

RMAN usage and Control files Recovery from datafiles and log files

RMAN back up your live database and its archive log files. Every time RMAN is used, there will be at least two sessions launched against the target database: these are known as the default session and the polling session. The default session is the session that invokes the kernelized PL/SQL (kernelized PL/SQL is PL/SQL that is available to the instance before a database has been mounted or opened) that implements RMAN; the polling session monitors the progress of RMAN operations. Whenever RMAN reads or writes a disk or tape, it will need a third session: a channel. The information used by the RMAN commands REPORT and LIST, LIST tells you about backups that have been made, whereas REPORT tells you what needs to be backed up and, the information displayed in the dynamic performance views, is drawn from the RMAN repository: data stored in the controlfile of the target database. It says nothing about reality—whether the backup files actually still exist.

A DELETE EXPIRED command does not delete any files; it only updates the RMAN repository. A DELETE OBSOLETE will physically delete files and update the repository accordingly.

```
$ rman target /
```

```
RMAN> show all;
```

```
RMAN configuration parameters for database with db_unique_name CODAPROD are:
CONFIGURE RETENTION POLICY TO REDUNDANCY 8;
CONFIGURE BACKUP OPTIMIZATION OFF; # default
CONFIGURE DEFAULT DEVICE TYPE TO DISK; # default
CONFIGURE CONTROLFILE AUTOBACKUP ON;
CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO
'/ora_fra/CODAPROD/autobackup/%F';
CONFIGURE DEVICE TYPE DISK PARALLELISM 1 BACKUP TYPE TO BACKUPSET; # default
CONFIGURE DATAFILE BACKUP COPIES FOR DEVICE TYPE DISK TO 1; # default
CONFIGURE ARCHIVELOG BACKUP COPIES FOR DEVICE TYPE DISK TO 1; # default
CONFIGURE CHANNEL DEVICE TYPE DISK FORMAT '/ora_fra/CODAPROD/dbbackup/%U';
CONFIGURE MAXSETSIZE TO UNLIMITED; # default
CONFIGURE ENCRYPTION FOR DATABASE OFF; # default
CONFIGURE ENCRYPTION ALGORITHM 'AES128'; # default
CONFIGURE COMPRESSION ALGORITHM 'BASIC' AS OF RELEASE 'DEFAULT' OPTIMIZE FOR
LOAD TRUE ; # default
CONFIGURE ARCHIVELOG DELETION POLICY TO NONE;
CONFIGURE SNAPSHOT CONTROLFILE NAME TO
'/u01/app/oracle/product/11.2.0/dbhome_1/dbs/snapcf_codaprod.f'; # default
```

```
RMAN> list failure;
```

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no failures found that match specification
```

```
RMAN> list backup of database;
```

BS Key	Type	LV	Size	Device Type	Elapsed Time	Completion Time
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11222 Full 686.06G DISK 02:03:26 06-DEC-15
BP Key: 11222 Status: EXPIRED Compressed: NO Tag:
TAG20151205T230122

Piece Name: /ora_fra/CODAPROD/dbbackup/vbqo3cq3_1_1

List of Datafiles in backup set 11222

File	LV	Type	Ckp	SCN	Ckp Time	Name
1		Full	3974944703	05-DEC-15		/u01/app/oracle/oradata/codaprod/system01.dbf
2		Full	3974944703	05-DEC-15		/u01/app/oracle/oradata/codaprod/sysaux01.dbf
3		Full	3974944703	05-DEC-15		/ora_idx3/idxfile5.dbf
4		Full	3974944703	05-DEC-15		/u01/app/oracle/oradata/codaprod/users01.dbf
5		Full	3974944703	05-DEC-15		/ora_data/datafile1.dbf
6		Full	3974944703	05-DEC-15		/ora_idx/idxfile1.dbf
7		Full	3974944703	05-DEC-15		/ora_data/datafile2.dbf
8		Full	3974944703	05-DEC-15		/u01/app/oracle/oradata/codaprod/perfstat01.dbf
9		Full	3974944703	05-DEC-15		/ora_data/datafile3.dbf
10		Full	3974944703	05-DEC-15		/ora_idx/idxfile2.dbf
11		Full	3974944703	05-DEC-15		/ora_data2/datafile4.dbf
12		Full	3974944703	05-DEC-15		/ora_idx2/idxfile3.dbf
13		Full	3974944703	05-DEC-15		/ora_idx2/idxfile4.dbf
14		Full	3974944703	05-DEC-15		/u01/app/oracle/oradata/codaprod/undotbs02.dbf
15		Full	3974944703	05-DEC-15		/ora_data2/datafile5.dbf
16		Full	3974944703	05-DEC-15		/ora_idx3/idxfile6.dbf
17		Full	3974944703	05-DEC-15		/ora_idx4/idxfile7.dbf
18		Full	3974944703	05-DEC-15		/ora_data3/datafile6.dbf
19		Full	3974944703	05-DEC-15		/ora_idx4/idxfile8.dbf
20		Full	3974944703	05-DEC-15		/ora_idx5/idxfile9.dbf
21		Full	3974944703	05-DEC-15		/ora_data3/datafile7.dbf
22		Full	3974944703	05-DEC-15		/ora_data4/datafile8.dbf
23		Full	3974944703	05-DEC-15		/ora_idx5/idxfile10.dbf
24		Full	3974944703	05-DEC-15		/ora_data4/datafile9.dbf
25		Full	3974944703	05-DEC-15		/ora_data5/datafile10.dbf
26		Full	3974944703	05-DEC-15		/ora_data5/datafile11.dbf
27		Full	3974944703	05-DEC-15		/ora_idx6/idxfile11.dbf
28		Full	3974944703	05-DEC-15		/ora_idx6/idxfile12.dbf
29		Full	3974944703	05-DEC-15		/ora_idx7/idxfile13.dbf
30		Full	3974944703	05-DEC-15		/ora_idx7/idxfile14.dbf

BS Key	Type	LV	Size	Device	Type	Elapsed Time	Completion Time
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11227 Full 686.11G DISK 01:49:49 07-DEC-15
BP Key: 11227 Status: EXPIRED Compressed: NO Tag:
TAG20151206T230115

Piece Name: /ora_fra/CODAPROD/dbbackup/vgqo615r_1_1

List of Datafiles in backup set 11227

File	LV	Type	Ckp	SCN	Ckp Time	Name
1		Full	3975564489	06-DEC-15		/u01/app/oracle/oradata/codaprod/system01.dbf

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2          Full 3975564489 06-DEC-15
/u01/app/oracle/oradata/codaprod/sysaux01.dbf
3          Full 3975564489 06-DEC-15 /ora_idx3/idxfile5.dbf
4          Full 3975564489 06-DEC-15
/u01/app/oracle/oradata/codaprod/users01.dbf
5          Full 3975564489 06-DEC-15 /ora_data/datafile1.dbf
6          Full 3975564489 06-DEC-15 /ora_idx/idxfile1.dbf
7          Full 3975564489 06-DEC-15 /ora_data/datafile2.dbf
8          Full 3975564489 06-DEC-15
/u01/app/oracle/oradata/codaprod/perfstat01.dbf
9          Full 3975564489 06-DEC-15 /ora_data/datafile3.dbf
10         Full 3975564489 06-DEC-15 /ora_idx/idxfile2.dbf
11         Full 3975564489 06-DEC-15 /ora_data2/datafile4.dbf
12         Full 3975564489 06-DEC-15 /ora_idx2/idxfile3.dbf
13         Full 3975564489 06-DEC-15 /ora_idx2/idxfile4.dbf
14         Full 3975564489 06-DEC-15
/u01/app/oracle/oradata/codaprod/undotbs02.dbf
15         Full 3975564489 06-DEC-15 /ora_data2/datafile5.dbf
16         Full 3975564489 06-DEC-15 /ora_idx3/idxfile6.dbf
17         Full 3975564489 06-DEC-15 /ora_idx4/idxfile7.dbf
18         Full 3975564489 06-DEC-15 /ora_data3/datafile6.dbf
19         Full 3975564489 06-DEC-15 /ora_idx4/idxfile8.dbf
20         Full 3975564489 06-DEC-15 /ora_idx5/idxfile9.dbf
21         Full 3975564489 06-DEC-15 /ora_data3/datafile7.dbf
22         Full 3975564489 06-DEC-15 /ora_data4/datafile8.dbf
23         Full 3975564489 06-DEC-15 /ora_idx5/idxfile10.dbf
24         Full 3975564489 06-DEC-15 /ora_data4/datafile9.dbf
25         Full 3975564489 06-DEC-15 /ora_data5/datafile10.dbf
26         Full 3975564489 06-DEC-15 /ora_data5/datafile11.dbf
27         Full 3975564489 06-DEC-15 /ora_idx6/idxfile11.dbf
28         Full 3975564489 06-DEC-15 /ora_idx6/idxfile12.dbf
29         Full 3975564489 06-DEC-15 /ora_idx7/idxfile13.dbf
30         Full 3975564489 06-DEC-15 /ora_idx7/idxfile14.dbf

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BS Key	Type	LV	Size	Device	Type	Elapsed Time	Completion Time
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11231    Full      687.12G    DISK          01:51:10      08-DEC-15
      BP Key: 11231   Status: EXPIRED  Compressed: NO   Tag:
TAG20151207T230124

