**Description:-**

In this is the blog we are doing Multiplexing of Control Files In Oracle 12c RAC/ASM database.

Step:-1 check current control file

SQL> select name from v$controlfile;  
NAME  
——————————————————————————–  
+DATA/PRODDB/CONTROLFILE/current.288.1065369585

+DATA/PRODDB/CONTROLFILE/current.287.1065369587

SQL> show parameter control\_files  
NAME TYPE VALUE  
———————————— ———– ——————————  
control\_files string +DATA/PRODDB/CONTROLFILE/curre nt.288.1065369585, +DATA/PRODD B/CONTROLFILE/current.287.1065 369587

Step:-2 Check the other diskgroup name for Multiplexing The Control Files

SQL> select name, total\_mb, free\_mb, free\_mb\*100/total\_mb from v$asm\_diskgroup;

NAME TOTAL\_MB FREE\_MB FREE\_MB\*100/TOTAL\_MB

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DATA 61428 24024 39.109201

RECO 30717 30587 99.5767816

Step:-3 Change the control\_files parameter with diskgroup name RECO

SQL> alter system set control\_files='+DATA/PRODDB/CONTROLFILE/current.288.1065369585','+DATA/PRODDB/CONTROLFILE/current.287.1065369587','+RECO' scope=spfile sid='\*';

System altered.

Step:-4 Stop the rac database service for both instance.

[oracle@rac1 ~]$ srvctl stop database -d proddb

[oracle@rac1 ~]$ srvctl status database -d proddb

Instance proddb1 is not running on node rac1

Instance proddb2 is not running on node rac2

Step:-5 Start the rac database in nomount state on both instance.

[oracle@rac1 ~]$ srvctl status database -d proddb

Instance proddb1 is running on node rac1

Instance proddb2 is running on node rac2

Step:-6 Restore control file using rman for Multiplexing

[oracle@rac1 ~]$ rman target /

Recovery Manager: Release 12.2.0.1.0 - Production on Thu Feb 25 10:12:37 2021

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connected to target database: PRODDB (not mounted)

RMAN> restore controlfile from '+DATA/PRODDB/CONTROLFILE/current.288.1065369585';

Starting restore at 25-FEB-21

using target database control file instead of recovery catalog

allocated channel: ORA\_DISK\_1

channel ORA\_DISK\_1: SID=31 instance=proddb1 device type=DISK

channel ORA\_DISK\_1: copied control file copy

output file name=+DATA/PRODDB/CONTROLFILE/current.288.1065369585

output file name=+DATA/PRODDB/CONTROLFILE/current.287.1065369587

output file name=+RECO/PRODDB/CONTROLFILE/current.256.1065435199

Finished restore at 25-FEB-21

RMAN>

Step:-7 Stop the rac database service on both instance.

[oracle@rac1 ~]$ srvctl stop database -d proddb

[oracle@rac1 ~]$ srvctl status database -d proddb

Instance proddb1 is not running on node rac1

Instance proddb2 is not running on node rac2

Step:-8 Restart the rac database for both instance.

[oracle@rac1 ~]$ srvctl start database -d proddb

[oracle@rac1 ~]$ srvctl status database -d proddb

Instance proddb1 is running on node rac1

Instance proddb2 is running on node rac2

Step:-9 After multiplexing the controlfile check the location

SQL> select name from v$controlfile;

NAME  
——————————————————————————–  
+DATA/PRODDB/CONTROLFILE/current.288.1065369585

+DATA/PRODDB/CONTROLFILE/current.287.1065369587

+RECO/PRODDB/CONTROLFILE/current.256.1065435199

SQL> show parameter control\_files  
NAME TYPE VALUE  
———————————— ———– ——————————

control\_files string +DATA/PRODDB/CONTROLFILE/curre nt.288.1065369585, +DATA/PRODD B/CONTROLFILE/current.287.1065 369587, +RECO/PRODDB/CONTROLFI LE/current.256.1065435199

We have successfully copied(multiplexing) control file in Oracle AMS/ RAC instances. check the location