

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 after it is released

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

- Apr 17-20: Oracle User Group Norway
- May 15 Oracle User Group Azerbaijan
- May 19 Bulgarian Oracle User Group



Mad Dog Morgan



PhD Level SQL Injection



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New Features in Database 12c You Won't Hear About From Oracle

Presented: Oracle User Group Finland - 15 April, 2013

Morgan's Library: www.morganslibrary.org

 **Morgan's Library**

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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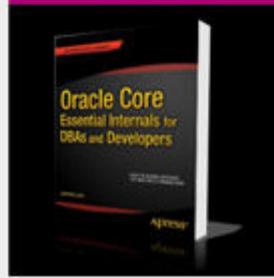
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Oracle Core 

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- [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](#)

Morgan 
aboard USA-71

Library News

- [Morgan's Notepad vi \(Blog\)](#)
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- [Bryn Llewellyn's PL/SQl White Paper](#)
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Oracle Events 

Next Event: RMOUG Denver, CO Feb 14-16

ACE News

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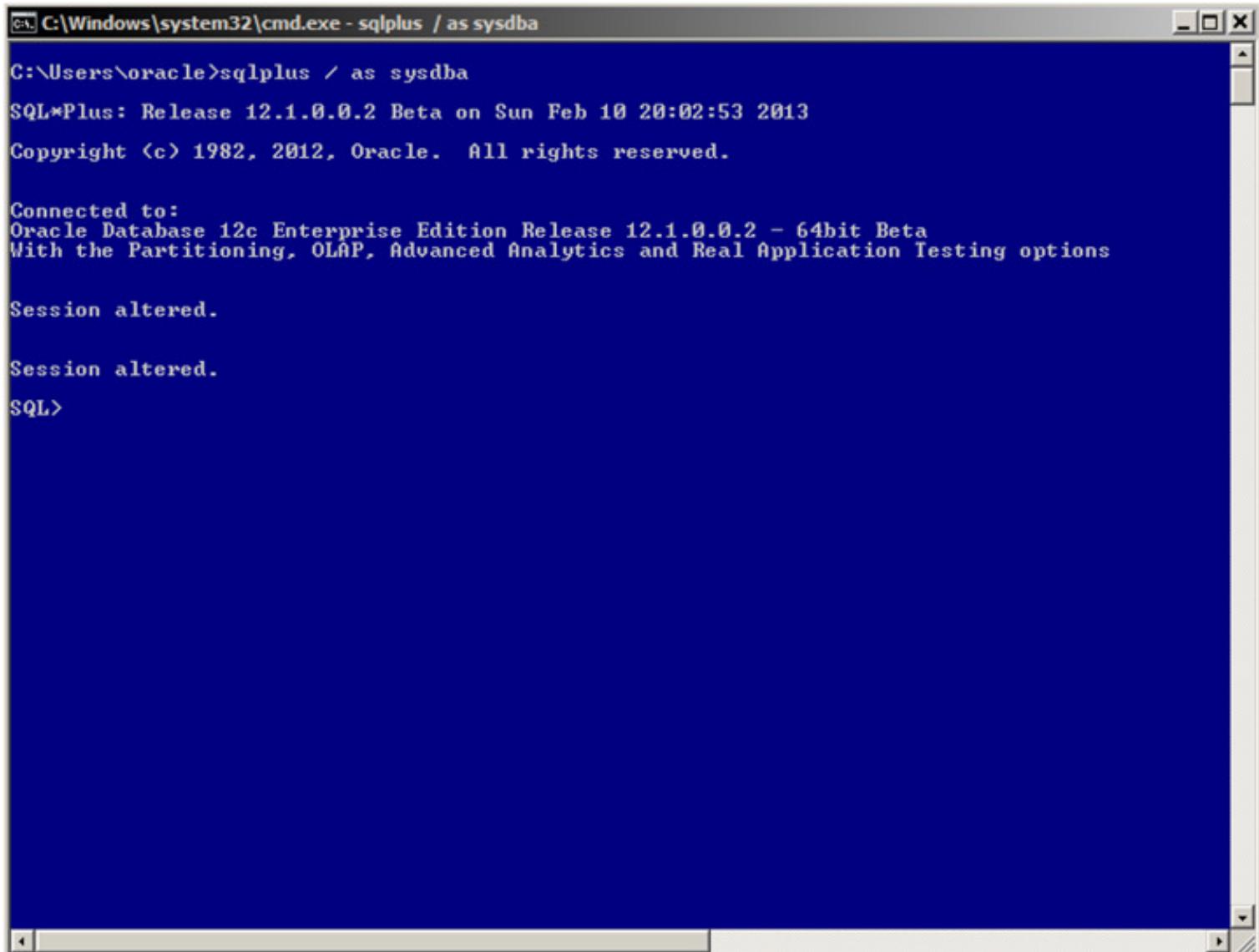
Congratulations to our newest ACEs

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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
 - The word "Database" has essentially lost all value except to create confusion
 - 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$;  
#  
#  
#  
#  
#  
#  
  
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
```

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```
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