
Oracle Gems

For DBAs and Developers







presentation for:

Utah Oracle Users Group

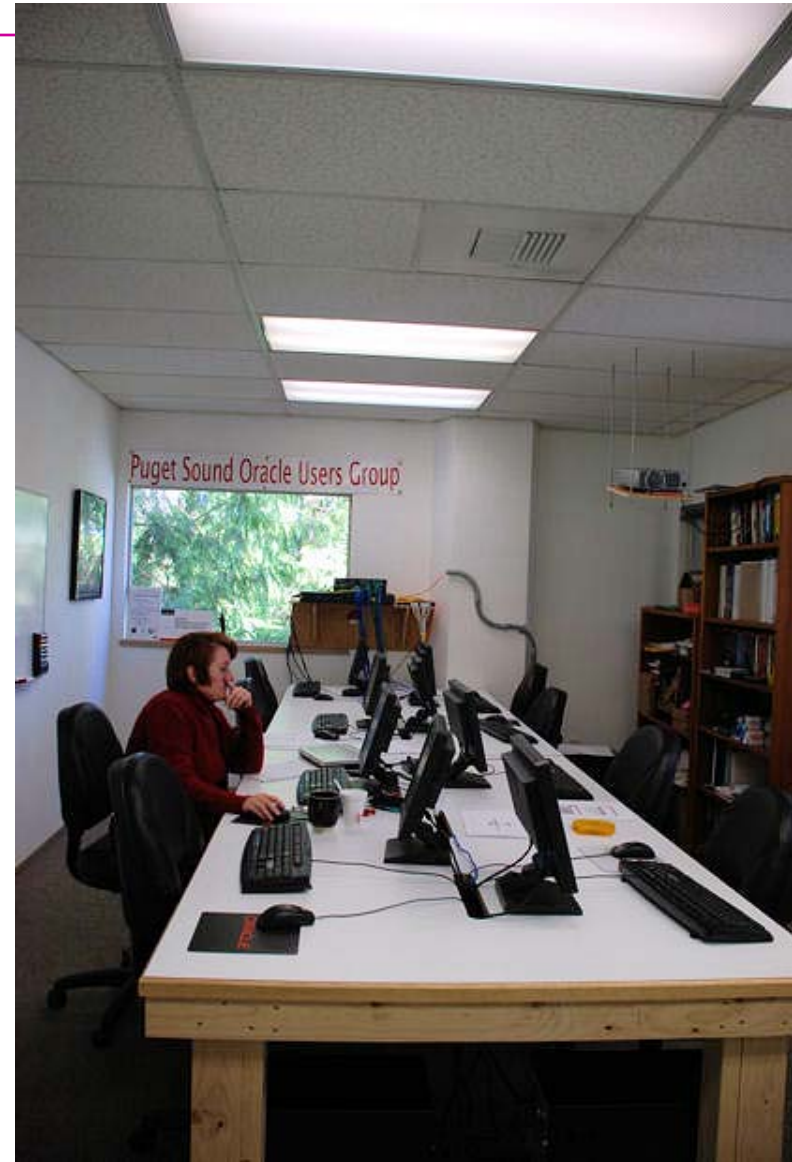
Daniel A. Morgan



Who am I?

- Daniel Morgan
- Oracle Ace Director 
- University of Washington 
 - Wrote UW Oracle curricula
 - Primary program instructor - 8 years
- Education Chair: PSOUG 
- Member: UKOUG 
- Frequent speaker – OOW and user group events
- 10g, 11g, and TimesTen Beta tester
- Oracle since version 6
- Too many years of Fortran and COBOL
- Contact: damorgan@u.washington.edu

