1. [Primary] Disable the shipping:

PRIMARY\_SQL> Alter system set log\_archive\_dest\_state\_2=defer scope =both;

System altered.

2. [Primary] Creating archives by switching logfile.

PRIMARY\_SQL > alter system switch logfile;

System altered.

PRIMARY\_SQL > alter system switch logfile;

System altered.

3. [Primary] Remove the last two logs from archive. < as they haven’t been shipped yet.

4. [Primary] Enable shipping again:

PRIMARY\_SQL > Alter system set log\_archive\_dest\_state\_2=enable scope=both;

System altered.

As we have removed the new archives from primary, the standby database can’t proceed with the  
recovery without these logs.

Get scn of both primary and standby:

1. [Primary] Find current\_scn from primary.

PRIMARY\_SQL > select current\_scn from v$database;

CURRENT\_SCN

-----------

2791422

2. [Standby] Find current\_scn from standby.

STANDBY\_SQL > select current\_scn from v$database;

CURRENT\_SCN

-----------

2791087 -

2791087- Take a note of this scn, as we need to recover from this scn

3. [Standby] Stop the managed standby apply process:

STANDBY\_SQL > alter database recover managed standby database cancel;

Database altered.

4. [Standby] Shutdown the standby database

STANDBY\_SQL > shutdown immediate;

Database closed.

Database dismounted.

5. [Primary] take an incremental backup in primary from the scn number which we got in step 2 .

RMAN> run {

allocate channel c1 type disk format '/home/oracle/raj/rman\_bkup%U.rmb';

backup incremental from scn 2791087 database;

}

6. [Primary] Create a new standby control file in primary

PRIMARY\_SQL > alter database create standby control file as '/home/oracle/raj/control02.ctl';

Database altered.

7. Copy the rman backup file and new standby controlfile to standby database.

In standby the files were copied to /home/oracle/raj/.

8. [Standby] Start standby in startup nomount

STANDBY\_SQL > startup nomount;

9. [Standby] Find the location of controlfile in standby.

STANDBY\_SQL > show parameter control\_files

NAME TYPE VALUE

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

control\_files string /u04/TEST/oradata/control02.ctl

10. [Standby] Replace the controlfile in standby side with the one you just created in primary.

cp /home/oracle/raj/control02.ctl /u04/TEST/oradata/control02.ctl

11. [Standby] Mount standby database

*STANDBY\_SQL > alter database mount standby database*;

Database altered.

12. [Standby] Catloging rman files.

RMAN does not know about these files yet; so you must let it know – by a process called cataloging.

STANDBY]$ rman target /

RMAN> catalog start with '/home/oracle/raj';

Or

RESTORE DATABASE FROM BACKUP LOCATION '/path/to/backup\_files';

13. [Standby] Recover the database

RMAN> recover database;

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

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

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

RMAN-03002: failure of recover command at 09/20/2013 09:16:41

ORA-19870: error while restoring backup piece /home/oracle/raj/rman\_bkup0aokac2j\_1\_1.rmb

ORA-19573: cannot obtain exclusive enqueue for datafile 4

*<< If above errors are coming, then cancel the recovery again >>>*

**STANDBY\_SQL > alter database recover managed standby database cancel;**

Database altered.

Again follow the same process i.e recovering the database

**RMAN> recover database;**

archived log thread=1 sequence=251

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

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

RMAN-00571: ===========================================================10

RMAN-03002: failure of recover command at 09/20/2013 09:28:04

RMAN-06054: media recovery requesting unknown archived log for thread 1 with sequence 251 and starting SCN of

2796410

This error are expected errors.This happens because we have come to the last of the archived logs. The expected archived log with sequence# 8008 has not been generated yet.

**START MRP**

STANDBY\_SQL > alter database recover managed standby database disconnect from session;

Database altered.

Now the standby is completely in sync with primary and recovery is running fine. Lets check that.

Now check the archive status in both the databases.

1. [Primary] Find current\_scn from primary.

PRIMARY\_SQL > select current\_scn from v$database;

CURRENT\_SCN

-----------

2791422

2. [Standby] Find current\_scn from standby.

STANDBY\_SQL > select current\_scn from v$database;

CURRENT\_SCN

-----------

2791422

3. [Standby] Check the processes running on standby.

STANDBY\_SQL > select sequence#,process,status from v$managed\_standby;

SEQUENCE# PROCESS STATUS

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258 ARCH CLOSING

0 ARCH CONNECTED

259 RFS IDLE

259 MRP0 WAIT\_FOR\_LOG

RFS IDLE

4. [Primary] switch logfiles to confirm whether new archives are getting applied or not

PRIMARY\_SQL > alter system switch logfile;

System altered.

PRIMARY\_SQL > archive log list

Database log mode Archive Mode

Automatic archival Enabled

Archive destination /u03/TEST/oradata/REDO\_STDBY/

Oldest online log sequence 257

Next log sequence to archive 259

Current log sequence 259

STANDBY\_SQL > archive log list

Database log mode Archive Mode

Automatic archival Enabled

Archive destination /u04/TEST/oradata/REDO\_STDBY/

Oldest online log sequence 258

Next log sequence to archive 0

Current log sequence 259