



Michigan DB2 Users Group (MDUG) Quarterly Newsletter

March 2007

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

Board of Directors:

Stella Keesling
Finance Director
Comerica

Chuck Hill
Newsletter Director
Ford Motor

Pat Townsend
Director of Speakers
Computer Consultant Co.

Lockwood Lyon
Director Web Page Support
Fifth Third Bancorp

Carol Little
Group & Membership Director
GreenStar Solutions

Mike McCarthy
Location Director &
Advisory Support
IBM Corporation

Dave Mazza
Advisory Support
IBM Corporation

John Sheppard
Advisory Support
IBM Corporation

Bill Robbins
Advisory Support
BMC Software

Ron Flannery
Advisory Support
One Point Solutions

Founding Members:
IBM Corporation
Platinum Technology

MDUG will be holding their first seminar of 2007 on Thursday, March 29th at the Crowne Plaza Hotel (formerly the DoubleTree Hotel) in Novi.

The Seminar will be covering DB2 performance, usability, new features, and security controls with two tracks in the afternoon.

If you plan to attend the seminar, please make sure to register early and ensure that your membership fee has been paid in advance or will be paid at the seminar. Details on registration and membership are provided on page 5 of the newsletter.

Group Support: The Board is always looking for volunteers to assist in the operation of the User Group. Presently support is needed in the areas of: Reservations, membership, and onsite support but wouldn't turn down support in other areas. If you are interested, please send an email to MDUG at admin@mdug.org or talk to one of the Board members at the seminar.

IDUG 2007: IDUG announced in late February 2007 that the upcoming May 2007 conference will feature IMS technical content to complement the existing program of DB2 and Informix education and training offered at this annual event. IDUG 2007 - North America will include more than 200 hours of technical content, including an estimated 28 sessions dedicated specifically to the IMS product family. IMS technical content will be comprised of sessions delivered by users, consultants, and IBM developers.

Membership 2007: Members are encouraged at this time to renew their membership for 2007. Membership forms will be available on the MDUG web site, www.mdug.org, and at the December seminar.

Tentative Seminar Dates for the remainder of 2007:

June 14 @ The Hotel Baronette (Novi)

September 13 @ The Hotel Baronette (Novi)

December 6 @ 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.

MDUG

March 29, 2007 Seminar Agenda

- 8:15 am – 9:00 am Sign in / Continental Breakfast
- 9:00 am – 9:05 am Welcome and Opening Remarks
- 9:05 am – 10:30 am "DB2 & Java for Dummies"
Speaker: John Mallonee (Highmark)
- 10:30 am – 10:45 am Break
- 10:45 am – 12:00 pm "Dynamics of Monitoring and Managing Dynamic SQL"
Speaker: Ed Woods (IBM)
- 12:00 pm – 1:00 pm Lunch

Afternoon Track 1 – DB2 Performance

- 1:00 pm – 2:30 pm "DB2® z/OS V8 and System z9 zIIP Processors"
Speaker: Paul Wirth (IBM)
- 2:30 pm – 2:45 pm Break
- 2:45 pm – 3:45 pm "DB2/CICS Thread Management"
Speaker: Pat Townsend (Computer Consultants Corp.)

Afternoon Track 2 – DB2 Application Features

- 1:00 pm – 2:15 pm "Solutions for the Enterprise - DB2 Compliance to Security Mandates and Industry Initiatives"
Speaker: Ulf T. Mattsson (Protegrity)
- 2:15 pm – 2:30 pm Break
- 2:30 pm – 3:30 pm "PureXML™ Primmer for DB2® 9 for z/OS"
Speaker: Paul Wirth (IBM)

MDUG

Presentations

Softcopy of the seminar presentations may be available for download and printing from the MDUG web site www.mdug.org prior to the seminar. Please check the MDUG Web site prior to the seminar for the presentations. Handouts of these presentations will not be available at the seminar. So bring a copy with you to the seminar.

SEMINAR

March 29, 2007 Presentation Abstracts

DB2 & Java for Dummies

Even though the language has been around for a while now, not everyone has had a chance to get experience with Java. This presentation will try to demystify some of the basic terminology and concepts of Java, and how it works with DB2, including connectivity to the mainframe, security, and management issues.

