



# Michigan DB2 Users Group (MDUG) Quarterly Newsletter

August 2016

Michigan DB2 Users Group  
[admin@mdug.org](mailto: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](mailto:admin@mdug.org).*

**The upcoming all day seminar on Wednesday August 17<sup>th</sup> at the Crowne Plaza in Novi, MI** features four sessions from two outstanding speakers. The morning sessions will be presented by Steen Rasmussen of CA Technologies. Steen's first session will outline how to take advantage of PROFILES and the new statistics FEEDBACK tables provided in DB2 11 for z/OS. In his second session Steen will elaborate on the implementation of another new DB2 11 feature, ARCHIVE tables. Steen will review how to implement and gain value out of ARCHIVE tables, the impact they have on utilities, and other environmental considerations. The afternoon sessions will be presented by Adrian Burke of IBM. In Adrian's first session attendees will hear about how to properly configure your DB2 environment to support distributed access in the mobile age. Adrian's second session will walk you through the tactics and tools available for troubleshooting DB2 related performance problems on your own, and avoiding performance PMRs. We hope to see you there!

**TO REGISTER:** Send an email to [reservations@mdug.org](mailto: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 August 12<sup>th</sup>, but if there are still seats available reservations will be taken up until noon on Monday August 15<sup>th</sup>.**

**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” was the most future requested topic based on the 25 evaluation results submitted from the May 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](http://www.mdug.org).

**Web Cast:** See the announcement about a DB2 V12 web cast in the [News for Members/Current Events section](#).

### **Seminar dates for 2016:**

August 17, 2016 – Crowne Plaza, Novi

November 9, 2016 – Crowne Plaza, Novi

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

## August 17<sup>th</sup> 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  | "FEEDBACK tables and PROFILES – is it a dream?"<br>Speaker: Steen Rasmussen (CA)                     |
| 10:20 am – 10:40 am | Break  |
| 10:40 am – 12:00 pm | "What's hidden in the ARCHIVES – DB2's answer to American Pickers?"<br>Speaker: Steen Rasmussen (CA) |
| 12:00 pm – 1:00 pm  | Lunch – included as part of the seminar  |
| 1:00 pm – 2:15 pm   | "DB2 for z/OS Distributed Access – In the Mobile Age"<br>Speaker: Adrian Burke (IBM)                 |
| 2:15 pm – 2:30pm    | Break  |
| 2:30 pm – 3:45 pm   | "Avoiding L2 Performance PMRs"<br>Speaker: Adrian Burke (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](http://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:**

**“FEEDBACK tables and PROFILES – is it a dream?”**

**Speaker: Steen Rasmussen (CA)**

A lot of DB2 sites are using pretty basic RUNSTATS syntax, but they might be missing some hidden gems and not providing the optimizer with adequate statistics resulting in non-optimal performance. Runstats has always been a challenge in terms of how to code the best possible syntax based on the SQL hitting the table and this task has not become any easier between each release of DB2. DB2 11 provides some great tools to assist with this task and the future looks even more promising.

### **Presentation #2:**

**“What’s hidden in the ARCHIVES – DB2’s answer to American Pickers?”**

**Speaker: Steen Rasmussen (CA)**

The attendee will get a detailed overview of what’s needed in terms of DDL to enable data archiving automatically as well as the changes needed from the SQL/application view. There’s no perfect world (Utopia doesn’t exist) so we will also look into the limitations and restrictions when Archive tables are exploited in DB2 11 NFM. Next topic is to go over what needs to be considered in terms of backup and recovery as well as other DB2 utilities which are impacted. The entire presentation will be done based on a real DB2 11 subsystem to see how all the moving parts work together.

### **Presentation #3:**

**“DB2 for z/OS Distributed Access – In the Mobile Age”**

**Speaker: Adrian Burke (IBM)**

Come and learn the best practices and updates to Distributed Access on DB2 for z/OS 10 and DB2 11. As distributed environments become more complicated and important your organization needs a methodology for adjusting timeouts and other thresholds for high availability. We will go over the recommended driver and server configurations for workload balancing, high availability, and client reroute in a Data Sharing or non-Data Sharing environment. You will be exposed to recent customer incidents that could have been avoided with the correct proactive driver/server settings. We will also discuss improvements to DDF cancel thread, location stats, and how to positively identify these distributed threads for problem determination.

