

# WDUG Journal

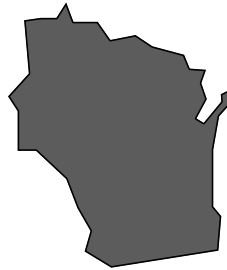
Volume 21, Number 2

November 2011

## Wisconsin DB2 User's Group

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### Special Thanks

A special thanks to the following for their contributions to the continued success of WDUG!

MGIC - Meeting Name Tags  
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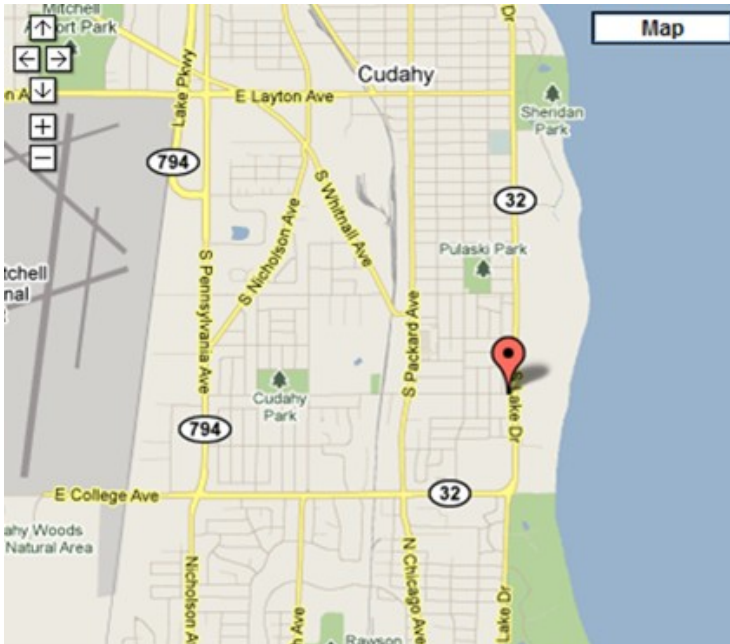
## MEETING ANNOUNCEMENT

**Date:** *Wednesday, December 7, 2011*

**Note:**

Cutoff date for pre-registration is **December 2nd.**

To register, respond online at [www.wdug.com](http://www.wdug.com), or send an email to [wdug@mgic.com](mailto:wdug@mgic.com).



### Location:

Aurora St. Luke's South Shore  
 5900 S. Lake Dr.  
 Cudahy, Wisconsin

### Directions:

Aurora St. Luke's South Shore is located in Cudahy on S. Lake Drive, just north of College Avenue. Exit I-94 at College Avenue and proceed east until College ends at Lake Drive. Then turn north. Turn left into parking lot. Use main entrance and look for signs for the meeting location. For a detailed map of the building and parking lot, and alternate routes due to possible road construction, see [www.wdug.com](http://www.wdug.com).

