

NEODBUG

E L E C T R O N I C

Newsletter of the Northeast Ohio Database Users Group

“DB2 Advanced Programming, Automation, and Performance” class March 22

NEODBUG is excited to announce our 2016 education event: on Tuesday, March 22, we are presenting internationally-known DB2 expert Dan Luksetich in an all-day class entitled “DB2 Advanced Programming, Automation, and Performance”.

* * *

Both DB2 for LUW and DB2 for z/OS contain a set of advanced functionality that can provide significant programming and automation to applications. Application developers that understand these advanced features can take advantage of them to improve the flexibility and performance of their database applications. Centralizing application logic in the database engine can also make applications easier to develop and more portable. This one day seminar, which is beneficial to database administrators and application developers will introduce the attendee to the various advanced programming features of DB2 for z/OS and LUW that can be utilized to save development time and improve application and database performance. Within each subject area the advantages and disadvantages of the feature will be discussed as well as the performance implications. The subject areas include:



- Database Enforced Referential Integrity
- Table Check Constraints
- Sequence Objects and Identity Columns
- Statement Include Columns
- Stored Procedures
- User-Defined Functions
- User-Defined Data Types
- Triggers
- Large Objects
- Clone Tables
- Materialized Query Tables
- Temporal and Archive Tables
- XML Support
- JSON Support
- RDF Support

The responsibilities of creating, managing, utilizing, and documenting these objects typically spans areas and groups within an organization. This seminar will address these issues and offer guidance for managing the roles and responsibilities surrounding these advanced database features.

Dan Luksetich (LUCK-suh-tich) is a data scientist and senior DB2 DBA consultant. He works as a DBA, application architect, presenter, author and teacher. Dan has been in the information technology business for over twenty



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PROGRESSIVE
Progressive Insurance employees need to register for this education event via their IT University system, (course name “NEODBUG DB2 Training Event”) not the link below.

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

ty-nine years and has worked with DB2 for over twenty-four years. He has been a COBOL and BAL programmer, DB2 system programmer, DB2 DBA and DB2 application architect. His experience includes major implementations on z/OS, AIX, iSeries, Windows and Linux environments. He is a certified DB2 DBA for DB2 for z/OS and LUW, system administrator for z/OS and application developer, and has worked on the teams that have developed the DB2 for z/OS and LUW certification exams. He is the author of several DB2 related articles as well as the author of the Computer Associates *DB2 Performance Handbook*, co-author of the *DB2 9 for z/OS Certification Guide* and the I.

Dan is an IBM Gold Consultant, an IBM Champion for Data Management and the chairman of the International DB2 Users Group (IDUG) Content Committee.

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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.

* * *

Dan'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 education 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 22!

Top 10 Largest Databases in the World

Data owners (and their associated database management system vendors) like to crow about the fact that they have one of the world's largest databases. How do you measure it—is it items or number of terabytes?

Here's an article from 2010

(www.comparebusinessproducts.com/fyi/10-largest-databases-in-the-world) that chose their top ten:

1. World Data Centre for Climate
2. National Energy Research Scientific Computing Center
3. AT&T
4. Google
5. Sprint
6. ChoicePoint (now LexisNexis)
7. YouTube
8. Amazon
9. Central Intelligence Agency
10. Library of Congress

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

NEODBUG Treasurer's Report

NEODBUG's year-end financial report for 2015 is listed below. We started 2015 with a net worth of \$10,565.73.

ASSETS

Money Market Account	\$ 7,558.14
PayPal Account	\$ 0.00
Checking Account	\$ 4,446.68

TOTAL ASSETS \$ 12,003.82

LIABILITIES

Membership Prepayment	\$ 0.00
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TOTAL LIABILITIES \$ 0.00

NET WORTH \$ 12,003.82

2015 INCOME

Corporate Memberships	\$ 1,285.00
March Education Meeting	\$ 22,462.14
May Meeting	\$ 1,100.00
August Meeting	\$ 2,320.00
November Meeting	\$ 560.00
Interest	\$ 6.57
Membership Prepayment	\$ 360.00

TOTAL INFLOWS \$ 28,093.71

2015 EXPENSE

March Education Meeting	\$ 16,677.25
May Meeting	\$ 3,226.25
August Meeting	\$ 3,099.68
November Meeting	\$ 2,588.37
PayPal Expenses	\$ 169.41
Website/Overhead	\$ 894.66

TOTAL OUTFLOWS \$ 26,655.62

NET INCOME \$ 1,438.09

In 2015, NEODBUG had a net increase of \$1,438.09. This was due mostly to the income generated at our Special Education meeting and Compuware's generosity in sponsoring the August meeting's lunch.

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 send you one. Memberships will be late and will increase if received after 04/01/2016. Corporate memberships provide employees a discount to our meetings, so please be diligent in sending them in.

