hostnamectl set-hostname primary.com

export ORACLE\_HOME=/u01/app/oracle/product/19.0.0.0/dbhome\_1

export PATH=$ORACLE\_HOME/bin:$PATH

**PRIMARY DATABASE**

**===================**

ALTER DATABASE FORCE LOGGING;

set lines 180

col MEMBER for a80

select b.thread#, a.group#, a.member, b.bytes/1024/1024 MB FROM v$logfile a, v$log b WHERE a.group# = b.group#;

/u01/app/oracle/oradata/NLG/onlinelog/

ALTER DATABASE ADD STANDBY LOGFILE GROUP 8 ('/u01/app/oracle/oradata/NLG/onlinelog/redo08.log') SIZE 200M;

ALTER DATABASE ADD STANDBY LOGFILE GROUP 9 ('/u01/app/oracle/oradata/NLG/onlinelog/redo09.log') SIZE 200M;

ALTER DATABASE ADD STANDBY LOGFILE GROUP 10 ('/u01/app/oracle/oradata/NLG/onlinelog/redo10.log') SIZE 200M;

alter system set db\_unique\_name='NLG' scope=spfile;

ALTER SYSTEM SET LOG\_ARCHIVE\_CONFIG='DG\_CONFIG=(NLG,NLGS)' scope=both;

ALTER SYSTEM SET LOG\_ARCHIVE\_DEST\_2='SERVICE=NLGS LGWR ASYNC VALID\_FOR=(ONLINE\_LOGFILES,PRIMARY\_ROLE) DB\_UNIQUE\_NAME=NLGS' scope=both;

--ALTER SYSTEM SET LOG\_ARCHIVE\_DEST\_STATE\_1=ENABLE scope=both;

ALTER SYSTEM SET LOG\_ARCHIVE\_DEST\_STATE\_2=ENABLE scope=both;

ALTER SYSTEM SET fal\_server=NLGS scope=both;

ALTER SYSTEM SET STANDBY\_FILE\_MANAGEMENT=AUTO;

create pfile from spfile;

alter pluggable database all open;

exit;

mkdir -p /u01/rman\_bkp/NLG

rman target /

CONFIGURE RETENTION POLICY TO REDUNDANCY 2; # default

CONFIGURE BACKUP OPTIMIZATION ON; # default

CONFIGURE DEFAULT DEVICE TYPE TO DISK; # default

CONFIGURE CONTROLFILE AUTOBACKUP ON; # default

CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO '/u01/rman\_bkp/NLG/%F'; # default

CONFIGURE DEVICE TYPE DISK PARALLELISM 2 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 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 RMAN OUTPUT TO KEEP FOR 7 DAYS; # default

CONFIGURE ARCHIVELOG DELETION POLICY TO NONE; # default

CONFIGURE SNAPSHOT CONTROLFILE NAME TO '/u01/rman\_bkp/NLG/snapcf\_DB.f'; # default

CONFIGURE CHANNEL 1 DEVICE TYPE DISK FORMAT '/u01/rman\_bkp/NLG/%U';

CONFIGURE CHANNEL 2 DEVICE TYPE DISK FORMAT '/u01/rman\_bkp/NLG/%U';

Rman>backup database plus archivelog;

exit;

lsnrctl start

cd /u01/app/oracle/product/19.0.0.0/dbhome\_1/dbs/

scp initNLG.ora orapwNLG [oracle@192.168.0.139:/u01/app/oracle/product/19.0.0.0/dbhome\_1/dbs](mailto:oracle@192.168.0.139:/u01/app/oracle/product/19.0.0.0/dbhome_1/dbs)

cd /u01/app/oracle/product/19.0.0.0/dbhome\_1/network/admin

scp listener.ora tnsnames.ora oracle@192.168.0.139:/u01/app/oracle/product/19.0.0.0/dbhome\_1/network/admin/

scp -r /u01/rman\_bkp/NLG/ oracle@192.168.0.139:/u01/

NOTE: create listeners and TNS on both sides and

Primary

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Primary TNS,standby TNS

Standby

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Primary TNS,standby TNS

**STANDBY**

cd $ORACLE\_HOME

cd dbs

mv orapwNLG orapwNLGS

mv initNLG.ora initNLGS.ora

edit pfile

after modification your pfile will look like below.

