Resolving RMAN-06059, ORA-19625, ORA-17503, ORA-15173 errors

I was trying to take a full backup of a database that had not been previously backed up. I issued the below commands:

rman <<EOF >> $LogFile

connect target /

connect catalog rman11gr2/Remote\_catalog\_password@REMOTECAT

run

{

 sql 'ALTER SYSTEM SWITCH LOGFILE';

 ALLOCATE CHANNEL disk1 DEVICE TYPE DISK FORMAT '/dbbackup02/PRODDB/backups/%d\_db\_%T\_%U.bus';

 ALLOCATE CHANNEL disk2 DEVICE TYPE DISK FORMAT '/dbbackup02/PRODDB/backups/%d\_db\_%T\_%U.bus';

 ALLOCATE CHANNEL disk3 DEVICE TYPE DISK FORMAT '/dbbackup02/PRODDB/backups/%d\_db\_%T\_%U.bus';

 backup AS COMPRESSED backupset

 tag = "$Tag"

 filesperset 3

 database include current controlfile

 plus archivelog

 filesperset 3

 delete input;

 release channel disk1;

 release channel disk2;

 release channel disk3;

 crosscheck backup;

 delete noprompt expired backup;

 delete noprompt obsolete;

}

report need backup;

list backup summary;

list backup;

resync catalog;

exit;

EOF

The output with an error was:

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RMAN>

connected to target database: PRODDB (DBID=408587896)

RMAN>

connected to recovery catalog database

RMAN> 2> 3> 4> 5> 6> 7> 8> 9> 10> 11> 12> 13> 14> 15> 16> 17> 18> 19> 20> 21> 22> 23> 24>

sql statement: ALTER SYSTEM SWITCH LOGFILE

allocated channel: disk1

channel disk1: SID=1062 instance=PRODDB2 device type=DISK

allocated channel: disk2

channel disk2: SID=1348 instance=PRODDB2 device type=DISK

allocated channel: disk3

channel disk3: SID=1444 instance=PRODDB2 device type=DISK

Starting backup at 06-JAN-17

current log archived

released channel: disk1

released channel: disk2

released channel: disk3

RMAN-00571: ===========================================================

RMAN-00569: =============== ERROR MESSAGE STACK FOLLOWS ===============

RMAN-00571: ===========================================================

RMAN-03002: failure of backup plus archivelog command at 01/06/2017 11:49:29

RMAN-06059: expected archived log not found, loss of archived log compromises recoverability

ORA-19625: error identifying file +DG\_ASMCLU\_ARCH/PRODDB/arch/1\_258\_822932881.dbf

ORA-17503: ksfdopn:2 Failed to open file +DG\_ASMCLU\_ARCH/PRODDB/arch/1\_258\_822932881.dbf

ORA-15173: entry '1\_258\_822932881.dbf' does not exist in directory 'arch'

RMAN>

RMAN>

RMAN retention policy will be applied to the command

RMAN retention policy is set to redundancy 1

Report of files with less than 1 redundant backups

File #bkps Name

---- ----- -----------------------------------------------------

1 0 +DG\_ASMCLU\_ORA9/PRODDB/system01.dbf

2 0 +DG\_ASMCLU\_ORA9/PRODDB/sysaux01.dbf

3 0 +DG\_ASMCLU\_ORA9/PRODDB/undotbs01.dbf

4 0 +DG\_ASMCLU\_ORA9/PRODDB/users01.dbf

5 0 +DG\_ASMCLU\_ORA2/PRODDB/undotbs02.dbf

6 0 +DG\_ASMCLU\_ORA9/PRODDB/blob\_data\_01.dbf

7 0 +DG\_ASMCLU\_ORA9/PRODDB/cust\_index\_01.dbf

8 0 +DG\_ASMCLU\_ORA9/PRODDB/file\_data\_01.dbf

9 0 +DG\_ASMCLU\_ORA9/PRODDB/file\_index\_01.dbf

10 0 +DG\_ASMCLU\_ORA9/PRODDB/cust\_data\_01.dbf

RMAN>

specification does not match any backup in the repository

RMAN>

specification does not match any backup in the repository

RMAN>

RMAN>

starting full resync of recovery catalog

full resync complete

RMAN>

RMAN>

Recovery Manager complete.