The PSOUG Lab



The PSOUG Lab



The PSOUG Lab



Additional Resources

SQL University

www.sqluniversity.net

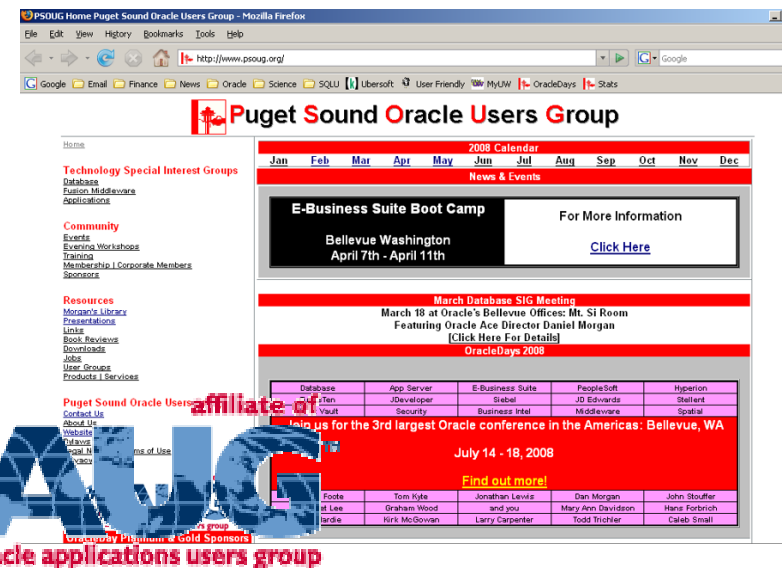
Streaming Video



Morgan's Library

www.psoug.org

Demo Source Code



Daniel A. Morgan





APRIL 13-17, 2008
COLORADO CONVENTION CENTER
DENVER, COLORADO

COLLABORATE 08, featuring the OAUG Forum, will offer more than **500 presentations** facilitated by industry experts, members of the OAUG and Oracle.

Early Bird Registration Deadline

March 13

Exhibitor Showcase Sales

Now open

For additional information and to register

<http://oaug.collaborate08.com>

Back to the Future



The screenshot shows a Mozilla Firefox browser window displaying the website for the International zSeries Oracle SIG. The browser's address bar shows the URL <http://zseriesoraclesig.org/index.php>. The website features a header with a globe and the title "International zSeries Oracle SIG". Below the header, a paragraph describes the SIG as a loosely organized group of companies with Oracle licenses on z/OS and Linux. A left sidebar contains a navigation menu with links to Home, Bulletin Board, Conference, Presentations, Links, About Us, and Contact Us. The main content area is divided into two columns. The left column, titled "In Brief: Next Conference", announces the "zSeries Oracle Special Interest Group Conference 2008", which will be held from April 28th to April 30th, 2008, at Oracle Headquarters in Redwood Shores, California. It also mentions two extra free days of hands-on training and the cost of \$495. The right column, titled "Post Conference Workshops", describes a "Oracle on Linux on System z Workshop" hosted by IBM in conjunction with the conference. The workshop is a 2.5-day hands-on experience for system administrators and DBAs, focusing on moving Oracle DB workloads to a Linux environment using z/VM software and System z hardware. It includes a discussion of performance tooling for Linux and z/VM. The workshop will conclude on Wednesday, April 30th, at 1 pm.

International MVS/zSeries Oracle Sig - Mozilla Firefox

File Edit View History Bookmarks Tools Help

[http://zseriesoraclesig.org/index.php](#)

Google Email Finance News Oracle Science SQLU Ubersoft User Friendly MyUW OracleDays Stats

 International zSeries Oracle SIG

The International zSeries Oracle SIG is a loosely organized group of companies that have a license for Oracle on z/OS and Linux on the zSeries hardware. There are no membership fees or obligations. Communications are done through Oracle mailings, emails and this website.

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In Brief: Next Conference

zSeries Oracle Special Interest Group Conference 2008



The 2008 conference will be held April 28th thru April 30th, 2008, at Oracle Headquarters in Redwood Shores, California. IBM is also providing two extra free days (April 30th thru May 2nd) of hands on training to SIG members who preregister. These IBM workshops will be offered on a first come, first served basis as space is limited.

