



# NEODBUG

ELECTRONIC NEWS:

August 2004

Official Newsletter of the Northeast Ohio Database User Group

## CHAIRMAN'S CORNER

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Imagine that it's July (alright, August). It has been too wet or hot to get out on the Golf Course yet this year and your golf clubs are getting rusty in the trunk. The Cavaliers have made another blockbuster trade: Carlos Boozer for?????? And NEODBUG is holding our next quarterly meeting on Thursday, August 19, 2004. It will be at the Cleveland Hilton South in Independence. Our agenda committee did another spectacular jog of finding speakers for the meeting with some very interesting topics.

We will start the day with Daniel Luksetich for Yevich, Lawson & Associates. He will be making two presentations. The first one is "DB2 for z/OS Stored Procedures." Stored procedures on DB2 for OS/390 have evolved significantly with every new release of DB2. Today, with version 7, there is a significant amount of power, management, and flexibility provided with this powerful feature. This presentation covers the various reasons why stored procedures should be used, as well as provide some insight into what resources are available to the stored procedures, and how they are managed. Details about how a stored procedure is defined, administered, and the effect of parameter styles are also presented. Changes to stored procedures for version 8 are also presented.

Daniel's second presentation is called: "Really Cool SQL." This presentation focuses on DB2 table expression for DB2 on all platforms. Table expressions can be utilized to construct some extremely powerful SQL statements that can eliminate the need to code complex application programs. Nested table expressions, correlated and scalar subqueries, and recursive SQL are explained. Utilizing correlated table expressions for performance is also explained. Real world examples demonstrate how SQL statements that run in 5 minutes can eliminate application programs that run for days!

Daniel is an internationally recognized consultant, educator, presenter, database administrator, and application developer, focusing primarily on the IBM DB2 database product on all platforms. Daniel has 14 years DB2 experience, most of which has been spent working 8 hours per day at customer locations, building and tuning high performance, highly available DB2 systems on the OS/390, and AIX Platforms. His experience includes extensive work within the following disciplines: Performance Tuning, Disaster Recovery, Net.Data, Complex SQL, Database Design (including VLDB), Stored Procedures and User Defined Functions. He routinely works on databases that are larger than one terabyte in size, and processing millions of requests per day

(both OS/390 and AIX platforms). Daniel is an IBM Certified Advanced Technical Solutions Expert in DB2 Database Administrations, DB2 Application Programming, and Data Replication, and was recently named a top ten speaker at the IDUG Europe Conference.

After lunch, we have Joe Huang, from IBM presenting: "DB2 Version 8 Get Diagnostics." Joe was born in Taiwan, and emigrated from Taiwan to the US and eventually attended Cornell University, earning a Bachelor of Arts degree in Computer Science and Economics in 2000, and a Masters of Engineering degree in Computer Science in 2001. He joined IBM DB2 UDB for z/OS Development in January 2001 immediately after graduation and has been working with DB2 ever since.

His first assignment was to join the Access Path Selection sub-component of DB2 Relational Database Services (RDS) component, focusing on optimizing query parallelism. He later transferred to another sub-component of DB2 RDS, Executives, which coordinates all SQL processing within DB2.

With the advent of new functional support in DB2 UDB for z/OS V8 for multi-row FETCH and INSERT, long object names, and extended DRDA hopping, users need more and improved result information about SQL statement execution and diagnostics. The SQL Communication Area (SQLCA) has long been the standard for returning to the user basic diagnostic information about SQL statement execution. However, the SQLCA is of a fixed size and is very limited in its capability to track all of the relevant diagnostic information that users now require in a more sophisticated application environment. A new standard communication area is thus required, not only to retain the information from the original SQLCA, but also to return the new information needed for usage of the new DB2 V8 functions. The new SQL statement GET DIAGNOSTICS provides this new standard communication area.

*continued on page 2*

## INDEX

|                    |     |
|--------------------|-----|
| Chairman's Corner  | 1-2 |
| Treasurer's Report | 3   |
| Advertising        | 4   |
| Upcoming Events    | 5   |
| Registration       | 6   |

Imagine an array of SQLCA's capable of recording a history of warnings and errors during the execution of an SQL statement. That is what GET DIAGNOSTICS provides. For non-atomic multi-row INSERT, or multi-row FETCH with CONTINUE-ON-ERROR option, multiple warnings and/or errors can be returned for the rows inserted or fetched by one SQL statement. GET DIAGNOSTICS not only stacks the multiple warnings and errors returned for the SQL statement, but also provides a way to query those stacked warnings and errors to service the multi-row request.

