
Oracle Gems

For DBAs and Developers



presentation for:
Utah Oracle Users Group

Daniel A. Morgan



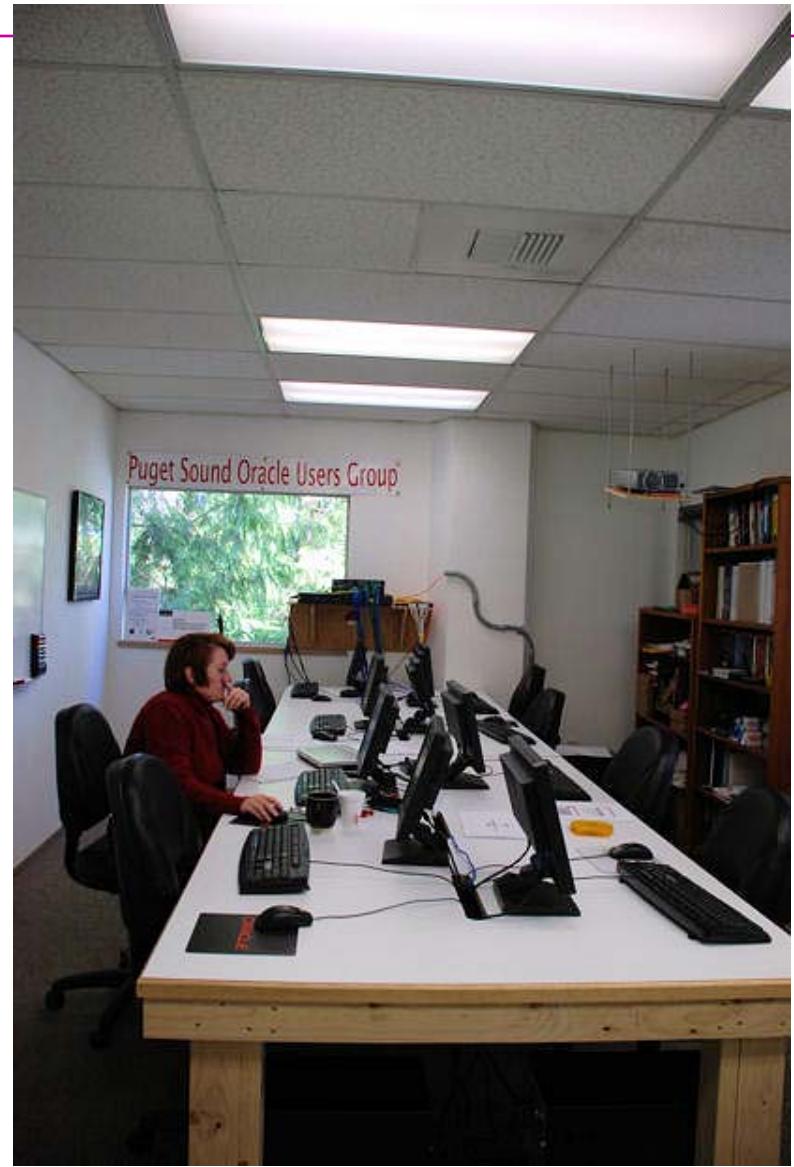
Who am I?

- 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

Daniel A. Morgan



The PSOUG Lab



Daniel A. Morgan



The PSOUG Lab



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The PSOUG Lab



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Additional Resources

SQL University

www.sqluniversity.net

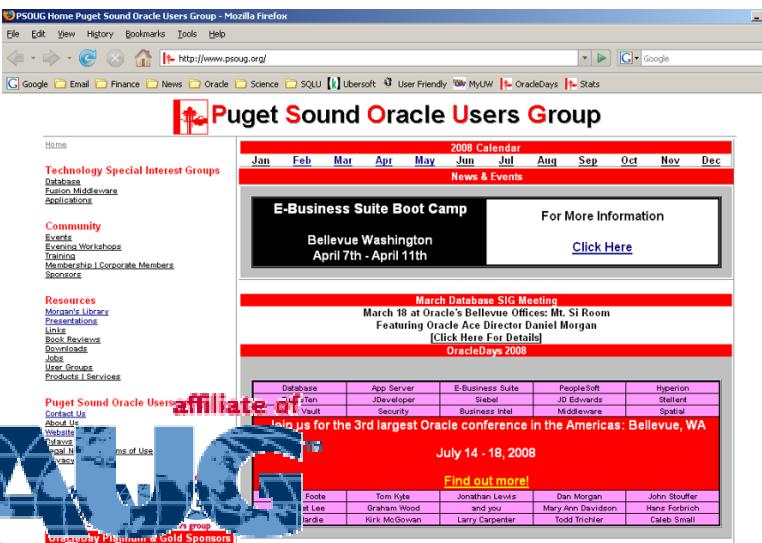
Streaming Video



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

International MVS/zSeries Oracle Sig - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Back Forward Stop Home 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.

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 1pm,



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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

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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



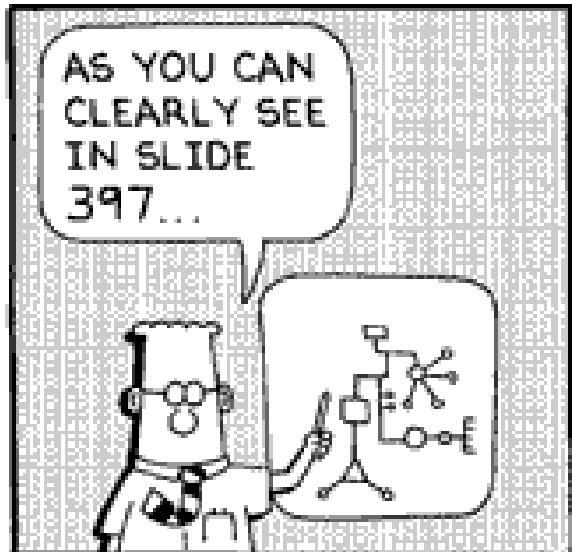
- REGEXP_COUNT
- Sample Clause
- Sorted Hash Clusters
- SYS_OP_DISTINCT
- SYS_OP_MAP_NONNULL
- WM_CONCAT Function

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Health Warning

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



You are now entering ...

Daniel A. Morgan



... a ...



Daniel A. Morgan

