



Michigan DB2 Users Group (MDUG) Quarterly Newsletter

November 2016

Michigan DB2 Users Group
admin@mdug.org

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

MDUG seminars primarily feature topics about DB2 for z/OS. These topics are intended for technical staff, including application developers, system administrators, and database administrators. Occasionally, non-DB2 topics are included to provide members awareness of key issues and developments in information management. Members can submit suggestions for future topics on the meeting evaluation, or by email to admin@mdug.org.

The upcoming all day seminar on Wednesday November 9th at the Crowne Plaza in Novi, MI features four sessions from two outstanding speakers. The morning sessions will be presented by Tony Poole of BMC. Tony's first session will be security based, outlining the various uses of Trusted Context and Roles. In his second session Tony will provide an overview of DB2 Stored Procedures, the advantages and disadvantages of each type of stored procedure, and when to use them. The afternoon sessions will be presented by Randy Ebersole of IBM. DB2 12 will be here before you know it! Randy's first session will outline the new features and functions of DB2's latest release and key in on the new features you should be looking at first. Randy's second session is geared towards developers, to give them what they need to know about how DB2 handles their workloads. Topics will range from indexes and SQL processing to stored procedures and others! We hope to see you there!

TO REGISTER: Send an email to reservations@mdug.org with your name, your membership type (Corp, Vendor or Ind.), and if appropriate the number and name of additional attendees. **Reservation deadline is on Friday November 4th, but if there are still seats available reservations will be taken up until noon on Monday November 7th.**

ATTENDANCE FEES: For MDUG members, the cost for attendance at the seminar is covered by the yearly membership fee, so make sure to renew before or at the seminar. For Non-members the cost for 2016 is \$40 at the seminar, payment in either cash or check. Credit cards are not accepted at the door. Please see the Membership section below for payment options and **note our reduced rates for the 2016 year.** All membership fees for the year are payable before or at the first seminar.

FUTURE TRAINING: Details can be found under the [News for Members](#) section about the potential for future training.

MOST REQUESTED TOPICS: “DB2 Performance and Tuning” and “DB2 Application Tuning tied for the most requested future topic based on the 22 evaluation results submitted from the August 2016 seminar.

SOCIAL MEDIA: Keep up with the latest from the local DB2 community by liking the “[Michigan DB2 User Group](#)” Facebook page. Watch for us on LinkedIn in the near future and as always on our web site at www.mdug.org.

WEBCASTS: For the latest on DB2 12 and IBM's recent changes to their enhancement delivery model see the webcast links in the [News for Members/Current Events](#) section.

MDUG PLANS FOR 2017: We are planning 2017 sessions in March, June, September, and early December. Exact dates and 2017 membership fees are to be determined, look for them in a future newsletter!

MDUG is an affiliate of IDUG (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 throughout the state.

MDUG

November 9th 2016 - Seminar Agenda

- 8:15 am – 9:00 am Check In / Continental Breakfast
- 9:00 am – 9:05 am Meeting kickoff and opening comments
- 9:05 am – 10:20 am "Trusted Context and Roles – How are you serving up your security?"
Speaker: Tony Poole (BMC)
- 10:20 am – 10:40 am Break
- 10:40 am – 12:00 pm "The Natives are getting Restless, an overview of DB2 Stored Procedures"
Speaker: Tony Poole (BMC)
- 12:00 pm – 1:00 pm Lunch – included as part of the seminar
- 1:00 pm – 2:15 pm "DB2 for z/OS V12 Early View"
Speaker: Randy Ebersole (IBM)
- 2:15 pm – 2:30pm Break
- 2:30 pm – 3:45 pm "Everything a DB2 for z/OS Application Developer Needs to Know About the DB2 Engine in 3.6 Milliseconds"
Speaker: Randy Ebersole (IBM)

Presentation Handouts:

Seminar presentations will be made available in soft copy format, as available, prior to the seminar and will be posted on the MDUG web site as they are made available. If posted, the 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.

MDUG

Presentation Abstracts

Presentation #1:

"Trusted Context and Roles – How are you serving up your security?"

