covers attendance at quarterly MDUG meetings.
- Free attendance to the MDUG Vendor Tools Fair (if one is held).
- Discount Certificates for the Annual International DB2 Users Group (IDUG) conferences.

Group Memberships

Corporate

- **\$520** annual membership fee

Corporate members must either have licensed DB2, or have individuals in the employment of a corporation with a licensed copy of DB2, and have paid the annual membership fee. Corporation memberships cover up to any 5 (five) employees of that corporation at each quarterly meeting. The following are **SOME** of the benefits included in an annual Corporate membership:

- Covers attendance at each quarterly MDUG meeting for up to 5 (five) individuals.
- Free attendance to the MDUG Vendor Tools Fair (if one is held).
- Discount Certificates for the Annual International DB2 Users Group (IDUG) conferences.

Shared Individual

- **\$180** annual membership fee

This membership level allows for a group of individuals to share an annual membership. However, only one individual can attend a specific MDUG seminar under the membership. Individuals qualified to be members are those who are employees of organizations that have licensed the DB2 product, or have licensed a copy of DB2. The following are **SOME** of the benefits included in an annual Shared Individual membership:

- Covers attendance for one individual at each quarterly MDUG meeting.
- Free attendance to the MDUG Vendor Tools Fair (if one is held).
- Discount Certificates for the Annual International DB2 Users Group (IDUG) conferences.

Vendor Membership

- **\$620** annual membership fee

Vendor membership is available to vendors, with the concurrence of the MDUG board, who provide tools related to the Data Base market, and who have paid the annual Vendor membership fee. The following are **SOME** of the benefits included in a Vendor membership:

- Covers attendance fee for up to 5 (five) individuals at quarterly MDUG meetings.
- A reduced price to the Vendor Tools Fair (if one is held).
- The ability to distribute product information at MDUG meetings (with prior Board approval).

MDUG accepts payment in cash or check only. Sorry No credit cards.

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All memberships and seminar attendance is contingent on payment of the annual membership fee.

The membership form can be downloaded from the MDUG web site www.mdug.org by clicking on the [Membership and Fees](#), then clicking on the left side of the [Home Page](#).

Inquiries on the status of corporate/company memberships should be sent to the MDUG email box at admin@mdug.org.

5. Visit our Website

Please take a few minutes to visit our website (www.mdug.org) and give us your feedback. We are trying to make the website more useful to MDUG members. Send your feedback to admin@mdug.org.

6. Volunteers

The group has always had a need for volunteers to assist in the operation of the User Group. If you are want the group to continue to operate beyond 2008, please volunteer by sending an email to admin@mdug.org asking where you can help out, or just that you want to discuss volunteering with someone on the board. Someone will call you back to discuss how you can support MDUG.

7. DB2 9 for z/OS Migration Planning Workshop (Free)

Attendees need to RSVP to Matt Russo, russo2@us.ibm.com

June 19 - Southfield, MI,

IBM Office, 18000 West Nine Mile Road, Southfield, MI 48086

The primary components of the workshop:

- DB2 9 for z/OS Overview
- DB2 9 Migration
- DB2 9 Migration Checklists
- DB2 9 Project Plan

AGENDA:

8:30 - 9:00 Gathering / coffee

9:00 - 9:15 Introductions and review of material

9:15 - 1:00 DB2 9 for z/OS (including a breaks & lunch)

Lunch (taken during the Overview)

1:00 - 4:00 Migration Preparation (including checklists & project planning)

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COURSE MATERIALS:

The session materials include:

- Session Workbook (including all presentations, checklists, DB2 9 project plan, and key informational APARs)
- A CD, with electronic versions of the above material, the MS Project files, most of the DB2 9 manuals, and selected Redbooks.