

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE
```

```
total 36
drwxrwxr-x.  9 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x.  4 oracle oinstall 4096 Dec 14 08:04 ..
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:42 admin
drwxr-x---.  6 oracle oinstall 4096 Dec 14 13:51 cfgtoollogs
drwxr-xr-x.  2 oracle oinstall 4096 Dec 14 09:03 checkpoints
drwxrwxr-x. 11 oracle oinstall 4096 Dec 14 08:19 diag
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:42 fra
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:42 oradata
drwxrwxr-x.  3 oracle oinstall 4096 Nov  4 17:07 product
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata
```

```
total 12
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 5 oracle oinstall 4096 Jan 16 19:56 DB11G
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G
```

```
total 20
drwxr-x---. 5 oracle oinstall 4096 Jan 16 19:56 .
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 controlfiles
drwxr-x---. 2 oracle oinstall 4096 Jan 12 21:05 datafiles
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 logfiles
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G/datafiles
```

```
total 2133048
drwxr-x---. 2 oracle oinstall      4096 Jan 12 21:05 .
drwxr-x---. 5 oracle oinstall      4096 Jan 16 19:56 ..
-rw-r-----. 1 oracle oinstall 10493952 Jan 16 19:06 index01
-rw-r-----. 1 oracle oinstall 692068352 Jan 16 19:59 sysaux01
-rw-r-----. 1 oracle oinstall 754982912 Jan 16 19:56 system01
-rw-r-----. 1 oracle oinstall  61874176 Jan 16 19:15 temp01
-rw-r-----. 1 oracle oinstall 713039872 Jan 16 19:59 undo01
-rw-r-----. 1 oracle oinstall  5251072 Jan 16 19:06 users01
```

```
[oracle@ol6-ag-rac1 ~]$
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G/controlfiles
total 19176
drwxr-x---. 2 oracle oinstall      4096 Dec 14 12:43 .
drwxr-x---. 5 oracle oinstall      4096 Jan 16 19:56 ..
-rw-r-----. 1 oracle oinstall 9814016 Jan 16 20:04 control01.ctl
-rw-r-----. 1 oracle oinstall 9814016 Jan 16 20:04 control02.ctl
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G/logfiles
total 307232
drwxr-x---. 2 oracle oinstall      4096 Dec 14 12:43 .
drwxr-x---. 5 oracle oinstall      4096 Jan 16 19:56 ..
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 12:00 redo01a
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 12:00 redo01b
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 19:01 redo02a
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 19:01 redo02b
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:04 redo03a
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:04 redo03b
[oracle@ol6-ag-rac1 ~]$ █
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE
```

```
total 36
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 4 oracle oinstall 4096 Dec 14 08:04 ..
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 admin
drwxr-x---. 6 oracle oinstall 4096 Dec 14 13:51 cfgtoollogs
drwxr-xr-x. 2 oracle oinstall 4096 Dec 14 09:03 checkpoints
drwxrwxr-x. 11 oracle oinstall 4096 Dec 14 08:19 diag
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 fra
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 oradata
drwxrwxr-x. 3 oracle oinstall 4096 Nov  4 17:07 product
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/fra
```

```
total 12
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 5 oracle oinstall 4096 Jan 11 22:01 DB11G
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/fra/DB11G
```

```
total 20
drwxr-x---. 5 oracle oinstall 4096 Jan 11 22:01 .
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 controlfiles
drwxr-----. 6 oracle oinstall 4096 Jan 12 21:19 DB11G
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 logfiles
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/fra/DB11G/controlfiles
```

```
total 9592
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 .
drwxr-x---. 5 oracle oinstall 4096 Jan 11 22:01 ..
-rw-r-----. 1 oracle oinstall 9814016 Jan 16 20:05 control03.ctl
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/fra/DB11G/logfiles
```

```
total 153620
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 .
drwxr-x---. 5 oracle oinstall 4096 Jan 11 22:01 ..
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 12:00 redo01c
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 19:01 redo02c
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:05 redo03c
```

