

Michigan Db2 Users Group

Quarterly Newsletter, September 2019

Website: www.mdug.org
Email: admin@mdug.org

SEPTEMBER 18TH MEETING AGENDA

- 8:15** Check In and Breakfast
- 9:00** Opening Comments
- 9:15** Dan Kelosky
- 10:30** Break
- 10:45** Mark Rader 1
- 12:00** Lunch (Provided)
- 1:00** Mark Rader 2
- 2:15** Break
- 2:30** Open Discussion(Q&A)
- 3:45** Closing Comments

The September 18th MDUG session will feature the following speakers:

Dan Kelosky (Broadcom)

Dan works in the Software Architecture team for Broadcom's Open Mainframe group and belongs to the Zowe Onboarding team. His background is as a z/OS assembler programmer and now a Zowe committer. He joined the z/OS platform in 2009 and qualifies as a millennial :).

- <https://www.linkedin.com/in/dkelosky/>
- <https://medium.com/@dkelosky>

Dan will be presenting the following topic:

- Introduction to Zowe - Modern Development for the Mainframe

Abstract on page 2

Mark Rader (IBM)

Mark Rader is a Db2 for z/OS specialist in the IBM Washington Systems Center. He has over 35 years of technical experience with IBM, primarily with Db2 for z/OS. He has led many Db2 data sharing implementations and has presented a variety of topics at conferences, including IDUG, SHARE, IBM Technical University and at regional Db2 user group meetings. He has worked closely with Db2 development in delivering the Early Support Programs for Db2 10, Db2 11, and Db2 12. He is an author of redbooks on Parallel Sysplex application considerations, Db2 data sharing, and Db2 for z/OS distributed function.

Mark will be presenting on the following topics:

- Db2 12 for z/OS: Continuous Delivery - Key concepts and latest deliveries
- Db2 12 performance update

Abstracts on page 2

Registration Contact:
reservations@mdug.org

Please Include:
*Your membership type
and the full name of all
attendees*

Registration Deadline:
September 11th

Attendee Fees:
See Page 4

Presentation Abstracts

[Dan Kelosky](#)

Introduction to Zowe - Modern Development for the Mainframe

In this sessions, I'll share what Zowe is and how it's used to allow for more modern development on the mainframe. I'll cover the basics of some modern tooling (scripting languages, testing frameworks, and CI tools) and show some demos. Lastly, I'll cover a demo in the context of a DB2 stored procedure.

[Mark Rader](#)

Db2 12 for z/OS: Continuous Delivery - Key concepts and latest deliveries

Continuous delivery has come to Z. There are some differences between how the various subsystems have chosen to implement continuous delivery. This session goes into the details of continuous delivery as implemented in Db2 12 for z/OS, then goes on to discuss on Application Compatibility (APPLCOMPAT) relates to Db2 12 Continuous Delivery, including implications for Db2 Connect, and function levels. The features included in recent function levels will be described and, in some cases, discussed in detail.

Db2 12 performance update

Db2 12 has many great features, among them those resulting in performance breakthroughs. This session focuses on enhancements that exploit memory to reduce your CPU consumption. This session also addresses performance expectations for Db2 12.

Seminar Logistics

Day of the Seminar:

Seminar will be held at the Four Points by Sheraton Hotel in Novi. Onsite check in begins at 8:15 am with a continental breakfast provided and sessions will begin at 9:00 am. Continental breakfast and lunch at the conference are included and covered by your membership fees.

Presentation Handouts:

Seminar presentations will be made be available in soft copy format prior to the seminar and will be posted on the MDUG web site at www.mdug.org as they are received by the MDUG Board. Speakers will not be bringing hard copies to the seminar. Please check the web site for the presentations prior to the seminar.

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

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 for 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, 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 September 11th (Wednesday before the seminar). Late registrations may be taken until noon on Tuesday, September 17th, if seating is still available. Please respond as early as possible to guarantee yourself a spot.

MDUG Membership:

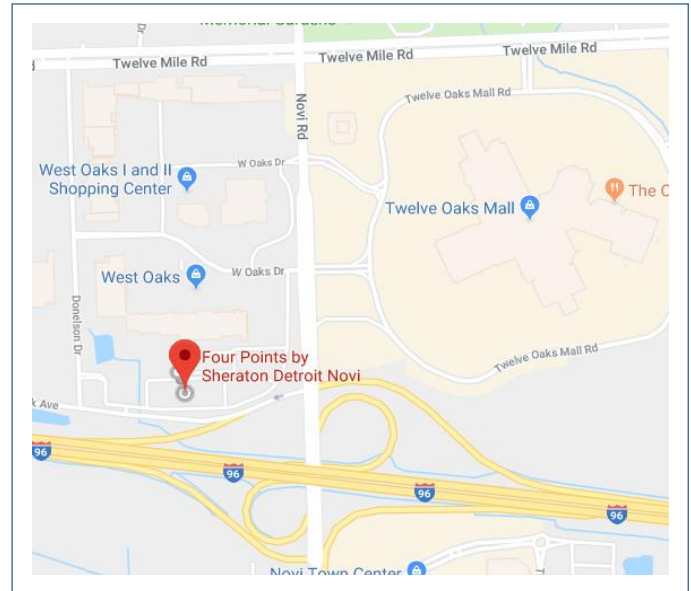
There are four types of memberships; Individual, shared, corporate, and vendor. Membership details are posted on the web site: www.mdug.org.