The Dynamics of Monitoring and Managing Dynamic SQL

Dynamic SQL poses unique and increasingly more important DB2 performance management challenges. Application components such as WebSphere may make extensive use of dynamic SQL. Dynamic SQL offers important application capabilities, but these capabilities may come at a cost. These costs potentially impact the applications, and the DB2 subsystem as a whole. This presentation will cover the dynamics of how dynamic SQL functions. This presentation will discuss how to measure and understand the impact of dynamic SQL on the DB2 subsystem. Topics will include available trace information. The goal is to develop some recommendations on how to best monitor, assess, quantify, and manage dynamic SQL.

DB2® z/OS V8 and System z9 zIIP Processors

IBM® is extending its mainframe capabilities to deliver advanced IT resources—servers, software, storage and networking technologies—working in unison to support your business. The System z9 introduces a new specialty engine for data serving call “System z Information Integration Processor”, or zIIP. The purpose of the zIIP specialty engine is to improve the System z9 Total Cost of Ownership by reducing processor cost, reducing total Measured Service Units (MSUs) and address software cost for an enterprise. DB2 z/OS V8 is the first product to exploit the zIIP feature. DB2 can use the zIIP in distributed processing, business intelligence and DB2 utilities. The purpose of the presentation is to provide an overview on DB2 zIIP exploitation and requirements.

DB2/CICS Thread Management

Review the elements that influence DB2 thread management in a CICS environment. The flow of thread creation and teardown will be explored. DB2 thread management is controlled through various settings within the CICS system. These settings manage individual threads by types and use by various CICS transactions. After an understanding

MDUG

of thread management, the factors that influence when DB2 threads are created, reused, and destroyed within the CICS system will be evaluated. We will review how the thread variables in CICS control thread management by examining various thread reuse scenarios.

Solutions for the Enterprise - DB2 Compliance to Security Mandates and Industry Initiatives

Your company's data is one of its most precious resources, and it's facing threats from all sides. Do you know how to protect it? Companies are spending millions to secure their information, but the incidence of network intrusions that result in compromised data is on the rise. What are they doing wrong? In many industries encryption is a growing requirement to satisfy the need for data security. In some industries, government regulations, such as the SB 1386, PCI DSS and the Health Insurance Portability and Accountability Act of 1996, might actually impose a security requirement that is best met by encrypting data. A common misconception about DB2 and security concerns the value of encryption versus the traditional methods that DB2 uses to keep data secure from unauthorized usage.

PureXML™ Primmer for DB2® 9 for z/OS

With the recent General Availability of DB2 9 for z/OS, DB2 9 extends traditional DB2 strengths in many areas like online schema evolution, Unicode, XML, DB2 family SQL, utilities, security, compliance, and 64-bit virtual storage. DB2 9 is optimized for Service Orientated Architecture (SOA) and one key DB2 9 feature to support SOA is pureXML™. pureXML™ is designed for seamless and efficient integration of XML and relational data in DB2 9. DB2 9 is now a hybrid data server providing support for both relational and pureXML™ storage, with the necessary services to support both data structures. The purpose of this presentation is to explore pureXML™ in DB2 9 for z/OS to gain an understanding of the business value pureXML™ provides and to learn pureXML™ terms, as well as concepts.

Sign in

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 Crowne Plaza Hotel (formerly the DoubleTree Hotel) are available at the MDUG web site: www.mdug.org

MDUG

Registration

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 **March 23rd** (Friday before the seminar). Seating may be limited, so please respond early to guarantee a spot.

Handouts ***** **Please note**

While some speakers bring copies of their presentation to the seminar, MDUG is able to gain access to some presentations prior to the seminar in soft copy. When MDUG is able to do so, the speakers assume that they do not have to bring printed copies to the seminar. These presentations **can and should** be downloaded and printed, and brought to the seminar. If the presentation is available online, such is noted on the Agenda for the seminar. For those Agenda items denoted by ***** the presentation was not yet available for download when the newsletter was finalized, but should be available prior to the seminar. Check for it prior to the seminar.

Speaker Information

John Mallonee (Dental & Vision Systems Highmark, Inc.)

John Mallonee is an internal applications consultant for Highmark, Inc. in Pennsylvania. He has 20 years of experience in the area of application development in both a mainframe and open systems environment. His focus has been on Java applications development for the past 6 years. He was a speaker at the IDUG North America Conferences in 2003, 2004, and 2005, and has also been a speaker at regional user group (RUG) meetings. He is an IBM Certified Application Developer in DB2 UDB Version 7.1 and an IBM Certified Specialist for WebSphere Studio Application Developer.

