



Michigan Db2

Users Group

MDUG Newsletter, May 2021

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

MAY 6TH MEETING AGENDA

- 10:00** Intro: Bob Vargo
- 10:15** Ryan Mullaney (BCBS-SC)
- 11:15** Chad Reiber (BMC)
- 12:15** Lethika Panicker (Worldpay)
- 1:15** Q & A

Registration:

[REGISTER HERE](#)

Please Include:

Follow the above link and fill out your information to register. Once registered you will receive and email with a link to the May Meeting.

Registration Deadline:

May 5th

Fees:

Free of Charge

May 6th 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 a virtual user group session on Thursday, May 6th!

The May 6th Virtual MDUG session will feature the following sessions:

- Using Db2 z/OS as a NoSQL Solution
 - Presented by Ryan Mullaney of Blue Cross Blue Shield of South Carolina
- Optimization Hints Grow Up
 - Presented by Chad Reiber of BMC
- Db2 12 for z/OS User Experience at Worldpay
 - Presented by Lethika Panicker of Worldpay

This virtual seminar will be held via adobe connect 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 by clicking the REGISTER HERE link to the left on this page and filling out your registration information. Once registered you will receive an email response 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 May!

Presentation Details

[Ryan Mullaney \(Blue Cross Blue Shield of South Carolina\)](#)

Ryan will be presenting on the following topic:

Using DB2 z/OS as a NoSQL Solution

As of DB2 V10, DB2 supports storage and access of JSON in a NoSQL manner to compete with other technology offerings. Also, in recent versions of DB2, IBM has enhanced the functionality around JSON. At our company, we used a similar approach in the past for XML documents with health exchange data and now we can have the same features with JSON. So we decided to run a POC (Proof of Concept) to see if DB2 would meet our needs on the aggressive timeline (2 months).

[Chad Reiber \(BMC\)](#)

In 1983 Chad Reiber started in IT with AT&T as a developer of data generator software. From there he moved into the database arena as a database administrator for IMS, IDMS, and Db2. Chad has been working with Db2 since 1987.

Chad began working for BMC Software in 1997 as a Software Consultant and primarily supports all aspects of BMC's Mainframe products for the Northeast Db2 community.

Chad will be presenting on the following topic:

Optimization Hints Grow Up

Back in 2000, I wrote an article for the IDUG Journal titled the Seedy Underworld of Db2. It discussed the new feature in DB2 Version 6 where our world class Db2 Optimizer could be influenced by the deal making backroom of the optimization hints. It was controversial the time but over the different DB2 releases and twenty years, IBM has given us several ways to influence the access paths, fallback to older access paths and just recently to use AI to help with access path determination. In this presentation, I will highlight where we have been and where we are now with getting the access path we want and need.

Many times, DBAs and Db2 Performance people are asked to improve performance without the benefit of the applications being able to make SQL changes. This is just another bunch of features/functions, that come with Db2 z/OS, individuals can used to make a difference to the end user.

[Lethika Panicker \(Worldpay\)](#)

Lethika will be presenting on the following topic:

Db2 12 for z/OS User Experience at Worldpay from FIS

This section will cover Db2 12 for z/OS performance improvements and Db2 maintenance procedure. The session will cover how zIIP utilization and large memory reduces overall costs and improves throughput. Worldpay from FIS will also show how to effectively monitor this zIIP utilization and real storage. They will showcase the performance of the environment before and after these changes were implemented at Worldpay from FIS. Additionally, this session will cover how to implement zHyperWrite and DB2 Log Write Acceleration.

Seminar Logistics

Day of the Seminar:

Seminar will be held online via Adobe Connect. The link provided by MDUG at registration time will take you to the meeting webpage where you can join the meeting. If you have not used Adobe Connect in the past, you may need to accept an 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 meeting.



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 by clicking the [Registration Link](#) and filling out your information. Once registered, you will receive an email with your link to the meeting. Registration will be open until end of day on Wednesday, May 5th.

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 COVID-19, membership handling for the 2020 and 2021 years 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.

Typical Annual Membership Fees (to be adjusted once in-person seminars resume)

Plans for 2021:

Thank you to those of you who participated in the training session with Susan Lawson in January. In addition to our May seminar, we will also be holding a seminar on August 26th and another at a future determined date in December.

Individual - \$140

Shared - \$180

Corporate - \$540

Vendor - \$540

Meeting - \$60

December 2020 Session Feedback

| <i>Presenter/Presentation Topic</i> | <i>Value of Topic</i> | <i>Session Content</i> | <i>Speaker</i> |
|--|-----------------------|------------------------|----------------|
| DevOps and CICD | 4.08 | 4.12 | 4.12 |
| Mining Gold in the Db2 Catalog | 4.37 | 4.44 | 4.7 |
| Coding for Db2 Performance...by the book | 4.7 | 4.63 | 4.74 |

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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