



Michigan DB2 Users Group (MDUG) Quarterly Newsletter

March 2009

“Keeping members up to date on changes in the DB2 Environment”

Michigan DB2 Users Group
P.O. Box 2977
Southfield, MI 48037-2977

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Last Seminar: The last MDUG seminar was held on Thursday, December 12th. Details on the seminar and attendees’ feedback are available in the [News for Members](#) section of the newsletter. Hopefully you attended. If not the presentations are still available online at: www.mdug.org.

Upcoming Seminar: MDUG will be holding their first seminar of 2009 on Thursday, March 12th at The Crowne Plaza Hotel in Novi. Directions to the hotel are available on the MDUG web site; www.mdug.org.

Highlights: In the morning, Robert Catterall will focus on topics concerning DB2 stored procedures and data warehousing. In the afternoon Keith McDonald will focus on DB2 LUW workload management best practices and monitoring features in DB2 V9.5, while John Mallonee will present the on Java related topics using DB2. It should be a great day with a wide range of DB2 information for both developers and administrators. See you all there!

If you plan to attend the seminar, make sure you have renewed your membership or will at the seminar, and make sure to register by the close of business on **Friday, March 6th**.

Non-members will be required to pay at the seminar. Cost is \$80 for the seminar. Credit cards not accepted at the door.

Membership for 2009:

Now is the time to renew your membership for 2009. If you haven’t received an invoice, and need one, please email us at admin@mdug.org. We will send one to you. Membership forms are available on the MDUG web site, www.mdug.org, and will be available at the seminar.

Group Support: We always have a need for volunteers. See [News for Members](#) for how you can help out.

2009 Remaining Seminar Dates and Locations:

June 11 @ The Hotel Baronette (Novi)
September 17 @ The Hotel Baronette (Novi)
December 10 @ 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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March 12, 2009 - Seminar Agenda

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

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

Morning – Single Track Sessions

9:05 am – 10:25 am "DB2 Stored Procedures - Trends and Technology"
Speaker: Robert Catterall (Catterall Consulting)

10:25 am – 10:40 am Break

10:40 am – 12:00 pm "DB2 for z/OS Data Warehouse Performance"
Speaker: Robert Catterall (Catterall Consulting)

12:00 pm – 1:00 pm Lunch

Track 1 – LUW & Generic DB2 Topic

1:00 pm – 2:15 pm "Workload Management Best Practices"
Speaker: Keith McDonald (IBM Toronto Lab)

2:15 pm – 2:30 pm Break

2:30 pm – 3:45 pm "Monitoring For Performance Tuning and Problem
Determination"
Speaker: Keith McDonald (IBM Toronto Lab)

Track 2 – DB2 z/OS Topics

1:00 pm – 2:30 pm "Java and DB2 for Dummies"
Speaker: John Mallonee (Highpoint)

2:15 pm – 2:30 pm Break

2:30 pm – 3:45 pm "My Java App Called your DB2 Stored Procedure"
Speaker: John Mallonee (Highpoint)

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Presentation Abstracts

DB2 Stored Procedures - Trends and Technology

Stored procedures have been widely used for years in DB2 for Linux, UNIX, and Windows application environments. On the mainframe side, adoption of the technology has been somewhat more limited. That situation is likely to change with the advent of native SQL procedures, delivered in DB2 for z/OS V9. This presentation will lay out a vision of a modern DB2 data-serving system in which stored procedures play a very important role. It will also provide a review of DB2 for z/OS stored procedure enhancements, with a particular emphasis on the advantages of DB2 V9 native SQL procedures. The presentation will conclude with some "go-forward" recommendations.

DB2 for z/OS Data Warehouse Performance

When DB2 debuted in 1983, it was positioned as a technologically innovative base for decision support applications. Over the years, DB2's OLTP performance improved dramatically, and run-the-business applications built on DB2 proliferated. The past couple of years have seen resurgence in data warehouse activity on the DB2 for z/OS platform. This session will describe the strengths of DB2 for z/OS as a foundation for data warehousing, compare performance management in DB2 data warehouse versus OLTP environments, and provide recommendations for system- and statement-level performance tuning for DB2-based BI applications.

DB2 Workload Management Best Practices

This session provides a step-by-step approach to creating a complete workload management solution for your DB2 9.5 data server. Learn how you can employ best practices to meet business objectives according to their importance and priority. The best practices presented here use the new DB2 Workload Manager (WLM) introduced in Version 9.5 to achieve real-time resource management, work prioritization, system overload protection and enhanced real-time monitoring of work running on your data server.

Monitoring For Performance Tuning and Problem Determination

In DB2 9.5, significant new monitoring functionality was introduced in support of the Workload Manager and this functionality will form the basis of the exciting monitoring features coming in the next release. In this session, learn how to leverage this new monitoring functionality to better understand your workloads, determine the root cause of system slowdowns related to changes in workload, and easily track adherence to performance Service Level Agreements.

