

NEODBUG

E L E C T R O N I C

Newsletter of the Northeast Ohio Database Users Group

Year-End Sale! Quality Database Education for Only \$20!

Don't dismiss this newsletter as another advertising flier for holiday shopping deals—NEODBUG brings you an opportunity to close 2017 by getting more information that will help you in your job: on Thursday, December 7, we are pleased to present *Craig Mullins of Mullins Consulting* and *Ulf Heinrich of SEGUS & Software Engineering GmbH* at the Crowne Plaza Cleveland-South in Independence.

Craig will be presenting two topics for us in the morning; the first is *"It's Not Your Daddy's DB2"*.

DB2 for z/OS is always changing, adding more features and functionality... and discarding old stuff, too. If you are still using DB2 the same way you did 20 years ago, or even 10 years ago, you are probably doing things wrong! This presentation takes a look at how things are changing, not just with DB2, but also with IT and the industry. It is delivered in two parts: first looking at industry and DBA trends, and then looking at some of the specific changes made in the past few versions of DB2 that should impact how you use DB2. Topics include:



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www.neodbug.org
info@neodbug.org

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- * Industry & DBA Trends
 - * Data Growth - Big Data & Analytics
 - * IoT, Mobile, Distributed
 - * Less downtime, fewer DBAs, more work
 - * Autonomics
- * DB2 Modernization
 - * Database Design
 - * UTS, unstructured data/LOBs, hashing, HTAP
 - * Security
 - * SECADM, Roles/TRUSTED CONTEXT, Improved audit, MLS/SECLABEL, Row Permissions, Column masks
 - * Development trends
 - * Dynamic SQL, IDEs, web
 - * New SQL: time travel, OLAP, recursion
 - * Some Guidance

Our morning continues with Craig's second topic: *The Top Ten DB2 Things You Need to Know: For DBAs and Developers*.

There is a veritable boatload of information and details about DB2 for z/OS available to you. But can you digest all of it? Wouldn't it be nice if you could focus on the things that were the most important for you to know instead of wading through thousands of pages of manuals, web pages, and presentations? This session will distill the essence of what you need to know into the top ten most important issues for the two biggest categories of DB2 users: application programmers and database administrators. This presentation offers the following:

- * A count down the top ten most important things you need to know

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

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- * Uncovers what is most important for DBA, developers, and managers to understand about DB2 for z/OS
- * Helps you to understand the hierarchy of DB2 performance tuning objectives

This presentation will help you can master the specific topics that are the most important for your specific job, whether it is administering DB2 effectively or writing efficient DB2 applications. Now isn't that worth an hour of your time?



Craig Mullins is president & principal consultant of Mullins Consulting, Inc. He has over three decades of experience in all facets of database systems development including developing and teaching DB2 and SQL classes, systems analysis and design, database and system administration, and data analysis and modeling. He has worked with DB2 on the mainframe since Version 1 and has experience working with other database technology including Microsoft SQL Server, Oracle, Sybase and IMS. Craig last spoke to NEODBUG in November of 2012.

After lunch and a short NEODBUG business meeting ([see here](#)), Ulf Heinrich will present the first of his two topics: *25 Years of Missed Opportunities? SQL Tuning Revisited*.

The definition of madness is to keep doing the same thing and expecting a different outcome. Find out how to stop the madness. There are many low-hanging fruits within easy grasp of anyone tasked with tuning their systems. But how do you know what is dangling within reach if you can't see it? Find out how a modern DB2 z/OS SQL warehouse can collect and store all executed static and dynamic SQL (plex-wide) with basically no overhead.

By comparing SQL statements side-by-side, the "easy pickings" will immediately become apparent. But why stop there? Experts can effortlessly dig deeper and find the totally hidden gems: disc problem detection, delay detection, never executed SQL, SQL timeline. Precisely pinpoint specific areas to target and get the most out of your DB2 system – while reducing costs.

- * Tuning SQL – how we always done it
- * Single SQL, package, application
- * Tuning SQL – year 2004 – ACCESS PATH comparison and simulation
- * Tuning SQL Revisited – A new methodology
- * Harvesting the low hanging fruit

To close our day, Ulf will relate to us about *Db2 z/OS Lies, Damn Lies, and Statistics* .

The need for statistics and, above all else, accurate statistics is more important than ever in the Db2 world of today.

