



Michigan Db2

Users Group

MDUG Newsletter, August 2020

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

AUGUST 20TH MEETING AGENDA

- 10:00** Intro: Bill Moran (BMC)
10:15 John Campbell (IBM)
11:15 Tony Andrews (Themis)
12:15 Anthony Ciabattoni (IBM)
1:15 Q & A

Registration Contact:
reservations@mdug.org

Please Include:
Your membership type and the full name of all attendees. MDUG will respond with a webex link once registered.

Registration Deadline:
August 19th

Fees:
Free of Charge

August 20th Virtual Seminar!

We are excited to announce that MDUG has once again teamed up with CODUG (Central Ohio Database Users Group) and NEODBUG (Northeast Ohio Database Users Group) to sponsor our second virtual user group session of the year on Thursday, August 20th!

The August 20th Virtual MDUG session will feature the following sessions:

- Do's and Dont's about Continuous Delivery
 - Presented by John Campbell of IBM
- Advanced SQL and the Power of Rewriting Queries
 - Presented by Tony Andrews of Themis
- Mass Db2 Recovery with Db2 12 Updates
 - Presented by Anthony Ciabattoni of IBM

This virtual seminar will be held via webex and will be free of charge. As such we are not limiting our audience to current user group members. Invite a friend or coworker who may not have had the chance to attend in person in the past and let them experience what MDUG is all about! Please register just as you would for an in-person seminar by sending an email to reservations@mdug.org with the name of your organization and any attendees. Once registered an MDUG admin will reply with your link to the event.

On behalf of MDUG we sincerely hope everyone is staying safe and healthy and are looking forward to hearing from you in August!

Presentation Details

John Campbell (IBM)

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.

John will be presenting on the following topic:

Do's and Dont's about Continuous Delivery

This session will provide a recap of what is continuous delivery: what it is, what it means, implications, different levels to consider. The following topics will also be discussed: moving to a new function level; misconceptions, the associated risks and recommendations; implications of migration to Function Level M504, Function Levels and Quiesced Db2 members of Data Sharing Group. Many recommendations will be provided on best practices.

Tony Andrews (Themis)

Tony Andrews has more than 25 years' experience in the development of relational database applications. Most of this time, he has provided development and consulting services to Fortune 500 companies and government agencies. Tony has written literally thousands of queries and programs during his development years, and has also served as a database analyst. For the last 10 years, Tony has been splitting his time between performance and tuning consulting engagements along with training. His main focus is to teach today's developers the ways of RDBMS application design, development and SQL programming -- always with a special emphasis on improving performance. He is a current IBM Champion, and regular speaker at many regional user groups, IDUG NA, and IDUG EMEA. He is also the author of a book for developers titled 'DB2 SQL Tuning Tips for z/OS Developers' and was voted one of the top speakers at IDUG 2019

Tony will be presenting on the following topic:

Advanced SQL and the Power of Rewriting Queries

Often times there can 4,5,6 different ways to write an SQL query and get the same results back. What makes one better than any of the others, and is there any ones that are always better, or always worse? Sometimes rewriting 1 predicate in an SQL statement can cause optimization to change. This presentation breaks down many examples of query rewrites and how they can affect performance and optimization. Being strong in SQL is a great skill when it comes to performance and tuning of queries.

Presentation Objectives:

- Objective 1: To help the audience become stronger in SQL and understand the power of SQL rewrites.
- Objective 2: To help the audience become more educated in the area of performance and tuning from the application side.
- Objective 3: To help the audience understand how certain SQL statements operate within DB2.
- Objective 4: To help the audience understand the different areas of performance tuning when it comes to a program or query, Objective 5: To break down the many different predicate types and how they affect a query's optimization

Anthony Ciabattoni (IBM)

Anthony has over 24 years of DB2 for z/OS experience with expertise in high available 24/7 systems, including extensive hands on backup/recovery and IDAA knowledge. He has been responsible for working on real life solutions with customers in the Analytic space as well as designing and architecting backup & recovery strategies. Anthony is a current IBM Information Champion, past member of the IBM DB2 for z/OS Customer Advisory Council, past presenter at IBM's Information on Demand Conferences, SHARE, IDUG North America and Europe Conferences

Anthony will be presenting on the following topic:

Mass Db2 Recovery with Db2 12 updates The Nightmare of a Db2 Professional

The challenge of mass Db2 recovery is overwhelming and challenging but rarely is tested. Disaster Recovery testing often occurs multiple times a calendar year but local recovery testing especially mass application recovery rarely is tested. Statistically speaking mass Db2 recovery will happen more frequently than an actual disaster but most organizations are not properly prepared to execute a mass local recovery. This session will go through the process of planning, preparing and executing a mass Db2 recovery. The ultimate goal is to plan, prepare and be proactive rather than being non-prepared reactive when a mass Db2 recovery is needed to be executed.

