

NEODBUG

E L E C T R O N I C

Newsletter of the Northeast Ohio Database Users Group

Susan Lawson's "Application and SQL Design for Performance" March 24

NEODBUG is pleased to announce that our next special education meeting will be **TUESDAY, March 24, 2015**, when internationally-known DB2 expert **Susan Lawson** will present a day of training on the topic "**Application and SQL Design for Performance**".

This presentation will cover many alternatives to our normal applications in order to achieve performance. Many techniques to minimize overhead and locking will be explored. It will also take a look at techniques coding efficient SQL and minimizing the amount of data we bring back to process in our applications via optimal predicates, less repetition and better use of indexes. It will also look at recent release features in DB2 that can be exploited to achieve best performance.



Technical Areas:

- Discuss objectives for high performing applications
- Discuss importance of DB2 call reduction
- Discuss significance of SQL filtering and index usage
- Discuss how to minimize application contention and overhead
- Discuss various options with recent release features

Objectives:

- High performing applications
 - What makes an application perform
 - What kills application performance
- DB2 and SQL call reduction
 - How to reduce calls
 - Features to exploit
- SQL filtering and index usage
 - Predicate stages
 - Promoting predicate
 - Identifying statistics to collect
- Explains and dynamic SQL cache
 - Using additional explain information
 - Utilizing the dynamic SQL cache
- Minimizing application contention and overhead
 - Locking reduction
 - Lock avoidance
 - Bind parameters
- 10 and 11 features
 - Using new features to improve performance
 - Exploiting new SQL code, additional Explain tables



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PROGRESSIVE

Progressive Insurance employees need to register for this education event via their IT University system, (code "IX0150", course name "NEODEBUG DB2 Training Event") not the link below.

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Register for the meeting at www.neodbug.org/2_1/register.html

(Continued from page 1) Susan Lawson

Susan Lawson is an internationally recognized consultant and lecturer with a background in system and database administration. She currently works with several large clients to help develop, implement and tune some of the worlds' largest and most complex DB2 databases and applications. She also performs performance and availability audits for many clients to help reduce costs through proper performance tuning and to help ensure availability. Her other activities include authoring articles and white papers, presenting at user group meetings, and teaching a variety of DB2 courses. She is an IBM GOLD Consultant for DB2 and z/Series, and an IBM Information Champion and has authored the IBM "DB2 for z/OS V8 DBA Certification Guide" and the IBM "DB2 for z/OS V7 Application Programming Certification Guide". She is also the co-author of several DB2 books including the IBM "DB2 10 for z/OS DBA Certification Guide", IBM "DB2 9 for z/OS DBA Certification Guide", "DB2 High Performance Design and Tuning" and "DB2 Answers". She is also a SME(subject matter expert) for the IBM certification exams for DB2 z/OS Database and System Administration, assisting with writing and verifying questions for the exams. Her website is www.ylassoc.com.

The cost of this class is the same as last year's education event: \$199 in advance, \$225 at-the-door for employees of NEODBUG member companies and \$225 in advance, \$250 at-the-door for employees of non-member companies. 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 \$20 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 Bonnie Baker 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 sign 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. Lunch and all educational materials (on paper for this event) will be provided. Remember—this class is on a TUESDAY, not our usual Thursday event.

Register for the event using the red link at the bottom of this page. Hope to see you March 24!

DB2 Websites/Blogs You Need to Visit

(from "DB2 News", www.kbce.com)

IBM Electronic Support - My Notifications

Did you know you can keep up-to-date with problems and software changes for both DB2 z/OS and DB2 LUW (and DB2 Connect)? If you go to <https://www.ibm.com/support/mynotifications> (login with your IBM ID) then you can sign-up to have the notifications send to you by email or saved in some other way. A free service by IBM! Spot the problems before they spot you! ;-)

IBM Knowledge Center

This is the new home for IBM product documentation. You can customize the IBM Knowledge Center to design the experience that you want with the technology, products, and versions that you use and by creating your own collection of documents. You can also interact with IBM and with your colleagues by sharing through email, LinkedIn, or Twitter or by adding comments to topics.