- * Db2 RUNSTATS basics & catalog tables and columns used for access path
- * IBM recommendations through the ages : from Db2 V3 to Db2 12
- * Db2 RUNSTATS advanced
- * SYSCOLDIST explained
- * RUNSTATS real world Q&A : use of SAMPLE, COLGROUP, PROFILE, REOPT (ONCE), TABLESAMPLE SYSTEM, HISTOGRAM, ...
- * RUNSTATS reversal

Ulf Heinrich is the Director of Solutions Delivery at Software Engineering GmbH. He specializes in Db2 recovery issues and database maintenance, focusing on the growing requirement for cost reduction and 24x7 operations. As a consultant at large customer sites, he has implemented database maintenance procedures and recovery strategies, and also experienced the pitfalls of recovery scenarios under real-world recovery pressure. His activities cover EMEA, as well as North America through SE' U.S. subsidiary, SEGUS Inc. He's involved in the development of SE' maintenance and recovery solutions. This is Ulf's first speaking engagement with NEODBUG.

So join us for an informative day Thursday, December 7. And you don't have to giftwrap it!

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

NEODBUG Treasurer's Report

Here are the current financials for NEODBUG as of October 6, 2017.

ASSETS

PayPal	\$ 0.00
Checking Account	\$ 6,621.57
Money Market Account	\$ 5,559.19

Total Assets \$12,180.76

LIABILITIES

Membership Prepayment \$ 100.00

Total Liabilities \$ 100.00

NET WORTH \$12,080.76

We had a very good turnout for the September 14th meeting with twenty-eight paid attendees from eleven 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 12/31/2017:

Companies/ Individuals that have paid memberships:

BMC Software	(1 coupon left)
Erie Insurance	(2 coupons left)
Jim Szabo	
Key Bank	
Medical Mutual	(2 coupons left)
Parker Hannifin	
Progressive Insurance	
Westfield Insurance	

Al Solnick
Treasurer

NEODBUG Business Meeting/Election

As per NEODBUG's bylaws, an annual membership meeting is held for the purpose of electing Trustees to the Board and conducting other business. This meeting will be held right after lunch at our December 7 quarterly meeting.

Any attendee of the December meeting is eligible to vote. A slate of candidates for Trustee will be distributed at the meeting.

If you have any suggestions for NEODBUG, please express them during the time allotted.

In the past ten years, the size of the Board of Trustees has shrunk from twelve to eight, mostly due to retirements. NEODBUG needs some new blood! If you are interested in contributing your ideas to the direction of the organization, we'd love to have you! Send an email about your interest to info@neodbug.org by November 20, 2017. Send us your phone number and a current Board member will call you back, to explain the responsibilities and answer any of your questions.

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

December 7 Meeting Agenda

8:30 - 9:00	Registration	
9:00 - 9:15	Opening Remarks	
9:15 - 10:30	It's Not Your Daddy's DB2	Craig Mullins Mullins Consulting
10:30 - 10:45	Break	
10:45 - 12:00	The Top Ten DB2 Things You Need to Know: For DBAs and Developers	Craig Mullins Mullins Consulting
12:00 - 1:00	Lunch/Networking	
12:00 - 1:00	NEODBUG Business Meeting/Board of Trustees Election	
1:15 - 2:30	25 Years of Missed Opportunities? SQL Tuning Revisited	Ulf Heinrich SEGUS & Software Engineering
2:30 - 2:45	Break	
2:45 - 4:00	Db2 z/OS Lies, Damn Lies, and Statistics	Ulf Heinrich SEGUS & Software Engineering
4:00 - 4:15	Closing Remarks/Door Prizes	

Crowne Plaza - Cleveland South
5300 Rockside Road
Independence, OH 44131

Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
10/31-11/03/2017	Professional Association for SQL Server (PASS) Summit—Seattle, WA www.sqlpass.org
11/06-08/2017	International DB2 Users Group (IDUG) & IBM Data Tech Summit—San Jose, CA www.idug.org
11/07/2017	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
12/03-08/2017	The Data Warehouse Institute (TDWI) Conference “Data Futures 2018”—Orlando, FL www.tdwi.org
12/05/2017	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
12/07/2017	NEODBUG quarterly meeting—Crowne Plaza, Independence, OH www.neodbug.org
01/02/2018	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
02/06/2018	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
02/11-16/2018	TDWI Conference—Las Vegas, NV www.tdwi.org
03/05-08/2018	Gartner Data & Analytics Summit—Grapevine, TX www.gartner.com
03/06/2018	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
04/03/2018	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
04/22-27/2018	Enterprise Data World—San Diego, CA edw2018.dataversity.net
04/29-05/03/2018	IDUG DB2 Tech Conference—Philadelphia, PA www.idug.org
05/01/2018	Ohio North SQL Server User Group—Independence, OH ohionorth.sqlpass.org
05/06-11/2018	TDWI Conference—Chicago, IL www.tdwi.org
08/27-31/2018	International Conference on Very Large Data Bases—Rio de Janeiro, Brazil www.vldb.org
11/04-08/2018	IDUG Europe/Middle East/Asia (EMEA) Tech Conference—Malta www.idug.org

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