Seminar Logistics

Day of the Seminar:

Seminar will be held online via Webex Meetings. The link provided by MDUG at registration time will take you to the meeting webpage where you can join the Webex. If you have not used Webex in the past, you may need to accept the Webex add-on and allow a small installer to run. Once in the meeting you will have to connect to the audio, either using your PC audio or calling in by phone. Instructions for both will be provided in the audio area of the webex.



We ask that you mute your microphone for the majority of the session to avoid background noise over the speakers. Questions can be entered via the chat feature throughout the seminar and the speakers will stop at designated times to respond. At the end of the three sessions, there will be a group Q & A facilitated by Bill Moran of BMC where open discussion can be held verbally on a variety of topics.

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 "Presentations" 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. Once received, a member of the MDUG board will respond to your email with your link to the Webex meeting. Registration will be open until end of day on Wednesday, August 19th.

MDUG Membership:

Membership details for a standard year membership are posted on the web site: www.mdug.org. Due to the constantly changing status of 2020, membership handling for the 2020 year is being reviewed and details about future in-person meetings are still to be determined. MDUG will relay any pertinent membership information to our members as soon as decisions are made.

2020 Session Dates:

MDUG is tentatively planning seminars on the following remaining dates in 2020. These are subject to change depending on the stats of social distancing guidelines at the time of the event.

Typical Annual Membership Fees (to be adjusted for 2020)

Individual - \$140

Shared - \$180

Corporate - \$540

Vendor - \$540

Meeting - \$60

Wednesday December 9, 2020

May 2020 Session Feedback

<i>Presenter/Presentation Topic</i>	<i>Value of Topic</i>	<i>Session Content</i>	<i>Speaker</i>
Db2 Tablespaces Overview	4.5	4.33	4.43
Mainframe Db2 API's – Creating the future	4.5	4.71	4.61
Db2 12 for z/OS Update	4.34	4.59	4.55

Current Events

Access Db2 for z/OS data without accessing Db2 for z/OS - with Namik Hrle, IBM Fellow

Organizations want to leverage the extremely valuable data that originates on IBM Z for information driven projects that run on non-IBM Z platforms. One example is delivering and synchronizing transactional data into distributed SQL or no-SQL data stores for read-only access from mobile devices. This access tends to be unpredictable in volume and the majority of activity is for simple account lookups. Another example is loading transactional data into downstream warehouses or data lakes for analytical processing. This access tends to be data intensive, usually for complex queries, and may be driven from a rich analytics tools ecosystem. While organizations are looking for a path that takes them on a "journey to the cloud", they absolutely do not favor a strategy that puts everything directly into the public cloud. Rather, they are looking for a hybrid strategy that allows an open, secure, hybrid cloud approach and supports mission critical workloads.

Using home grown approaches and ETL technologies has led to unreliable results and latent data for adopters. Data extraction and replication processes consume considerable resources, drive up mainframe and related software costs, and compete for the same resources used for operational processing. The people and infrastructure costs can be excessive. IBM intends to address these inefficiencies with a new capability for data originating in Db2 for z/OS. This new technology will offer IBM Z customers the opportunity to access Db2 for z/OS data without accessing Db2 for z/OS itself.

Broadcast Date: May 5th, 2020
 Time: 11:00 AM Eastern Daylight Time
 Duration: 1 hour

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

The next evolution in Db2 AI for z/OS and Watson Machine Learning for z/OS

IBM Db2 AI for z/OS continues to evolve the application of machine learning to optimize your Db2 for z/OS system. It began with learning your workload characteristics to improve the inputs to the Db2 Optimizer, and extended to embedding machine learning combined with IBM domain expertise for customized system tuning recommendations. The next evolution of Db2 AI for z/OS functionality is currently in development. And we invite you to register for this webcast to hear more about how to further improve your Db2 application performance and availability with Db2 AI for z/OS.

This webcast will also highlight the latest enhancements in Watson Machine Learning for z/OS - the foundational machine learning technology in Db2 AI for z/OS. Watson Machine Learning for z/OS is an end-to-end machine learning platform, that helps build, deploy and monitor AI models. It is the only AI/machine learning product that runs on IBM Z under z/OS, taking advantage of the exceptional qualities of service associated with the platform.

Broadcast Date: May 13th, 2020

Time: 11:00 AM Eastern Daylight Time

Duration: 1 hour 15 minutes

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

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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.