New Features in Database 12c you won't hear about ... from Oracle

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Disclaimer

- This room is an unsafe harbour
- No one from Oracle has previewed this presentation
- No one from Oracle knows what I'm going to say
- No one from Oracle has supplied any of my materials

- This discussion is about a Beta and I am going to be very ... VERY ... careful to show you only what has been demonstrated at OpenWorld so as not to violate my NDA

- But what I am going to emphasize is precisely those things you need to know to move forward with 12c and with your career

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Daniel A. Morgan

- Oracle ACE Director
- Consultant to Harvard University
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- The Morgan of Morgan's Library on the web
- Board Member: Western Washington OUG
- Executive Board: Vancouver/Victoria OUGs
- Upcoming Presentations
  - Apr 15-17: Oracle User Group Finland
  - Apr 17-20: Oracle User Group Norway
  - May 15 Oracle User Group Azerbaijan
  - May 19 Bulgarian Oracle User Group

ORACLE RACSIG
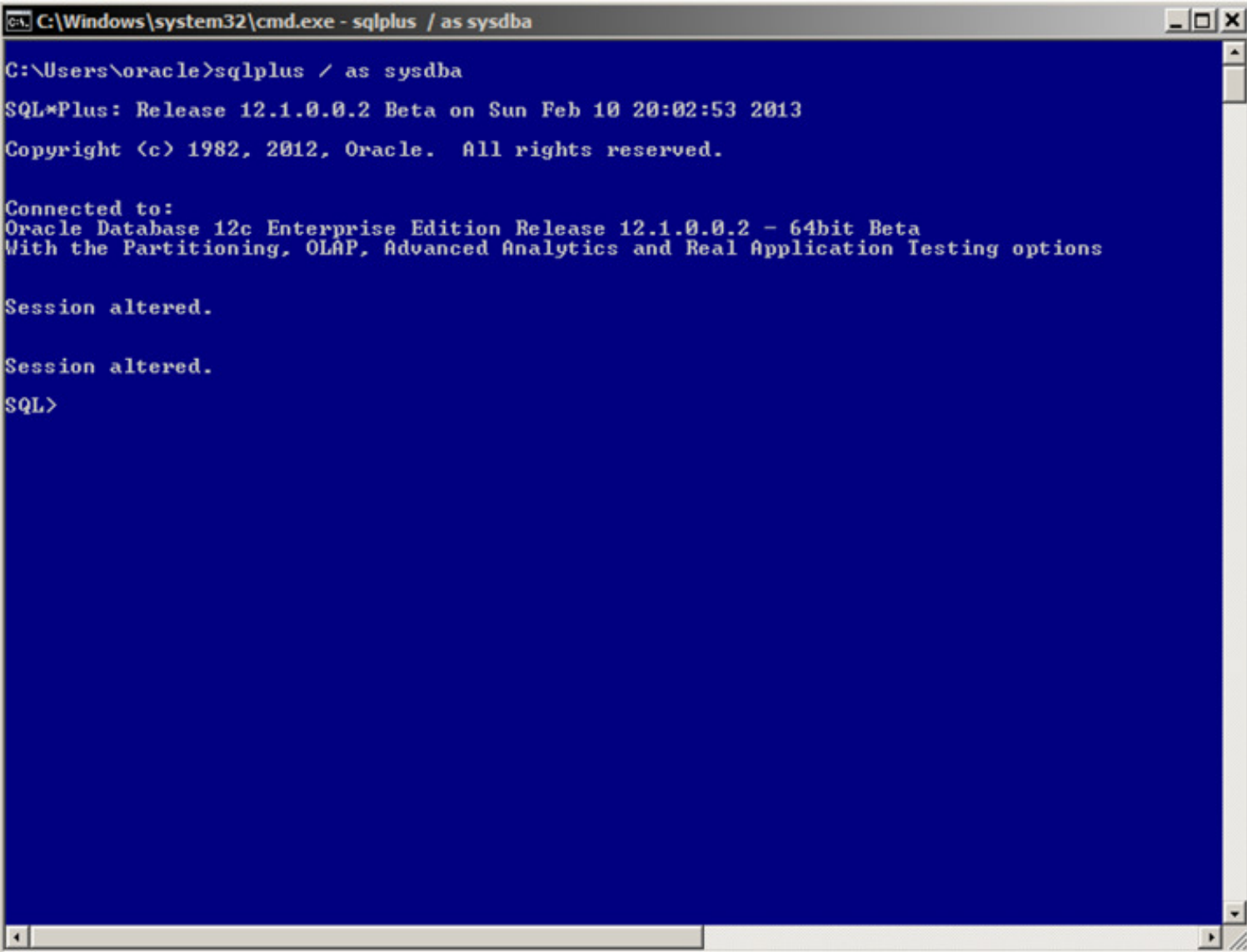
International zSeries Oracle SIG