```

Piece Name: /ora_fra/CODAPROD/dbbackup/vkqo8li5_1_1

List of Datafiles in backup set 11231

File	LV	Type	Ckp	SCN	Ckp Time	Name
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1          Full 3978968269 07-DEC-15
/u01/app/oracle/oradata/codaprod/system01.dbf
2          Full 3978968269 07-DEC-15
/u01/app/oracle/oradata/codaprod/sysaux01.dbf
3          Full 3978968269 07-DEC-15 /ora_idx3/idxfile5.dbf
4          Full 3978968269 07-DEC-15
/u01/app/oracle/oradata/codaprod/users01.dbf
5          Full 3978968269 07-DEC-15 /ora_data/datafile1.dbf
6          Full 3978968269 07-DEC-15 /ora_idx/idxfile1.dbf
7          Full 3978968269 07-DEC-15 /ora_data/datafile2.dbf
8          Full 3978968269 07-DEC-15
/u01/app/oracle/oradata/codaprod/perfstat01.dbf

```

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9      Full 3978968269 07-DEC-15 /ora_data/datafile3.dbf
10     Full 3978968269 07-DEC-15 /ora_idx/idxfile2.dbf
11     Full 3978968269 07-DEC-15 /ora_data2/datafile4.dbf
12     Full 3978968269 07-DEC-15 /ora_idx2/idxfile3.dbf
13     Full 3978968269 07-DEC-15 /ora_idx2/idxfile4.dbf
14     Full 3978968269 07-DEC-15
/u01/app/oracle/oradata/codaprod/undotbs02.dbf
15     Full 3978968269 07-DEC-15 /ora_data2/datafile5.dbf
16     Full 3978968269 07-DEC-15 /ora_idx3/idxfile6.dbf
17     Full 3978968269 07-DEC-15 /ora_idx4/idxfile7.dbf
18     Full 3978968269 07-DEC-15 /ora_data3/datafile6.dbf
19     Full 3978968269 07-DEC-15 /ora_idx4/idxfile8.dbf
20     Full 3978968269 07-DEC-15 /ora_idx5/idxfile9.dbf
21     Full 3978968269 07-DEC-15 /ora_data3/datafile7.dbf
22     Full 3978968269 07-DEC-15 /ora_data4/datafile8.dbf
23     Full 3978968269 07-DEC-15 /ora_idx5/idxfile10.dbf
24     Full 3978968269 07-DEC-15 /ora_data4/datafile9.dbf
25     Full 3978968269 07-DEC-15 /ora_data5/datafile10.dbf
26     Full 3978968269 07-DEC-15 /ora_data5/datafile11.dbf
27     Full 3978968269 07-DEC-15 /ora_idx6/idxfile11.dbf
28     Full 3978968269 07-DEC-15 /ora_idx6/idxfile12.dbf
29     Full 3978968269 07-DEC-15 /ora_idx7/idxfile13.dbf
30     Full 3978968269 07-DEC-15 /ora_idx7/idxfile14.dbf

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BS Key	Type	LV	Size	Device	Type	Elapsed Time	Completion Time
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11237 Full      688.36G      DISK          01:43:58      09-DEC-15
      BP Key: 11237      Status: EXPIRED Compressed: NO Tag:
TAG20151208T230124

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Piece Name: /ora_fra/CODAPROD/dbbackup/vqqob9u5_1_1

List of Datafiles in backup set 11237

File	LV	Type	Ckp	SCN	Ckp Time	Name
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1      Full 3983947958 08-DEC-15
/u01/app/oracle/oradata/codaprod/system01.dbf
2      Full 3983947958 08-DEC-15
/u01/app/oracle/oradata/codaprod/sysaux01.dbf
3      Full 3983947958 08-DEC-15 /ora_idx3/idxfile5.dbf
4      Full 3983947958 08-DEC-15
/u01/app/oracle/oradata/codaprod/users01.dbf
5      Full 3983947958 08-DEC-15 /ora_data/datafile1.dbf
6      Full 3983947958 08-DEC-15 /ora_idx/idxfile1.dbf
7      Full 3983947958 08-DEC-15 /ora_data/datafile2.dbf
8      Full 3983947958 08-DEC-15
/u01/app/oracle/oradata/codaprod/perfstat01.dbf
9      Full 3983947958 08-DEC-15 /ora_data/datafile3.dbf
10     Full 3983947958 08-DEC-15 /ora_idx/idxfile2.dbf
11     Full 3983947958 08-DEC-15 /ora_data2/datafile4.dbf
12     Full 3983947958 08-DEC-15 /ora_idx2/idxfile3.dbf
13     Full 3983947958 08-DEC-15 /ora_idx2/idxfile4.dbf
14     Full 3983947958 08-DEC-15
/u01/app/oracle/oradata/codaprod/undotbs02.dbf
15     Full 3983947958 08-DEC-15 /ora_data2/datafile5.dbf
16     Full 3983947958 08-DEC-15 /ora_idx3/idxfile6.dbf
17     Full 3983947958 08-DEC-15 /ora_idx4/idxfile7.dbf

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18	Full	3983947958	08-DEC-15	/ora_data3/datafile6.dbf
19	Full	3983947958	08-DEC-15	/ora_idx4/idxfile8.dbf
20	Full	3983947958	08-DEC-15	/ora_idx5/idxfile9.dbf
21	Full	3983947958	08-DEC-15	/ora_data3/datafile7.dbf
22	Full	3983947958	08-DEC-15	/ora_data4/datafile8.dbf
23	Full	3983947958	08-DEC-15	/ora_idx5/idxfile10.dbf
24	Full	3983947958	08-DEC-15	/ora_data4/datafile9.dbf
25	Full	3983947958	08-DEC-15	/ora_data5/datafile10.dbf
26	Full	3983947958	08-DEC-15	/ora_data5/datafile11.dbf
27	Full	3983947958	08-DEC-15	/ora_idx6/idxfile11.dbf
28	Full	3983947958	08-DEC-15	/ora_idx6/idxfile12.dbf
29	Full	3983947958	08-DEC-15	/ora_idx7/idxfile13.dbf
30	Full	3983947958	08-DEC-15	/ora_idx7/idxfile14.dbf

BS Key	Type	LV	Size	Device	Type	Elapsed Time	Completion Time
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11244	Full		689.25G	DISK		01:50:22	10-DEC-15
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BP Key: 11244 Status: EXPIRED Compressed: NO Tag:

TAG20151209T230125

Piece Name: /ora_fra/CODAPROD/dbbackup/01qodua5_1_1

List of Datafiles in backup set 11244

File	LV	Type	Ckp	SCN	Ckp Time	Name
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1	Full	3988919866	09-DEC-15			
/u01/app/oracle/oradata/codaprod/system01.dbf						
2	Full	3988919866	09-DEC-15			
/u01/app/oracle/oradata/codaprod/sysaux01.dbf						
3	Full	3988919866	09-DEC-15			/ora_idx3/idxfile5.dbf
4	Full	3988919866	09-DEC-15			
/u01/app/oracle/oradata/codaprod/users01.dbf						
5	Full	3988919866	09-DEC-15			/ora_data/datafile1.dbf
6	Full	3988919866	09-DEC-15			/ora_idx/idxfile1.dbf
7	Full	3988919866	09-DEC-15			/ora_data/datafile2.dbf
8	Full	3988919866	09-DEC-15			
/u01/app/oracle/oradata/codaprod/perfstat01.dbf						
9	Full	3988919866	09-DEC-15			/ora_data/datafile3.dbf
10	Full	3988919866	09-DEC-15			/ora_idx/idxfile2.dbf
11	Full	3988919866	09-DEC-15			/ora_data2/datafile4.dbf
12	Full	3988919866	09-DEC-15			/ora_idx2/idxfile3.dbf
13	Full	3988919866	09-DEC-15			/ora_idx2/idxfile4.dbf
14	Full	3988919866	09-DEC-15			
/u01/app/oracle/oradata/codaprod/undotbs02.dbf						
15	Full	3988919866	09-DEC-15			/ora_data2/datafile5.dbf
16	Full	3988919866	09-DEC-15			/ora_idx3/idxfile6.dbf
17	Full	3988919866	09-DEC-15			/ora_idx4/idxfile7.dbf
18	Full	3988919866	09-DEC-15			/ora_data3/datafile6.dbf
19	Full	3988919866	09-DEC-15			/ora_idx4/idxfile8.dbf
20	Full	3988919866	09-DEC-15			/ora_idx5/idxfile9.dbf
21	Full	3988919866	09-DEC-15			/ora_data3/datafile7.dbf
22	Full	3988919866	09-DEC-15			/ora_data4/datafile8.dbf
23	Full	3988919866	09-DEC-15			/ora_idx5/idxfile10.dbf
24	Full	3988919866	09-DEC-15			/ora_data4/datafile9.dbf
25	Full	3988919866	09-DEC-15			/ora_data5/datafile10.dbf
26	Full	3988919866	09-DEC-15			/ora_data5/datafile11.dbf
27	Full	3988919866	09-DEC-15			/ora_idx6/idxfile11.dbf

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28      Full 3988919866 09-DEC-15 /ora_idx6/idxfile12.dbf
29      Full 3988919866 09-DEC-15 /ora_idx7/idxfile13.dbf
30      Full 3988919866 09-DEC-15 /ora_idx7/idxfile14.dbf

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BS Key  Type LV Size          Device Type Elapsed Time Completion Time
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11251   Full      690.36G      DISK              01:47:14      11-DEC-15

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      BP Key: 11251      Status: AVAILABLE Compressed: NO Tag:

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TAG20151210T230125

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```

      Piece Name: /ora_fra/CODAPROD/dbbackup/08qogim6_1_1

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      List of Datafiles in backup set 11251

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      File LV Type Ckp SCN      Ckp Time  Name
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      1      Full 3991996165 10-DEC-15
/u01/app/oracle/oradata/codaprod/system01.dbf
      2      Full 3991996165 10-DEC-15
/u01/app/oracle/oradata/codaprod/sysaux01.dbf
      3      Full 3991996165 10-DEC-15 /ora_idx3/idxfile5.dbf
      4      Full 3991996165 10-DEC-15
/u01/app/oracle/oradata/codaprod/users01.dbf
      5      Full 3991996165 10-DEC-15 /ora_data/datafile1.dbf
      6      Full 3991996165 10-DEC-15 /ora_idx/idxfile1.dbf
      7      Full 3991996165 10-DEC-15 /ora_data/datafile2.dbf
      8      Full 3991996165 10-DEC-15
/u01/app/oracle/oradata/codaprod/perfstat01.dbf
      9      Full 3991996165 10-DEC-15 /ora_data/datafile3.dbf
     10      Full 3991996165 10-DEC-15 /ora_idx/idxfile2.dbf
     11      Full 3991996165 10-DEC-15 /ora_data2/datafile4.dbf
     12      Full 3991996165 10-DEC-15 /ora_idx2/idxfile3.dbf
     13      Full 3991996165 10-DEC-15 /ora_idx2/idxfile4.dbf
     14      Full 3991996165 10-DEC-15
/u01/app/oracle/oradata/codaprod/undotbs02.dbf
     15      Full 3991996165 10-DEC-15 /ora_data2/datafile5.dbf
     16      Full 3991996165 10-DEC-15 /ora_idx3/idxfile6.dbf
     17      Full 3991996165 10-DEC-15 /ora_idx4/idxfile7.dbf
     18      Full 3991996165 10-DEC-15 /ora_data3/datafile6.dbf
     19      Full 3991996165 10-DEC-15 /ora_idx4/idxfile8.dbf
     20      Full 3991996165 10-DEC-15 /ora_idx5/idxfile9.dbf
     21      Full 3991996165 10-DEC-15 /ora_data3/datafile7.dbf
     22      Full 3991996165 10-DEC-15 /ora_data4/datafile8.dbf
     23      Full 3991996165 10-DEC-15 /ora_idx5/idxfile10.dbf
     24      Full 3991996165 10-DEC-15 /ora_data4/datafile9.dbf
     25      Full 3991996165 10-DEC-15 /ora_data5/datafile10.dbf
     26      Full 3991996165 10-DEC-15 /ora_data5/datafile11.dbf
     27      Full 3991996165 10-DEC-15 /ora_idx6/idxfile11.dbf
     28      Full 3991996165 10-DEC-15 /ora_idx6/idxfile12.dbf
     29      Full 3991996165 10-DEC-15 /ora_idx7/idxfile13.dbf
     30      Full 3991996165 10-DEC-15 /ora_idx7/idxfile14.dbf