```
[oracle@ol6-ag-rac1 ~]$
```

File Edit View Search Terminal Help

[oracle@ol6-ag-rac1 ~]\$ rman target sys

Recovery Manager: Release 11.2.0.3.0 - Production on Mon Jan 16 20:07:38 2017

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target database Password:

connected to target database: DB11G (DBID=400243355)

RMAN> list backupset;

using target database control file instead of recovery catalog

List of Backup Sets

=====

BS Key	Type	LV	Size	Device	Type	Elapsed Time	Completion Time
6	Full		1.02G	DISK		00:04:34	13-JAN-17
BP Key: 6 Status: AVAILABLE Compressed: NO Tag: TAG20170113T021514							
Piece Name: /u01/app/oracle/fra/DB11G/DB11G/backupset/2017_01_13/ol_mf_nnndf_TAG20170113T021514_d7jbk3qc_.bkp							

List of Datafiles in backup set 6

File	LV	Type	Ckp	SCN	Ckp Time	Name
1		Full	849004		13-JAN-17	/u01/app/oracle/oradata/DB11G/datafiles/system01
2		Full	849004		13-JAN-17	/u01/app/oracle/oradata/DB11G/datafiles/sysaux01
3		Full	849004		13-JAN-17	/u01/app/oracle/oradata/DB11G/datafiles/undo01
4		Full	849004		13-JAN-17	/u01/app/oracle/oradata/DB11G/datafiles/index01
5		Full	849004		13-JAN-17	/u01/app/oracle/oradata/DB11G/datafiles/users01

BS Key	Size	Device	Type	Elapsed Time	Completion Time
7	100.00K	DISK		00:00:00	13-JAN-17
BP Key: 7 Status: AVAILABLE Compressed: NO Tag: TAG20170113T021954					
Piece Name: /u01/app/oracle/fra/DB11G/DB11G/backupset/2017_01_13/ol_mf_anndf_TAG20170113T021954_d7jbsv4t_.bkp					

List of Archived Logs in backup set 7

Thrd	Seq	Low SCN	Low Time	Next SCN	Next Time
1	6	848982	13-JAN-17	849188	13-JAN-17

BS Key Type LV Size Device Type Elapsed Time Completion Time

8	Full		9.36M	DISK	00:00:04	13-JAN-17
BP Key: 8 Status: AVAILABLE Compressed: NO Tag: TAG20170113T021956						
Piece Name: /u01/app/oracle/fra/DB11G/DB11G/autobackup/2017_01_13/o1_mf_s_933128396_d7jbszlt_.bkp						
SPFILE Included: Modification time: 12-JAN-17						
SPFILE db_unique_name: DB11G						
Control File Included: Ckp SCN: 849198 Ckp time: 13-JAN-17						

```
RMAN> shutdown abort
```

```
Oracle instance shut down
```

```
RMAN> exit
```

```
Recovery Manager complete.
```

```
[oracle@ol6-ag-rac1 ~]$ █
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata
total 12
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 5 oracle oinstall 4096 Jan 16 19:56 DB11G
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G
total 20
drwxr-x---. 5 oracle oinstall 4096 Jan 16 19:56 .
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 controlfiles
drwxr-x---. 2 oracle oinstall 4096 Jan 12 21:05 datafiles
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 logfiles
[oracle@ol6-ag-rac1 ~]$ rm -rf $ORACLE_BASE/oradata/DB11G
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G
ls: cannot access /u01/app/oracle/oradata/DB11G: No such file or directory
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/
total 8
drwxr-x---. 2 oracle oinstall 4096 Jan 16 20:13 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
```

```
[oracle@ol6-ag-rac1 ~]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Mon Jan 16 20:16:05 2017
```

```
Copyright (c) 1982, 2011, Oracle. All rights reserved.
```

```
Connected to an idle instance.
```

```
SQL> startup
```

```
ORACLE instance started.
```

```
Total System Global Area 1653518336 bytes
```

```
Fixed Size 2228904 bytes
```

```
Variable Size 1157631320 bytes
```

```
Database Buffers 486539264 bytes
```

```
Redo Buffers 7118848 bytes
```

```
ORA-00205: error in identifying control file, check alert log for more info
```

```
SQL> █
```



```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE
```

```
total 36
drwxrwxr-x.  9 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x.  4 oracle oinstall 4096 Dec 14 08:04 ..
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:42 admin
drwxr-x---.  6 oracle oinstall 4096 Dec 14 13:51 cfgtoollogs
drwxr-xr-x.  2 oracle oinstall 4096 Dec 14 09:03 checkpoints
drwxrwxr-x. 11 oracle oinstall 4096 Dec 14 08:19 diag
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:42 fra
drwxr-x---.  2 oracle oinstall 4096 Jan 16 20:13 oradata
drwxrwxr-x.  3 oracle oinstall 4096 Nov  4 17:07 product
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/diag
```

