

NEODBUG

E L E C T R O N I C

Newsletter of the Northeast Ohio Database Users Group

Chairman's Corner: By Michael James

Imagine that it's July (all right, almost August). It has been too hot to get out on the golf course yet this year because the grass is all brown from the lack of rain, the ground is so hard that your drives go an extra twenty yards! I think I could get used to this drought. The Cavaliers have made another blockbuster signing - just kidding! We'll see if they get Varajao and Pavlovic re-signed...and NEODBUG is holding our next quarterly meeting on Thursday, August 16, 2007. It will be at the Doubletree Cleveland South (formerly the Cleveland Hilton South) in Independence. Even though we are in the "lazy days of summer", our agenda committee has not been laying around. 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.



August, 2007 issue
www.neodbug.org

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We will start the first half of the day with Paul Wirth. He is a Senior Data Management Technical Sales Specialist with IBM Corporation located in Grand Rapids, Michigan. Paul has been involved in database administration and storage management for the past twenty years. Over the years Paul has worked in database administration with IMS, DB2 and Oracle. Paul has also worked extensively with enterprise storage subsystems for both Open Systems and z/OS. Paul is no stranger to NEODBUG, having presented two topics at our May, 2007 quarterly meeting.

Paul's presentation for this meeting is titled: **"DB2 Connections to DB2 for z/OS"**. The purpose of this presentation is to provide an "end-to-end" overview of distributed connections to DB2 for z/OS. Given that distributed transactions cross many different business organizations, gaining an understanding of the "big picture" of a distributed transaction is difficult. The goal of this presentation is to provide a high level view of distributed transactions and to try and de-mystifying the behavior of DB2 for z/OS distributed workloads. This presentation is targeted for Database Administrators, Application Developers and Systems Programmers.

Outline:

- DB2 clients - Review the DB2 runtime clients and client deployment tools
- DB2 Connect - connection pooling, connection concentrator and the Java type-4 driver
- DB2 for z/OS and distributed connections - thread pooling and thread parameters
- DB2 for z/OS and connection resources - capacity planning for threads on DB2 for z/OS
- z/OS Workload Manager - Workload Manager and DB2 threads, also zIIP processors and DDF
- DB2 Connect considerations
- DB2 Connect tips

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NEODBUG Treasurer's Report

By Alan Solnick

The following are the current figures for NEODBUG as of July 11, 2007.

ASSETS

Checking Account	\$ 4,455.81
Money Market Account	\$ 4,007.51
Savings Account	\$ 2,079.83
Projector	\$ <u>2,089.10</u>
Total Assets	\$ 12,632.25

LIABILITIES

Membership Prepayment	\$ <u>690.00</u>
Total Liabilities	\$ 690.00

NET WORTH **\$ 11,942.25**

We had a good turnout for our May 17th meeting with 46 paid attendees from 16 companies.

The following companies/ individuals have sent in their Corporate or Individual Memberships. **If you don't see your company name there, you will have to pay the higher, non-Membership registration fees at the upcoming quarterly meeting.** Those that prepaid to send members to NEODBUG meetings have the number of remaining coupons next to their names. **The coupons expire 12/31/2007:**

Companies/ Individuals that have paid memberships:

Allstate Insurance	
Antares Management Systems	(2 Coupons left)
Betz Consulting, LTD	(3 Coupons left)
Bridgestone/ Firestone	
Susan Birgeles	(3 Coupons left)
BMC Software	
Dominion CCS	(3 Coupons left)
Erie Insurance	
JoAnn Stores	
KeyBank	
Lovell Leverette	
National City Bank	(3 Coupons left)
Parker Hannifin	(3 Coupons left)
Phil Sherman	(2 Coupons left)
S&P Solutions	(2 Coupons left)
Sherwin Williams	(2 Coupons left)

Letter FROM the Editor By Jim Szabo

Baseball, Hot Dogs, Apple Pie and...NEODBUG?