[oracle@oradbsrv2 dbs]$ cat initNLGS.ora

NLGS.\_\_data\_transfer\_cache\_size=0

NLGS.\_\_db\_cache\_size=1761607680

NLGS.\_\_inmemory\_ext\_roarea=0

NLGS.\_\_inmemory\_ext\_rwarea=0

NLGS.\_\_java\_pool\_size=0

NLGS.\_\_large\_pool\_size=16777216

NLGS.\_\_oracle\_base='/u01/app/oracle'#ORACLE\_BASE set from environment

NLGS.\_\_pga\_aggregate\_target=805306368

NLGS.\_\_sga\_target=2415919104

NLGS.\_\_shared\_io\_pool\_size=117440512

NLGS.\_\_shared\_pool\_size=503316480

NLGS.\_\_streams\_pool\_size=0

NLGS.\_\_unified\_pga\_pool\_size=0

\*.audit\_file\_dest='/u01/app/oracle/admin/ NLGS/adump'

\*.audit\_trail='db'

\*.compatible='19.0.0'

\*.control\_files='/u01/app/oracle/oradata/NLGS/controlfile/o1\_mf\_lzt01bvo\_.ctl','/u01/app/oracle/fast\_recovery\_area/ NLGS/controlfile/o1\_mf\_lzt01bwt\_.ctl'

\*.db\_block\_size=8192

\*.db\_create\_file\_dest='/u01/app/oracle/oradata'

\*.db\_name=' NLG'

\*.db\_recovery\_file\_dest='/u01/app/oracle/fast\_recovery\_area'

\*.db\_recovery\_file\_dest\_size=12732m

\*.db\_unique\_name=' NLGS'

\*.diagnostic\_dest='/u01/app/oracle'

\*.dispatchers='(PROTOCOL=TCP) (SERVICE= NLGSXDB)'

\*.enable\_pluggable\_database=true

\*.fal\_server=' NLG'

\*.log\_archive\_config='DG\_CONFIG=( NLG,NLGS)'

\*.log\_archive\_dest\_2='SERVICE= NLG LGWR ASYNC VALID\_FOR=(ONLINE\_LOGFILES,PRIMARY\_ROLE) DB\_UNIQUE\_NAME= NLGS'

\*.open\_cursors=300

\*.pga\_aggregate\_target=767m

\*.processes=320

\*.remote\_login\_passwordfile='EXCLUSIVE'

\*.sga\_target=2301m

\*.standby\_file\_management='AUTO'

\*.undo\_tablespace='UNDOTBS1'

mkdir -p /u01/app/oracle/admin/ NLGS/adump /u01/app/oracle/oradata/ NLGS/controlfile/ /u01/app/oracle/fast\_recovery\_area/ NLGS/controlfile/ /u01/app/oracle/oradata /u01/app/oracle/fast\_recovery\_area

NOTE : make sure your environment variable ORACLE\_SID is set to NLGS

sqlplus / as sysdba

startup nomount;

create spfile from pfile;

shut immediate;

exit;

rman auxiliary /

run {

allocate auxiliary channel t1 type disk;

duplicate target database for standby backup location '/u01/rman\_bkp' nofilenamecheck;

}

--- from active database or target database

run {

allocate auxiliary channel t1 type disk;

allocate channel c1 type disk;

duplicate target database for standby from active database nofilenamecheck;

}

exit

sqlplus / as sysdba

ALTER DATABASE RECOVER MANAGED STANDBY DATABASE disconnect from session;

**PRIMARY**

alter system set log\_archive\_dest\_state\_2=DEFER scope=both sid='\*';

alter system set log\_archive\_dest\_state\_2=enable scope=both sid='\*';

**STANDBY**

**===========**

archivelog difference

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select arch.thread# "Thread",arch.sequence# "last sequence received",appl.sequence# "last sequence applied",(arch.sequence#-appl.sequence#) "difference" from (select thread#,sequence# from v$archived\_log where (thread#,first\_time) in (select thread#,max(first\_time) from v$archived\_log group by thread#)) arch,(select thread#,sequence# from v$log\_history where (thread#,first\_time) in (select thread#,max(first\_time) from v$log\_history group by thread#)) appl where (arch.thread# = appl.thread#) order by 1;

display archive log sequence

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select thread#,max(sequence#) "last primary seq generated" from v$archived\_log val,v$database vdb where val.resetlogs\_change#=vdb.resetlogs\_change# group by thread# order by 1;

MRP status

===========

select process,status,thread#,sequence#,block#,blocks from v$managed\_standby where process='MRP0';

alter database RECOVER MANAGED STANDBY DATABASE cancel;

ALTER DATABASE RECOVER MANAGED STANDBY DATABASE disconnect from session;