I decided to cross check and delete the archive log files:

[nygrid24-PRODDB2] rman target /

Recovery Manager: Release 11.2.0.3.0 - Production on Fri Jan 6 12:05:53 2017

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connected to target database: PRODDB (DBID=408587896)

RMAN> CROSSCHECK ARCHIVELOG ALL;

using target database control file instead of recovery catalog

allocated channel: ORA\_DISK\_1

channel ORA\_DISK\_1: SID=1444 instance=PRODDB2 device type=DISK

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_270\_822932881.dbf RECID=522 STAMP=932073181

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_271\_822932881.dbf RECID=524 STAMP=932385628

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_272\_822932881.dbf RECID=526 STAMP=932488487

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_273\_822932881.dbf RECID=527 STAMP=932488496

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_274\_822932881.dbf RECID=530 STAMP=932557503

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_275\_822932881.dbf RECID=533 STAMP=932557622

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_276\_822932881.dbf RECID=536 STAMP=932557763

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_253\_822932881.dbf RECID=523 STAMP=932094023

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_254\_822932881.dbf RECID=525 STAMP=932488350

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_255\_822932881.dbf RECID=528 STAMP=932557495

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_256\_822932881.dbf RECID=529 STAMP=932557502

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_257\_822932881.dbf RECID=531 STAMP=932557611

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_258\_822932881.dbf RECID=532 STAMP=932557618

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_259\_822932881.dbf RECID=534 STAMP=932557753

validation succeeded for archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_260\_822932881.dbf RECID=535 STAMP=932557759

Crosschecked 15 objects

RMAN> DELETE EXPIRED ARCHIVELOG ALL;

released channel: ORA\_DISK\_1

allocated channel: ORA\_DISK\_1

channel ORA\_DISK\_1: SID=1444 instance=PRODDB2 device type=DISK

specification does not match any archived log in the repository

Despite the above succeeding, I still got the same error message. I then consulted a friend and realized that I was having a "duh moment". The problem archive log was in the remote catalog. Ran the commands as follows:

rman target /

connect catalog rman11gr2/Remote\_catalog\_password@REMOTECAT

delete obsolete;

RMAN retention policy will be applied to the command

RMAN retention policy is set to redundancy 1

using channel ORA\_DISK\_1

Deleting the following obsolete backups and copies:

Type Key Completion Time Filename/Handle

-------------------- ------ ------------------ --------------------

Archive Log 252263982 05-NOV-16 +DG\_ASMCLU\_ARCH/PRODDB/arch/1\_258\_822932881.dbf

Archive Log 252263983 08-NOV-16 +DG\_ASMCLU\_ARCH/PRODDB/arch/2\_243\_822932881.dbf

Archive Log 252263984 11-NOV-16 +DG\_ASMCLU\_ARCH/PRODDB/arch/1\_259\_822932881.dbf

Archive Log 252263985 14-NOV-16 +DG\_ASMCLU\_ARCH/PRODDB/arch/2\_244\_822932881.dbf

Archive Log 252263986 14-NOV-16 +DG\_ASMCLU\_ARCH/PRODDB/arch/1\_260\_822932881.dbf

Archive Log 252263987 18-NOV-16 +DG\_ASMCLU\_ARCH/PRODDB/arch/1\_261\_822932881.dbf

Do you really want to delete the above objects (enter YES or NO)? y

deleted archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_258\_822932881.dbf RECID=500 STAMP=927082840

deleted archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_243\_822932881.dbf RECID=501 STAMP=927407922

deleted archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_259\_822932881.dbf RECID=502 STAMP=927630049

deleted archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/2\_244\_822932881.dbf RECID=503 STAMP=927915723

deleted archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_260\_822932881.dbf RECID=504 STAMP=927925936

deleted archived log

archived log file name=+DG\_ASMCLU\_ARCH/PRODDB/arch/1\_261\_822932881.dbf RECID=505 STAMP=928271851

Deleted 6 objects

After this, the script completed successfully.