```

crosscheck command queries the repository to find details of what whole backups have been made of the database, and then goes to the storage device(s) to see if the pieces do in fact exist. For pieces on disk, the disk directory is read and the file header validated; for pieces on tape, only the tape directory is read. Any pieces that no longer exist are flagged in the repository as EXPIRED.

RMAN> crosscheck backup;

crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=/ora_fra/CODAPROD/dbbackup/04qoe4qu_1_1 RECID=11247
STAMP=898044767
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=/ora_fra/CODAPROD/dbbackup/05qoe4sd_1_1 RECID=11248
STAMP=898044814
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=/ora_fra/CODAPROD/dbbackup/06qoe4ts_1_1 RECID=11249
STAMP=898044861
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-01
RECID=11250 STAMP=898044908
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=/ora_fra/CODAPROD/dbbackup/08qogim6_1_1 RECID=11251
STAMP=898124488
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-00
RECID=11252 STAMP=898130924
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/dbbackup/0aqogovj_1_1 RECID=11253
STAMP=898130931
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/dbbackup/0bqogp12_1_1 RECID=11254
STAMP=898130979
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/dbbackup/0cqogp2i_1_1 RECID=11255
STAMP=898131027
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-02
RECID=11256 STAMP=898150888
Crosschecked 785 objects

RMAN>delete expired backup;

RMAN>delete expired archivelog all;

RMAN> crosscheck backup;

using channel ORA_DISK_1
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151208-00
RECID=11232 STAMP=897871964
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151208-01
RECID=11236 STAMP=897872147
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151209-00
RECID=11238 STAMP=897957932
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151209-01
RECID=11243 STAMP=897958223
crosschecked backup piece: found to be 'AVAILABLE'

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-00
RECID=11245 STAMP=898044713
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-01
RECID=11250 STAMP=898044908
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-00
RECID=11252 STAMP=898130924
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/dbbackup/0aqogovj_1_1 RECID=11253
STAMP=898130931
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/dbbackup/0bqogp12_1_1 RECID=11254
STAMP=898130979
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/dbbackup/0cqogp2i_1_1 RECID=11255
STAMP=898131027
crosschecked backup piece: found to be 'AVAILABLE'
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-02
RECID=11256 STAMP=898150888
Crosschecked 11 objects

RMAN> crosscheck archivelog all;

released channel: ORA_DISK_1
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=199 device type=DISK
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118974_828728559.arlog RECID=198306
STAMP=898150674
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118975_828728559.arlog RECID=198305
STAMP=898150673
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118976_828728559.arlog RECID=198307
STAMP=898150692
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118977_828728559.arlog RECID=198308
STAMP=898150697
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118978_828728559.arlog RECID=198309
STAMP=898150704
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118979_828728559.arlog RECID=198310
STAMP=898150713
validation succeeded for archived log

archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118980_828728559.arlog RECID=198311
STAMP=898150720
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118981_828728559.arlog RECID=198312
STAMP=898150725
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118982_828728559.arlog RECID=198313
STAMP=898150731
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118983_828728559.arlog RECID=198314
STAMP=898150737
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118984_828728559.arlog RECID=198315
STAMP=898150743
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118985_828728559.arlog RECID=198316
STAMP=898150748
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118986_828728559.arlog RECID=198317
STAMP=898150752
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118987_828728559.arlog RECID=198318
STAMP=898150757
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118988_828728559.arlog RECID=198319
STAMP=898150760
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118989_828728559.arlog RECID=198320
STAMP=898150764
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118990_828728559.arlog RECID=198321
STAMP=898150768
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118991_828728559.arlog RECID=198322
STAMP=898150772
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118992_828728559.arlog RECID=198323
STAMP=898150776
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118993_828728559.arlog RECID=198324
STAMP=898150779

validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118994_828728559.arlog RECID=198325
STAMP=898150782
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118995_828728559.arlog RECID=198326
STAMP=898150785
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118996_828728559.arlog RECID=198327
STAMP=898150788
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118997_828728559.arlog RECID=198328
STAMP=898150791
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118998_828728559.arlog RECID=198329
STAMP=898150793
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118999_828728559.arlog RECID=198330
STAMP=898150796
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119000_828728559.arlog RECID=198331
STAMP=898150798
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119001_828728559.arlog RECID=198332
STAMP=898150801
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119002_828728559.arlog RECID=198333
STAMP=898150804
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119003_828728559.arlog RECID=198334
STAMP=898150808
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119004_828728559.arlog RECID=198335
STAMP=898150813
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119005_828728559.arlog RECID=198336
STAMP=898150817
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119006_828728559.arlog RECID=198337
STAMP=898150822
validation succeeded for archived log

archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119007_828728559.arlog RECID=198338
STAMP=898150827
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119008_828728559.arlog RECID=198339
STAMP=898150831
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119009_828728559.arlog RECID=198340
STAMP=898150836
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119010_828728559.arlog RECID=198341
STAMP=898150840
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119011_828728559.arlog RECID=198342
STAMP=898150850
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119012_828728559.arlog RECID=198343
STAMP=898150855
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119013_828728559.arlog RECID=198344
STAMP=898150858
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119014_828728559.arlog RECID=198345
STAMP=898150862
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119015_828728559.arlog RECID=198346
STAMP=898150864
validation succeeded for archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119016_828728559.arlog RECID=198347
STAMP=898150865
validation succeeded for archived log
archived log file name=/ora_fra/oradata/codaprod/archivelog/1_1_898150868.arlog
RECID=198348 STAMP=898207220
validation succeeded for archived log
archived log file name=/ora_fra/oradata/codaprod/archivelog/1_2_898150868.arlog
RECID=198349 STAMP=898284205
validation succeeded for archived log
archived log file name=/ora_fra/oradata/codaprod/archivelog/1_3_898150868.arlog
RECID=198350 STAMP=898370644
Crosschecked 46 objects

RMAN> report obsolete;

RMAN> delete obsolete;

RMAN>

codarpt:oracle@/home/oracle\$df -g

Filesystem	GB blocks	Free	%Used	Iused	%Iused	Mounted on
/dev/hd4	2.00	1.74	14%	11828	3%	/
/dev/hd2	10.00	3.21	68%	69627	9%	/usr
/dev/hd9var	4.00	2.89	28%	12441	2%	/var
/dev/hd3	4.00	2.26	44%	2491	1%	/tmp
/dev/hd1	6.00	0.83	87%	35397	16%	/home
/dev/hd11admin	1.00	1.00	1%	5	1%	/admin
/proc	-	-	-	-	-	/proc
/dev/hd10opt	4.00	2.23	45%	19853	4%	/opt
/dev/livedump	0.25	0.25	1%	4	1%	/var/adm/ras/livedump
/dev/codaadmlv	2.00	1.95	3%	101	1%	/coda
/dev/u02lv	30.00	11.09	64%	39204	2%	/u02
/dev/mon_fralv	10.00	9.92	1%	19	1%	/monthly
/dev/mon_backuplv	800.00	134.12	84%	9	1%	/mon_backup
/dev/mon_data1lv	60.50	0.25	100%	7	1%	/mon_data1
/dev/mon_data2lv	60.50	0.25	100%	7	1%	/mon_data2
/dev/mon_idx1lv	60.50	0.25	100%	7	1%	/mon_idx1
/dev/mon_idx2lv	60.50	0.25	100%	7	1%	/mon_idx2
/dev/mon_templatev	16.50	2.66	84%	21	1%	/mon_temp
/dev/u01lv	50.00	10.51	79%	38935	2%	/u01
/dev/ora_fralv	750.00	241.24	68%	1992	1%	/ora_fra
/dev/ora_data1lv	90.50	0.13	100%	7	1%	/ora_data
/dev/ora_data2lv	60.50	0.25	100%	6	1%	/ora_data2
/dev/ora_idx1lv	60.50	0.25	100%	6	1%	/ora_idx
/dev/ora_idx2lv	60.50	0.25	100%	6	1%	/ora_idx2
/dev/ora_idx3lv	60.50	0.25	100%	6	1%	/ora_idx3
/dev/ora_templatev	50.50	50.26	1%	27	1%	/ora_temp
/dev/ora_backuplv	2.00	1.97	2%	7	1%	/ora_backup
/dev/history_lv	0.12	0.12	2%	26	1%	/var/adm/history
/dev/mon_idx3lv	60.50	0.25	100%	6	1%	/mon_idx3
/dev/ora_idx4lv	60.50	0.25	100%	6	1%	/ora_idx4
/dev/mon_data3lv	60.50	0.25	100%	6	1%	/mon_data3
/dev/ora_data3lv	60.50	0.25	100%	6	1%	/ora_data3
/dev/mon_idx4lv	60.50	0.25	100%	6	1%	/mon_idx4
/dev/ora_idx5lv	60.50	0.25	100%	6	1%	/ora_idx5
/dev/ora_data4lv	60.50	0.25	100%	6	1%	/ora_data4
/dev/ora_data5lv	60.50	0.25	100%	6	1%	/ora_data5
/dev/ora_idx6lv	60.50	0.25	100%	6	1%	/ora_idx6
/dev/ora_idx7lv	60.50	0.25	100%	6	1%	/ora_idx7

codarpt:oracle@/home/oracle\$rman target /

Recovery Manager: Release 11.2.0.2.0 - Production on Mon Dec 14 16:02:43 2015

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connected to target database: CODAPROD (DBID=1057852613)

RMAN> delete backupset;

using target database control file instead of recovery catalog

allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=199 device type=DISK

List of Backup Pieces

BP Key	BS Key	Pc#	Cp#	Status	Device Type	Piece Name
11232	11232	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151208-00
11236	11236	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151208-01
11238	11238	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151209-00
11243	11243	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151209-01
11245	11245	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-00
11250	11250	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-01
11252	11252	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-00
11253	11253	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/dbbackup/0aqogovj_1_1
11254	11254	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/dbbackup/0bqogp12_1_1
11255	11255	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/dbbackup/0cqogp2i_1_1
11256	11256	1	1	AVAILABLE	DISK	/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-02

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

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151208-00

RECID=11232 STAMP=897871964

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151208-01

RECID=11236 STAMP=897872147

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151209-00

RECID=11238 STAMP=897957932

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151209-01

RECID=11243 STAMP=897958223

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-00

RECID=11245 STAMP=898044713

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151210-01

RECID=11250 STAMP=898044908

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-00

RECID=11252 STAMP=898130924

deleted backup piece

backup piece handle=/ora_fra/CODAPROD/dbbackup/0aqogovj_1_1 RECID=11253

STAMP=898130931

deleted backup piece

```
backup piece handle=/ora_fra/CODAPROD/dbbackup/0bqogp12_1_1 RECID=11254
STAMP=898130979
deleted backup piece
backup piece handle=/ora_fra/CODAPROD/dbbackup/0cqogp2i_1_1 RECID=11255
STAMP=898131027
deleted backup piece
backup piece handle=/ora_fra/CODAPROD/autobackup/c-1057852613-20151211-02
RECID=11256 STAMP=898150888
Deleted 11 objects
```

RMAN> delete copy;

```
released channel: ORA_DISK_1
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=199 device type=DISK
specification does not match any datafile copy in the repository
specification does not match any control file copy in the repository
List of Archived Log Copies for database with db_unique_name CODAPROD
=====
```

Key	Thrd	Seq	S	Low	Time
198306	1	118974	A	10-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118974_828728559.arlog
198305	1	118975	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118975_828728559.arlog
198307	1	118976	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118976_828728559.arlog
198308	1	118977	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118977_828728559.arlog
198309	1	118978	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118978_828728559.arlog
198310	1	118979	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118979_828728559.arlog
198311	1	118980	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118980_828728559.arlog
198312	1	118981	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118981_828728559.arlog
198313	1	118982	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118982_828728559.arlog
198314	1	118983	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118983_828728559.arlog
198315	1	118984	A	11-DEC-15	Name: /ora_fra/oradata/codaprod/archivelog/1_118984_828728559.arlog

198316 1 118985 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118985_828728559.arlog

198317 1 118986 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118986_828728559.arlog

198318 1 118987 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118987_828728559.arlog

198319 1 118988 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118988_828728559.arlog

198320 1 118989 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118989_828728559.arlog

198321 1 118990 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118990_828728559.arlog

198322 1 118991 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118991_828728559.arlog

198323 1 118992 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118992_828728559.arlog

198324 1 118993 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118993_828728559.arlog

198325 1 118994 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118994_828728559.arlog

198326 1 118995 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118995_828728559.arlog

198327 1 118996 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118996_828728559.arlog

198328 1 118997 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118997_828728559.arlog

198329 1 118998 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118998_828728559.arlog

198330 1 118999 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_118999_828728559.arlog

198331 1 119000 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_119000_828728559.arlog

198332 1 119001 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_119001_828728559.arlog