Ed Woods (IBM Corporation)

Ed has over 25 years of experience in the data processing industry, primarily in the area of DB2, IMS, and MVS systems programming. He is currently a Consulting IT Specialist with IBM Corporation, working in the area of performance and availability management. He has been a frequent presenter at IDUG North America, Guide, Share, CMG, the IBM DB2 Technical Conference, the Tivoli Technical Conference, the IMS Technical Conference, and at numerous regional DB2 User groups on technical and performance topics. He has published articles in *Candle Computer Report*, *IDUG Solutions Journal*, and *CCR2* (CCR2 is available at IBM.COM). At IDUG North America 2000, he was named Best Overall Speaker.

MDUG

Paul Wirth (IBM Corporation)

Paul Wirth is a Senior Data Management Technical Sales Specialist with IBM Corporation located in Grand Rapids, Michigan. Paul has been involved in database administration and storage management for the past twenty years. Over the years Paul has worked in database administration with IMS, DB2 and Oracle. Paul has also worked extensively with enterprise storage subsystems for both Open Systems and zOS.

Patricia Townsend (Computer Consultants Corp.)

Patricia Townsend has worked in the data processing industry for over forty years specializing in data base management systems such as IMS and DB2 and online systems such as IMS and CICS. She was an IBM instructor with the Technical Education Center for over 15 years creating courses and teaching nationally and internationally in the VM, VSE, OS, DMS, VSAM, IMS, and DB2 curriculums. During her career as an IBM System Engineer/Instructor, she taught the DB2/CICS Interface course. She is presently employed by multiple customers performing system assessments, SQL tuning, and DB2/CICS tuning.

Ulf T. Mattsson (Chief Technology Officer - Protegrity)

Ulf created the initial architecture of Protegrity's database security technology, for which the company owns several key patents. His extensive IT and security industry experience includes 20 years with IBM as a manager of software development and a consulting resource to IBM's Research and Development organization, in the areas of IT Architecture and IT Security. Ulf holds a degree in electrical engineering from Polhem University, a degree in Finance from University of Stockholm and a master's degree in physics from Chalmers University of Technology.

News for Members:

1. Seminar Feedback from December 2006 (From Evaluations Forms):

Thank you for your valuable suggestions for Future Topics:
MDUG will use this information as we search for future speakers and topics.

# Responses	Topics
12	Advanced SQL
11	DRDA and DB2 Connect
11	DB2 for System Programmers
11	Performance Tips for DB2 w/CICS
9	Stored Procedures
7	Data Warehouse Using DB2
7	DB2 for Application Programmers
6	DB2 Web Connectivity

MDUG

# Responses	Topics
5	Analytical Processing with DB2
5	DB2 Disaster Recovery
2	DB2 UDB for non-OS/390 Platform
2	DB2 Page Internals
1	Integrating Informix into DB2
0	Informix and DB2
0	Using DB2 with PeopleSoft, SAP

2. Seminar (December 2006) Feedback Summary

- a. The best overall rated speaker was Paul Wirth.
- b. The three most requested topics for future seminars were "Advanced SQL", "DRDA and DB2 Connect", and "Performance Tips for DB2 w/CICS".
- c. The overall seminar rating was lower than previous meetings. Hotel, site, and room rated lower than in previous meetings. Only lunch was rated higher than the previous meeting.

3. December 2006 Seminar Speakers Feedback

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

Paul Wirth – DB2 V9 for z/OS

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.57	4.57	4.65	4.59	4.50	4.50

Gregory Parrish – Harnessing the Power of Logs

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.08	4.00	4.13	4.14	3.72	4.05

Marichu Scanlon – Building and Deploying DB2 Stored Procedures

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.05	4.10	4.00	3.94	3.80	4.28

MDUG

Paul Wirth – DB2 V9 .NET 2005 Add-Ins

Topic Value	Session Content	Speaker	Material Covered	Handouts	Visuals
4.50	4.50	4.75	4.50	4.67	4.50

4. MDUG Membership

Information on membership is available on the MDUG web site www.mdug.org by clicking on the [Membership and Fees](#) click on the left side of the [Home Page](#).

Inquiries on 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.

6. DataBase Tools Fair Status:

The previously announced tools fair has been canceled.

7. DB2 Version 7:

On February 6, 2007 IBM announced that the end of service date for DB2 for z/OS V7 will be June 30, 2008.