

# NEODBUG

E L E C T R O N I C

## Newsletter of the Northeast Ohio Database Users Group

### Susan Lawson Education Event March 15, New Fee Structure

NEODBUG starts the year with its annual education event: on Thursday, March 15 at the Progressive Discovery Center Studio 96, we are pleased to present [Susan Lawson of YLA, Inc.](#), with "[Reducing CPU and Maximizing Db2 z/OS Application/SQL Performance](#)".

This seminar will cover many best practices for our applications in order to achieve performance and reduce CPU in Db2 z/OS. Many techniques to minimize overhead and locking will be explored. We will also take a look at techniques for coding efficient SQL and minimizing the amount of data we bring back to our applications via optimal predicates, less repetition and indexes. We will also look at how to best utilize the dynamic cache and to use it in performance tuning efforts along with several Explain tables. All features discussed are current with Db2 11 and 12.



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#### The course outline includes:

##### High performing applications

- What makes an application perform well
- What kills application performance

##### Db2 and SQL call reduction

- How to reduce calls
- Efficient use of referential integrity for call reduction
- Efficient use of triggers and stored procedures
- Features to exploit in recent releases including 11 and 12

##### SQL filtering and index usage

- Predicate stages
- Promoting predicates
- Db2 predicate promotion
- Db2 query rewrite

##### Minimizing application contention and overhead

- Locking reduction
- Row level locking
- Deadlocks and timeouts
- Coding for best concurrency
- Lock avoidance

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[www.neodbug.org](http://www.neodbug.org)  
[info@neodbug.org](mailto:info@neodbug.org)

#### IN THIS ISSUE

[March 15 special education event - page 1](#)

[Treasurer's Report - page 4](#)

[Upcoming Database Events - page 5](#)

## PROGRESSIVE®

Progressive Insurance employees need to register for this education event via their IT University system, (course name "NEODBUG DB2 Training Event") not the link below.

(Continued on page 2)

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

(Continued from page 1)

- Bind parameters

#### Advanced features

- Using new features in 11 and 12 to improve application performance
- Exploiting new SQL code
- Using additional Explain tables
- Utilizing the dynamic SQL cache

Susan Lawson is an internationally recognized consultant and lecturer with a background in Db2 z/OS system and database administration for 29 years. She currently works with several large clients to help design, develop, implement and tune some of the worlds' largest and most complex Db2 databases and applications. She also performs performance/availability audits and health checks for many clients to help reduce costs through proper performance tuning and to help ensure availability and stability. Her other activities include authoring articles and white papers, presenting at user group meetings, and developing/teaching a variety of Db2 z/OS courses. She is an IBM GOLD Consultant and an IBM Analytics Champion. She has authored the IBM 'DB2 11 for z/OS DBA Certification Guide' and has previously authored several books on certification and performance.

Susan last presented to NEODBUG in March of 2015.

\* \* \*

This year's class will be under a new fee structure: NEODBUG started its annual education event seventeen years ago (2001). During that time, we have kept the price constant—*no increases*. If you take a look at our annual treasurer's report on [page 4](#), you will see that NEODBUG lost money in 2017. The Board feels strongly that we want to maintain a tighter balance sheet, and with cost increases for the facilities we use, we must raise our fees. The cost for this education event will be **\$225** for employees of member companies that register in advance and **\$250** for non-members. Add \$25 to each cost if you register at the door. Please read the note on corporate membership invoices from our treasurer. Every fifth attendee from the same company is eligible for a \$30 discount. Companies that have already sent in their corporate membership fee and received meeting coupons can apply them for a \$25 credit to this event.

Susan's class will be held in Studio 96 of Progressive's Discovery Center, 6671 Beta Drive in Mayfield Village, Ohio, the same location as last year's education event. This is an auditorium-style facility; each attendee will sit in a seat with a fold-down table and each seat has a place to plug in your laptop. Attendees to this event are asked to park in the back of the Discovery Center; Studio 96 has a separate entrance there and you will be asked to check in. Detailed directions will be provided to all registrants. The event will begin with registration/check-in at 8:30AM with the session commencing at 9AM. The class will last until 5PM. Continental breakfast, lunch and all educational materials (on paper for this event) will be provided.

We are getting the announcement of this class out early, so you will have time to clear your participation with your management and insure that your company's money-saving membership is taken care of. Register for the event using the **red** link at the bottom of this page. Remember, you can use our PayPal link to pay using any credit card (corporate or personal) whether you have a PayPal account or not.