198333 1 119002 A 11-DEC-15
Name: /ora_fra/oradata/codaprod/archivelog/1_119002_828728559.arlog

```

198334 1      119003  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119003_828728559.arlog

198335 1      119004  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119004_828728559.arlog

198336 1      119005  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119005_828728559.arlog

198337 1      119006  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119006_828728559.arlog

198338 1      119007  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119007_828728559.arlog

198339 1      119008  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119008_828728559.arlog

198340 1      119009  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119009_828728559.arlog

198341 1      119010  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119010_828728559.arlog

198342 1      119011  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119011_828728559.arlog

198343 1      119012  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119012_828728559.arlog

198344 1      119013  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119013_828728559.arlog

198345 1      119014  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119014_828728559.arlog

198346 1      119015  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119015_828728559.arlog

198347 1      119016  A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_119016_828728559.arlog

198348 1      1          A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_1_898150868.arlog

198349 1      2          A 11-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_2_898150868.arlog

198350 1      3          A 12-DEC-15
      Name: /ora_fra/oradata/codaprod/archivelog/1_3_898150868.arlog

```

Do you really want to delete the above objects (enter YES or NO)? yes
deleted archived log

archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118974_828728559.arlog RECID=198306
STAMP=898150674
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118975_828728559.arlog RECID=198305
STAMP=898150673
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118976_828728559.arlog RECID=198307
STAMP=898150692
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118977_828728559.arlog RECID=198308
STAMP=898150697
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118978_828728559.arlog RECID=198309
STAMP=898150704
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118979_828728559.arlog RECID=198310
STAMP=898150713
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118980_828728559.arlog RECID=198311
STAMP=898150720
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118981_828728559.arlog RECID=198312
STAMP=898150725
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118982_828728559.arlog RECID=198313
STAMP=898150731
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118983_828728559.arlog RECID=198314
STAMP=898150737
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118984_828728559.arlog RECID=198315
STAMP=898150743
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118985_828728559.arlog RECID=198316
STAMP=898150748
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118986_828728559.arlog RECID=198317
STAMP=898150752
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118987_828728559.arlog RECID=198318
STAMP=898150757

deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118988_828728559.arlog RECID=198319
STAMP=898150760
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118989_828728559.arlog RECID=198320
STAMP=898150764
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118990_828728559.arlog RECID=198321
STAMP=898150768
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118991_828728559.arlog RECID=198322
STAMP=898150772
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118992_828728559.arlog RECID=198323
STAMP=898150776
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118993_828728559.arlog RECID=198324
STAMP=898150779
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118994_828728559.arlog RECID=198325
STAMP=898150782
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118995_828728559.arlog RECID=198326
STAMP=898150785
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118996_828728559.arlog RECID=198327
STAMP=898150788
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118997_828728559.arlog RECID=198328
STAMP=898150791
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118998_828728559.arlog RECID=198329
STAMP=898150793
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_118999_828728559.arlog RECID=198330
STAMP=898150796
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119000_828728559.arlog RECID=198331
STAMP=898150798
deleted archived log

archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119001_828728559.arlog RECID=198332
STAMP=898150801
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119002_828728559.arlog RECID=198333
STAMP=898150804
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119003_828728559.arlog RECID=198334
STAMP=898150808
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119004_828728559.arlog RECID=198335
STAMP=898150813
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119005_828728559.arlog RECID=198336
STAMP=898150817
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119006_828728559.arlog RECID=198337
STAMP=898150822
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119007_828728559.arlog RECID=198338
STAMP=898150827
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119008_828728559.arlog RECID=198339
STAMP=898150831
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119009_828728559.arlog RECID=198340
STAMP=898150836
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119010_828728559.arlog RECID=198341
STAMP=898150840
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119011_828728559.arlog RECID=198342
STAMP=898150850
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119012_828728559.arlog RECID=198343
STAMP=898150855
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119013_828728559.arlog RECID=198344
STAMP=898150858
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119014_828728559.arlog RECID=198345
STAMP=898150862

```
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119015_828728559.arlog RECID=198346
STAMP=898150864
deleted archived log
archived log file
name=/ora_fra/oradata/codaprod/archivelog/1_119016_828728559.arlog RECID=198347
STAMP=898150865
deleted archived log
archived log file name=/ora_fra/oradata/codaprod/archivelog/1_1_898150868.arlog
RECID=198348 STAMP=898207220
deleted archived log
archived log file name=/ora_fra/oradata/codaprod/archivelog/1_2_898150868.arlog
RECID=198349 STAMP=898284205
deleted archived log
archived log file name=/ora_fra/oradata/codaprod/archivelog/1_3_898150868.arlog
RECID=198350 STAMP=898370644
Deleted 46 objects
```

```
$ sudo su - oracle
codarpt:oracle@/home/oracle$. ./daily.env
codarpt:oracle@/home/oracle$lsnrctl status
```

```
LSNRCTL for IBM/AIX RISC System/6000: Version 11.2.0.2.0 - Production on 23-
DEC-2015 08:51:09
```

```
Copyright (c) 1991, 2010, Oracle. All rights reserved.
```

```
Connecting to
(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP) (HOST=codarptapp) (PORT=1521)))
STATUS of the LISTENER
-----
Alias                LISTENER
Version              TNSLSNR for IBM/AIX RISC System/6000: Version
11.2.0.2.0 - Production
Start Date           12-OCT-2013 13:05:26
Uptime               304 days 18 hr. 18 min. 30 sec
Trace Level          off
Security             ON: Local OS Authentication
SNMP                 ON
Listener Parameter File
/u01/app/oracle/product/11.2.0/dbhome_1/network/admin/listener.ora
Listener Log File
/u01/app/oracle/diag/tnslsnr/codarpt/listener/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=10.253.133.145) (PORT=1521)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc) (KEY=EXTPROC1521)))
Services Summary...
Service "codaprod.livingstonintl.com" has 1 instance(s).
  Instance "codaprod", status READY, has 1 handler(s) for this service...
The command completed successfully
```

```
codarpt:oracle@/home/oracle$sqlplus / as sysdba
```

SQL*Plus: Release 11.2.0.2.0 Production on Wed Dec 23 08:54:31 2015

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Connected to:

Oracle Database 11g Release 11.2.0.2.0 - 64bit Production

SQL> desc v\$instance

Name	Null?	Type
INSTANCE_NUMBER		NUMBER
INSTANCE_NAME		VARCHAR2 (16)
HOST_NAME		VARCHAR2 (64)
VERSION		VARCHAR2 (17)
STARTUP_TIME		DATE
STATUS		VARCHAR2 (12)
PARALLEL		VARCHAR2 (3)
THREAD#		NUMBER
ARCHIVER		VARCHAR2 (7)
LOG_SWITCH_WAIT		VARCHAR2 (15)
LOGINS		VARCHAR2 (10)
SHUTDOWN_PENDING		VARCHAR2 (3)
DATABASE_STATUS		VARCHAR2 (17)
INSTANCE_ROLE		VARCHAR2 (18)
ACTIVE_STATE		VARCHAR2 (9)
BLOCKED		VARCHAR2 (3)

SQL> select status from v\$instance;

STATUS

MOUNTED

SQL> quit

Disconnected from Oracle Database 11g Release 11.2.0.2.0 - 64bit Production
codarpt:oracle@/home/oracle\$rman target /

Recovery Manager: Release 11.2.0.2.0 - Production on Wed Dec 23 08:55:14 2015

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connected to target database: CODAPROD (DBID=1057852613, not open)

RMAN> list failure;

using target database control file instead of recovery catalog
List of Database Failures
=====

Failure ID	Priority	Status	Time Detected	Summary
184630	CRITICAL	OPEN	23-DEC-15	System datafile 1: '/u01/app/oracle/oradata/codaproduct/system01.dbf' needs media recovery

184627	CRITICAL	OPEN	23-DEC-15	Control file needs media recovery
46	HIGH	OPEN	23-DEC-15	One or more non-system datafiles need media recovery