```
total 44
drwxrwxr-x. 11 oracle oinstall 4096 Dec 14 08:19 .
drwxrwxr-x.  9 oracle oinstall 4096 Dec 14 12:42 ..
drwxrwxr-x.  2 oracle oinstall 4096 Dec 14 08:19 asm
drwxrwxr-x.  3 oracle oinstall 4096 Jan 12 12:33 clients
drwxrwxr-x.  2 oracle oinstall 4096 Dec 14 08:19 crs
drwxrwxr-x.  2 oracle oinstall 4096 Dec 14 08:19 diagtool
drwxrwxr-x.  2 oracle oinstall 4096 Dec 14 08:19 lsnrctl
drwxrwxr-x.  2 oracle oinstall 4096 Dec 14 08:19 netcmn
drwxrwxr-x.  2 oracle oinstall 4096 Dec 14 08:19 ofm
drwxrwxr-x.  3 oracle oinstall 4096 Dec 14 12:42 rdbms
drwxrwxr-x.  3 oracle oinstall 4096 Dec 14 12:40 tnslnr
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/diag/rdbms
```

```
total 12
drwxrwxr-x.  3 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 11 oracle oinstall 4096 Dec 14 08:19 ..
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:43 db11g
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/diag/rdbms/db11g
```

```
total 12
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:43 .
drwxrwxr-x.  3 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 15 oracle oinstall 4096 Dec 14 12:42 DB11G
-rw-r-----.  1 oracle oinstall   0 Dec 14 12:43 i_1.mif
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/diag/rdbms/db11g/DB11G
```

```
total 76
```

```
drwxr-x---. 15 oracle oinstall 4096 Dec 14 12:42 .
drwxr-x---.  3 oracle oinstall 4096 Dec 14 12:43 ..
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:43 alert
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 cdump
drwxr-x---.  2 oracle oinstall 4096 Jan 12 21:02 hm
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 incident
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 incpkg
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 ir
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:51 lck
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:51 metadata
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 metadata_dgif
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 metadata_pv
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 stage
drwxr-x---.  2 oracle oinstall 4096 Dec 14 12:42 sweep
drwxr-x---.  2 oracle oinstall 20480 Jan 16 20:16 trace
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/diag/rdbms/db11g/DB11G/trace/*.log
```

```
-rw-r-----. 1 oracle oinstall 157477 Jan 16 20:16 /u01/app/oracle/diag/rdbms/db11g/DB11G/trace/alert_DB11G.log
-rw-r--r--.  1 oracle oinstall      0 Jan 11 21:29 /u01/app/oracle/diag/rdbms/db11g/DB11G/trace/sbtio.log
```

```
[oracle@ol6-ag-rac1 ~]$ tail /u01/app/oracle/diag/rdbms/db11g/DB11G/trace/alert_DB11G.log
```

```
Linux-x86_64 Error: 2: No such file or directory
```

```
Additional information: 3
```

```
ORA-00210: cannot open the specified control file
```

```
ORA-00202: control file: '/u01/app/oracle/oradata/DB11G/controlfiles/control01.ctl'
```

```
ORA-27037: unable to obtain file status
```

```
Linux-x86_64 Error: 2: No such file or directory
```

```
Additional information: 3
```

```
ORA-205 signalled during: ALTER DATABASE MOUNT...
```

```
Mon Jan 16 20:16:49 2017
```

```
Checker run found 2 new persistent data failures
```

```
[oracle@ol6-ag-rac1 ~]$
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata
total 8
drwxr-x---. 2 oracle oinstall 4096 Jan 16 20:13 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
[oracle@ol6-ag-rac1 ~]$ cd $ORACLE_BASE/oradata
[oracle@ol6-ag-rac1 oradata]$ mkdir DB11G
[oracle@ol6-ag-rac1 oradata]$ cd DB11G
[oracle@ol6-ag-rac1 DB11G]$ mkdir controlfiles
[oracle@ol6-ag-rac1 DB11G]$ mkdir logfiles
[oracle@ol6-ag-rac1 DB11G]$ mkdir datafiles
[oracle@ol6-ag-rac1 DB11G]$ cd $ORACLE_BASE/oradata
[oracle@ol6-ag-rac1 oradata]$ ls -la
total 12
drwxr-x---. 3 oracle oinstall 4096 Jan 16 20:26 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-xr-x. 5 oracle oinstall 4096 Jan 16 20:27 DB11G
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/oradata/DB11G
total 20
drwxr-xr-x. 5 oracle oinstall 4096 Jan 16 20:27 .
drwxr-x---. 3 oracle oinstall 4096 Jan 16 20:26 ..
drwxr-xr-x. 2 oracle oinstall 4096 Jan 16 20:26 controlfiles
drwxr-xr-x. 2 oracle oinstall 4096 Jan 16 20:27 datafiles
drwxr-xr-x. 2 oracle oinstall 4096 Jan 16 20:27 logfiles
[oracle@ol6-ag-rac1 oradata]$
```