Hope to see you March 15!

\* \* \*

NEODBUG's business model uses the income from our education event to offset the losses we incur on our quarterly meetings the balance of the year. We lose \$2000-\$2500 on each of the quarterly meetings, but want to keep these meetings low-cost. Unfortunately, we are forced to increase those

(Continued on page 3)

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

(Continued from page 2)

fees by \$5: **\$25** for employees of member companies that register in advance and **\$35** for non-members. Add \$10 to each cost if you register at the door. These fee increases will take effect with our next quarterly meeting on June 7.

\* \* \*

In Board news, we regrettably accepted the resignation of Frank Fella of Progressive from our Board. Frank joined the Board in 2015. Thanks for your service!

\* \* \*

At its January Board meeting, we voted to add Dustin Ratliff of Progressive to the Board of Trustees. Dustin is a database engineer at Progressive, administering Db2 and Db2 Connect on both the z/OS and Windows platforms. He has his z/OS system mastery certificate from Marist College and has recently turned his attention to learning about and working on Db2. He was also on the z/Nextgen project committee for SHARE for 2 years (2010, 2011) and presented at the conference in Seattle in 2011. He co-presented "Things I Wish Someone Had Told Me About IDAA Two Years Ago" at IDUG in 2017 as well as at NEODBUG's September, 2017 meeting. Dustin is currently on the 2018 IDUG Db2 North American Tech Conference Planning Committee.



Welcome aboard, Dustin!

## WhAt'S IN a NaMe?

On June 22, 2017, IBM announced a rebranding of DB2 to ...Db2?!

Henrik Loeser, an IBM employee and blogger (<http://blog.4loeser.net/2017/07/ibm-marketing-and-db2-db2-and-dashdb.html>) explains and gives his opinion of the change:

During the time with IBM I got used to those many changes to product names, the constant rebranding. When I first heard about a change to DB2 that was announced last week, I scratched my head and moved on. The product itself does not change, it's a name.

Here are some of the changes, see the [Db2 website](#) for details:

- DB2 for Linux, UNIX, and Windows (DB2 LUW) is now names just "Db2".
- DB2 for z/OS is "Db2 for z/OS".
- dashDB TX (dashDB for Transactions) is referred to as "Db2 on Cloud". It reflects that it basically was and is a fully managed Db2 (LUW) database system.
- The former "IBM DB2 on Cloud", the cloud-hosted version of DB2 LUW, is now named "Db2 Hosted" to correctly imply what it is.

To keep you mentally flexible and to stimulate your brain cells, the uppercase B in "DB2" is now lowercase. "Db2" is what you will see more and more on the outside. But the product itself, as stated above, will remain "DB2". Therefore, you don't have to rewrite your test procedures. And if you have to prepare slides, e.g. for one of the upcoming IDUG conferences, there is one benefit with the new naming: Autocorrect is correct now...

### 2018 NEODBUG Meetings:

- ⇒ Thursday, March 15—education event, Studio 96, Progressive Discovery Center, Mayfield Village
- ⇒ Thursday, June 7—quarterly meeting, Crowne Plaza Cleveland South, Independence
- ⇒ Thursday, September 13—quarterly meeting, Crowne Plaza Cleveland South, Independence
- ⇒ Thursday, December 6—quarterly meeting, Crowne Plaza Cleveland South, Independence

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

## NEODBUG Treasurer's Report

NEODBUG's year-end financial report for 2017 is listed below. We started 2017 with a net worth of \$11,544.50.

### ASSETS

Money Market Account	\$ 559.32	
PayPal Account	\$ 0.00	
Checking Account	\$ 8,223.24	
<b>TOTAL</b>		<b>\$ 8,782.56</b>

### LIABILITIES

Membership Prepayment	\$ 0.00	
<b>TOTAL</b>		<b>\$ 0.00</b>

### NET WORTH

**\$ 8,782.56**

### 2017 INCOME

April Education Meeting	\$ 15,154.00	
June Meeting	\$ 680.00	
September Meeting	\$ 540.00	
December Meeting	\$ 1,180.00	
Corporate Memberships	\$ 1,535.00	
Interest	\$ 1.36	
Membership Prepayment	\$ 360.00	
<b>TOTAL</b>		<b>\$ 19,450.36</b>

### 2017 EXPENSE

April Education Meeting	\$ 12,030.40	
June Meeting	\$ 2,587.67	
September Meeting	\$ 2,210.85	
December Meeting	\$ 3,946.95	
PayPal Expenses	\$ 98.51	
Website/Overhead	\$ 1,337.92	
<b>TOTAL</b>		<b>\$ 22,212.30</b>

### NET INCOME

**(\$ 2,761.94)**

In 2017, NEODBUG had a net loss of \$2,761.94. This was due to increased hotel, meeting and website costs.

