



IBM Software Group

LAADB2UG

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DB2 I/T Specialist

6/5/2008

DB2. Data Management Software



June 5, 2008

Agenda

08:30 - Doors open for coffee and refreshments.

08:45 - IBM comments and announcements.

**09:00 - Craig Mullins on “A DB2 Performance Tuning Roadmap”
and “Database Trends 2008”**

12:00 – Lunch provided by ACSC



September 4, 2008

- **Next LAADB2UG Hosted by ???**
- **Guest Speaker: ???**



News



DB2 End of Service Dates

V8.x	DB2 Universal Database and DB2 Connect		April 30, 2009
V9.1	DB2 Universal Database and DB2 Connect		September 30 2011
V9.5	DB2 Universal Database and DB2 Connect		September 30 2013
V7	DB2 for OS/390		June 30, 2008
V8	DB2 for z/OS		TBA
V9	DB2 for z/OS		TBA
V8	IMS for z/OS		11/5/2008
V9	IMS for z/OS		TBA
V10	IMS for z/OS		TBA

IBM Support Assistant V4

- The Support Assistant allows you to:
 - Search for an answer to your question or problem in many different locations at the same time
 - Get speedy access to critical product information
 - Run free troubleshooting and diagnostic tools on your troublesome application
 - Shorten the amount of time it takes to resolve your problem with automated data gathering and submission
 - Organize your troubleshooting efforts and allow one-stop access to all your problem determination needs
- IBM Support Assistant version 4.0 enhancements include:
 - **Remote System Troubleshooting** - View the system inventory on remote systems
 - **Activity-based Workflow** - Guided Troubleshooter for step-by-step analysis.
 - **Case Management** - Organize your troubleshooting data in "cases"
 - **Improved Flexibility** - Custom search locations, get latest product news and updates
 - **Ease of Use** - The new user guides and wizards
- <http://www-306.ibm.com/software/support/isa/>

IBM Support Assistant V4

- **IBM Support Assistant V4.0 demo**
- ***June 10 and June 24, 2008***
- **Time: 2pm-3pm Central Daylight Time**
- **Conference call-in #: 1-888-336-3412**
- **Conference call-in password: 436477**
- **Web Conference Password: *isav4demo***
- **Web Conference Link:**
- **<https://www-1.ibm.com/collaboration/webconferences/center/meetingdetails.jsp?meetingId=150450CC0030DA95864C9A2C4CE1821A>**



IBM buys Solid Information Technology

- In-memory Database
- Full function SQL access
- High Availabiltiy - 99.9999%
- 3,000,000+ deployments worldwide
- Solid increased performance of DB2 by 40x
- Tables, views, indexes and sequences with no practical limits
- Broad support for dynamically controlled integrity constraints including primary and foreign keys

Events



Information on Demand 2008

- October 26 - 31, 2008
- Mandalay Bay Resort, Las Vegas, Nevada
- 200 Customer Speakers
- 120 Business Leadership sessions
- 600 Technical Skill Building sessions
- Meet the Experts
- Free Certification Testing
- Community Receptions
- Birds of a Feather
- Hands-on Labs
- Usability Sessions
- Developer Den
- Huge EXPO
- ftp://ftp.software.ibm.com/software/data/conf/2008_conference_justification.pdf

Register Now!
Early Bird
Special
Save \$200 until August 15



IDUG North America 2008

- May 18 - 22, 2008
- Dallas, TX
- Hyatt Regency Dallas
- **Early Bird Discount**

Register on or before April 18, 2008, and receive a *\$200 discount* on your conference registration.

- **Regional User Group Member Discount**

Members of DB2 and IMS regional user groups are eligible for an additional *\$50 discount* on the early bird registration rate. To redeem this discount, members must include a copy of the RUG Coupon, including the name of their Regional User Group, with their registration.

Learn



Wrapping Your Packages

- The Support Assistant allows you to:
- Discusses CPU utilization by packages related to two situations:
 - when a small number of short-running SQL statements out of many SQL statements in a large package are executed
 - when a set of short-running SQL statements out of many different packages are executed.
- Comparison between V7, V8 and V9
- <http://www.redbooks.ibm.com/redpieces/pdfs/redp4424.pdf>

Exciting News about LOBs in DB2 9 for z/OS

- Presentation on new features relating to LOBs in DB2 9 z/OS, and ways to use LOBs.
- Some other topics covered in this presentation are
 - file reference variable support in DB2 9,
 - LOB support in DB2 utilities,
 - Improved LOB handling for LOAD and UNLOAD in DB2 9.
- Some preliminary performance results are also discussed.
- <ftp://ftp.software.ibm.com/software/data/db2/zos/presentations/v9-new-function/lobs-iod-2006-weihsrauch.pdf>