codarpt:oracle@/home/oracle/report\$more restore.out

Recovery Manager: Release 11.2.0.2.0 - Production on Wed Dec 23 05:01:00 2015

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```
RMAN> connect target;
2> shutdown immediate;
3>
4> connect target;
5> set DBID=1057852613;
6>
7> startup nomount;
8>
9> RUN
10> {
11>  SET CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO
'/ora_fra/CODAPROD/autobackup/%F';
12>  RESTORE CONTROLFILE FROM AUTOBACKUP;
13> }
14>
15> alter database mount;
16>
17> RUN {
18>  RESTORE DATABASE;
19>  RECOVER DATABASE;
20> }
21>
22>
23>
```

connected to target database: CODAPROD (DBID=1057852613)

using target database control file instead of recovery catalog

database closed

database dismounted

Oracle instance shut down

connected to target database (not started)

executing command: SET DBID

Oracle instance started

Total System Global Area 25654751232 bytes

Fixed Size 2231608 bytes

Variable Size 9999221448 bytes

Database Buffers 15636365312 bytes

Redo Buffers 16932864 bytes

executing command: SET CONTROLFILE AUTOBACKUP FORMAT

Starting restore at Dec 23 2015 05:01:14
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=488 device type=DISK

recovery area destination: /ora_fra
database name (or database unique name) used for search: CODAPROD
channel ORA_DISK_1: no AUTOBACKUPS found in the recovery area
channel ORA_DISK_1: looking for AUTOBACKUP on day: 20151223
channel ORA_DISK_1: AUTOBACKUP found: /ora_fra/CODAPROD/autobackup/c-1057852613-20151223-01
channel ORA_DISK_1: restoring control file from AUTOBACKUP
/ora_fra/CODAPROD/autobackup/c-1057852613-20151223-01
channel ORA_DISK_1: control file restore from AUTOBACKUP complete
output file name=/ora_backup/controlfile/control01.ctl
output file name=/ora_fra/oradata/codaprod/controlfile/control02.ctl
Finished restore at Dec 23 2015 05:01:16

database mounted
released channel: ORA_DISK_1

Starting restore at Dec 23 2015 05:01:21
Starting implicit crosscheck backup at Dec 23 2015 05:01:21
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=488 device type=DISK
Crosschecked 784 objects
Finished implicit crosscheck backup at Dec 23 2015 05:01:51

Starting implicit crosscheck copy at Dec 23 2015 05:01:51
using channel ORA_DISK_1
Finished implicit crosscheck copy at Dec 23 2015 05:01:51

searching for all files in the recovery area
cataloging files...
cataloging done

List of Cataloged Files

=====

File Name: /ora_fra/CODAPROD/autobackup/c-1057852613-20151223-01

using channel ORA_DISK_1

RMAN-00571: =====
RMAN-00569: ===== ERROR MESSAGE STACK FOLLOWS =====
RMAN-00571: =====
RMAN-03002: failure of restore command at 12/23/2015 05:01:56
RMAN-06026: some targets not found - aborting restore
RMAN-06023: no backup or copy of datafile 4 found to restore
RMAN-06023: no backup or copy of datafile 2 found to restore
RMAN-06023: no backup or copy of datafile 1 found to restore

\$ vi cf.sql
"cf.sql" 47 lines, 1796 characters

```

CREATE CONTROLFILE DATABASE "CODAPROD" RESETLOGS ARCHIVELOG
LOGFILE
GROUP 1 '/ora_fra/oradata/codaprod/redolog/redo1.log' SIZE 2000M,
GROUP 2 '/ora_fra/oradata/codaprod/redolog/redo2.log' SIZE 2000M,
GROUP 3 '/ora_fra/oradata/codaprod/redolog/redo3.log' SIZE 2000M,
GROUP 4 '/ora_fra/oradata/codaprod/redolog/redo4.log' SIZE 2000M,
GROUP 5 '/ora_fra/oradata/codaprod/redolog/redo5.log' SIZE 2000M,
GROUP 6 '/ora_fra/oradata/codaprod/redolog/redo6.log' SIZE 2000M,
GROUP 7 '/ora_fra/oradata/codaprod/redolog/redo7.log' SIZE 2000M,
GROUP 8 '/ora_fra/oradata/codaprod/redolog/redo8.log' SIZE 2000M,
GROUP 9 '/ora_fra/oradata/codaprod/redolog/redo9.log' SIZE 2000M,
GROUP 10 '/ora_fra/oradata/codaprod/redolog/redo10.log' SIZE 2000M,
GROUP 11 '/ora_fra/oradata/codaprod/redolog/redo11.log' SIZE 2000M,
GROUP 12 '/ora_fra/oradata/codaprod/redolog/redo12.log' SIZE 2000M
DATAFILE
'/u01/app/oracle/oradata/codaprod/system01.dbf',
'/u01/app/oracle/oradata/codaprod/sysaux01.dbf',
'/ora_idx3/idxfile5.dbf',
'/u01/app/oracle/oradata/codaprod/users01.dbf',
'/ora_data/datafile1.dbf',
'/ora_idx/idxfile1.dbf',
'/ora_data/datafile2.dbf',
'/u01/app/oracle/oradata/codaprod/perfstat01.dbf',
'/ora_data/datafile3.dbf',
'/ora_idx/idxfile2.dbf',
'/ora_data2/datafile4.dbf',
'/ora_idx2/idxfile3.dbf',
'/ora_idx2/idxfile4.dbf',
'/u01/app/oracle/oradata/codaprod/undotbs02.dbf',
'/ora_data2/datafile5.dbf',
'/ora_idx3/idxfile6.dbf',
'/ora_idx4/idxfile7.dbf',
'/ora_data3/datafile6.dbf',
'/ora_idx4/idxfile8.dbf',
'/ora_idx5/idxfile9.dbf',
'/ora_data3/datafile7.dbf',
'/ora_data4/datafile8.dbf',
'/ora_idx5/idxfile10.dbf',
'/ora_data4/datafile9.dbf',
'/ora_data5/datafile10.dbf',
'/ora_data5/datafile11.dbf',
'/ora_idx6/idxfile11.dbf',
'/ora_idx6/idxfile12.dbf',
'/ora_idx7/idxfile13.dbf',
'/ora_idx7/idxfile14.dbf'
;
"cf.sql" 47 lines, 1797 characters
$ sudo su - oracle
codarpt:oracle@/home/oracle$. ./daily.env
codarpt:oracle@/home/oracle$sqlplus / as sysdba

```

SQL*Plus: Release 11.2.0.2.0 Production on Wed Dec 23 17:04:24 2015

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Connected to:
Oracle Database 11g Release 11.2.0.2.0 - 64bit Production

```
SQL> start /home/lchen/cf.sql
CREATE CONTROLFILE DATABASE "CODAPROD" RESETLOGS ARCHIVELOG
*
ERROR at line 1:
ORA-01503: CREATE CONTROLFILE failed
ORA-00200: control file could not be created
ORA-00202: control file: '/ora_backup/controlfile/control01.ctl'
ORA-27038: created file already exists
Additional information: 1
```

```
SQL> quit
Disconnected from Oracle Database 11g Release 11.2.0.2.0 - 64bit Production
codarpt:oracle@/home/oracle$up/controlfile/control01.ctl.bkup <
codarpt:oracle@/home/oracle$sqlplus / as sysdba
```

SQL*Plus: Release 11.2.0.2.0 Production on Wed Dec 23 17:05:13 2015

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Connected to:
Oracle Database 11g Release 11.2.0.2.0 - 64bit Production

```
SQL> start /home/lchen/cf.sql
CREATE CONTROLFILE DATABASE "CODAPROD" RESETLOGS ARCHIVELOG
*
ERROR at line 1:
ORA-01503: CREATE CONTROLFILE failed
ORA-00200: control file could not be created
ORA-00202: control file: '/ora_fra/oradata/codaprod/controlfile/control02.ctl'
ORA-27038: created file already exists
Additional information: 1
```

```
SQL> host mv /ora_fra/oradata/codaprod/controlfile/control02.ctl
/ora_fra/oradata/codaprod/controlfile/control02.ctl.bkup
```

```
SQL> start /home/lchen/cf.sql
CREATE CONTROLFILE DATABASE "CODAPROD" RESETLOGS ARCHIVELOG
*
ERROR at line 1:
ORA-01503: CREATE CONTROLFILE failed
ORA-00200: control file could not be created
ORA-00202: control file: '/ora_backup/controlfile/control01.ctl'
ORA-27038: created file already exists
Additional information: 1
```

```
SQL> host /ora_backup/controlfile/control01.ctl
/ora_backup/controlfile/control01.ctl.bkup
```

```
/usr/bin/ksh: /ora_backup/controlfile/control01.ctl: cannot execute
```

```
SQL> host mv /ora_backup/controlfile/control01.ctl  
/ora_backup/controlfile/control01.ctl.bkup
```

```
SQL> host mv /ora_fra/oradata/codaprod/controlfile/control02.ctl  
/ora_fra/oradata/codaprod/controlfile/control02.ctl.bkup  
mv: cannot rename /ora_fra/oradata/codaprod/controlfile/control02.ctl to  
/ora_fra/oradata/codaprod/controlfile/control02.ctl.bkup:  
No such file or directory
```

```
SQL> start /home/lchen/cf.sql
```

```
Control file created.
```

```
SQL> alter database mount;  
alter database mount  
*  
ERROR at line 1:  
ORA-01100: database already mounted
```

```
SQL> alter database open resetlog;  
alter database open resetlog  
*  
ERROR at line 1:  
ORA-02288: invalid OPEN mode
```

```
SQL> alter database open resetlogs;  
  
Database altered.
```

```
SQL> select status from v$instance;
```

```
STATUS  
-----  
OPEN
```

```
SQL> ALTER DATABASE BACKUP CONTROLFILE TO TRACE;
```

This command writes a SQL script to a trace file where it can be captured and edited to reproduce the control file. View the alert log to determine the name and location of the trace file

Oracle will write the alert.log file to the directory as specified by the ACKGROUND_DUMP_DEST parameter. If this parameter is not set, the alert.log will be created in the ORACLE_HOME/rdbms/trace directory