Speaker: Tony Poole (BMC)

Practical approaches to how to utilize these DB2 constructs to manage access and ownership of your objects and data. Using ROLE's to own and manage your objects and data can remove auth IDs and groups from the security picture. Useful information allowing you to verify whether you're environment is as secure as you think it is!

Objective 1: Introduce and define the concepts of Trusted Context and Role

Objective 2: Illustrate how to utilize Role - WITH ROLE AS OBJECT OWNER--AND QUALIFIER

Objective 3: Illustrate implications when using ROLE vs AUTHID and GROUPS

Presentation #2:

"The Natives are getting Restless, an overview of DB2 Stored Procedures"

Speaker: Tony Poole (BMC)

Stored Procedures were first added to DB2 for z/OS back in V5. Almost every release of DB2 since has added additional functionality or type of stored procedures. The different types of stored procedures have strengths and weaknesses. This presentation will provide a brief history of Stored Procedures in DB2 for z/OS, along with an overview of the schema used to create stored procedures. It will discuss the different types of stored procedures, External, External SQL and Native touching on some of the advantages and disadvantages of the different types. How can you test a new version of a Native stored procedure without affecting other executions of the active version? When it comes to deploying Native Stored Procedures across your environment, what options do you have available?

Presentation #3:

"DB2 for z/OS V12 Early View"

Speaker: Randy Ebersole (IBM)

Every new release of DB2 for z/OS has a wealth of new features and functions and DB2 12 has delivered! This presentation is an early view of the long list of new features in DB2 12. Our focus is to provide details on the top features you should consider first as you begin planning on the exploitation of this newest version of DB2 for z/OS. Our focus will be on those features that deliver big returns for the broadest functional areas such as Query, OLTP and Insert performance, scalability in-memory usability and tablespace size, continuous availability features with a streamed line migration path, Easier application development and continued zAnalytics advancements.

MDUG

Presentation #4:

"Everything a DB2 for z/OS Application Developer Needs to Know About the DB2 Engine in 3.6 Milliseconds"

Speaker: Randy Ebersole (IBM)

In today's world, DB2 for z/OS application requirements have become more complex than ever. This presentation is intended to provide the DB2 for z/OS processing fundamentals to the application developer. By increasing the developer's awareness of how DB2 handles workloads, efficiencies will be realized. Areas such as index

Speaker Biographies

Tony Poole (BMC)

Tony Poole has worked in the mainframe industry for 31 years. He started his career as an analyst/programmer for IBM in 1985 after graduating from the Central Institute of Technology with a Bachelors in Computer Science. His DB2 experiences began with IBM and continued for the next 10 years in the UK/US as Tony gained experience working as a contract A/P across a variety of industry verticals. Tony joined a Southern Californian start-up in the late 90's and joined BMC in 1999 as a Professional Services Consultant. Tony joined BMC's R&D organization in 2001. For the past nine years he has been managing Engineering teams in the DB2 ADMINISTRATION product line area.

Randy Ebersole (IBM)

Randy Ebersole is an Executive Certified IT Specialist in IBM's Analytics Platform DB2 for z/OS Lab Services organization. Randy provides DB2 technical consulting to customers around the world. Randy is also involved with supporting customers participating in the DB2 Early Support Program. With over 30 years of practical, hands on DB2 experience, Randy has expert level skills in database, analytics and application design, DB2 system and application performance and high availability design.

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 2016 cost for non-members is \$40 and covers attendance at the seminar, the continental breakfast and lunch.

Maps and directions to the Crowne Plaza 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

MDUG

the email message and the ***type of membership; corporate, individual shared or vendor*** that you will be attending under. Confirmation is available upon request only. Early registration for the seminar will be taken until the end of the day on May 6th (Friday before the seminar). Late registration until noon on Monday, May 9th, if seating is still available. Respond early to guarantee yourself a spot.

News for Members

1. August 2016 Topic Feedback

25 evaluations were returned from the August 2016 sessions. The MDUG board uses this information to assist in planning future seminars.