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.

2019 Session Dates:

2019 sessions will be held on May 15th, September 18th, and December 4th.



*Four Points by Sheraton 27000 S. Karevich Drive,
Novi, MI 48377*

2019 Membership Fees

<i>Individual - \$140</i>
<i>Shared - \$180</i>
<i>Corporate - \$540</i>
<i>Vendor - \$540</i>
<i>Meeting - \$60</i>

May 2019 Session Feedback

<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>
Kevin McGuinn – Automated Mainframe Intelligence for Database Management	4.65	4.56	4.88	4.53	4.75	4.69
Kai Stroh – Data Masking for DB2 on z/OS	4.81	4.69	4.81	4.69	4.45	4.67
Thomas Beavin – IBM Db2 AI for z/OS	4.25	4.22	3.97	4.19	4.45	4.32
Jim Knisley – Db2 Analytics Accelerator Technical Update	4.28	4.44	4.69	4.47	4.58	4.60

Current Events

JC's Greatest Hits, War Stories, and Best Practices 2019

This double session introduces and discusses some of most common and/or most important issues based on worldwide customer engagements.

There are two main objectives. Firstly, learn recommended best practice. Secondly, learn from the positive and negative experiences from other customer installations.

The following topics will be discussed:

- Running out of basic 6-byte log RBA addressing range;
- Diagnosing resolving slow-downs and hangs;
- Hung Db2 threads; New ZSA keyword on HIPER and PE APARs;
- Insert free space search algorithm; Insert with APPEND;
- Fast un-clustered insert (Db2 12);
- Hidden ROWID support to partition;
- Cost management using CPU capping;
- Fast REORG with SORTDATA NO RECLUSTER NO;
- Requirement for increased RID Pool size (Db2 12);
- Setting initial STATISTICS PROFILE (Db2 12);
- System parameter REALSTORAGE_MANAGEMENT;
- Transaction level workload balancing for DRDA traffic;
- Use of High-Performance DBATs;
- Overuse of UTS PBG tablespaces and MAXPARTS;
- Cleaning up after STATCLUS = STANDARD; “MBA lock”;
- IRLM query requests for package break-in; Db2 maintenance issues with batch utilities;
- Running CHECK utilities with SHRLEVEL CHANGE;
- Local buffer pool allocation - virtual and real memory.

May 2019 Topic Feedback

<i>Votes</i>	<i>Requested Topics</i>
5	DB2 Performance and Tuning
5	Connecting to DB2 Data from Cloud Applications
5	Integrating Cloud and DB2 Data
4	Data Warehousing
4	DB2 Experiences
4	New DB2 Releases
3	DB2 Application Tuning
3	Db2 Utilities
2	DB2 Performance Tools
2	Db2 Supporting Software
2	DB2 Web Connectivity/Usage
2	Supporting DB2
1	DB2 Disaster Recovery
1	DB2 Interconnectivity
1	DB2 Using CICS/IMS
1	Using Stored Procedures

John is an IBM Distinguished Engineer reporting to the Director for z/OS Development at the IBM Silicon Valley Lab. He has extensive experience of DB2 in terms of systems, database and applications design. He specializes in design for high performance and data sharing. He is one of IBM's foremost authorities for implementing high end database / transaction processing applications.

[Click here to register for this two part webcast!](#)

Improve Db2 for z/OS Performance by exploiting Statistics

Join Db2 Optimizer Guru and expert Terry Purcell and learn how you can exploit Db2 statistics and improve productivity. The Db2 optimizer relies on statistics about tables and indexes. In most cases, if the optimizer could exploit more complete and accurate statistics, queries would perform better. While, Db2 users often only gather standard or default statistics. It's a challenge for users to identify what detailed statistics should be gathered for the specific queries. This is a main reason for sub-optimal(unsatisfactory) query performance.

Starting from Db2 11, the Db2 optimizer provides recommendations for missing/conflicting statistics via a new catalog table. Db2 users can easily gather accurate and complete statistics for the optimizer to improve query performance. Yet, this practical new enhancement has not been widely utilized by Db2 users. In this session, we will explain how to utilize and benefit from the feature.

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

Real Solutions to modernize your Db2 application development with self-service and automation

Your organization wants to modernize its Db2 mainframe application processes, but the question is how to do it? Where do you start? This session shows how to remove barriers that are holding your Db2 enterprise data captive in outdated methods and processes.

Pat Bossman, IBM STSM, will take you thru the life cycle of Db2z development starting from application creation, deployment, testing in different environments with necessary feedback loop, driving a continuous integration/delivery pipeline all the way to deploying in production and then releasing the allocated resources.

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

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