IBM's DB2 Connect product holds an interesting position in DB2's topology: it can be implemented at the client and/or gateway server and/or application server level, and usually has split responsibility within an organization for installation and tuning. As a mainframe DBA, I wasn't sure what all the "tuning knobs" were for. While my company had many DBAs and application staff certified on DB2, there was no one that was a certified DB2 Connect specialist. I am looking forward to having Paul Wirth unlock the mysteries of this product.

DB2's dynamic statement cache really improves the performance of applications based on dynamic SQL. The trick is to know that your cache is sized properly and doing the job. Bill Arledge will tell us more.

These days, it seems that the IT staff is spending all of its time satisfying its auditors, with reports and documented procedures. Are you doing it the best way? Henry Parnell can tell you.

Our meeting offers a wealth of information to many roles in the database hierarchy - how about bringing your boss, your auditor and your security administrator to our NEODBUG August meeting?

August 16, 2007 Meeting Agenda

- | | |
|---------------|--|
| 8:30 - 9:00 | Registration |
| 9:00 - 9:15 | Opening Remarks
- Michael James, NEODBUG Chairman |
| 9:15 - 10:30 | "DB2 Connections to DB2 for z/OS" Part 1
- Paul Wirth, IBM Corporation |
| 10:30 - 10:45 | Break |
| 10:45 - 12:00 | "DB2 Connections to DB2 for z/OS" Part 2
- Paul Wirth, IBM Corporation |
| 12:00 - 1:00 | Lunch |
| 1:00 - 2:15 | "Dynamic SQL and the Dynamic Statement Cache"
- William Arledge, BMC Software |
| 2:15 - 2:30 | Break |
| 2:30 - 4:00 | "The Three Best Approaches to Database Security & Data Auditing: Strengths and Weaknesses"
- Henry Parnell, Lumigent Technologies |
| 4:00 - 4:15 | Closing Remarks, Door Prizes
- Michael James, NEODBUG Chairman |

DoubleTree Hotel Cleveland South
6200 Quarry Lane
Independence, OH 44131
(216) 447-1300

Our second presentation for the day (after lunch) is from William Arledge of BMC Software. He will present **“Dynamic SQL and the Dynamic Statement Cache.”** Dynamic SQL is being used more and more in DB2 shops around the world. Multiple factors are driving this increase in usage. As with most DB2 options, dynamic SQL offers potential benefits as well as new management challenges. This technical session begins with a brief overview of SQL tuning followed by a more detailed discussion on managing and tuning dynamic SQL. Finally, we'll discuss the dynamic statement cache, a DB2 feature that can help address dynamic SQL performance issues.

Bill Arledge is an IT veteran with 33 years experience across a variety of roles, including application development and database administration. Bill's database experience began in the late 1970's as an IMS DBA and developer. He began working with DB2 in 1984 as a database specialist at IBM. He worked with DB2 throughout the late eighties, consulting with numerous IBM customers on existing and planned DB2 implementations. Bill is a technical product manager responsible for BMC's DB2 performance management products. In that capacity, he continues to consult extensively with BMC DB2 customers and works closely with BMC's research and development organization to drive product direction.

To wrap up our day, Henry Parnell will speak about **“The Three Best Approaches to Database Security & Data Auditing: Strengths and Weaknesses.”** Managing a diverse database environment can be difficult, and a growing list of regulations – SOX, PCI, HIPAA, etc. – only adds to the complexity. To deal with this demanding environment, you need a way to handle database security, privileged user access, privacy, and security policy management. No single technology provides a solution for every requirement. This presentation will discuss the alternative technological solutions that can potentially be used to collect reliable audit trail data on the operations of a DBMS system with a discussion of the strengths and weaknesses of each approach. The alternative selected can greatly affect the depth of information that can be collected as well as the possibility of meeting regulatory compliance requirements without adversely impacting the DBMS system. This presentation will help to demystify the data auditing landscape, will compare each possible data collection approach as well as enumerate the capabilities needed by an enterprise class database auditing solution. The presentation is intended for CISOs, managers and directors of IT/IS, DBAs and security professionals working in Linux, UNIX and Windows environments.

