





Oracle 11g Partitioning

ORACLE presentation for:
OPEN
WORLD Oracle OpenWorld 2007

Daniel A. Morgan



Who am I?

- Daniel Morgan
- Oracle Ace Director 
- University of Washington 
 - Wrote UW Oracle curricula
 - Primary program instructor - 7 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
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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



11g Released

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Oracle Database Software Downloads

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Oracle Database 11g Release 1 (11.1.0.6.0)
Standard Edition, Standard Edition One, and Enterprise Edition

- Microsoft Windows (1.7 GB) | [See All](#) (Including Client, Examples, Gateways, and Clusterware)
- Linux x86 (1.7 GB) | [See All](#) (Including Client, Examples, Gateways, and Clusterware)
- Linux x86-64 (1.8 GB) | [See All](#) (Including Client, Examples, Gateways, and Clusterware)

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[Oracle Database 11g homepage](#)

<http://otn.oracle.com>



This what I am not going to talk about

- Simple Integer Data Type
- Invisible Indexes
- Read Only Tables
- Composite Partitioning (new types)
- Interval Partitioning
- Partition by Reference
- New PL/SQL Sequence syntax
- LOB Deduplication
- LOB Encryption
- SELECT FOR UPDATE SKIP LOCKED
- PIVOT and UNPIVOT
- PL/SQL Continue
- Mixed PL/SQL Notation
- 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 environment changes impact)
- 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
- Real Application Testing (RAT)
- RESULT CACHE
- SecureFiles
- and much much more



11g New Features - Partitioning

- BDUMP and UDUMP are gone
- Interval Partitioning
 - Interval Range Partitioning
- Virtual Column Partitioning
 - Virtual Columns
 - Partition by Virtual Column
- Partition by Reference
- Composite Partitions
 - range-range
 - list-range
 - list-list
- New PLW warning messages



Health Warning

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



You are now entering ...

... a ...

~~Free Zone~~
PowerPoint