Alan P. Solnick
Treasurer
alan.solnick@medmutual.com

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

Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
01/28-29/2016	Big Data Innovation Summit—Las Vegas, NV theinnovationenterprise.com
01/29/2016	Northeast Ohio Oracle Users Group (NEOOUG) business meeting—Independence, OH www.neoooug.org
01/31-02/05/2016	The Data Warehouse Institute (TDWI) Conference—Orlando, FL www.tdwi.org
02/02/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
02/28-03/04/2016	SHARE in San Antonio—San Antonio, TX www.share.org
03/01/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
03/22/2016	NORTHEAST OHIO DATABASE USERS GROUP (NEODBUG) EDUCATION EVENT W/DAN LUKSETICH—PROGRESSIVE DISCOVERY CENTER, MAYFIELD VILLAGE, OH WWW.NEODBUG.ORG
04/01/2016	NEOOUG business meeting—Independence, OH www.neoooug.org
04/05/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
04/10-14/2016	COLLABORATE 16—Las Vegas, NV (International Oracle Users Group) (Oracle Applications Users Group) collaborate.ioug.org
04/17-22/2016	Enterprise Data World—San Diego, CA edw2016.dataversity.net
04/18-20/2016	PostgreSQL Conference US—New York, NY www.pgconf.us/2016/
04/18-21/2016	Percona Live Data Performance Conference—Santa Clara, CA www.percona.com
04/19-21/2016	DB2 Symposium—Veldhoven, Netherlands www.db2-symposium.com
05/02-04/2016	PASS Business Analytics Conference—San Jose, CA www.sqlpass.org
05/03/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
05/08-13/2016	TDWI Conference—Chicago, IL www.tdwi.org
05/09-13/2016	Microsoft Ignite—Chicago, IL ignite.microsoft.com
05/12/2016	NEODBUG QUARTERLY MEETING—CROWNE PLAZA, INDEPENDENCE, OH WWW.NEODBUG.ORG
05/18-19/2016	Great Lakes Oracle Conference—Cleveland, OH www.neoooug.org/gloc
05/24-27/2016	International DB2 Users Group (IDUG) North American DB2 Tech Conference—Austin, TX www.idug.org
06/07/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
06/27-07/01/2016	Data Governance & Information Quality Conference—San Diego, CA www.debtectint.com
07/05/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
07/31-08/05/2016	SHARE in Atlanta—Atlanta, GA www.share.org
08/02/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
08/18/2016	NEODBUG QUARTERLY MEETING—CROWNE PLAZA, INDEPENDENCE, OH WWW.NEODBUG.ORG
09/2016	IDUG Australasia DB2 Tech Conference—Sydney, Australia www.idug.org

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

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09/05-09/2016	International Conference on Very Large Data Bases—New Dehli, India www.vldb.org
09/06/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
09/18-22/2016	Oracle Open World—San Francisco, CA www.oracle.com
09/30/2016	NEOOUG business meeting—Independence, OH www.neooug.org
10/02-07/2016	TDWI Conference—San Diego, CA www.tdwi.org
10/04/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
10/23-27/2016	IBM Insight 2016—Las Vegas, NV www.ibm.com
10/24-28/2016	Professional Association for SQL Server (PASS) Summit—Seattle, WA www.sqlpass.org
11/08/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
11/10/2016	NEODBUG QUARTERLY MEETING—CROWNE PLAZA, INDEPENDENCE, OH WWW.NEODBUG.ORG
11/11/2016	NEOOUG business meeting—Independence, OH www.neooug.org
11/13-18/2016	IDUG European/Middle East/Africa (EMEA) DB2 Tech Conference—Brussels, Belgium www.idug.org
12/04-09/2016	TDWI Conference—Austin, TX www.tdwi.org
12/06/2016	Ohio North SQL Server User Group—Independence, OH www.ohionorthsqlserverug.org
01/27/2017	NEOOUG business meeting—Independence, OH www.neooug.org

NEODBUG Presentation Archive

You can utilize the presentation archive on the NEODBUG website (www.neodbug.org/2_1/presentations.html) to see presentations that were given at our quarterly meetings. In 2015, that included:

- Application-enabling Features of DB2 10 and 11 for z/OS—Charles Lewis, IBM (05/2015)
- DB2 11 for z/OS Migration Overview—Charles Lewis, IBM (05/2015)
- Stop Wasting Time With Utilities!—Jim Dee, BMC (05/2015)
- Explain Yourself and Improve DB2 Performance!—Jim Dee, BMC (05/2015)
- Time Travel Queries and Temporal Data Storage—What You Need to Know—Dan Luksetich, DanL Consulting (08/2015)
- Understanding Query Transformation in DB2 for z/OS—Dan Luksetich, DanL Consulting (08/2015)
- DB2 Performance & Tuning (it's all about the SQL!)—Mike Wingfield, Compuware (08/2015)
- DB2 z/OS Text Search at Westfield Insurance—Mike Smith, Westfield (08/2015)
- Customer Experience: Solving an Intermittent DB2 Problem with System Profile Monitoring—Mike Rader, IBM (11/2015)
- Large Memory: Boosting DB2 for z/OS Performance—Mark Rader, IBM (11/2015)
- DB2 for z/OS Utilities Update—Terri Kemmer, IBM (11/2015)
- Test Data Management Concepts & Methods—Kai Stroh, ESAi (11/2015)

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