

# NEODBUG

E L E C T R O N I C

## Newsletter of the Northeast Ohio Database Users Group

### Beulke, Larsen Bringing Their Talents to August Meeting

Recently, "some guy" said "In Northeast Ohio, nothing is given. Everything is earned. You work for what you have."

NEODBUG agrees. That's why we continue to present low-cost, high-quality database education so you can get your work done better. We are very proud of the agenda for our next quarterly meeting, scheduled for **Thursday, August 21** at the **Crowne Plaza Hotel and Conference Center in Independence**, featuring internationally-known DB2 speakers/consultants **Dave Beulke** and **Sheryl M. Larsen**.

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Dave's first presentation for us will be **"SQL Considerations for a Big Data 22 Billion Row Data Warehouse"**. This presentation discusses the design, architecture, performance and complex SQL issues building and reporting within a big data analytics data warehouse (DW) system. You will learn through this presentation the real life issues, agile SQL considerations and SQL design solutions for building a data warehouse of 22+ billion rows in six months.

This presentation will help you understand how to design and leverage new SQL techniques for your big data business issues. Also the agile development processes will be detailed showing you how to uncover complex analytics requirements and design SQL, common table expressions (CTE) and other SQL techniques early in the development cycle. This presentation will help you understand all these SQL experiences that took processes from 37 hours to seconds so you can create a successful big data design and SQL analytic architecture.

Dave's second presentation will look at big data from an operational perspective: **"Big Data Disaster Recovery Performance"**.

Big data disaster recovery can be a big problem. In this session you will learn the latest techniques and design architectures to provide the best big data disaster recovery performance. The various hardware and software techniques will be discussed highlighting the flash copy and replication procedures.

Performance and system availability have always been paramount and today's big data systems make your design architectures, hardware and software choices critical. Understand the architecture choices and hardware and software settings that will help you avoid problems and keep your big data application available. Learn from real world experience and hear the facts so you avoid the issues with your big data disaster recovery performance.



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Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)



Dave Beulke is an internationally recognized DB2 consultant, author and lecturer and performs system, database design and application performance reviews for many clients. He is known for his extensive expertise in system and database performance, data warehouses and internet applications.

He is currently a member of the IBM DB2 Gold Consultant program, co-author of the IBM V8 and V7 z/OS DB2 certification exams, co-author of the Business Intelligence certification exam, past president of the International DB2 Users Group (IDUG), columnist for DB2 Magazine, former instructor for The Data Warehouse Institute (TDWI), and former editor of the IDUG Solutions Journal.

Find out more about Dave at [www.davebeulke.com](http://www.davebeulke.com).

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After lunch, Sheryl M. Larsen will give her first presentation, *“DB2 11 for z/OS is Great! Why Should You Care?”*

You should care because your career is dependent on a healthy DB2 for z/OS workload. The more efficient you can make it, the more likely it will stay there! This presentation will cover DB2 11 enhancements that can improve efficiency for developers.

DB2 11 delivers several SQL and optimization enhancements that can help applications to ease development, porting and also run faster. DB2 11 also provides several enhancements to the support of IBM pureXML®, stored procedures, and connectivity. Application-enabling infrastructure changes allow for intersection with big data, XML, and mobile.

In addition to providing more SQL aggregation improvements, the combination of z/OS Communication Server for TCP/IP, DB2 11 functions and the many new features in IBM DB2 Analytics Accelerator V4, improve the bandwidth of the hybrid system solution for OLTP and analytical workloads.

Our last presentation of the day is Sheryl’s *“Using DB2 Performance Structures Optimally”*.

In this best practice presentation, Sheryl discusses structures and appliances that can be used in conjunction with DB2 to improve performance. She presents information on base table indexes, index on expression, Materialized Query Tables (MQTs), zIIPs, and Accelerated Query Tables (AQTs). Decisions and cases regarding when to use these structures are presented.

Sheryl M. Larsen is president and founder of Sheryl M. Larsen, Inc., a consulting practice specializing in DB2 systems analysis and advanced education. She is an internationally recognized researcher, consultant and lecturer, specializing in large scale DB2 systems and is known for her extensive expertise in optimizing SQL. Sheryl has over 23 years experience in DB2, has published many articles and co-authored a book, DB2 Answers (Osborne-McGraw-Hill, 1999). She was selected as a keynote speaker for the IDUG Asia Pacific 2002 conference and is frequently asked to keynote DB2 tool vendors worldwide events. She was voted into the IDUG “Speaker Hall of Fame” in 2001 and was the executive editor of the IDUG Solutions Journal magazine 1997-2000. Currently, she is President of the Midwest Database Users Group ([www.mwdug.org](http://www.mwdug.org)), a member of IBM’s DB2 Gold Consultants program and just announced: an inaugural member of IBM’s Data Champion program.