Imagine an array of distributed Application Server information tracking all of the remote sites that were visited during the execution of an SQL statement. That is what GET DIAGNOSTICS provides. With the improved remote hopping support in DB2 V8, it becomes increasingly more important to record the Application Servers visited, as well as, at which servers the errors occur.

Imagine an array of SQLCODE conditions with SQLCA tokens that are not truncated. With the newly supported long name tokens, object names can now be as long as 128 bytes, while the longest token supported by SQLCA is 70 bytes. With GET DIAGNOSTICS, tokens in their full length are stored and can be queried.

With GET DIAGNOSTICS, more information can now be kept to track the history of events, which can greatly help on the serviceability of the user applications. With its flexible design, GET DIAGNOSTICS is easily adaptable to support new and better functions of future DB2 UDB for z/OS releases.

Finally, we have Troy Coleman from Softbase talking about: "A Data Privacy Roadmap - How to Build and Deploy a Successful Data Privacy Project." Troy is currently a sales engineer for SoftBase Systems. He has extensive experience in all facets of database systems development, including systems analysis and design, database and system administration, data analysis and application development. He has experience on many leading hardware platforms including DB2 UDB for OS/390, z/OS, NT, AIX, Solaris, and LINUX. Troy was the architect and lead developer of the first wireless database management software for DB2 UDB, "PocketDBA" by Expand Beyond Corp. He is an internationally recognized consultant and lecturer, specializing in DB2 database administration and application architecture. Troy is a former adjunct professor teaching database management systems for Concordia University River Forest. Currently, he is an officer and Webmaster for the Midwest Database User Group.

This presentation explains how companies can successfully plan and implement Data Privacy projects in their organizations. The following topics will be discussed in detail:

- Overview of Data Privacy legislation affecting businesses today
- Construction of a Data Privacy plan - how to design a strategy to meet all your organization's Data Privacy requirements
- Deployment of Data Privacy plans - how to ensure everyone follows the rules

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 2005.

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. There's no need to be uncomfortable. See you there!!!! ...Now that I'm finally on the Links, I just made a hole-in-one on the 16th at Firestone (Haha). Or was it at the Adventure Golf? No, I am the new point guard for the CAVs (or is it Cavaliers) and I am looking to pass the ball to LeBron...

Michael P. James  
Chairman

# NEODBUG

## Members of the Board of Trustees for 2004:

**Kirk Bailey**  
**Carmen Rosa**

**Jim Budka**  
**Philip Sherman**

**Barry Noble**  
**Jason Sperko**

**Chairman - Michael James • Vice Chairman - Bill Moran**  
**Secretary - Jim Szabo • Treasurer - Al Solnick**

By this time the Primary Contact at each member company should have received the invoice for 2004 corporate dues. If you have not received these, please contact either Al Solnick or myself to get one. There is only ONE Primary Contact for each member company. **All checks for either Annual Membership Dues or Quarterly Meeting Fees must be made out to:**

**NEODBUG**  
**35000 Chardon Rd., Suite 200**  
**Cleveland, OH 44094**

# TREASURER'S REPORT

## TREASURER'S REPORT

The following are the current figures for NEODBUG as of July 2, 2004:

### ASSETS

|                  |                     |
|------------------|---------------------|
| Checking Account | \$ 14,073.26        |
| Savings Account  | 1,971.30            |
| <b>TOTAL</b>     | <b>\$ 16,044.56</b> |

### LIABILITIES

|                       |                  |
|-----------------------|------------------|
| Membership Prepayment | \$ <u>600.00</u> |
|-----------------------|------------------|

NET WORTH \$ 15,444.56

We had a fair turnout for the May 20<sup>th</sup> meeting with 35 attending from 19 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 meetings. Those that prepaid to send members to NEODBUG meetings have the number of remaining coupons next to their names. The coupons expire 12/31/2004:

Companies/ Individuals that have paid memberships:

|                             |                  |
|-----------------------------|------------------|
| Allstate Insurance          |                  |
| Alltel Information Services | (2 Coupons Left) |
| Antares Solutions           | (2 Coupons Left) |
| Bendix CVS LLC              | (2 Coupons Left) |
| BMC Software, Inc.          |                  |
| Bridgestone/ Firestone      |                  |
| Dominion CCS                | (2 Coupons Left) |
| Erie Insurance              |                  |
| JoAnn Stores                |                  |
| Key Bank                    |                  |
| National City Bank          | (3 Coupons Left) |
| Ohio Mutual Insurance Group | (3 Coupons Left) |
| Parker Hannifin             |                  |
| Phil Sherman                | (2 Coupons Left) |
| Progressive Insurance       | (2 Coupons Left) |
| S&P Solutions               | (1 Coupons Left) |
| Sherwin Williams            | (1 Coupons Left) |
| Tiburon Technologies        |                  |
| Westfield Insurance         |                  |