```
Oracle Database 11g Release 11.2.0.2.0 - 64bit Production  
ORACLE_HOME = /u01/app/oracle/product/11.2.0/dbhome_1  
System name:    AIX  
Node name:      codarpt  
Release:        1
```

Version: 6
Machine: 00F86F624C00
Instance name: codaprod
Redo thread mounted by this instance: 1
Oracle process number: 19
Unix process pid: 12255432, image: oracle@codarpt (TNS V1-V3)

*** 2015-12-24 09:28:04.663
*** SESSION ID:(292.31) 2015-12-24 09:28:04.663
*** CLIENT ID:() 2015-12-24 09:28:04.663
*** SERVICE NAME:() 2015-12-24 09:28:04.663
*** MODULE NAME:(sqlplus@codarpt (TNS V1-V3)) 2015-12-24 09:28:04.663
*** ACTION NAME:() 2015-12-24 09:28:04.663

-- The following are current System-scope REDO Log Archival related
-- parameters and can be included in the database initialization file.

--
-- LOG_ARCHIVE_DEST=''

-- LOG_ARCHIVE_DUPLEX_DEST=''

-- LOG_ARCHIVE_FORMAT=%t_%s_%r.arlog

-- DB_UNIQUE_NAME="codaprod"

-- LOG_ARCHIVE_CONFIG='SEND, RECEIVE, NODG_CONFIG'

-- LOG_ARCHIVE_MAX_PROCESSES=4

-- STANDBY_FILE_MANAGEMENT=MANUAL

-- STANDBY_ARCHIVE_DEST=?/dbs/arch

-- FAL_CLIENT=''

-- FAL_SERVER=''

-- LOG_ARCHIVE_DEST_1='LOCATION=/ora_fra/oradata/codaprod/archivelog'

-- LOG_ARCHIVE_DEST_1='OPTIONAL REOPEN=300 NODELAY'

-- LOG_ARCHIVE_DEST_1='ARCH NOAFFIRM NOEXPEDITE NOVERIFY SYNC'

-- LOG_ARCHIVE_DEST_1='REGISTER NOALTERNATE NODEPENDENCY'

-- LOG_ARCHIVE_DEST_1='NOMAX_FAILURE NOQUOTA_SIZE NOQUOTA_USED NODB_UNIQUE_NAME'

-- LOG_ARCHIVE_DEST_1='VALID_FOR=(PRIMARY_ROLE,ONLINE_LOGFILES)'

-- LOG_ARCHIVE_DEST_STATE_1=ENABLE

--
-- Below are two sets of SQL statements, each of which creates a new
-- control file and uses it to open the database. The first set opens
-- the database with the NORESETLOGS option and should be used only if
-- the current versions of all online logs are available. The second
-- set opens the database with the RESETLOGS option and should be used
-- if online logs are unavailable.

-- The appropriate set of statements can be copied from the trace into
-- a script file, edited as necessary, and executed when there is a
-- need to re-create the control file.

-- Set #1. NORESETLOGS case

-- The following commands will create a new control file and use it
-- to open the database.

-- Data used by Recovery Manager will be lost.

```

-- Additional logs may be required for media recovery of offline
-- Use this only if the current versions of all online logs are
-- available.
-- WARNING! The current control file needs to be checked against
-- the datafiles to insure it contains the correct files. The
-- commands printed here may be missing log and/or data files.
-- Another report should be made after the database has been
-- successfully opened.
-- After mounting the created controlfile, the following SQL
-- statement will place the database in the appropriate
-- protection mode:
-- ALTER DATABASE SET STANDBY DATABASE TO MAXIMIZE PERFORMANCE
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "CODAPROD" NORESETLOGS  ARCHIVELOG
    MAXLOGFILES 100
    MAXLOGMEMBERS 3
    MAXDATAFILES 1000
    MAXINSTANCES 8
    MAXLOGHISTORY 9344
LOGFILE
GROUP 1 '/ora_fra/oradata/codaprod/redolog/redo1.log'  SIZE 200M BLOCKSIZE 512,
GROUP 2 '/ora_fra/oradata/codaprod/redolog/redo2.log'  SIZE 200M BLOCKSIZE 512,
GROUP 3 '/ora_fra/oradata/codaprod/redolog/redo3.log'  SIZE 200M BLOCKSIZE 512,
GROUP 4 '/ora_fra/oradata/codaprod/redolog/redo4.log'  SIZE 200M BLOCKSIZE 512,
GROUP 5 '/ora_fra/oradata/codaprod/redolog/redo5.log'  SIZE 200M BLOCKSIZE 512,
GROUP 6 '/ora_fra/oradata/codaprod/redolog/redo6.log'  SIZE 200M BLOCKSIZE 512,
GROUP 7 '/ora_fra/oradata/codaprod/redolog/redo7.log'  SIZE 200M BLOCKSIZE 512,
GROUP 8 '/ora_fra/oradata/codaprod/redolog/redo8.log'  SIZE 200M BLOCKSIZE 512,
GROUP 9 '/ora_fra/oradata/codaprod/redolog/redo9.log'  SIZE 200M BLOCKSIZE 512,
GROUP 10 '/ora_fra/oradata/codaprod/redolog/redo10.log'  SIZE 200M BLOCKSIZE 512,
GROUP 11 '/ora_fra/oradata/codaprod/redolog/redo11.log'  SIZE 200M BLOCKSIZE 512,
GROUP 12 '/ora_fra/oradata/codaprod/redolog/redo12.log'  SIZE 200M BLOCKSIZE 512
-- STANDBY LOGFILE
DATAFILE
'/u01/app/oracle/oradata/codaprod/system01.dbf',
'/u01/app/oracle/oradata/codaprod/sysaux01.dbf',
'/ora_idx3/idxfile5.dbf',
'/u01/app/oracle/oradata/codaprod/users01.dbf',
'/ora_data/datafile1.dbf',
'/ora_idx/idxfile1.dbf',
'/ora_data/datafile2.dbf',
'/u01/app/oracle/oradata/codaprod/perfstat01.dbf',
'/ora_data/datafile3.dbf',
'/ora_idx/idxfile2.dbf',
'/ora_data2/datafile4.dbf',
'/ora_idx2/idxfile3.dbf',
'/ora_idx2/idxfile4.dbf',
'/u01/app/oracle/oradata/codaprod/undotbs02.dbf',
'/ora_data2/datafile5.dbf',
'/ora_idx3/idxfile6.dbf',
'/ora_idx4/idxfile7.dbf',
'/ora_data3/datafile6.dbf',
'/ora_idx4/idxfile8.dbf',
'/ora_idx5/idxfile9.dbf',
'/ora_data3/datafile7.dbf',

```

```

'/ora_data4/datafile8.dbf',
'/ora_idx5/idxfile10.dbf',
'/ora_data4/datafile9.dbf',
'/ora_data5/datafile10.dbf',
'/ora_data5/datafile11.dbf',
'/ora_idx6/idxfile11.dbf',
'/ora_idx6/idxfile12.dbf',
'/ora_idx7/idxfile13.dbf',
'/ora_idx7/idxfile14.dbf'
CHARACTER SET WE8MSWIN1252
;
-- Configure RMAN configuration record 1
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('CONTROLFILE AUTOBACKUP','ON');
-- Configure RMAN configuration record 2
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('CHANNEL','DEVICE TYPE DISK FORMAT
'/ora_fra/CODAPROD/dbbackup/%U''');
-- Configure RMAN configuration record 3
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('ARCHIVELOG DELETION POLICY','TO
NONE');
-- Configure RMAN configuration record 4
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('RETENTION POLICY','TO REDUNDANCY
8');
-- Configure RMAN configuration record 5
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('CONTROLFILE AUTOBACKUP FORMAT FOR
DEVICE TYPE','DISK TO '/ora_fra/CODAPROD/aut
obackup/%F''');
-- Commands to re-create incarnation table
-- Below log names MUST be changed to existing filenames on
-- disk. Any one log file from each branch can be used to
-- re-create incarnation records.
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_666429833.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_727886662.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_787053544.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_787135029.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_787682108.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_788472374.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_789074562.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_828728559.arlog';
-- Recovery is required if any of the datafiles are restored backups,
-- or if the last shutdown was not normal or immediate.
RECOVER DATABASE
-- All logs need archiving and a log switch is needed.

```