Find out more about Sheryl at [www.smlsql.com](http://www.smlsql.com).

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Remember “some guy” we referred to earlier? He also said “I get a thrill out of bringing a group together and helping them reach a place they didn’t know they could go.” Well Lebron, NEODBUG tries to do the same thing with its educational programs - hope to see you all (well, not him) at our next meeting - Thursday, August 21 at the Crowne Plaza Hotel and Conference Center in Independence.

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)



## Chairman's Corner By Michael James

Imagine that it's July (all right, almost August). The Indians have been the surprise of the season, again, and are looking to become buyers rather than sellers before the trading deadline. Quite a change from the past several years! The Cavaliers had the #1 pick in the draft and chose Andrew Wiggins. And LeBron James is back in Cleveland - what a deal! Tiger Woods is back! At least the Browns are a big question, as usual, with new coaches and lots of new players. Training camp might even open on July 26th. I hope our rookies get signed in time to participate. Yeah, something to look forward to, again. Seems like it is a yearly event!

\* \* \*

At least we can look forward to NEODBUG holding our next quarterly meeting - Thursday, August 21, 2014. Even though we are in the "lazy days of summer," our agenda committee has not been lying around getting a tan (or maybe they have). Either way, they are moving at the speed of light! They did another spectacular job of finding speakers for the August quarterly meeting with some VERY interesting topics. While I am at it, I want to thank IBM, in advance, for providing our speakers at this meeting: Sheryl M. Larsen and Dave Beulke. Vendor support is SO important to our ongoing success in providing educational offerings to you.

I also want to remind you that we are coming up on our annual business meeting in November. This means the election of Trustees to the Board. It's not too early to start thinking about how you can be involved more in the leadership of this organization. We always need some new ideas and assistance with the duties of the Board. Here's how elections work:

Any member of NEODBUG may nominate him/herself by submitting a letter to the Board of Trustees with a statement of fifty words or less indicating relevant background. We will be accepting nominations at the August quarterly meeting.

You may also nominate someone else by submitting his or her name, company name and phone number (if possible). They will be notified by a Board member of the nomination and asked if they have any interest in joining the Board of Trustees.

The current Board of Trustees will present to the membership a ballot listing all nominees and will conduct an election for the Board of Trustees for 2015.

The Board of Trustees will elect officers at the December Board meeting.

Join the NEODBUG Board of Trustees and have input into the kind of programs and events that are sponsored by the organization.

\* \* \*

...Now that I'm finally on the practice field with the 2014 Cleveland Browns. It is the first day of camp and we are still trying to get used to the new offense and defense, not to mention the new team members. Not sure who my teammates are going to be. I hope Hoyer will be the starting QB, but who are the receivers? No, I am the new rookie shooting guard for the Cavaliers, just beating out Dion Waiters for the position and I am looking to get the ball from Kyrie Irving or LeBron (!) and put it in the bucket. They just got me under the salary cap after the two restricted free agent signings at just over \$28 a game. Oh my! I must be dreaming because they would never pay me THAT much..... And the Indians are only 7.5 games out of FIRST place. Wow!

\* \* \*

Wear your summer/casual attire (shorts, golf shirts and sneakers) to the August meeting. Especially if it is in the 90 degree range like it can be in August. There's no need to be uncomfortable. See you there!!!!

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)



# NEODBUG Treasurer's Report

Here are the current financials for NEODBUG as of July 10, 2014.

## ASSETS

Checking Account	\$18,876.76	
Money Market Account	\$ 7,552.94	
Total		\$26,429.70

## LIABILITIES

Membership Prepayment	\$ 200.00	
Total		\$ 200.00

## NET WORTH

\$26,229.70

We had a good turnout for the May 13th meeting with thirty-two paid attendees from thirteen companies.