### **Presentation #4:**

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## **“Avoiding L2 Performance PMRs”**

**Speaker: Adrian Burke (IBM)**

Root cause analysis of presumed, or actual DB2 performance issues can be quite tricky in today's diverse environments. Everything from CEC capacity, LPAR utilization, real/virtual storage, WLM settings, PARMLIB members, and DB2 parameters can play a part in performance degradation. Wouldn't it be nice if there were some tools (no-charge ones at that) which could quickly guide you in the direction of the root cause? Not just in text format but with graphs and trending lines that can visually depict the bottle neck and help educate management and colleagues. Many man hours have been wasted studying the effects of a system slowdown. This presentation will walk through a methodology for avoiding these issues.

## **Speaker Biographies**

### **Adrian Burke (IBM)**

Adrian Burke is an Open Group Master Certified IT Specialist on the DB2 SWAT team based out of the Silicon Valley Lab, led by John Campbell. In this role as a technical advocate for DB2 for z/OS Adrian conducts consulting and educational workshops, DB2 health checks, and availability studies for DB2 for z/OS customers. Previously, as a DB2 Advisor, Adrian supported hundreds of DB2 for z/OS customers from a technical sales perspective delivering consultative and educational workshops. Adrian has spoken at numerous DB2 Regional User Groups both in the U.S. and abroad as well as presented at IDUG, SHARE, and IOD. He is also a published Redbook author on material dealing with DB2 performance.

### **Steen Rasmussen (CA)**

Steen Rasmussen is a Sr. Engineering Services Architect currently instrumental in the ongoing development and support of the CA Technologies DB2 tools. In 1985 Steen started as an IMS/DB2 DBA at a major insurance company in Denmark working with all aspects of DB2 - like tuning, application design and implementation, education of developers, backup and recovery planning and automation of housekeeping processes. In 1995 Steen became a technical manager at PLATINUM Technology managing technical support and presales for the DB2 products. Steen has been working with DB2 for z/OS Release 1.0 since 1985 and is always looking for new opportunities in the CA DB2 solutions which can help customers manage DB2 more efficiently. Besides from providing support to the teams in the field as well as internal groups at CA technologies working with DB2, Steen is also a frequent speaker at IDUG in North America, EMEA and Australia as well as local DB2 User Groups around the world. Steen is honored to be an IBM Champion for three years.

## **Seminar Logistics:**

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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](http://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](mailto:reservations@mdug.org). Please include the name of all attendees in 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 August 12th (Friday before the seminar). Late registration until noon on Monday, August 15th, if seating is still available. Respond early to guarantee yourself a spot.

## News for Members

### 1. May 2016 Topic Feedback

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

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

# MDUG

0	Other
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## 2. May 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>
Robert Catterall – Let Me Make This Clear (Things That Plenty of DB2 for z/OS People Get Wrong)	4.71	4.79	4.88	4.74	4.68	4.78
Robert Catterall – DB2 for z/OS Distributed Data Facility Questions – and Answers	4.63	4.71	4.83	4.74	4.76	4.74
Troy Coleman – Query Optimization and Performance in DB2 11 for z/OS	4.60	4.60	4.56	4.58	4.41	4.33
Troy Coleman – DB2 for Linux on System Z	3.90	4.25	4.60	4.20	4.39	4.55

## 3. Past Seminars

Presentations for past seminars are available online at: [www.mdug.org](http://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](http://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](http://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](mailto:finances@mdug.org).

Invoices were sent out earlier to 2015 members of record. If you didn't receive yours, or need an invoice, send an email to [finances@mdug.org](mailto:finances@mdug.org) requesting one.

## 5. Membership & Attendance Fees

# MDUG

Fees for 2016 are posted on the MDUG web site ([www.mdug.org](http://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](mailto: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 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 29<sup>th</sup> 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 29<sup>th</sup>, 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!](#)