Managing Enterprise Java Applications for DB2 UDB for z/OS

- Updated White Paper by Curt Cotner and Maryela Weihrauch
- Targeted to our DB2 for z/OS customers who are deploying Java™ Enterprise Database Applications and are looking for information about what IBM® and DB2 provides them for better management of these business-critical applications.
- http://www-1.ibm.com/support/docview.wss?rs=64&context=SSEPEK&dc=DA480&uid=swg27005333&loc=en_US&cs=utf-8&lang=en

Managing Enterprise Java Applications for DB2 UDB for z/OS

DISPLAY THREAD without the client accounting API:

```
-D71B DIS THREAD(*)
```

```
NAME ST A REQ ID AUTHID PLAN ASID TOKEN  
SERVER RA * 952 db2jccThread USRT001 DISTSERV 004A 11  
V445-G91E81C5.G49D.00F330EEE11F=122 ACCESSING DATA FOR 9.30.129.197
```

DISPLAY THREAD using the client accounting API:

```
-D71B DIS THREAD(*)
```

```
NAME ST A REQ ID AUTHID PLAN ASID TOKEN  
SERVER RA * 952 db2jccThread USRT001 DISTSERV 004A 432  
V437-WORKSTATION=9.30.129.202, USERID=SALLY,  
APPLICATION NAME=payment  
V445-G91E81C5.G49D.00F330DF7111=222 ACCESSING DATA FOR 9.30.129.197
```



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- http://www-1.ibm.com/support/docview.wss?rs=64&context=SSEPEK&dc=DA480&uid=swg27005333&loc=en_US&cs=utf-8&lang=en

DeveloperWorks DB2 for zOS Group

- One stop shopping for your development needs
 - DB2 for z/OS Exchange – Code Examples
 - DeveloperWorks Library
 - Forums
 - Redbooks
 - Links to blogs and other info

- http://www.ibm.com/developerworks/spaces/db2zos?S_TACT=105AGX11&S_CMP=LP

White Papers

- Introducing DB2 9: Application development enhancements
 - <http://www-128.ibm.com/developerworks/db2/library/techarticle/dm-0607ahuja/>
- Leveraging DB2 9 for z/OS pureXML technology
 - http://www-03.ibm.com/developerworks/wikis/download/attachments/1824/Leveraging_DB29_for_zOS_whitepaper_v1.pdf
- SQL and XQuery tutorial for IBM DB2: SQL and XQuery tutorial series for IBM DB2
 - <http://www.ibm.com/developerworks/db2/library/lp/sqlxquerytutorials.html>

White Papers

- Manage Microsoft Office 2007 documents with DB2 9 pureXML
 - <http://www.ibm.com/developerworks/db2/library/techarticle/dm-0705gruber/>
- Get started with Industry Formats and Services with pureXML
 - <http://www.ibm.com/developerworks/db2/library/techarticle/dm-0705malaika/index.html>



My Support

- The "My Support" page is not just for DB2 but for any IBM Hardware, Software or Services you may be interested in.
- 1. Register on IBM.COM. This is the same ID that you use to attend IBM Webinars. If you have never registered, go to:
<https://www-1.ibm.com/support/mysupport/us/en/>
- Select "**Register Now**"
- 2. If you are already registered, user IBM ID and Password to sign In.
<https://www-1.ibm.com/support/mysupport/us/en/>
- 3. Once you are signed in fill out your Profile to build your custom "My Support" page.
 - Select the "Add Products" to indicate the products you want to be informed about
 - Select the "Subscribe to Email" tab and select the type of information you want to be notified about.

DB2 Magazine

- The DB2 Magazine is a FREE resource available to you.
- You'll find many articles written by DB2 Experts from around the world.
- Including:
 - Curt Cotner
 - Roger Miller
 - Susan Lawson
 - Sheryl Larsen
 - Bonnie Baker
 - George Baklarz
 - Paul Zikopoulos
 - Dwaine Snow
 - Scott Hayes
 - Grant Hutchison
- You can even write an article yourself.
- To subscribe: <http://www.db2mag.com/subscribe>
- If you have subscribed in the past and are no longer getting the magazine delivered, then subscribe again and select RENEW.
- You can also subscribe to the DB2 E-Newsletter at: <http://www.db2mag.com/newsletter/>



Latest Redbooks

- Draft Redbook – DB2 for z/OS Administration Tools for Enhanced Change Management
- Draft Redbook – WebSphere Portal for z/OS Version 6
- Draft Redbook – Oracle to DB2 Conversion Guide
- Redbook - Securing DB2 and Implementing MLS on z/OS
- Redbook - DB2 Express-C: The Developer Handbook for XML, PHP, C/C++, Java and .NET
- Redbook – DB2 9 pureXML Guide
- Redbook – LOBs with DB2 for z/OS: Stronger and Faster
- Redbook – DB2 for z/OS and WebSphere: The Perfect Couple
- Redbook – Systems Programmer's Guide to Resource Recovery Services (RRS)
- Redbook – Disaster Recovery with DB2 UDB for z/OS