The cost for the conference is \$495 which includes Sunday's reception, breakfast and lunch, dinner and entertainment Tuesday evening, and a choice of one of the optional IBM Workshops (you must pre-register for the workshop).

[Pre-register](#)

Post Conference Workshops

With Oracle's recent announcement regarding future support of the z/OS platform the following 2 workshops will be held in conjunction with the conference:

Oracle on Linux on System z Workshop:

In conjunction with the Oracle zSeries SIG 2008 Conference, IBM is hosting a special 'no-charge' workshop for conference attendees who are considering consolidating and moving Oracle DB workloads to a Linux environment using z/VM software and System z hardware technology. This 2.5 day workshop is designed for system administrators, DBA's, and planners considering a move of Oracle to Linux on System z, and offers practical, hands-on experience through a combination of lectures and labs to install and configure SUSE Linux. A hands-on customization of z/VM will be performed to establish an environment for a Linux system. The workshop includes the installation and customization of Oracle 10g, and will include a discussion of performance tooling for Linux and z/VM that can be used to monitor and tune the system environment. There is no fee for your organization to participate in this workshop, which is led by instructors from IBM's Washington Systems Center. Travel, food, and lodging expenses are the responsibility of the individuals attending the workshop. Seating is limited. The SIG Conference concludes Wednesday, April 30th, and the workshop will begin at 1 pm,

What is a gem

- Something of value
- Something that requires effort to uncover
- As with the industrial uses for diamonds and sapphires
- Something that can be put to an industrial use.
- Requires polishing



Gems



- AWR Report
- DBMS_AUTOTASK_ADMIN
- DBMS_COMPARISON
 - CREATE_COMPARISON
 - COMPARE
 - CONVERGE
 - DROP_COMPARISON
- DBMS_DIMENSION
 - DESCRIBE_DIMENSION
 - VALIDATE_DIMENSION
- DBMS_FEATURE_USAGE_REPORT
 - DISPLAY_HTML
 - DISPLAY_TEXT



Gems



- DBMS_I_INDEX_UTL
 - GET_REBUILD_COMMAND
- DBMS_INDEX_UTL
 - BUILD_INDEXES
 - BUILD_SCHEMA_INDEXES
 - BUILD_TABLE_INDEXES
- DBMS_IOT
 - BUILD_CHAIN_ROWS_TABLE
 - BUILD_EXCEPTIONS_TABLE
- DBMS_METADATA
 - COMPARE_ALTER



Gems



- DBMS_MVIEW
 - EXPLAIN_MVIEW
- DBMS_ODCI.ESTIMATE_CPU_UNITS
- DBMS_PCLXUTIL.BUILD_PART_INDEX
- DBMS_RESOURCE_MANAGER
 - CALIBRATE_IO
- DBMS_SPACE
 - OBJECT_GROWTH_TREND
- DBMS_STATS
 - GET_PREFS



Gems



- DBMS_UTILITY
 - ACTIVE_INSTANCES
 - DB_VERSION
 - PORT_STRING
- DBMS_WORKLOAD_REPOSITORY
 - COLORED_SQL
 - ASH Report
 - Baselines
- DBMS_XPLAN
 - BUILD_PLAN_XML
 - DISPLAY_CURSOR
 - DISPLAY_PLAN



Gems



- INSERT STATEMENTS
 - INSERT ALL
 - INSERT WHEN
- ORAPWD
 - ORAPWD NOSYSDBA
- OWA_UTIL
 - WHO_CALLED_ME
- PFILE Create from memory
- Pivot / Unpivot
- PRAGMA INLINE
- Read Only Tables



Gems



- REGEXP_COUNT
- Sample Clause
- Sorted Hash Clusters
- SYS_OP_DISTINCT
- SYS_OP_MAP_NONNULL
- WM_CONCAT Function



Health Warning

Due to complaints made to the Surgeon General's office ...



You are now entering ...

... a ...