**Meeting Agenda – December 7, 2011**

	<b>DB2 for z/OS</b>	<b>DB2 for LUW</b>
8:30–9:00	<b>Registration</b> – Coffee, juice and rolls	<b>Registration</b> – Coffee, juice and rolls
9:00	<b>Welcome &amp; Elections</b>	
9:15 - 10:30	<b>IBM Announcements</b>	<b>IBM Announcements</b>
	<p><b>DB2 v9 / v10 z/OS performance /cost saving updates</b>  <i>John Tobler, IBM</i></p> <p>In this session, we will discuss the latest updates for system and application performance on IBM DB2 9 and DB2 10 for z/OS. Beginning with performance impact and tuning at the system and application level, with focus on field inquiries. This session will also cover DB2 10 for z/OS and its improved performance and scalability — including general CPU usage reduction and scalability, buffer management, and insert and select functionality — in addition to the reduction of virtual storage constraints. Other topics include improvements to DDF, JDBC, SQLPL and line-of-business performance. You'll also learn how DB2 v9 and DB2 v10 interact with IBM z10 and z196/114 processors.</p>	<p><b>Achieve Table Maintenance Within DB2-Online &amp; Efficiently</b>  <i>Maciej Mazur, IBM</i></p> <p>This session reviews the pros and cons of available reorganization (reorg) options and then discusses the new feature in IBM DB2 9.7 - online table move. We will discuss best practices to follow for achieving reorg using this utility, including strategies for how and when to take backups in order to maintain recoverability. Based on experiences with Norfolk Southern Corporation, this session discusses an optimal way to combine all the reorg options - when to use offline or online reorg, online table move and DB2s automatic reorg facility. We will also discuss options available with RUNSTATS to minimize its effect on user workload, including strategies to use sampling, throttling, statistics profiles and DB2s automatic RUNSTATS facility.</p>
10:30-10:45	<b>Break</b>	<b>Break</b>
10:45-12:00	<p><b>Looking Behind The Curtain of IBM DB2 for z/OS 10 Performance and Scalability Metrics and Storage Analysis</b>  <i>John Tobler, IBM</i></p> <p>Two primary focuses for DB2 for z/OS 10 are scalability and performance. In order to maximize the potential of DB2 for z/OS 10, an understanding of storage scalability metrics and DB2 statistics and transaction accounting is a must. This session will cover the critical metrics for maximizing scale and system stability, as well as storage instrumentation.</p>	<p><b>Demystifying Logging and Recovery in DB2 for Linux, UNIX and Windows</b>  <i>Maciej Mazur, IBM</i></p> <p>For many DBAs, how DB2 captures the changes to a database and uses that capture to recover from failures is a mystery. But because over 20% of the more than 100 configurable database configuration parameters are related to logging and recovery, it is important to understand how this works. In this session, you will learn about logging strategies, how to properly configure the most important parameters, and how to monitor the logging in your environment. Topics also include mirrored logging, infinite logging, parallel recovery, log archiving, types of recovery, and methods for limiting what gets logged.</p>
12:00-1:15	<b>Lunch</b> - on your own, cafeteria onsite	<b>Lunch</b> - on your own, cafeteria onsite
1:15-2:30	<p><b>Database Performance Discoveries and Recommendations</b>  <i>David Beulke, Dave Beulke and Associates</i></p> <p>One or a combination of zParms, database design and application coding techniques can cause performance issues such as: poor response time, scalability problems, and too many deadlocks or poor application performance. There are many new DB2 9 and DB2 10 techniques, system parameters, database design, and application coding methods to avoid problems and revitalized your older databases' performance. This presentation will take you through the discoveries found during recent performance reviews and you will learn about the latest recommendations for fixing your database and application performance problems.</p>	<p><b>Hadoop, IBM BigInsights, and Your Future – What you need to know to succeed</b>  <i>Michael Nobles, IBM</i></p> <p>Hadoop is one of the latest buzz words being thrown around these days. Do you know what it is? Have you seen it in action? How much time should you be devoting to learning it? What's the easiest path to "get there"?</p> <p>In this session, we will cover the basics of Hadoop, the technical underpinnings of Hadoop, how it compliments the other areas of Information Management you are potentially performing in your jobs today. You will also see a demo of IBM's Hadoop-based product and learn where to get free education and a free product trial to help you get started.</p>
2:30-2:45	<b>Break</b>	<b>Break</b>
2:45-4:00	<p><b>DB2 Temporal Database Performance Designs</b>  <i>David Beulke, Dave Beulke and Associates</i></p> <p>In this presentation, we will explore DB2 10 temporal data enhancements that automatically archive and version data into your history tables as the new business time and system time columns change. These capabilities along with the no overlapping of timestamps and the new handling of nulls provide great opportunities to streamline your designs for overall performance.</p> <p>You will learn how these enhancements can improve performance and change your operational database and data warehousing designs. Temporal data is going to be integrated into all future system designs. This presentation will show you design considerations and the best ways to implement temporal tables for achieving overall performance.</p>	<p><b>DB2 LUW Editions and DB2 Tools Overview</b>  <i>Jim Waddell, IBM</i></p> <p>Are you aware of and taking advantage of all the tools that comes with DB2? Learn the details on the different editions of DB2 for Linux, UNIX, and Windows and what is included. Features such as Replication, Federation, HADR, pureXML and all the DB2 feature packs including Performance Optimization, Advanced Access Control, Geodectic, Storage Optimization, Workload Management and pureScale will be reviewed. A quick overview of DB2 High Performance Unload, DB2 Merge Backup, DB2 Recovery Expert, Data Studio and Optim tools. Finally a review of the various DB2 data warehouse tools including Cubing Services, Intelligent Miner, Text Analytics, Design Studio and Mashup Center will be discussed. If you haven't heard of some these tools or are looking for a capability and not sure what tool provides it, be sure to attend this session.</p>

## *Calendar of Events*

### WDUG Quarterly Meetings

December 7, 2011 (Wed)  
Aurora St. Luke's South Shore,  
Cudahy

March 7, 2012 (Wed)  
AT&T, Waukesha

June 6, 2012 (Wed)  
TBD

September 12, 2012 (Wed)  
West Bend Mutual Insurance,  
West Bend

### WDUG Planning Meeting (all welcome)

January 31, 2012  
Contact any Board Member  
for info.

### For Additional DB2 Education

Click 'Education' on the WDUG website  
[WWW.WDUG.COM](http://WWW.WDUG.COM)

### IDUG Tech Conference North America 2012

May 14-18, 2012  
Denver, CO

### Information on Demand 2012

October 21-25  
Las Vegas - Mandalay Bay

## *Other News*

**Elections** are being held at the beginning of the December meeting for President, Secretary and Treasurer. Nominations may be given to any Board member or you can send an email to the WDUG mailbox.

12 people attended the WDUG **Special Event for DB2 on z/OS** with Susan Lawson on October 4th. Thanks to West Bend Mutual for hosting.

