

RMOUG TRAINING DAYS

February 11-13, 2013 Denver, Colorado
Colorado Convention Center

www.rmoug.org

THE COLLEGIATE PEAKS PHOTO COURTESY OF JOHN KING, RMOUG MEMBER

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

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

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



Executive Board: Vancouver/Victoria OUGs

■ Upcoming Presentations

- Feb 18: Victoria, BC
- Feb 19: Vancouver BC
- Mar 13-14: Utah Oracle Users Group
- 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
RAC SIG

International
zSeries
Oracle SIG



Mad Dog Morgan



PhD Level SQL Injection



Morgan's Library: www.morganslibrary.org

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Morgan's 2012 - 2013 Calendar

Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan

[don't censor the web] [don't be silent]

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Presentations Map

Oracle Core

Training Events

- [Harvard University](#) - Feb 6 - 10, 2012
- [RMOUG Training Days](#) - Feb 14 - 16, 2012
- [VanOUG Canada](#) - Feb 23, 2012
- [OUGN: Oslo, Norway](#) - Mar 21 - 24, 2012
- [BeNeLux Connect: Maastricht](#) - Apr 24, 2012
- [OUG Harmony Finland](#) - May 30 - 31, 2012
- [OUG Harmony Latvia](#) - Jun 01, 2012

Oracle Events

Next Event: RMOUG Denver, CO Feb 14-16

Morgan

aboard USA-71

Library News

- [Morgan's Notepad vi \(Blog\)](#)
- [Join the Western Washington OUG](#)
- [Morgan's Oracle Podcast](#)
- [US Government STIGs \(Security Checklists\)](#)
- [Bryn Llewellyn's PL/SQL White Paper](#)
- [Bryn Llewellyn's Editioning White Paper](#)
- [Explain Plan White Paper](#)
- [Troubleshooting Performance](#)

ACE News

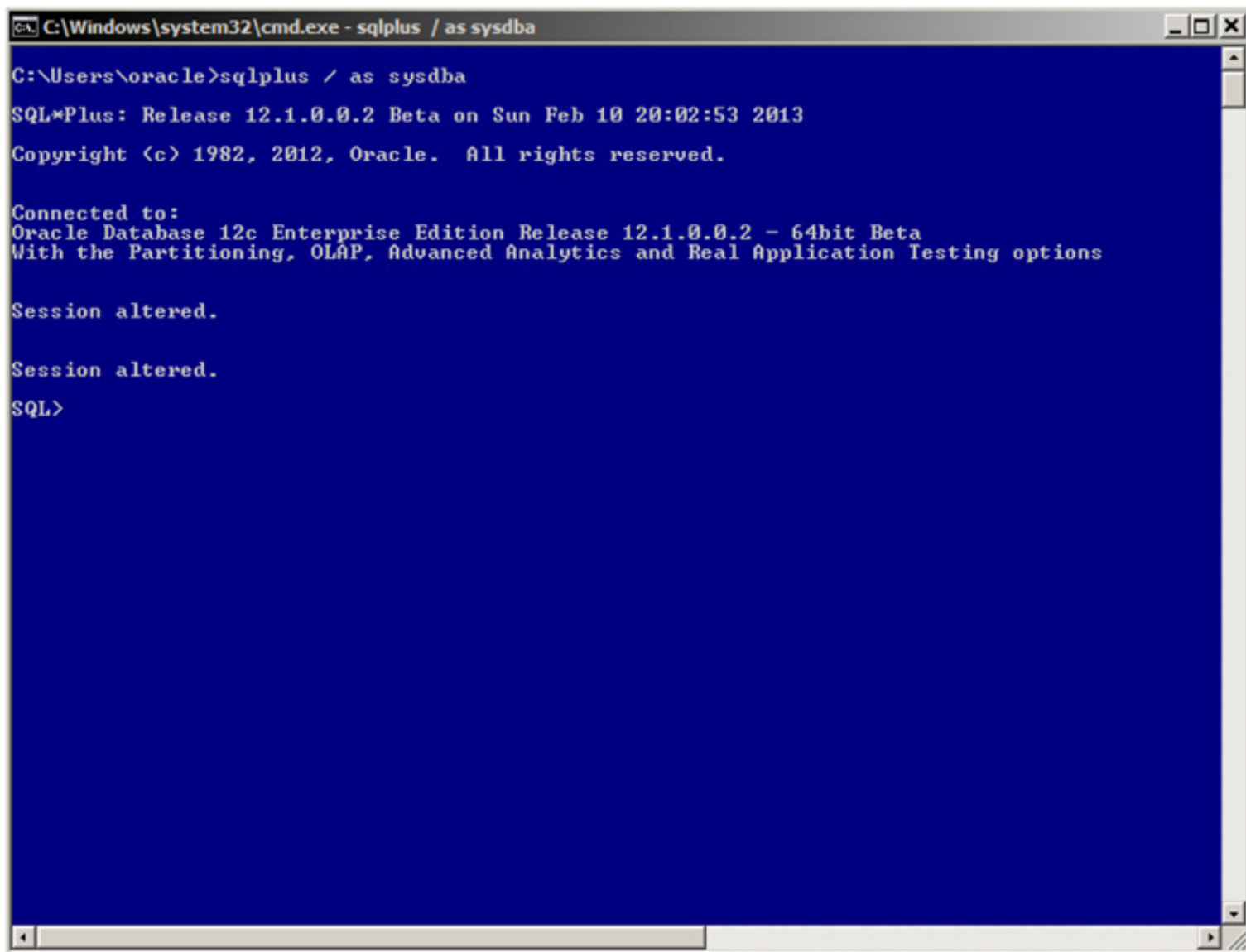
Would you like to become an Oracle ACE?

Learn more about becoming an ACE

- [ACE Directory](#)
- [ACE Google Map](#)
- [ACE Program](#)
- [Stanley's Blog](#)

Congratulations to our newest ACEs

Slide 1 of 4



```
C:\Windows\system32\cmd.exe - sqlplus / as sysdba

C:\Users\oracle>sqlplus / as sysdba
SQL*Plus: Release 12.1.0.0.2 Beta on Sun Feb 10 20:02:53 2013
Copyright (c) 1982, 2012, Oracle. All rights reserved.

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.0.2 - 64bit Beta
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options

Session altered.

Session altered.

SQL>
```

Slide 2 of 4

- 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

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```
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
```

Slide 4 of 4

```
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
```

**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