Corporate membership invoices will be mailed to the contact person at each company. Contact and mailing list names (including e-mail addresses) are on the back of the invoice and need to be filled out and returned with the invoice so we can keep our newsletter mailing database current.

If your contact person does not receive an invoice by 2/15/2018, please call me at 440-878-7483 or e-mail me so I can e-mail you a replacement. Memberships will be late and will increase if received after 03/15/2018. Corporate memberships provide attendees a discount for each NEODBUG event, so please be diligent in sending them in.

Alan P. Solnick  
Treasurer

**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
01/26/2018	Northeast Ohio Oracle Users Group (NEOOUG) business meeting—Richfield, OH <a href="http://www.neoooug.org">www.neoooug.org</a>
02/03/2018	SQL Saturday #708—Westlake, OH <a href="http://www.sqlsaturday.com/708/eventhome.aspx">www.sqlsaturday.com/708/eventhome.aspx</a>
02/11-16/2018	The Data Warehouse Institute (TDWI) Conference—Las Vegas, NV <a href="http://www.tdwi.org">www.tdwi.org</a>
02/27/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
03/05-08/2018	Gartner Data & Analytics Summit—Grapevine, TX <a href="http://www.gartner.com">www.gartner.com</a>
03/06/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
03/11-16/2018	SHARE in Sacramento—Sacramento, CA <a href="http://www.share.org">www.share.org</a>
<b>03/15/2018</b>	<b>NEODBUG education event with Susan Lawson—Mayfield Village, OH <a href="http://www.neodbug.org">www.neodbug.org</a></b>
03/19-22/2018	IBM Think—Las Vegas, NV <a href="http://www.ibm.com">www.ibm.com</a>
03/27/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
03/27/2018	International DB2 Users Group (IDUG) DB2 Data and Analytics Technical Summit—Bengaluru, India <a href="http://www.idug.org">www.idug.org</a>
03/29/2018	IDUG DB2 Data and Analytics Technical Summit—Chennai, India <a href="http://www.idug.org">www.idug.org</a>
04/03/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
04/22-27/2018	Enterprise Data World—San Diego, CA <a href="http://edw2018.dataversity.net">edw2018.dataversity.net</a>
04/23-25/2018	Percona Live: Open Source Database Conference—Santa Clara, CA <a href="http://www.percona.com">www.percona.com</a>
04/24/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
04/29-05/03/2018	IDUG DB2 Tech Conference—Philadelphia, PA <a href="http://www.idug.org">www.idug.org</a>
04/30-05/02/2018	Gartner Tech Growth & Innovation Conference—San Diego, CA <a href="http://www.gartner.com">www.gartner.com</a>
05/01/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
05/06-11/2018	TDWI Conference—Chicago, IL <a href="http://www.tdwi.org">www.tdwi.org</a>
05/16-17/2018	Great Lakes Oracle Conference (NEOOUG)—Cleveland, OH <a href="http://gloc.neoooug.org">gloc.neoooug.org</a>
05/22/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
06/05/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
<b>06/07/2018</b>	<b>NEODBUG quarterly meeting—Crowne Plaza, Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a></b>
06/26/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
07/03/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
07/24/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
08/05-10/2018	TDWI Conference—Anaheim, CA <a href="http://www.tdwi.org">www.tdwi.org</a>
08/07/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
08/12-17/2018	SHARE in St. Louis—St. Louis, MO <a href="http://www.share.org">www.share.org</a>
08/27-31/2018	International Conference on Very Large Data Bases—Rio de Janeiro, Brazil <a href="http://www.vldb.org">www.vldb.org</a>
08/28/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
09/04/2018	Ohio North SQL Server User Group—Independence, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>
<b>09/13/2018</b>	<b>NEODBUG quarterly meeting—Crowne Plaza, Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a></b>
09/24-28/2018	Microsoft Ignite—Orlando, FL <a href="http://ignite.microsoft.com">ignite.microsoft.com</a>
09/25/2018	Ohio North SQL Server User Group—Akron, OH <a href="http://ohionorth.sqlpass.org">ohionorth.sqlpass.org</a>

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