

My notes on Monitoring Alert logs

1. How to find the alertlog location?

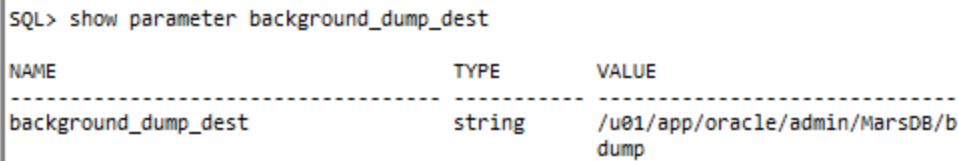
Quickest way to find alert_log location is to get it from v\$DIAG_INFO

```
set lines 200
col name format a30
col alert_log_location format a80

SELECT name, value as alert_log_location FROM
V$DIAG_INFO
where name='Diag Trace';
```

2. Where is the alertlog in 10g?

sqlplus / as sysdba
show parameter background_dump_dest



```
SQL> show parameter background_dump_dest
```

NAME	TYPE	VALUE
background_dump_dest	string	/u01/app/oracle/admin/MarsDB/b dump

Or from 11g, Oracle has introduced a new utility called adrci. You can use adrci to monitor the alertlog.

```
. oraenv → MarsDB
adrci
adrci > show alert
adrci > set home diag/rdbms/batch37
adrci > show alert -tail -f
```

Other handy commands with adrci:

```
adrci > show problem
adrci > show incident
adrci > show trace /u01/app/oracle/diag/rdbms/batch37/Batch37/incident/incdir_6201/orcl_ora_2299_i6201.trc
adrci > show tracefile -rt
→ to check all tracefiles
adrci > show control
→ to check how long trace files wil stays (tracefile defaults to 30 days (720 hours) where as
incident files defaults to 1 year (8760 hours))

adrci > purge -age 2880 -type trace
→ To purge all trace files older than 2 days
```

4. Can you Monitor the database log during startup/shutdown? If so, how?

10g	cd \$ORACLE_BASE/admin/\$ORACLE_SID/bdump tail -f alert_\$ORACLE_SID.log
11g/12c [Hard way]	cd \$ORACLE_BASE/diag/rdbms/database_name/\$ORACLE_SID/trace

	tail -f alert_\${ORACLE_SID}.log
11g/12c [Easy Way]	adrci → stands for Automatic Diagnostic Repository Command Interpreter show homes set home show alert -tail -f

5. Where can I read more on adrci?

http://docs.oracle.com/cd/E11882_01/server.112/e22490/adrci.htm#BABBGFC

How to purge trace files using adrci?

<http://www.mydbanotes.com/2012/03/how-to-purge-trace-files-using-adrci.html>

So what is **adrci**? In 11g, the new concept of “adrci” was started and it stands for “**Automatic Diagnostic Repository Command Interface**”

Example: In the example below, I just typed “adrci” followed by “show alert”. It gives me the option of choosing which logfile to view. Since I want to view the alert log of a database called “CyclopDB”, I shall choose “3” to view the alert log.

```
CentOS-224:(cyclopDB)$ adrci
ADRCI: Release 11.2.0.2.0 - Production on Tue Dec 13 08:24:42 2011
Copyright (c) 1982, 2009, Oracle and/or its affiliates. All rights reserved.
ADR base = "/u01/app/oracle"
adrci> show alert
Choose the alert log from the following homes to view:
1: diag/rdbms/redbox/RedBox
2: diag/rdbms/rmandb/RMANDB
3: diag/rdbms/cyclopdb/cyclopDB
4: diag/rdbms/destdb/DestDB
5: diag/rdbms/bmkg_tspitr_testdb/Bmkgp
6: diag/rdbms/testdb/TestDB
7: diag/rdbms/wefd_tspitr_testdb/wEfD
8: diag/rdbms/moiddb/MoidDB
9: diag/tnslsnr/CentOS-224/lsnr6224
10: diag/tnslsnr/CentOS-224/listener
11: diag/tnslsnr/CentOS-224/lsnr224
12: diag/tnslsnr/CentOS-224/sid_list_listener
13: diag/tnslsnr/CentOS-224/lsnr6225
14: diag/clients/user_oracle/host_1901685583_80
Q: to quit
Please select option: 3
```

6. How to read last 100 lines of alert log?

```
tail -n 100 alert_PrimeDG.log
```