Al Solnick  
NEODBUG Treasurer





**Are you getting the information you need out of your Data Warehouse? Is your Data Mart really a Data Dinosaur because no one uses it or is it answering the wrong questions?**

Whether you need to create a corporate data warehouse or a data mart for a particular functional area, S&P Solutions, Inc. (SPS) can assist in the design, development and implementation of your corporate Data Warehouse, Data Mart or ODS to insure that it can give your users the answers you need from your data in an efficient manner.

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# UPCOMING EVENTS



| Dates              | Organization   | City                   |
|--------------------|--|------------------------|
| 8/08 - 08/13/2004  | TDWI World Conference – Fall 2004  | San Diego, CA          |
| 08/15 - 08/19/2004 | Share  | New York, NY           |
| 08/15 - 08/19/2004 | Sybase TechWave 2004   | Orlando, FL            |
| 8/19/2004          | NEODBUG Quarterly Meeting  | Independence           |
| 09/13 - 09/14/2004 | IDUG 2004 – Technical Symposium  | Toronto, Canada        |
| 9/19 - 09/24/2004  | IBM Data Management Technical Conference   | Las Vegas, NV          |
| 09/28- 10/01/2004  | 2004 PASS (SQL Server) Community Summit  | Orlando, FL            |
| 09/19 - 09/24/2004 | IBM Data Management Technical Conference, including DB2 & BI Conference, Informix Users Conference | Las Vegas, NV          |
| 10/11 - 10/14/2004 | IDUG 2004 - Europe   | Prague, Czech Republic |
| 10/31 - 10/05/2004 | TDWI World Conference – Fall 2004  | Orlando, FL            |
| 11/18/2004         | NEODBUG Quarterly Meeting  | Independence           |
| 5/22/2005          | IDUG North America 2005  | Denver, CO             |
| 9/11/2005          | IBM DB2 Information Management Technical Conference  | Orlando, FL            |
| 05/07 - 05/11/2006 | IDUG North America 2006  | Tampa Bay, FL          |
| 05/06 - 05/10/2007 | IDUG North America 2007  | San Jose, CA           |

## NEODBUG Quarterly Meeting

August 19th 2004

### AGENDA

|               |  |                              |
|---------------|--|------------------------------|
| 8:30 – 9:00   | Registration   |                              |
| 9:00 – 9:10   | Opening Remarks  | Michael James                |
| 9:10 – 10:40  | “DB2 for z/OS Stored Procedures”   | Daniel Luksetich – YLA, Inc. |
| 10:40 – 10:50 | Break  |                              |
| 10:50 – 12:00 | “Really Cool SQL”  | Daniel Luksetich – YLA, Inc. |
| 12:00 – 1:00  | Lunch  |                              |
| 1:00 – 2:30   | “DB2 Version 8 Get Diagnostics”  | Joe Huang – IBM Corporation  |
| 2:30 – 2:45   | Break  |                              |
| 2:45 – 3:45   | “A Data Privacy Roadmap - How to Build and Deploy a Successful Data Privacy Project” | Troy Coleman – SoftBase      |
| 3:45 – 4:00   | Closing Remarks/Door Prizes  | Michael James                |

# REGISTRATION FORM

NEODBUG Quarterly Meeting

August 19th 2004

Hilton Cleveland South, 6200 Quarry Lane, Independence, Ohio 44131  
(216) 447-1300

R.S.V.P: Checks and registration forms are encouraged to be sent early due to limit 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 special meeting; a check for \$ \_\_\_\_\_ is enclosed for a total of \_\_\_\_\_ reservations.

\_\_\_\_\_  
YOURNAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
PHONE & EMAIL ADDRESS

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

\_\_\_\_\_  
GUESTNAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
PHONE & EMAIL ADDRESS

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

**Mail this form and your check payable to NEODBUG**

**no later than August 16th 2004 to:**

**NEODBUG  
35000 Chardon Rd.  
Suite 200  
Cleveland, OH 44094**

