Oracle Gems

presentation for:

Northern California Oracle Users Group

Winter Conference, February 2008

Who am I?

- The Morgan of Morgan's Library on the web
- 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

Additional Resources

SQL University

www.sqluniversity.net

Streaming Video

Morgan's Library

www.psoug.org

Demo Source Code

OAUG
oracle applications users group

COLLABORATE08
Technology and Applications Forum for the Oracle Community

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

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

At the Fall conference

- Architecture ... bdump and udump are gone
  - So are svrmgr, rollback segments, and RBO so get over it. <g>
- Tables
  - Compression
  - Virtual Columns
- Table Triggers
  - Compound Triggers
  - Follows Clause
- Native Compilation
- Total Recall with Flashback Archive
- New PLW warning messages
- DBMS_FLASHBACK.TRANSACTION_BACKOUT

This what I am not going to talk about

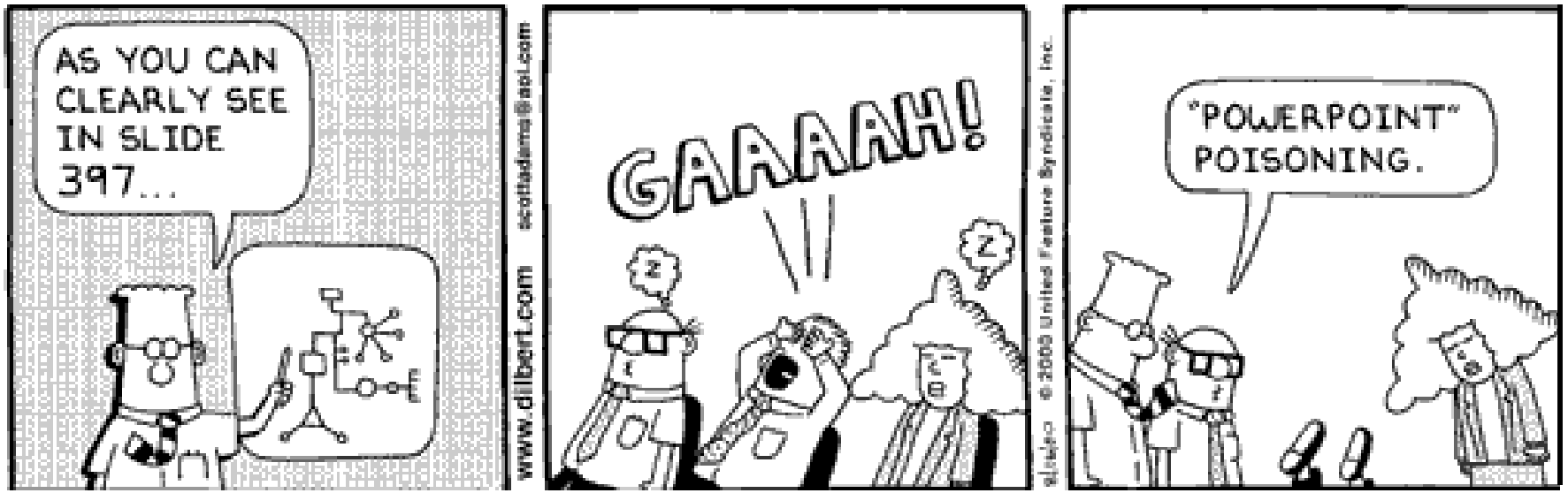
- Virtual Columns
- Compound Triggers
- Follows Clause
- LOB Deduplication
- LOB Encryption
- SELECT FOR UPDATE SKIP LOCKED
- PIVOT and UNPIVOT
- Mixed PL/SQL Notation in SQL
- DBMS_AUTO_TASK_ADMIN
- DBMS_AW_STATS
- DBMS_COMPARISON
- DBMS_CONNECTION_POOL
- DBMS_CQ_NOTIFICATIONS
- DBMS_CSX_ADMIN – TTS w/ binary info
- DBMS_EDITIONS_UTILITIES
- DBMS_HM (Health Management)
- DBMS_HPROF (Hierarchical Profiler)
- DBMS_IR (RMAN Repair)
- DBMS_LOB
- DBMS_LOBUTIL
- DBMS_MANAGEMENT_PACKS
- DBMS_METADATA
- DBMS_NETWORK_ACL_ADMIN (Access Control List)
- DBMS_SESSION
- DBMS_SPM (SQL Plan Management)
- DBMS_SQLDIAG
- DBMS_SQLPA (Predict impact changes)
- DBMS_STATS (beyond your imagination)
- DBMS_STORAGE_MAP (FMON API)
- DBMS_WLM (Workload Management)
- DBMS_WORKLOAD_CAPTURE
- DBMS_WORKLOAD_REPLAY
- DBMS_WORKLOAD_REPOSITORY (AWR)
- DBMS_XA (XA/Open interface access)
- DBMS_XPLAN (Explain Plan improvements)
- Automated Diagnostic Repository (ADR / ADRCI)
- Data Guard
- RAC
- Streams
- New AWR Reports
- Object Redefinition
- Pragma INLINE
- RESULT CACHE
- SecureFiles
- and much much more ....

11g New Features

- Invisible Indexes
- Read Only Tables
- Passwords are Case Sensitive
- Partitioning
  - Composite Partitions
  - Interval Partitions
  - Partition by Reference
  - System Partitioning
  - Virtual Column Partitioning
- Sequences in PL/SQL
- Continue clause in PL/SQL

Health Warning

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



You are now entering ...

… a …