The following companies/individuals have sent in their corporate or individual memberships. If you don't see your company name, you will have to pay the higher, non-membership registration fees at the upcoming quarterly meeting. Those companies that prepaid to send members to NEODBUG meetings have the number of remaining coupons next to their names. The coupons expire 12/31/2014:

Companies/ Individuals that have paid memberships:

BMC Software	(3 Coupons left)
Erie Insurance	(3 Coupons left)
Key Bank	
Medical Mutual	(2 Coupons left)
Parker Hannifin	
Phil Sherman	
Sherwin Williams	(2 Coupons left)
Westfield Insurance	

Alan Solnick  
Treasurer

## DB2 Websites/Blogs You Need to Visit

(from "DB2 News", [www.kbce.com](http://www.kbce.com))



### SQL Tips for DB2 LUW

Interesting SQL solutions for DB2 LUW as well as hints on how to move Oracle applications to DB2 by Rick Swagerman and Serge Rielau.  
TIP: you can send in your own question!

<https://www.ibm.com/developerworks/community/blogs/SQLTips4DB2LUW/>

### IBM Data Magazine



Maybe you remember this from the days it was a printed magazine. IBM Data magazine is well known for delivering substantive, high-quality, thought-leadership content covering innovative data management developments and IBM advances.

<http://ibmdatamag.com/>

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)



## Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
07/20-25/2014	The Data Warehouse Institute (TDWI) World Conference: Evolving Your Analytics Infrastructure From DW to Big Data—Boston, MA <a href="http://www.tdwi.org">www.tdwi.org</a>
07/22-23/2014	Oracle Applications Users Group (OAUG) Connection Point—AppsTech—Pittsburgh, PA <a href="http://www.oaug.org">www.oaug.org</a>
08/03-08/2014	SHARE in Pittsburgh—Pittsburgh, PA <a href="http://www.share.org">www.share.org</a>
08/04-06/2014	TDWI Seminar Series: Big Data—Columbus, OH <a href="http://www.tdwi.org">www.tdwi.org</a>
08/05/2014	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
08/19-21/2014	NoSQL Now! - San Jose, CA <a href="http://nosql2014.dataversity.net">nosql2014.dataversity.net</a>
08/21/2014	Northeast Ohio Database Users Group (NEODBUG) quarterly meeting—Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a>
09/02/2014	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
09/10-12/2014	International DB2 Users Group (IDUG) DB2 Tech Conference—Sydney, Australia <a href="http://www.idug.org">www.idug.org</a>
09/19/2014	Northeast Ohio Oracle Users Group (NEOOUG) business meeting—Independence, OH <a href="http://www.neooug.org">www.neooug.org</a>
09/28-10/02/2014	Oracle OpenWorld—San Francisco, CA <a href="http://www.oracle.com">www.oracle.com</a>
10/07/2014	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
10/09-10/2014	DB2 Symposium—Köln, Germany <a href="http://www.db2-symposium.com">www.db2-symposium.com</a>
10/26-30/2014	IBM Insight 2014 (formerly Information On Demand)—Las Vegas, NV <a href="http://www.ibm.com">www.ibm.com</a>
10/27-29/2014	Big Data Techcon—San Francisco, CA <a href="http://www.bigdatatechcon.com">www.bigdatatechcon.com</a>
11/04/2014	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
11/04-7/2014	Professional Association for SQL Server (PASS) Summit 2014—Seattle, WA <a href="http://www.sqlpass.org">www.sqlpass.org</a>
11/09-14/2014	IDUG DB2 Tech Conference—Prague, Czech Republic <a href="http://www.idug.org">www.idug.org</a>
11/20/2014	NEODBUG quarterly meeting—Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a>
11/21/2014	NEOOUG business meeting—Independence, OH <a href="http://www.neooug.org">www.neooug.org</a>
12/02/2014	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
12/07-12/2014	TDWI World Conference: Emerging Technologies 2015—Orlando, FL <a href="http://www.tdwi.org">www.tdwi.org</a>
01/23/2015	NEOOUG business meeting—Independence, OH <a href="http://www.neooug.org">www.neooug.org</a>
03/01-06/2015	SHARE in Seattle—Seattle, WA <a href="http://www.share.org">www.share.org</a>
04/12-16/2015	COLLABORATE 15—Las Vegas, NV (Independent Oracle Users Group—IOUG) (OAUG) <a href="http://www.ioug.org">www.ioug.org</a> <a href="http://www.oaug.org">www.oaug.org</a>
04/20-22/2015	PASS Business Analytics Conference—Santa Clara, CA <a href="http://www.sqlpass.org">www.sqlpass.org</a>

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