```
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE
total 36
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 4 oracle oinstall 4096 Dec 14 08:04 ..
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 admin
drwxr-x---. 6 oracle oinstall 4096 Dec 14 13:51 cfgtoollogs
drwxr-xr-x. 2 oracle oinstall 4096 Dec 14 09:03 checkpoints
drwxrwxr-x. 11 oracle oinstall 4096 Dec 14 08:19 diag
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 fra
drwxr-x---. 3 oracle oinstall 4096 Jan 16 20:26 oradata
drwxrwxr-x. 3 oracle oinstall 4096 Nov  4 17:07 product
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/fra
total 12
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 .
drwxrwxr-x. 9 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 5 oracle oinstall 4096 Jan 11 22:01 DB11G
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/fra/DB11G
total 20
drwxr-x---. 5 oracle oinstall 4096 Jan 11 22:01 .
drwxr-x---. 3 oracle oinstall 4096 Dec 14 12:42 ..
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 controlfiles
drwxr-----. 6 oracle oinstall 4096 Jan 12 21:19 DB11G
drwxr-x---. 2 oracle oinstall 4096 Dec 14 12:43 logfiles
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/fra/DB11G/controlfiles
total 9592
drwxr-x---. 2 oracle oinstall      4096 Dec 14 12:43 .
drwxr-x---. 5 oracle oinstall      4096 Jan 11 22:01 ..
-rw-r-----. 1 oracle oinstall 9814016 Jan 16 20:10 control03.ctl
```

```
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/controlfiles/control03.ctl $ORACLE_BASE/oradata/DB11G/controlfiles/control01.ctl
```

```
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/controlfiles/control03.ctl $ORACLE_BASE/oradata/DB11G/controlfiles/control02.ctl
```

```
[oracle@ol6-ag-rac1 oradata]$ █
```

```
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/fra/DB11G/logfiles
total 153620
drwxr-x---. 2 oracle oinstall      4096 Dec 14 12:43 .
drwxr-x---. 5 oracle oinstall      4096 Jan 11 22:01 ..
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 12:00 redo01c
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 19:01 redo02c
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:10 redo03c
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/logfiles/redo01c $ORACLE_BASE/oradata/DB11G/logfiles/redo01a
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/logfiles/redo01c $ORACLE_BASE/oradata/DB11G/logfiles/redo01b
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/logfiles/redo02c $ORACLE_BASE/oradata/DB11G/logfiles/redo02a
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/logfiles/redo02c $ORACLE_BASE/oradata/DB11G/logfiles/redo02b
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/logfiles/redo03c $ORACLE_BASE/oradata/DB11G/logfiles/redo03a
[oracle@ol6-ag-rac1 oradata]$ cp $ORACLE_BASE/fra/DB11G/logfiles/redo03c $ORACLE_BASE/oradata/DB11G/logfiles/redo03b
[oracle@ol6-ag-rac1 oradata]$ █
```

```
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/oradata/DB11G/controlfiles
total 19176
drwxr-xr-x. 2 oracle oinstall      4096 Jan 16 20:40 .
drwxr-xr-x. 5 oracle oinstall      4096 Jan 16 20:27 ..
-rw-r-----. 1 oracle oinstall 9814016 Jan 16 20:37 control01.ctl
-rw-r-----. 1 oracle oinstall 9814016 Jan 16 20:40 control02.ctl
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/oradata/DB11G/logfiles
total 307236
drwxr-xr-x. 2 oracle oinstall      4096 Jan 16 20:43 .
drwxr-xr-x. 5 oracle oinstall      4096 Jan 16 20:27 ..
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:42 redo01a
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:42 redo01b
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:42 redo02a
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:42 redo02b
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:43 redo03a
-rw-r-----. 1 oracle oinstall 52429312 Jan 16 20:43 redo03b
[oracle@ol6-ag-rac1 oradata]$ ls -la $ORACLE_BASE/oradata/DB11G/datafiles
total 8
drwxr-xr-x. 2 oracle oinstall 4096 Jan 16 20:27 .
drwxr-xr-x. 5 oracle oinstall 4096 Jan 16 20:27 ..
[oracle@ol6-ag-rac1 oradata]$ █
```