```

ALTER SYSTEM ARCHIVE LOG ALL;
-- Database can now be opened normally.
ALTER DATABASE OPEN;
-- Commands to add tempfiles to temporary tablespaces.
-- Online tempfiles have complete space information.
-- Other tempfiles may require adjustment.
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile3.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile2.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile1.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile4.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile13.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile11.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile10.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile09.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile12.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile08.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile07.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile06.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile05.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile14.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile15.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile16.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile17.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile18.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile19.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile20.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile21.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile22.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile23.dbf' REUSE;
-- End of tempfile additions.
--
--      Set #2. RESETLOGS case
--
-- The following commands will create a new control file and use it
-- to open the database.
-- Data used by Recovery Manager will be lost.
-- The contents of online logs will be lost and all backups will
-- be invalidated. Use this only if online logs are damaged.
-- WARNING! The current control file needs to be checked against
-- the datafiles to insure it contains the correct files. The
-- commands printed here may be missing log and/or data files.
-- Another report should be made after the database has been
-- successfully opened.
-- After mounting the created controlfile, the following SQL
-- statement will place the database in the appropriate
-- protection mode:
-- ALTER DATABASE SET STANDBY DATABASE TO MAXIMIZE PERFORMANCE
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "CODAPROD" RESETLOGS ARCHIVELOG
    MAXLOGFILES 100
    MAXLOGMEMBERS 3
    MAXDATAFILES 1000
    MAXINSTANCES 8
    MAXLOGHISTORY 9344
LOGFILE

```

```

GROUP 1 '/ora_fra/oradata/codaprod/redolog/redo1.log' SIZE 200M BLOCKSIZE 512,
GROUP 2 '/ora_fra/oradata/codaprod/redolog/redo2.log' SIZE 200M BLOCKSIZE 512,
GROUP 3 '/ora_fra/oradata/codaprod/redolog/redo3.log' SIZE 200M BLOCKSIZE 512,
GROUP 4 '/ora_fra/oradata/codaprod/redolog/redo4.log' SIZE 200M BLOCKSIZE 512,
GROUP 5 '/ora_fra/oradata/codaprod/redolog/redo5.log' SIZE 200M BLOCKSIZE 512,
GROUP 6 '/ora_fra/oradata/codaprod/redolog/redo6.log' SIZE 200M BLOCKSIZE 512,
GROUP 7 '/ora_fra/oradata/codaprod/redolog/redo7.log' SIZE 200M BLOCKSIZE 512,
GROUP 8 '/ora_fra/oradata/codaprod/redolog/redo8.log' SIZE 200M BLOCKSIZE 512,
GROUP 9 '/ora_fra/oradata/codaprod/redolog/redo9.log' SIZE 200M BLOCKSIZE 512,
GROUP 10 '/ora_fra/oradata/codaprod/redolog/redo10.log' SIZE 200M BLOCKSIZE 512,
GROUP 11 '/ora_fra/oradata/codaprod/redolog/redo11.log' SIZE 200M BLOCKSIZE 512,
GROUP 12 '/ora_fra/oradata/codaprod/redolog/redo12.log' SIZE 200M BLOCKSIZE 512
-- STANDBY LOGFILE
DATAFILE
'/u01/app/oracle/oradata/codaprod/system01.dbf',
'/u01/app/oracle/oradata/codaprod/sysaux01.dbf',
'/ora_idx3/idxfile5.dbf',
'/u01/app/oracle/oradata/codaprod/users01.dbf',
'/ora_data/datafile1.dbf',
'/ora_idx/idxfile1.dbf',
'/ora_data/datafile2.dbf',
'/u01/app/oracle/oradata/codaprod/perfstat01.dbf',
'/ora_data/datafile3.dbf',
'/ora_idx/idxfile2.dbf',
'/ora_data2/datafile4.dbf',
'/ora_idx2/idxfile3.dbf',
'/ora_idx2/idxfile4.dbf',
'/u01/app/oracle/oradata/codaprod/undotbs02.dbf',
'/ora_data2/datafile5.dbf',
'/ora_idx3/idxfile6.dbf',
'/ora_idx4/idxfile7.dbf',
'/ora_data3/datafile6.dbf',
'/ora_idx4/idxfile8.dbf',
'/ora_idx5/idxfile9.dbf',
'/ora_data3/datafile7.dbf',
'/ora_data4/datafile8.dbf',
'/ora_idx5/idxfile10.dbf',
'/ora_data4/datafile9.dbf',
'/ora_data5/datafile10.dbf',
'/ora_data5/datafile11.dbf',
'/ora_idx6/idxfile11.dbf',
'/ora_idx6/idxfile12.dbf',
'/ora_idx7/idxfile13.dbf',
'/ora_idx7/idxfile14.dbf'
CHARACTER SET WE8MSWIN1252
;
-- Configure RMAN configuration record 1
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('CONTROLFILE AUTOBACKUP','ON');
-- Configure RMAN configuration record 2
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('CHANNEL','DEVICE TYPE DISK FORMAT
'/ora_fra/CODAPROD/dbbackup/%U'');
-- Configure RMAN configuration record 3
VARIABLE RECNO NUMBER;

```

```

EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('ARCHIVELOG DELETION POLICY','TO
NONE');
-- Configure RMAN configuration record 4
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('RETENTION POLICY','TO REDUNDANCY
8');
-- Configure RMAN configuration record 5
VARIABLE RECNO NUMBER;
EXECUTE :RECNO := SYS.DBMS_BACKUP_RESTORE.SETCONFIG('CONTROLFILE AUTOBACKUP FORMAT FOR
DEVICE TYPE','DISK TO '/ora_fra/CODAPROD/aut
obackup/%F''');
-- Commands to re-create incarnation table
-- Below log names MUST be changed to existing filenames on
-- disk. Any one log file from each branch can be used to
-- re-create incarnation records.
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_666429833.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_727886662.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_787053544.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_787135029.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_787682108.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_788472374.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_789074562.arlog';
-- ALTER DATABASE REGISTER LOGFILE
'/ora_fra/oradata/codaprod/archivelog/1_1_828728559.arlog';
-- Recovery is required if any of the datafiles are restored backups,
-- or if the last shutdown was not normal or immediate.
RECOVER DATABASE USING BACKUP CONTROLFILE
-- Database can now be opened zeroing the online logs.
ALTER DATABASE OPEN RESETLOGS;
-- Commands to add tempfiles to temporary tablespaces.
-- Online tempfiles have complete space information.
-- Other tempfiles may require adjustment.
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile3.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile2.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile1.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile4.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile13.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile11.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile10.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile09.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile12.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile08.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile07.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile06.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile05.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile14.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile15.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile16.dbf' REUSE;

```



```

ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile17.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile18.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile19.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile20.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile21.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile22.dbf' REUSE;
ALTER TABLESPACE TEMP ADD TEMPFILE '/ora_temp/tempfile23.dbf' REUSE;
-- End of tempfile additions.

```

```

=====
SQL> alter database open;
alter database open
*
ERROR at line 1:
ORA-00600: internal error code, arguments: [kcratr_nab_less_than_odr], [1],
[23], [81], [189], [], [], [], [], [], []

```

```

SQL> Show parameter control_files;

```

```

NAME TYPE VALUE

```

```

-----
control_files string D:\APP\MAZAR\ORADATA\ORCL\CONT
ROL01.CTL, D:\APP\MAZAR\FLASH_
RECOVERY_AREA\ORCL\CONTROL02.C
TL

```

```

SQL> select a.member,a.group#,b.status from v$logfile a ,v$log b where
a.group#=b.group# and b.status='CURRENT';

```

```

MEMBER

```

```

-----
GROUP# STATUS
-----

```

```

D:\APP\MAZAR\ORADATA\ORCL\REDO02.LOG
2 CURRENT

```

```

SQL> shutdown abort

```

```

ORACLE instance shut down.

```

Take the OS level backup for control files

```

C:\Windows\system32>COPY D:\APP\MAZAR\ORADATA\ORCL\CONTROL01.CTL D:\APP

```

```

1 file(s) copied.

```

```

SQL> startup mount

```

```

ORACLE instance started.

```

```

Total System Global Area 1703624704 bytes

```

```

Fixed Size 2176408 bytes

```

```

Variable Size 1207962216 bytes

```

```

Database Buffers 486539264 bytes

```

```

Redo Buffers 6946816 bytes

```

```

Database mounted.

```

Specify the current redo log location

```
SQL> recover database using backup controlfile until cancel;
```

ORA-00279: change 1460665 generated at 10/08/2012 08:38:00 needed for thread

ORA-00289: suggestion :

D:\APP\MAZAR\FLASH_RECOVERY_AREA\ORCL\ARCHIVELOG\2012_10_14\O1_MF_1_23_%U_.AR

ORA-00280: change 1460665 for thread 1 is in sequence #23

Specify log: {<RET>=suggested | filename | AUTO | CANCEL}

D:\APP\MAZAR\ORADATA\ORCL\REDO02.LOG

Log applied.

Media recovery complete.

```
SQL> alter database open resetlogs;
```

Database altered.

Ref : Support ID 1296264.1