<i># of Votes</i>	<i>Potential Topics</i>
8	DB2 Application Tuning
8	DB2 Performance and Tuning
6	DB2 Performance Tools
6	1New DB2 Releases
6	Connecting to DB2 Data from Cloud Applications
6	Integrating Cloud and DB2 Data
5	DB2 Utilities
4	DB2 Web Connectivity/Usage
3	DB2 Disaster Recovery
3	DB2 Experiences
3	DB2 Interconnectivity
3	Using Stored Procedures
2	DB2 Programming/Application Development
2	DB2 Supporting Software
2	Supporting DB2
1	DB2 Using CICS/IMS
0	Data Warehousing
0	Other

2. August 2016 Speaker Feedback

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

<i>Presenter/Presentation Topic</i>	<i>Topic Value</i>	<i>Session Content</i>	<i>Speaker</i>	<i>Material Covered</i>	<i>Handouts</i>	<i>Visuals</i>
Steen Rasmussen - FEEDBACK tables and PROFILES - is it a dream?	4.72	4.78	4.78	4.67	4.41	4.65
Steen Rasmussen - What's hidden in the ARCHIVES - DB2's answer to American Pickers?	4.78	4.89	4.83	4.89	4.59	4.76

MDUG

Adrian Burke - DB2 for z/OS Distributed Access - In the Mobile Age	4.71	4.57	4.93	4.64	4.38	4.64
Adrian Burke - Avoiding L2 Performance PMRs	4.69	4.62	5.00	4.69	4.42	4.69

3. Past Seminars

Presentations for past seminars are available online at: www.mdug.org under the “Past Seminars” section.

4. MDUG Membership

There are four types of memberships; Individual, shared, corporate, and vendor. Membership details are posted on the web site: www.mdug.org.

Memberships are annual and run from the first seminar of the year through December and allow for attendance at all seminars for the year. MDUG accepts payment directly in cash or check on site at a seminar. Checks should be made payable to Michigan DB2 User Group (MDUG). Credit cards are accepted only through [PayPal](#). All memberships are contingent on payment of the annual membership fee.

Membership forms along with membership details and instructions on paying via Paypal can be downloaded from the MDUG web site www.mdug.org by clicking on the [Membership and Fees](#). Inquiries on the status of corporate/company memberships should be sent to the MDUG email box at finances@mdug.org.

5. Membership & Attendance Fees

Fees for 2016 are posted on the MDUG web site (www.mdug.org). Due to logistical issues MDUG will only be hosting 3 events in 2016. As a result, we are pleased to offer the following reduced rates for 2016 membership.

If paying by check or cash:

Individual - \$80 (Previously \$140)
Corporate - \$300 (Previously \$540)
Vendor - \$350 (Previously \$640)
Meeting - \$40 (Previously \$55)

6. Recent and Future Training

Based on interest, MDUG will consider future training in the coming year. If you're interested in attending such training or just want more information, please send an email to training@mdug.org.

Additionally if there continues to be enough interest in training in the future, MDUG will consider holding a yearly one day training class. Look for questions on future newsletters

MDUG

and evaluations, so you can let us know if you are interested in future training, or if upcoming training is planned.

7. Current Events

DB2 12 is on the horizon! On Tuesday, March 29th IBM Distinguished Engineer John Campbell gave a thorough presentation on the highlights of the DB2 12 for z/OS Early Support Program. If you missed the live presentation on the 29th, you can still replay the presentation on demand from start to finish by registering for the event at the link below and logging in to the event room.

[Click here to register and view this outstanding webcast!](#)

Delivering New Capabilities Faster For Increased Productivity! On Tuesday, September 27th IBM Distinguished Engineers John Campbell and Chris Crone gave an exciting presentation outlining a new strategy for releasing DB2 enhancements to customers. If you are a DB2 for z/OS customer, you will want to know about this change and how to take advantage of it at your shop. If you missed the live presentation on the 27th, you can still replay the presentation on demand from start to finish by registering for the event at the link below and logging in to the event room.

[Click here to register and view this outstanding webcast!](#)