```
[oracle@ol6-ag-rac1 ~]$ rman target sys
```

```
Recovery Manager: Release 11.2.0.3.0 - Production on Mon Jan 16 20:45:46 2017
```

```
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```

```
target database Password:
```

```
connected to target database: DB11G (not mounted)
```

```
RMAN> █
```



```
RMAN> alter database mount;
```

```
using target database control file instead of recovery catalog  
database mounted
```

```
RMAN> █
```

```
RMAN> restore database;
```

```
Starting restore at 16-JAN-17
```

```
allocated channel: ORA_DISK_1
```

```
channel ORA_DISK_1: SID=20 device type=DISK
```

```
channel ORA_DISK_1: starting datafile backup set restore
```

```
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
```

```
channel ORA_DISK_1: restoring datafile 00001 to /u01/app/oracle/oradata/DB11G/datafiles/system01
```

```
channel ORA_DISK_1: restoring datafile 00002 to /u01/app/oracle/oradata/DB11G/datafiles/sysaux01
```

```
channel ORA_DISK_1: restoring datafile 00003 to /u01/app/oracle/oradata/DB11G/datafiles/undo01
```

```
channel ORA_DISK_1: restoring datafile 00004 to /u01/app/oracle/oradata/DB11G/datafiles/index01
```

```
channel ORA_DISK_1: restoring datafile 00005 to /u01/app/oracle/oradata/DB11G/datafiles/users01
```

```
channel ORA_DISK_1: reading from backup piece /u01/app/oracle/fra/DB11G/DB11G/backupset/2017_01_13/o1_mf_nnndf_TAG20170113T02
```

```
1514_d7jbk3qc_.bkp
```

```
channel ORA_DISK_1: piece handle=/u01/app/oracle/fra/DB11G/DB11G/backupset/2017_01_13/o1_mf_nnndf_TAG20170113T021514_d7jbk3qc
```

```
_.bkp tag=TAG20170113T021514
```

```
channel ORA_DISK_1: restored backup piece 1
```

```
channel ORA_DISK_1: restore complete, elapsed time: 00:13:19
```

```
Finished restore at 16-JAN-17
```

```
RMAN> █
```

```
RMAN> recover database;
```

```
Starting recover at 16-JAN-17
```

```
using channel ORA_DISK_1
```

```
starting media recovery
```

```
archived log for thread 1 with sequence 6 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1  
_mf_1_6_d7jbstr2_.arc
```

```
archived log for thread 1 with sequence 7 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1  
_mf_1_7_d7k6qldp_.arc
```

```
archived log for thread 1 with sequence 8 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1  
_mf_1_8_d7llxtts_.arc
```

```
archived log for thread 1 with sequence 9 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1  
_mf_1_9_d7lj2tls_.arc
```

```
archived log for thread 1 with sequence 10 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_10_d7lq1k80_.arc
```

```
archived log for thread 1 with sequence 11 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_11_d7md39j3_.arc
```

```
archived log for thread 1 with sequence 12 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_12_d7mt4qdj_.arc
```

```
archived log for thread 1 with sequence 13 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_13_d7n87jon_.arc
```

```
archived log for thread 1 with sequence 14 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_14_d7np24hd_.arc
```

```
archived log for thread 1 with sequence 15 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_15_d7o4hqhq_.arc
```

```
archived log for thread 1 with sequence 16 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o  
1_mf_1_16_d7o4jbt_.arc
```

```
archived log for thread 1 with sequence 17 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o  
1_mf_1_17_d7ocdwk7_.arc
```

```
archived log for thread 1 with sequence 18 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o  
1_mf_1_18_d7p0hsh0_.arc
```

```
archived log for thread 1 with sequence 19 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o  
1_mf_1_19_d7pc1d3h_.arc
```

```
archived log for thread 1 with sequence 20 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o  
1_mf_1_20_d7psgs8m_.arc
```

```
archived log for thread 1 with sequence 21 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o
1_mf_1_21_d7q74kg1_.arc
archived log for thread 1 with sequence 22 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o
1_mf_1_22_d7qrqywj_.arc
archived log for thread 1 with sequence 23 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o
1_mf_1_23_d7qvvk58_.arc
archived log for thread 1 with sequence 24 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_16/o
1_mf_1_24_d7rkbtyn_.arc
archived log for thread 1 with sequence 25 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_16/o
1_mf_1_25_d7s9z97l_.arc
archived log for thread 1 with sequence 26 is already on disk as file /u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_16/o
1_mf_1_26_d7t2mttt_.arc
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1_mf_1_6_d7jbstr2_.arc thread=1 sequence=6
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1_mf_1_7_d7k6qldp_.arc thread=1 sequence=7
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1_mf_1_8_d7l1xtts_.arc thread=1 sequence=8
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_13/o1_mf_1_9_d7lj2tls_.arc thread=1 sequence=9
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_10_d7lq1k80_.arc thread=1 sequence=10
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_11_d7md39j3_.arc thread=1 sequence=11
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_12_d7mt4qdj_.arc thread=1 sequence=12
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_13_d7n87jon_.arc thread=1 sequence=13
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_14_d7np24hd_.arc thread=1 sequence=14
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_15_d7o4hqhq_.arc thread=1 sequence=15
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_14/o1_mf_1_16_d7o4jb0t_.arc thread=1 sequence=16
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_17_d7ocdwk7_.arc thread=1 sequence=17
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_18_d7p0hsh0_.arc thread=1 sequence=18
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_19_d7pc1d3h_.arc thread=1 sequence=19
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_20_d7psgs8m_.arc thread=1 sequence=20
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_21_d7q74kg1_.arc thread=1 sequence=21
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_22_d7qrqywj_.arc thread=1 sequence=22
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_15/o1_mf_1_23_d7qvvk58_.arc thread=1 sequence=23
archived log file name=/u01/app/oracle/fra/DB11G/DB11G/archivelog/2017_01_16/o1_mf_1_24_d7rkbtyn_.arc thread=1 sequence=24
media recovery complete, elapsed time: 00:09:45
Finished recover at 16-JAN-17
```

