

NEODBUG

E L E C T R O N I C

Newsletter of the Northeast Ohio Database Users Group

NEODBUG "Presents": December 6 Quarterly Meeting

It seems like the holiday shopping season starts earlier and earlier - did I see Santa's head popping out of store displays *in September??!*

"Presents" are things we run around this time of year trying to find. But the homonym is also a verb, as NEODBUG "presents" *Steen Rasmussen of CA Technologies* and *Haakon Roberts of IBM* at our next quarterly meeting, Thursday December 6.

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NEODBUG is happy to welcome back Steen Rasmussen, who will give our morning program. His first topic will be *"What's New in the Temporal World of Db2"*.

The Temporal Table design was introduced in Db2 10 and there were quite a few restrictions. Some of these were lifted in Db2 11 and Db2 12 has lifted more – but the temporal design has really started to be adopted by Db2 itself, so we will cover the restrictions removed using live examples as well as a detailed walkthrough of how the Db2 engine itself is starting to offer this functionality and predictions for the future.

- Basics before news
- Include / Exclude / Include
- Referential Integrity - how does it all work
- RTS autonomies - No more need to offload RTS on a periodic basis
- Catalog prep for autonomic auditing

After a short morning break, Steen will continue with the presentation *"Proactive Performance Management Using Analytics"*.

Understanding "the normal behavior" of the Db2 applications (static as well as dynamic SQL) can be a challenge, but using existing performance metrics and baseline these could put you in a situation where you can take action before the SLA's are violated and even save you a lot of headaches in the "war room" finger pointing.

- Is the Green Highway really green and what is it?
- Why baselining?
- Static versus dynamic baselines pros and cons
- Moving average and electric rules – what's happening with DB2
- Avoiding War Room meetings and finger pointing

Steen Rasmussen is a Sr. Engineering Services Architect currently instrumental in the ongoing development and support of the CA Technologies Db2 tools. In 1985, Steen started as an IMS/Db2 DBA at a major insurance company in Denmark working with all aspects of DB2-tuning, application design and implementation, education of developers, backup and recovery planning and automation of housekeeping processes. Steen



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

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has been working with Db2 for z/OS since 1985 and is always looking for new opportunities in the CA Db2 solutions which can help customers manage Db2 more efficiently. Besides providing support to the teams in the field as well as internal groups at CA Technologies working with Db2, Steen is also a frequent speaker at IDUG in North America, EMEA and Australia as well as local Db2 user groups around the world. Steen last spoke to NEODBUG in August of 2016.

* * *

Right after lunch and networking, NEODBUG will conduct its annual meeting, where a slate of candidates will be proposed to the membership for Board of Trustees for 2019. In addition, if you have any questions or comments about NEODBUG, feel free to express them then.

* * *

Haakon Roberts' first afternoon presentation for us will be *"Db2 Utilities: The Very Latest Developments"*.

Db2 for z/OS utilities is an area of intense and continuous development, delivering many significant functional, performance and availability enhancements outside of V12. This session will focus on the very latest improvements that you can take advantage of today, even in V11.

Haakon's second presentation of the day has the somewhat-cryptic title *"PBR RPN and Other V12 Availability Enhancements"*.

You've probably heard of PBR RPN (partition-by-range relative page numbering) in Db2 12 and how it's now possible to store 4 petabytes of data in a single Db2 table. But the real benefit of RPN is how it improves availability and creates a foundation for future improvements in Db2. This session will explain why we delivered RPN in 12, how it works, what the benefit is and how to get there. We'll also look at other significant availability improvements delivered in V12 and after.

Haakon Roberts has over 30 years' experience working with Db2 on the mainframe platform covering various aspects of systems programming, database administration, software development and support. He is a Distinguished Engineer at the IBM Silicon Valley Laboratory in San Jose, California and the chief technical architect and strategist for Db2 for z/OS Utilities and Tools. He leads high performance teams that have been responsible for the transformation of the competitive landscape and the management of database systems. He is an expert on problem management and resolution and is the technical lead for the worldwide service organization for Db2 for z/OS. He holds several patents and is the recipient of a number of IBM Outstanding Technical Achievement awards and conference best speaker awards. He is a leading expert in data integrity, availability, serialization techniques and problem resolution and speaks regularly on these and other topics. This is his first time speaking at NEODBUG.



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The NEODBUG Board of Trustees takes our responsibility for bringing you low-cost high-quality database-related education very seriously. So when we use the word "presents" (the verb), we hope you will plan on attending every one of our quarterly meetings and annual education event. The "presents" (the noun) you take from each of these will benefit you for years to come - and you don't have to return it!

Join us at the next quarterly meeting, Thursday December 6 at the Crowne-Plaza Cleveland South in Independence. The registration link is at the bottom of every page of this newsletter.

