

The contract of the time written in alert log and the real one could show this problem

Mon Oct 31 18:39:23 2011

Thread 1 advanced to log sequence 49632 (LGWR switch)

Current log# 32 seq# 49632 mem# 0: /ocfs_ctrl_redo/mxdell/redo32_a.log

Current log# 32 seq# 49632 mem# 1: /ocfs_data/mxdell/redo32_b.log

Mon Oct 31 18:59:11 2011

Thread 1 advanced to log sequence 49633 (LGWR switch)

Current log# 33 seq# 49633 mem# 0: /ocfs_ctrl_redo/mxdell/redo33_a.log

Current log# 33 seq# 49633 mem# 1: /ocfs_data/mxdell/redo33_b.log

Mon Oct 31 19:29:07 2011

Thread 1 advanced to log sequence 49634 (LGWR switch)

Current log# 34 seq# 49634 mem# 0: /ocfs_ctrl_redo/mxdell/redo34_a.log

Current log# 34 seq# 49634 mem# 1: /ocfs_data/mxdell/redo34_b.log

Mon Oct 31 19:59:21 2011

Thread 1 advanced to log sequence 49635 (LGWR switch)

Current log# 35 seq# 49635 mem# 0: /ocfs_ctrl_redo/mxdell/redo35_a.log

Current log# 35 seq# 49635 mem# 1: /ocfs_data/mxdell/redo35_b.log

Mon Oct 31 20:29:36 2011

Thread 1 advanced to log sequence 49636 (LGWR switch)

Current log# 36 seq# 49636 mem# 0: /ocfs_ctrl_redo/mxdell/redo36_a.log

Current log# 36 seq# 49636 mem# 1: /ocfs_data/mxdell/redo36_b.log

Mon Oct 31 20:49:11 2011

Thread 1 advanced to log sequence 49637 (thread open)

Thread 1 opened at log sequence 49637

Current log# 31 seq# 49637 mem# 0: /ocfs_ctrl_redo/mxdell/redo31_a.log

Current log# 31 seq# 49637 mem# 1: /ocfs_data/mxdell/redo31_b.log

Mon Oct 31 20:50:27 2011

Thread 1 advanced to log sequence 49638 (LGWR switch)

Current log# 32 seq# 49638 mem# 0: /ocfs_ctrl_redo/mxdell/redo32_a.log

Current log# 32 seq# 49638 mem# 1: /ocfs_data/mxdell/redo32_b.log

#1_49632_703296551.arc should generate at 18:59

#1_49633_703296551.arc should generate at 19:29

#1_49634_703296551.arc should generate at 19:59

#1_49635_703296551.arc should generate at 20:29

But the real result is very different, the arc log files generated very slowly from 18:59~20:32, until DB NODE 1 server restarted at 20:40

1.1_49632_703296551.arc generated **19:17** (18:59), it is said the server spent about **18 minutes** to write the redo log to archive log file. (**normally only need several seconds**)

2.1_49633_703296551.arc generated **19:30** (19:29), it could be treated as normal.

3.1_49634_703296551.arc generated **20:07** (19:59), it is said the server spent about **8 minutes** to generate this file

4.1_49635_703296551.arc generated **20:32** (20:29), it is said the server spent about **3 minutes** to generate this file

5.1_49636_703296551.arc generated **20:49** (20:49), it is normal.(after db node 1 reboot)

6.1_49637_703296551.arc generated **20:50** (20:50), it is normal.

All the other archive log files generated normally after dfms RAC DB node 1 reboot.

IP	IP	IP	IP	IP				
10.13.67.171	10.13.67.188	10.13.67.173	10.13.67.174	10.13.67.175				
-rw-rw----	1	oracle	dba	296M	Oct	31	22:41	1_49643_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	22:36	5_37321_703296551.arc
-rw-rw----	1	oracle	dba	295M	Oct	31	22:26	1_49642_703296551.arc
-rw-rw----	1	oracle	dba	299M	Oct	31	22:20	1_49641_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	22:03	1_49640_703296551.arc
-rw-rw----	1	oracle	dba	46M	Oct	31	21:50	4_45241_703296551.arc
-rw-rw----	1	oracle	dba	295M	Oct	31	21:44	1_49639_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	21:20	1_49638_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	21:18	3_49331_703296551.arc
-rw-rw----	1	oracle	dba	297M	Oct	31	20:50	1_49637_703296551.arc
-rw-rw----	1	oracle	dba	109M	Oct	31	20:49	1_49636_703296551.arc
-rw-rw----	1	oracle	dba	298M	Oct	31	20:32	1_49635_703296551.arc
-rw-rw----	1	oracle	dba	234M	Oct	31	20:07	1_49634_703296551.arc
-rw-rw----	1	oracle	dba	122M	Oct	31	19:30	1_49633_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	19:17	1_49632_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	18:39	1_49631_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	18:28	5_37311_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	18:21	1_49630_703296551.arc
-rw-rw----	1	oracle	dba	294M	Oct	31	17:58	1_49629_703296551.arc

The AWR report (19:00~20:00) about user I/O wait (**Abnormal**)

Wait Class

- s - second
- cs - centisecond - 100th of a second
- ms - millisecond - 1000th of a second
- us - microsecond - 1000000th of a second
- ordered by wait time desc, waits desc

Wait Class	Waits	%Time -outs	Total Wait Time (s)	Avg wait (ms)	Waits /txn
Cluster	485,631	19.31	96,885	200	13.65
Commit	61,504	55.09	33,692	548	1.73
Other	1,462,076	85.32	12,898	9	41.11
Concurrency	84,433	7.05	3,036	36	2.37
System I/O	264,780	0.00	2,893	11	7.44
<u>User I/O</u>	16,441	1.68	2,390	145	0.46
Application	25,598	3.45	453	18	0.72
Configuration	1,488,241	99.99	431	0	41.85
Network	3,590,856	0.00	7	0	100.97

The AWR report (09:00~18:00) about user I/O wait (Normal)

Wait Class	Waits	%Time -outs	Total Wait Time (s)	Avg wait (ms)	Waits /txn
Cluster	8,537,488	0.00	7,990	1	10.75
<u>User I/O</u>	2,035,418	0.00	5,504	3	2.56
Other	10,884,174	64.51	2,829	0	13.70
System I/O	3,428,775	0.00	1,467	0	4.32
Commit	597,904	0.00	1,162	2	0.75
Application	739,827	0.09	526	1	0.93
Concurrency	920,188	0.82	503	1	1.16
Network	72,619,016	0.00	51	0	91.41
Configuration	8,527	93.85	3	0	0.01