RMAN> █

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G/datafiles
```

```
total 2124860
```

```
drwxr-xr-x. 2 oracle oinstall      4096 Jan 16 20:47 .
drwxr-xr-x. 5 oracle oinstall      4096 Jan 16 20:27 ..
-rw-r-----. 1 oracle oinstall 10493952 Jan 16 21:11 index01
-rw-r-----. 1 oracle oinstall 692068352 Jan 16 21:11 sysaux01
-rw-r-----. 1 oracle oinstall 754982912 Jan 16 21:11 system01
-rw-r-----. 1 oracle oinstall 713039872 Jan 16 21:11 undo01
-rw-r-----. 1 oracle oinstall  5251072 Jan 16 21:11 users01
```

```
RMAN> alter database open;
```

```
database opened
```

```
RMAN> █
```

```
[oracle@ol6-ag-rac1 ~]$ ls -la $ORACLE_BASE/oradata/DB11G/datafiles
total 2125884
drwxr-xr-x. 2 oracle oinstall      4096 Jan 16 21:12 .
drwxr-xr-x. 5 oracle oinstall      4096 Jan 16 20:27 ..
-rw-r-----. 1 oracle oinstall 10493952 Jan 16 21:12 index01
-rw-r-----. 1 oracle oinstall 692068352 Jan 16 21:12 sysaux01
-rw-r-----. 1 oracle oinstall 754982912 Jan 16 21:12 system01
-rw-r-----. 1 oracle oinstall 20979712 Jan 16 21:12 temp01
-rw-r-----. 1 oracle oinstall 713039872 Jan 16 21:12 undo01
-rw-r-----. 1 oracle oinstall 5251072 Jan 16 21:12 users01
[oracle@ol6-ag-rac1 ~]$ █
```

```
[oracle@ol6-ag-rac1 ~]$ sqlplus scott@DB11G
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Mon Jan 16 21:15:34 2017
```

```
Copyright (c) 1982, 2011, Oracle. All rights reserved.
```

```
Enter password:
```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, OLAP, Data Mining and Real Application Testing options
```

```
SQL> select empno, ename from emp;
```

```
EMPNO ENAME
```

```
-----  
7369 SMITH  
7499 ALLEN  
7521 WARD  
7566 JONES  
7654 MARTIN  
7698 BLAKE  
7782 CLARK  
7788 SCOTT  
7839 KING  
7844 TURNER  
7876 ADAMS
```

```
EMPNO ENAME
```

```
-----  
7900 JAMES  
7902 FORD  
7934 MILLER  
1111 TOM  
2222 DON
```

```
16 rows selected.
```