Java and DB2 for Dummies

Java is no longer a new technology, but has been used for business applications for years now. However, not everyone has had the opportunity to work very closely with this application platform. Also, business applications written in Java continue to evolve and morph over time. This session will provide a quick review of basic terms and concepts for the language, how applications are developed, and the environment in which they

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commonly execute. We'll also look at some of the ways that DB2 is accessed from Java and the web including how security is handled to the application and to DB2. Finally, we'll address some common issues encountered by customers who deploy and maintain applications as well as changing trends. This presentation was originally made at IDUG NA 2007, but has been updated.

My Java App Called your DB2 Stored Procedure

See the experiences of a Java development team that had the guts to call DB2 for z/OS stored procedures written in COBOL. See how the application was developed, challenges faced ranging from Workload Manager to developer diversity, and tips for support. Java experience is preferred, but not a must.

Speaker Biographies

Keith McDonald (IBM Toronto Lab)

Keith McDonald is software developer on the DB2 Workload Management development team at IBM. Previously, he was a developer on the DB2 Query Patroller product and has over eleven years experience developing features for DB2. Keith holds a Master of Applied Science degree from the University of Waterloo.

Robert Catterall (Catterall Consulting)

Robert Catterall is President of Catterall Consulting; a firm that helps clients apply DB2 technology to address data management challenges and opportunities. Robert started his IT career with IBM in 1982, and worked throughout the 1990s as a member of the Company's DB2 National Technical Support team. In 2000, Robert joined CheckFree Corporation (now part of FiServ), where he played a leading role in database technology strategy and planning. He launched Catterall Consulting in 2007. Robert is a past President of the International DB2 Users Group, a member of the IDUG Speakers Hall of Fame, and one of IBM's inaugural Data Champions. He is also the author of the "Data Architect" column in *IBM Database Magazine*.

John Mallonee (Highpoint)

John Mallonee is an applications architect for Highmark, Inc. in Pennsylvania. He began working in the area of application development for mainframes in 1984 and open systems in 1997. His focus has been on Java applications development since 2000. He was a speaker at the IDUG North America Conferences from 2003 through 2008, 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.

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Presentation Handouts:

Many 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 Logistics:

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; corporate, individual or vendor** that you will be attending under. Confirmation is available upon request only. Reservations for the seminar will close as of the end of day on **December 5th** (Friday before the seminar). Seating may be limited, so please respond early to guarantee yourself a spot.

News for Members:

1. Seminar Feedback from December 2008 Evaluations (used for Planning purposes):

Responses by Potential Future Topic

17	Advanced SQL
13	DB2 for Application Programmers
13	Stored Procedures
13	Performance Tips for DB2 w/CICS
11	DB2 for System Programmers
9	DB2 Web Connectivity
7	Data Warehouse using DB2
6	DB2 UDB for non-OS/390 Platform

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5	DRDA and DB2 Connect
4	DB2 Page Internals
3	Analytical Processing with DB2
3	DB2 Disaster Recovery
2	Using DB2 with PeopleSoft, SAP

1. The Advanced SQL topic still continued to be the most popular by far.
2. Overall speaker comparison ratings seemed very consistent to previous meetings.

2. December 2008 Seminar Speakers Feedback

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

Dave Proksch – Data Studio's pureQuery

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.67	4.50	4.67	4.33	4.17	4.50

Dave Proksch – pureXML

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.78	4.67	4.67	4.67	4.56	4.88

Craig Mullins – DB2 Performance Tuning Roadmap

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.74	4.59	4.78	4.62	4.50	4.50

Craig Mullins – Null and Void? Dealing with Nulls in DB2

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.17	4.46	4.71	4.54	4.63	4.58

Paul Wirth – DB2 Connections to DB2 for z/OS (DB2 z/OS Distributed Threads End-2-End) Part 1

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.60	4.52	4.60	4.48	4.57	4.57

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Paul Wirth – DB2 Connections to DB2 for z/OS (DB2 z/OS Distributed Threads End-2-End) Part 2

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.79	4.63	4.68	4.65	4.63	4.71

3. MDUG Membership

There are four types of memberships; Individual, corporate, vendor and shared.

Memberships are annual and run from January through December. MDUG accepts payment directly in cash or check and through the mail by check. Credit cards are accepted only through [PayPal](#) and must be coordinated with MDUG and cover the additional cost of processing. Contact an MDUG Director at a seminar or through admin@mdug.org for details. All memberships are contingent on payment of the annual membership fee

Membership forms along with membership details 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 email box at admin@mdug.org.

4. 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.

We are also making plans to enhance the Web site. If you have ideas or would like to help out, please send your ideas, etc. to admin@mdug.org.

5. Group Support

The group has always had a need for volunteers to assist in the operation of the User Group and right now is especially in need of new volunteers. Consider helping out in the background, with supporting the web site, taking reservations, finding speakers, coordinating speaker arrangements, or at the seminar with registrations, evaluations, coordinating with speakers, speaker introductions, to name only some of the activities where volunteers can help. Talk to one of the red ribbon wearers at the seminar about how you can volunteer or by sending an email with your contact information 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 help out.