Mad Dog Morgan

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New Features in Database 12c You Won't Hear About From Oracle   **Presented: Utah Oracle User Group - 14 February, 2013**

PhD Level SQL Injection

Morgan's Library: www.morganslibrary.org

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Slide 1 of 4

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- Oracle has changed fundamental constructs at a level not seen since version 6.0
- Presentation take-aways
    - Container Database (CDB)
    - Pluggable Database (PDB)
    - Engage in pessimistic assumption making
    - Stop using the DBA and SYSDBA roles inappropriately
    - Throw away DBA tools not certified compatible with 12cR1
    - If you are a DBA with 20+ years experience ... you MUST read the docs: Not doing so is not an option

```
prompt Specify CONTAINER name (eg: NAME from V$PDBS) report target:
prompt Defaults to NULL: (% and _ wildcards allowed)
prompt CONTAINER report target specified: &&target_container
```

```
Rem      svivian        01/24/12 - bug 13603747: some procedures must be called from
Rem                               pdb root
```

```
#     akruglik       05/11/11 - change container query to fetch from container$;
#                              open pdb$seed read/write; wait for auxiliary
#                              process to terminate before resetting CHLD signal
#                              handler
```

```
SQL> SELECT COUNT(*)
  2  FROM dba_objects
  3  WHERE object_name like '%PDB%';

  COUNT(*)
----------
        40

SQL> SELECT COUNT(*)
  2  FROM dba_tab_cols
  3  WHERE column_name LIKE '%PDB%';

  COUNT(*)
----------
       122
```

```
SQL> desc v$active_services
 Name                            Null?    Type
 ------------------------------- -------- -------------
 SERVICE_ID                               NUMBER
 NAME                                     VARCHAR2(64)
 NAME_HASH                                NUMBER
 NETWORK_NAME                             VARCHAR2(512)
 CREATION_DATE                            DATE
 CREATION_DATE_HASH                       NUMBER
 GOAL                                     VARCHAR2(12)
 DTP                                      VARCHAR2(1)
 BLOCKED                                  VARCHAR2(3)
 AQ_HA_NOTIFICATION                       VARCHAR2(3)
 CLB_GOAL                                 VARCHAR2(5)
 COMMIT_OUTCOME                           VARCHAR2(3)
 RETENTION_TIME                           NUMBER
 REPLAY_INITIATION_TIMEOUT                NUMBER
 SESSION_STATE_CONSISTENCY                VARCHAR2(30)
 GLOBAL                                   VARCHAR2(3)
 CON_NAME                                 VARCHAR2(30)
 SQL_TRANSLATION_PROFILE                  VARCHAR2(65)
 MAX_LAG_TIME                             VARCHAR2(30)
 CON_ID                                   NUMBER
```

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**The balance of this presentation will be unscripted
and will not be available in any published form
until after the product is released.**

... now it's time to get serious

Questions

ERROR at line 1:
ORA-00028: your session has been killed

Thank you

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