**Meeting Attendees.** 46 DB2 professionals attended our last meeting, which included 33 z/OS attendees and 13 LUW attendees.

**WDUG Membership** is 61 members strong! 18 LUW and 43 z/OS members.

Check out up-coming education at 'The DB2Night Show'  
**[www.DB2NightShow.com](http://www.DB2NightShow.com)**.

## *Meeting Registration Information*

A \$35 annual membership fee entitles you to a discounted meeting fee of \$10 per meeting—an annual savings of up to \$65!! (Nonmember meeting fee is \$35 per meeting). Membership privileges include placement on the WDUG mailing/e-mail list, voting rights at meetings, and eligibility for any promotions made available through the organization (e.g., Early Registration discount coupons for IDUG, subsidized lunches on meeting days, personal notification for WDUG special events/ classes ).

Meeting and membership fees can be paid at the door (cash or check only, no credit cards can be accepted).

For those who wish to prepay meetings for the year, an additional \$10 per meeting may be included with your membership application. In lieu of "corporate" memberships, we offer any member the opportunity to send a substitute to any meeting. We only ask that substitution information be provided when preregistering.

All members are requested to preregister for meetings either by e-mail ([wdug@mgic.com](mailto:wdug@mgic.com)) or web site ([www.wdug.com](http://www.wdug.com)) or calling the WDUG Hotline at (414) 347-4872. Members not preregistered for a meeting will be charged an additional \$5 at the door.

The WDUG Journal is published quarterly by the Wisconsin DB2 User's Group (WDUG), a non-profit association of DB2 users established to provide a mechanism for exchanging knowledge, experiences, and communication between members. Contributed articles, corrections, and announcements should be sent to the following address:

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Web site: [www.wdug.com](http://www.wdug.com)  
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TAXID#: 39-1720087

WDUG does not assume any responsibility for the accuracy of the information in the journal. Permission is granted to reproduce this or parts of the newsletter, but recognition to WDUG is appreciated. A four week notice is required for address changes.

## *Speakers*

**David Beulke** is an internationally recognized DB2 consultant, author and instructor. He is known for his extensive expertise in database performance, data warehouses and internet applications. He is currently a member of the IBM DB2 Gold Consultant program, an IBM Information Champion, past president of the International DB2 Users Group (IDUG), co-author of the IBM DB2 V8 and V7 z/OS Administration and the Business Intelligence Certification exams, former columnist for the IBM Data Management Magazine, a DB2 performance topics blogger at [www.davebeulke.com](http://www.davebeulke.com) and former instructor for The Data Warehouse Institute (TDWI). With over 25 years of experience working with mainframe, UNIX and Windows environments, he designs and tunes systems, databases and applications dramatically reducing CPU demand.

**Maciej Mazur** is a member of the IBM WW Information Management Technical Sales Team, providing DB2 technical and competitive insight to IBM customers and IBM technical and sales professionals world-wide. He is currently based out of the IBM Toronto Lab. Maciej previously worked within the User-Centered Design group of the DB2 development team, contributing to feature development in product areas such as High Availability and Disaster Recovery, Installation, and Performance Monitoring/Troubleshooting.

**Michael Nobles** has had some fun times in the software industry as he has been a part of all aspects of software development since 1992. Back in 2001, he started working in the area of Business Intelligence (BI) for all industries and joined IBM in 2004. More recently, Michael has added Hadoop, Big Data, and real-time BI to his areas of expertise. With IBM's products, named InfoSphere BigInsights and InfoSphere Streams, he is working to help the world, one company at a time, with their "data in motion" and "data at rest" challenges. As a Technical Pre-sales Professional, covering all of North America, on the IBM InfoSphere Warehouse, Advanced Warehousing Team with a focus on Big Data, Michael looks forward to helping his potential customers grow and succeed.

**John Tobler** is a senior developer and designer for DB2 for z/OS. He has worked extensively on instrumentation, agent services, and storage management. He has lead numerous projects focused on autonomics, serviceability, and performance. John has chaired the DB2 for z/OS Service Advisory Team and Design Review Board. He is currently oversees all development and design for the core engine components of DB2.

**James Waddell** has served IBM customers in a variety of roles over the last thirty years. He was a Systems Engineer calling on manufacturing customers for a decade, followed by a five year span as a Hospital Industry Specialist working with area hospitals to deploy the latest in computer technology. This included a special joint venture between IBM and GE Medical in which radiology information was digitized, stored, and sent throughout the Milwaukee County Medical Complex. The last fifteen years have been spent in the area of decision support and database related technologies. This includes DB2, DB2 Connect, Optim and Guardium. His current responsibility is software presales technical support for customers in the Wisconsin and Chicago area.

### *WDUG Board*

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\* Denotes Committee Chairperson

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\* See the web site ([www.wdug.com](http://www.wdug.com)) for details on the sponsor products and services.