Henry Parnell is a Solutions Architect with Lumigent Technologies, the maker of the leading database auditing software solution Audit DB. In this role he has worked with many of Lumigent's largest customers advising on and helping to plan large scale deployments of Audit DB. Henry has more then

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Upcoming Database Events

Date	Organization	City
08/06-10/2007	Sybase TechWave 2007	Las Vegas, NV
08/16/2007	NEODBUG quarterly meeting	Independence, OH
08/19-24/2007	The Data Warehouse Institute (TDWI) - Summer 2007	San Diego, CA
09/18-21/2007	Professional Association for SQL Server (PASS) Community Summit	Denver, CO
09/19/2007	Business Intelligence & BPM Conference	Milan, Italy
10/14-18/2007	IBM Information On Demand Global Conference 2007	Las Vegas, NV
10/28-11/02/2007	TDWI - Fall 2007	Orlando, FL
10/29-11/07/2007	BMC Software UserWorld	Vancouver, BC Canada
11/05-09/2007	IDUG Europe 2007	Athens, Greece
11/11-15/2007	Oracle OpenWorld	San Francisco, CA
11/15/2007	NEODBUG quarterly meeting	Independence, OH
05/18-22/2008	IDUG North America 2008	Dallas, TX

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20 years of experience with successful DBMS industry startup organizations, acting in Product Management, Development and Service Delivery roles.

* * *

It sounds like a full day of information that will prove to be of great use to all of us. 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 (50) 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 2008.
- 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.

* * *

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.

* * *

...Now that I'm finally on the links, I just made a hole-in-one on the 16th at Firestone or was that Pebble Beach (haha). No, I am the new point guard for the CAVs (or is it Cavaliers) and I am looking to pass the ball to LeBron or Larry... They just got me under the salary cap after the two restricted free agent signings at just over \$25 a game. Oh my! I must be dreaming because they would never pay me THAT much.....

See all of you at the meeting!

Michael P. James
NEODBUG Chairman

NEW DB2 BLOG

IBM Systems Magazine is hosting a new blog called DB2utor.

You can reach this blog from <http://ibmsystemsmag.blogs.com/db2utor/> .

Please stop by and check it out. Leave me some comments.

The focus of the blog is DB2 on z/OS with emphasis on new features in DB2 V9.

If you have any topics you would like to see covered please send me an email on it.

Troy Coleman, Softbase Systems troy.coleman@SOFTBASE.COM



**Searching for the perfect application software can be like wondering in a wasteland.
You keep looking around, but you can't find anything!**

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 - 24x7 Application Support Services
 - Applications Development

If you would like more information about our Applications Development Services or other specialized services from S&P Solutions, Inc., please call us at **(440) 918-9111/(800) 978-9113**, visit our website at www.sps-solutions.com or email us at sales@sp-solutions.com.



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Registration Form

NEODBUG Quarterly Meeting
THURSDAY, August 16, 2007 9am-4:30pm
DoubleTree Inn Cleveland South
6200 Quarry Lane, Independence, OH

R.S.V.P: Checks and registration forms are encouraged to be sent early due to limited seating.

Cost: If your company is a member of NEODBUG: \$30.00 pre-registration or \$40.00 at the door.
If your company is not a member of NEODBUG: \$40.00 pre-registration or \$50.00 at the door.

Yes, I will be attending the quarterly meeting; a check for \$ _____ is enclosed for a total of _____ reservations.

YOUR NAME _____ TITLE _____

PHONE & EMAIL ADDRESS _____

In addition to myself, the following persons will be attending:

NAME	TITLE	PHONE & EMAIL ADDRESS
_____	_____	_____
_____	_____	_____
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_____	_____	_____
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_____	_____	_____
_____	_____	_____

Company Name: _____

Company Address: _____

Email this form to neodbug@sps-solutions.com to notify us of your intent to attend, then postal mail this form and your check (payable to NEODBUG) no later than August 10, 2007, to:

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