
Are You Ready for Database 12c?

Daniel A. Morgan



Oracle ACE Director



Consultant to Harvard University



University of Washington Oracle Instructor, ret.



The Morgan of Morgan's Library on the web



Board Member: Western Washington OUG

■ Upcoming Presentations

- Mar 21-24: Oracle User Group Norway
- Mar 28: Vancouver B.C.
- Apr 24: Benelux Connect (Netherlands)
- May 30-31: Harmony Finland
- Jun 1: Harmony Latvia



Official Beta Site
ORACLE DATABASE **11g**

ORACLE
RACSIG

International
zSeries
Oracle SIG

Syllabus

- What can I tell you about Database Version 12c?
- What should I know about Oracle 8i?
- What should I know about Oracle 9i?
- What should I know about Oracle 10g?
- What should I know about Oracle 11g?

Oracle Database 12c

- It will most likely be released one to two weeks before OpenWorld
- It may not be named 12c
- It is in Beta testing
- No one is prepared for it and this presentation is about what you can do to be prepared

Preparing for 12c

Basic SQL

- DDL statements
 - What do you know about basic objects in Oracle such as
 - Tables
 - Constraints
 - Indexes
 - Materialized Views
 - Database Links

Tables

- Heap
- Index Organized
- Partitioned
- Composite Partitioned
- Global Temporary
- External
- XML

Constraints

- Why do primary key and unique constraints have unique indexes?
- Deferred constraints
- NOT NULL constraints on Primary Key columns?

Indexes

- B*Tree
- Bitmap
- Bitmap Join
- Compressed
- Descending
- Function Based
- Invisible
- No Segment
- Reverse
- Star
- ... on Virtual Columns

Database Links

```
CREATE DATABASE LINK fixed_user
CONNECT TO hr IDENTIFIED BY hr;

col owner format a20
col db_link format a15
col username format a20
col host format a12

SELECT * FROM dba_db_links;

ALTER DATABASE LINK fixed_user
CONNECT TO hr IDENTIFIED BY hrnew;
```

Basic SQL

- DML statements
 - What do you know about basic SQL in Oracle such as
 - Select statements
 - Insert statements
 - Update statements
 - Delete statements
 - Merge statements

Basic PL/SQL

- Native compilation
- Array Processing

Edition Based Redefinition

- Editions
- Editioning Views
- Cross-Edition Triggers

Built-in Packages

- DBMS_APPLICATION_INFO
- DBMS_PCXLUTIL
- DBMS_SQL
 - converting from DBMS_SQL to NDS

Questions

ERROR at line 1:

ORA-00028: your session has been killed



All demos at morganslibrary.org

- **Library**
- **How Can I?**

Thank you