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

December 6, 2018 Quarterly Meeting Agenda

8:30 - 9:00	Registration	
9:00 - 9:15	Opening Remarks	
9:15 - 10:30	“What’s New in the Temporal World of Db2”	Steen Rasmussen CA Technologies
10:30 - 10:45	Break	
10:45 - 12:00	“Proactive Performance Management Using Analytics”	Steen Rasmussen CA Technologies
12:00 - 1:00	Lunch/Networking	
1:00 - 1:05	Business Meeting/Board of Trustees Election	
1:05 - 2:20	“DB2 Utilities: The Very Latest Developments”	Haakon Roberts IBM
2:20 - 2:30	Break	
2:30 - 3:45	“PBR RPN and Other V12 Availability Enhancements”	Haakon Roberts IBM
3:45 - 4:00	Closing Remarks/Door Prizes	
Location:	Crowne Plaza Cleveland South—Independence 5300 Rockside Rd. Independence, OH 44131 (216) 524-0700 www.ihg.com/crowneplaza/hotels/us/en/independence/clerr/hoteldetail	
Cost:	\$25—employees of NEODBUG member companies, advance registration \$35—others, advance registration \$35—employees of NEODBUG member companies, at-the-door \$45—others, at-the-door	
Payment:	Any credit card, if “PayPal” option specified when registering (if you have a PayPal account or not), or mail checks in advance to: NEODBUG P.O. Box 221331 Beachwood, OH 44122-0997	

Annual Education Event Announced for March 21, 2019

NEODBUG is proud to announce that our 2019 annual education event will be held on Thursday, March 21, 2019 at the Progressive Discovery Center Studio 96 in Highland Heights, Ohio.

Themis will be our presenter, and the topic will be about Db2 V12.

This is your opportunity to enjoy a full day of intense Db2 education from a nationally-known expert.

More information will come in our January newsletter, but make plans to attend now!

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 7, 2018.

ASSETS

PayPal	\$ 0.00
Checking Account	\$ 8,734.54
Money Market Account	\$ 5,047.58
Total Assets	\$13,782.12

LIABILITIES

Membership Prepayment	\$ 175.00
Total Liabilities	\$ 175.00
NET WORTH	\$13,607.12

We had a good turnout for the September 13th quarterly meeting with twenty-four 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 12/31/2018:*

Companies/ Individuals that have paid memberships:

BMC Software	
Erie Insurance	(4 Coupons left)
Jim Szabo	
Key Bank	
Medical Mutual	(3 Coupons left)
Parker Hannifin	
Progressive Insurance	
Westfield Insurance	

Al Solnick
Treasurer

Popular Database Software (www.g2crowd.com)

RELATIONAL	NOSQL	NON-NATIVE	BIG DATA
Db2	ArangoDB	Navicat Premium	Apache Pig
Microsoft SQL	CouchDB	phpMyAdmin	Cloudera
MySQL	Hbase	Robomongo	Google BigQuery
Oracle	MongoDB	Sequel Pro	Google Cloud Dataflow
PostgreSQL	Neo4j	SQL Developer	Hadoop HDFS
SAP HANA	Redis	Toad	Splunk Enterprise

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

Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
11/04-08/2018	International DB2 User Group (IDUG) Europe/Middle East/Asia (EMEA) DB2 Tech Conference—Malta www.idug.org
11/05-07/2018	Percona Live Europe: Open Source Database Conference—Frankfurt, DEU www.percona.com
11/06-09/2018	Professional Association for SQL Server (PASS) Summit—Seattle, WA www.sqlpass.org
11/11-16/2018	The Data Warehouse Institute (TDWI) Conference—Orlando, FL www.tdwi.org
11/13/2018	Ohio North SQL Server User Group (ONSSUG) Cleveland—Independence, OH ohionorth.pass.org
11/13/2018	Oracle Analytics Cloud Hand-on Workshop—Solon, OH www.oracle.com
11/14/2018	Oracle Analytics Cloud Hand-on Workshop—Columbus, OH www.oracle.com
11/15/2018	Oracle Analytics Cloud Hand-on Workshop—Cincinnati, OH www.oracle.com
11/20/2018	ONSSUG Akron-Canton—Akron, OH ohionorth.pass.org
11/30/2018	Northeast Ohio Oracle Users Group (NEOOUG) business meeting—Richfield, OH www.neoooug.org
12/06/2018	Northeast Ohio Database Users Group (NEODBUG) quarterly meeting—Crowne Plaza, Independence, OH www.neodbug.org
01/15/2019	ONSSUG Akron-Canton—Akron, OH ohionorth.pass.org
01/25/2019	NEOOUG business meeting—Richfield, OH www.neoooug.org
02/02/2019	SQL Saturday #821—Cleveland, OH www.sqlsaturday.com/821/eventhome.aspx
02/10-15/2019	TDWI Conference—Las Vegas, NV www.tdwi.org
02/12-15/2019	IBM Think—San Francisco, CA www.ibm.com
03/10-15/2019	SHARE in Phoenix—Phoenix, AZ www.share.org
03/17-22/2019	Enterprise Data World—Boston, MA www.enterprisedataworld.com
03/18-22/2019	PostgresConf 2019—New York, NY postgresconf.org/conferences/2019
03/21/2019	NEODBUG special education event—Progressive Studio 96, Highland Hts, OH www.neodbug.org
03/22/2019	NEOOUG business meeting—Richfield, OH www.neoooug.org
03/30/2019	SQL Saturday #827—Cincinnati, OH www.sqlsaturday.com/827/eventhome.aspx
06/02-07/2019	IDUG North America DB2 Tech Conference—Charlotte, NC www.idug.org
08/04-09/2019	SHARE in Pittsburgh—Pittsburgh, PA www.share.org
08/26-30/2019	International Conference on Very Large Data Bases—Los Angeles, CA www.vldb.org
09/15-19/2019	Oracle Open World—San Francisco, CA www.oracle.com
11/04-08/2019	Microsoft Ignite—Orlando, FL ignite.microsoft.com
11/05-08/2019	PASS Summit—Seattle, WA www.sqlpass.org

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