<http://www.ibm.com/support/knowledgecenter/>

You can also download all DB2 manuals in pdf format. Pretty handy if you are on the move. You can find the z/OS documentation here: <http://www.ibm.com/support/docview.wss?uid=swg27019288> and the LUW documentation here: <http://www.ibm.com/support/docview.wss?uid=swg27009474>

Register for the meeting at www.neodbug.org/2_1/register.html

Chairman's Corner By Michael James

I hope all of you had a great holiday season. This year it was especially difficult for me to come back after vacation—I have retired from my job and am trying to find out what I will do in my second career.

The Browns are not in the playoffs again and we lost our last 5 games! We have a new offensive coordinator coming in, though—it's like déjà vu all over again. The Cavs? We are an up & coming team waiting to happen. We are expected to win the Eastern Conference. It is a nice mix of rookies and experienced players. And, of course, LeBron James is back and he brought some friends! Now, we can only hope for the best. Then winter begins with a blast and just keeps coming! The good news? Spring training is starting soon for the Indians in sunny Arizona.

Once again, I feel honored to be returning as a member of the Board of Trustees and Chairman of NEODBUG for 2015. I want to thank the members of the 2014 Board of Trustees for all of their hard work. We welcome Frank Fella from Progressive to the 2015 Board, and say goodbye to Tim Brown. We are blessed with a group of dedicated Board members who are willing to donate their time to bring these training events to the North Coast.

2014—the Year in Review

For our February special educational meeting, we brought back Bonnie Baker on her retirement tour. Bonnie presented the class *"V10 of DB2 for z/OS for Developers"* at the brand-new Studio 96 facility of Progressive Insurance's Discovery Training Center. Special thanks to Progressive for the use of the facility.

In May, our speakers were Ken McDonald of BMC Software (*"Recent Changes in DB2 for z/OS Logging"* and *"DB2 11 Expanded RBA/LRSN – Does This Bit Make My Tail Look Big?"*) and David Simpson of Themis returned to NEODBUG to present a double session on *"DB2 for z/OS - SQL for the 21st Century: Overlooked Enhancements"*.

In August, we heard from Dave Beulke, who presented *"SQL Considerations for a Big Data 22 Billion Row Data Warehouse"* and *"Big Data Disaster Recovery Performance"*. Sheryl M. Larsen of IBM gave us *"DB2 11 for z/OS is Great! Why Should You Care?"* and *"Using DB2 Performance Structures Optimally"*.

November's meeting brought us four speakers: Mark Rader of IBM presented *"DB2 for z/OS: Data Sharing Technical Deep Dive"* and *"DB2 10 and 11 Optimizer Update"*. Mike Wingfield of Compuware joined us to talk about *"Mainframe DB2 for z/OS Performance & Tuning"*. And Bob Vargo and Mike Tobe of Progressive gave a member company talk on *"DB2 Data Sharing Member Consolidation"*. We want to thank Compuware for sponsoring this meeting's breakfast.

From The Board of Trustees

This year, NEODBUG will continue to set low quarterly meeting fees—\$20 in advance, \$30 at-the-door for employees of member companies, \$30 in advance, \$40 at-the-door for employees of non-member companies. Our quarterly meetings will continue to be held at the Crowne Plaza Hotel in Independence, except our educational meeting in March. Membership invoices have gone out to company representatives—we hope you will encourage your company to be a NEODBUG member—the commitment helps our bottom line in the early part of the year and employees receive discounts to our events.

Speaking of events, I hope you all are planning to attend our 2015 special education event with Susan Lawson presenting *"Application and SQL Design for Performance"* on TUESDAY, March 24. Read more about the event in our cover story of this newsletter.

If you have any comments about our programs or anything else, please email the Board of Trustees at info@neodbug.org to share your thoughts and suggestions.

Hope to see you on March 24!

Register for the meeting at www.neodbug.org/2_1/register.html

NEODBUG Treasurer's Report

NEODBUG's year-end financial report for 2014 is listed below. We started 2014 with a net worth of \$11,789.60.

