



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

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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
RAC SIG

International
zSeries
Oracle SIG

Mad Dog Morgan



PhD Level SQL Injection



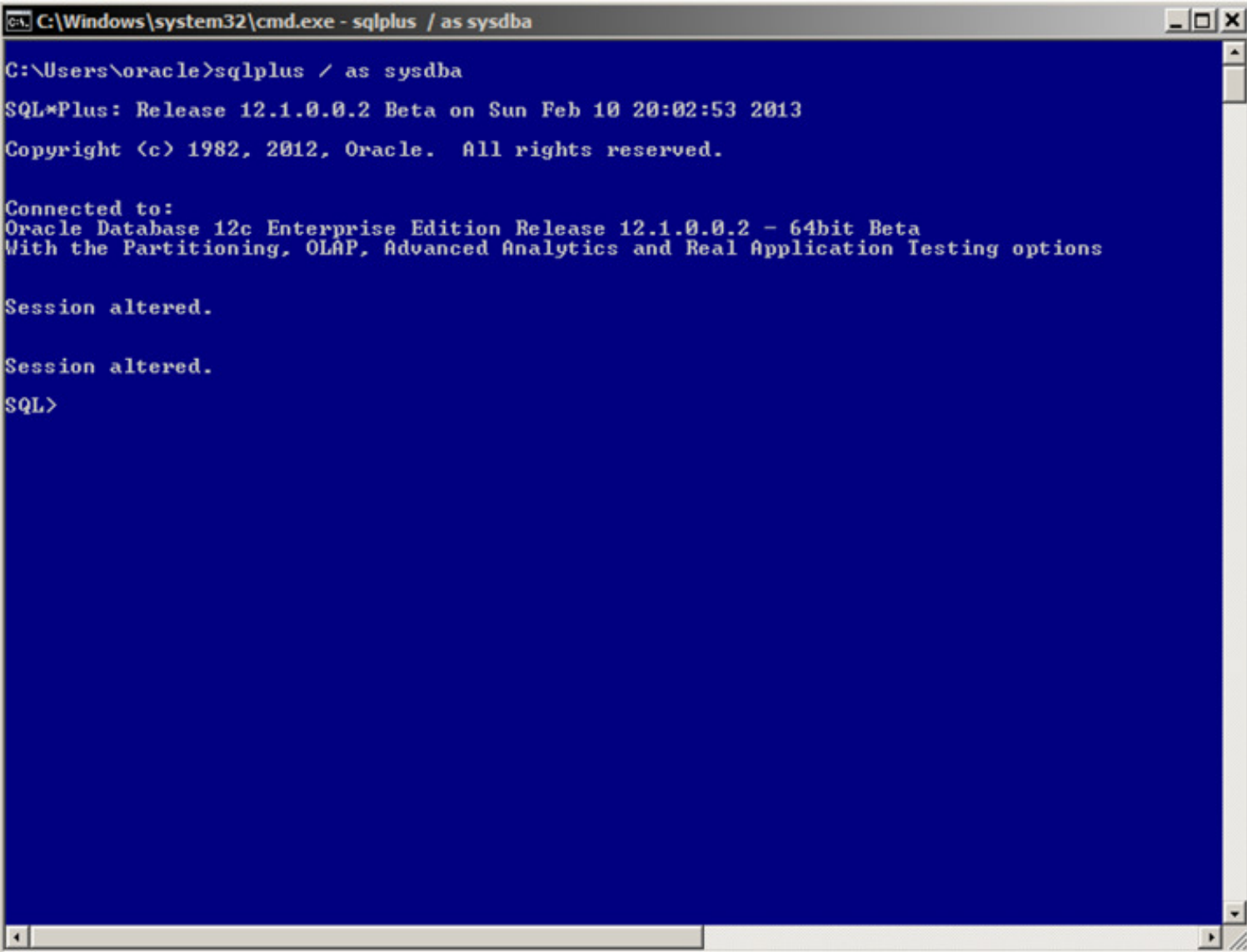
Morgan's Library: www.morganslibrary.org

The screenshot shows the Morgan's Library website with a purple header. The main navigation bar includes a search box and social media links for 'www' and 'library'. Below the header is a calendar for 'Morgan's 2012 - 2013 Calendar' with tabs for months from Feb to Jan. A black banner contains the text '[don't censor the web]' and '[don't be silent]'. The main content area is divided into several sections:

- Community:** Events, Training, Evening Workshops.
- Resources:** Library, How Can I?, Code Samples, Presentations, Links, Book Reviews, Downloads, User Groups, Humor. A pink arrow points to the 'Resources' link.
- Oracle Core:** A book titled 'Oracle Core: Essential Internals for DBAs and Developers'.
- 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:** A world map showing event locations. A pink banner below reads 'Next Event: RMOUG Denver, CO Feb 14-16'.
- Morgan:** A photo of two people on a boat with 'ORACLE' written on it, captioned 'aboard USA-71'. Below is the Oracle ACE Director logo.
- 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?' with a link to 'Learn more about becoming an ACE'. Below are links for 'ACE Directory', 'ACE Google Map', 'ACE Program', and 'Stanley's Blog'. A photo of an orange ACE vest is shown. The text 'Congratulations to our newest ACEs' is at the bottom.

At the bottom left, there is a 'Presentations Map' showing a world map with event locations marked.

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

Slide 3 of 4

```
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