DB2 Web Sites

- IBM Software for z/OS
 - ▶ <http://www-306.ibm.com/software/os/zseries/>

- IBM Data Management Tools
 - ▶ <http://www-3.ibm.com/software/data/db2imstools/index.html>

- DB2 Information Management Software
 - ▶ <http://www-306.ibm.com/software/data/>

- developerWorks : Information Management
 - ▶ <http://www-128.ibm.com/developerworks/db2>

- DB2 for z/OS Library
 - ▶ <http://www-306.ibm.com/software/data/db2/zos/library.html>

- IBM Redbooks
 - ▶ <http://www.redbooks.ibm.com/>



DB2 Web Sites - Support

- APAR Search
 - ▶ <https://techsupport.services.ibm.com/server/zseries.srchBroker>
- Data Management Consulting
 - ▶ Health Check
 - ▶ High Availability Health Check
 - ▶ Data Management Tools Services Health Check
 - ▶ Security Health Check
 - ▶ <https://techsupport.services.ibm.com/server/services>
- DB2 Library
 - ▶ <http://www-306.ibm.com/software/data/db2/zos/library.html>

DB2 Products



DB2 V9.1 for z/OS

- DB2 V9.1 for z/OS GA on March 16, 2007
- This new version expands the value delivered to your business through innovations in key areas including:
 - ▶ pureXML for on demand applications
 - ▶ Optimization Service Center
 - ▶ Unparalleled security and resiliency for business critical innovations
 - ▶ Improved data warehousing capabilities
 - ▶ Enhanced SAP and ERP vendor support
 - ▶ Improved cost of ownership and reduction in administration costs

QMF V9.1 and DB2 Tools

- QMF V9.1 Enterprise Edition GA on March 16, 2007
- Unparalleled business productivity with:
 - ▶ Visual query building
 - ▶ Multiple format reporting solutions
 - ▶ Create virtual “information appliances”
 - ▶ Improved OLAP analytics by “dragging and dropping” visual data elements

DB2 Software Downloads

- <http://www-306.ibm.com/software/data/db2/zos/dld.html>
- Optimization Service Center for DB2 for z/OS ***NEW Release**
- Visual Explain
- DB2 Estimator for Windows
- DBRM Colon Finder
- Control Center for DB2

DB2 Tools

- Administration Tools
 - ▶ **DB2 Administration Tools**
 - ▶ DB2 Automation Tools
 - ▶ DB2 HP Unload
 - ▶ DB2 Object Comparison Tool
 - ▶ DB2 Utilities Suite
 - Application Management Tools
 - ▶ DB2 Bind Manager
 - ▶ DB2 Test Database Generator
 - ▶ DB2 Path Checker
 - ▶ DB2 Table Editor
 - ▶ DB2 Web Query Tool
 - Performance Management Tools
 - ▶ DB2 Buffer Pool Analyzer
 - ▶ DB2 Performance Expert
 - ▶ DB2 Performance Monitor
 - ▶ Omegamon
 - ▶ DB2 Query Monitor
 - ▶ DB2 SQL Performance Analyzer
 - Recovery and Replication Management Tools
 - ▶ DB2 Archive Log Compression
 - ▶ DB2 Change Accumulation
 - ▶ Webshere Information Integrator Replication for z/OS
 - ▶ DB2 Log Analysis Tool
 - ▶ DB2 Object Restore Tool
 - ▶ DB2 Recovery Expert for Multiplatform
 - ▶ DB2 Data Archive Expert Tool
- * New Enhancements

Whats New with DB2 Tools

- DB2 Connect Monitoring
- SQL Exception Alerting
- Exploitation DB2 V8 – More than Toleration
- Schema Evolution
- System and Application Database Recovery
- Queue Replication to increase availability, flexibility and minimize administration
- Data Archiving

DB2 Multiplatform Tools

- DB2 HP Unload ***NEW Release**
- DB2 Table Editor
- DB2 Performance Expert ***NEW Release**
- DB2 Recovery Expert ***NEW Release**
- DB2 Web Query Tool
- DB2 Test Database Generator

The DB2 Multiplatform Tools support DB2 Universal Database (UDB) running on Linux (Intel32), UNIX, and Windows (LUW). All DB2 Multiplatform Tools support DB2 UDB Version 7 and Version 8. In addition, Try-and-Buy code for DB2 Multiplatform Tools is shipped with every licensed copy of DB2 UDB Enterprise Server Edition, Version 8.