ASSETS

Money Market Account	\$ 7,554.84
PayPal Account	\$ 638.70
Checking Account	\$ 2,372.19

TOTAL \$ 10,565.73

LIABILITIES

Membership Prepayment	\$ 0.00
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TOTAL \$ 0.00

NET WORTH

\$ 10,565.73

2014 INCOME

Corporate Memberships	\$ 1,275.00
March Education Meeting	\$ 23,052.70
May Meeting	\$ 430.00
August Meeting	\$ 1,190.00
November Meeting	\$ 1,010.00
Interest	\$ 8.54
Membership Prepayment	\$ 180.00

TOTAL \$ 27,146.24

2014 EXPENSE

March Education Meeting	\$ 18,527.35
May Meeting	\$ 2,551.37
August Meeting	\$ 3,270.81
November Meeting	\$ 3,027.89
Web-site/Overhead	\$ 992.69

TOTAL \$ 28,370.11

NET INCOME

(\$ 1,223.87)

In 2014, NEODBUG had a net loss of \$1,223.87. This was due mostly to the Board's decision to continue our reduced registration fees for the three regular meetings and increased hotel and website costs.

Corporate membership invoices have been 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 has not yet received your invoice, please call me at 440-878-7483 or e-mail me so I could e-mail you a new one. Memberships will be considered late and will increase in price if received after 04/01/2015. Corporate memberships provide you a discount, so please be diligent in sending them in.

Alan P. Solnick
Treasurer

Register for the meeting at www.neodbug.org/2_1/register.html

Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
02/03/2015	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
02/22-27/2015	The Data Warehouse Institute (TDWI) Conference—Las Vegas, NV www.tdwi.org
03/01-06/2015	SHARE in Seattle—Seattle, WA www.share.org
03/03/2015	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
03/24/2015	Northeast Ohio Database Users Group (NEODBUG) special education meeting with Susan Lawson—Progressive Studio 96, Mayfield Village, OH www.neodbug.org
03/27/2015	Northeast Ohio Oracle Users Group (NEOOUG) business meeting—Independence, OH www.neoooug.org
03/29-04/03/2015	Enterprise Data World Conference and Expo—Washington, DC edw2015.dataversity.net
04/04-08/2015	International DB2 Users Group (IDUG) DB2 Tech Conference—Philadelphia, PA www.idug.org
04/07/2015	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
04/12-16/2015	COLLABORATE 15—Las Vegas, NV (Independent Oracle Users Group—IOUG) (OAUG) www.ioug.org www.oaug.org
04/20-22/2015	PASS Business Analytics Conference—Santa Clara, CA www.sqlpass.org
04/26-28/2015	Big Data Techcon—Boston, MA www.bigdatatechcon.com
05/03-08/2015	TDWI Conference—Chicago, IL www.tdwi.org
05/04-08/2015	IDUG DB2 Tech Conference—Philadelphia, PA www.idug.org
05/05/2015	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
05/19-20/2015	Great Lakes Oracle Conference—Cleveland, OH www.neoooug.org
05/21/2015	NEODBUG quarterly meeting—Crowne Plaza, Independence, OH www.neodbug.org
06/02/2015	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
06/08-12/2015	Data Governance & Information Quality Conference—San Diego, CA www.debtechint.com/dgiq2015
07/26-31/2015	TDWI Conference—Boston, MA www.tdwi.org
08/20/2015	NEODBUG quarterly meeting—Crowne Plaza, Independence, OH www.neodbug.org
09/15-18/2015	IDUG DB2 Tech Conference—Melbourne, Australia www.idug.org
09/18/2015	NEOOUG business meeting—Independence, OH www.neoooug.org
09/20-25/2015	TDWI Conference—San Diego, CA www.tdwi.org
10/26-29/2015	IBM Insight 2015 (formerly Information On Demand)—Las Vegas, NV www.ibm.com
11/13/2015	NEOOUG business meeting—Independence, OH www.neoooug.org
11/19/2015	NEODBUG quarterly meeting—Crowne Plaza, Independence, OH www.neodbug.org

Register for the meeting at www.neodbug.org/2_1/register.html