**DGMGRL CONFIGURATION**

**Primary Databse** = PROD  
**Standby Database** = STANDBY

1. **Check the Data Guard Broker is enabled**

**PRIMARY**

SQL> sho parameter dg\_broker\_start

NAME TYPE VALUE  
———————————— ———– ——————————  
dg\_broker\_start boolean FALSE

SQL> alter system set dg\_broker\_start=true;

System altered.

SQL> sho parameter dg\_brok

NAME TYPE VALUE  
———————————— ———– ——————————  
dg\_broker\_config\_file1 string /u01/app/oracle/product/19.0.0  
/dbhome\_1/dbs/dr1STANDBY.dat  
dg\_broker\_config\_file2 string /u01/app/oracle/product/19.0.0  
/dbhome\_1/dbs/dr2STANDBY.dat  
dg\_broker\_start boolean FALSE

**STANDBY :**

SQL> sho parameter dg\_broker\_start

NAME TYPE VALUE  
———————————— ———– ——————————  
dg\_broker\_start boolean FALSE

SQL> alter system set dg\_broker\_start=true;

System altered.

SQL> sho parameter dg\_brok

NAME TYPE VALUE  
———————————— ———– ——————————  
dg\_broker\_config\_file1 string /u01/app/oracle/product/19.0.0  
/dbhome\_1/dbs/dr1STANDBY.dat  
dg\_broker\_config\_file2 string /u01/app/oracle/product/19.0.0  
/dbhome\_1/dbs/dr2STANDBY.dat  
dg\_broker\_start boolean FALSE

1. **LISTENER FOR DG\_BROKER :**

LISTENER44 =  
(DESCRIPTION\_LIST =  
(DESCRIPTION =  
(ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.44)(PORT = 1544))  
)  
)  
SID\_LIST\_LISTENER44 =  
(SID\_LIST =  
(SID\_DESC =  
(GLOBAL\_DBNAME = **prod\_dgmgrl**)  
(ORACLE\_HOME = /u01/app/oracle/product/19.0.0/dbhome\_1)  
(INSTANCE\_NAME = prod)  
(SID\_NAME = prod)  
)  
)

1. **TNS ENTRY FOR DG\_BROKER :**

prodTNS =  
(DESCRIPTION =  
(ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.44)(PORT = 1544))  
(CONNECT\_DATA =  
(SERVER = DEDICATED)  
(SERVICE\_NAME = **prod\_dgmgrl**)  
)  
)  
STANDBYTNS =  
(DESCRIPTION =  
(ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.37)(PORT = 1544))  
(CONNECT\_DATA =  
(SERVER = DEDICATED)  
(SERVICE\_NAME = **standby\_dgmgrl**)  
)  
)

1. **REGISTER THE LOCAL LISTENER IN BOTH NODES :**

**PRIMARY :**

SQL> ALTER SYSTEM SET local\_listener='(DESCRIPTION = (ADDRESS\_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.44)(PORT = 1544))) (CONNECT\_DATA = (SERVER = DEDICATED) (SERVICE\_NAME = **prod\_dgmgrl**)))’;

System altered.

**STANDBY :**

SQL> ALTER SYSTEM SET local\_listener='(DESCRIPTION = (ADDRESS\_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.37)(PORT = 1544))) (CONNECT\_DATA = (SERVER = DEDICATED) (SERVICE\_NAME = **standby\_dgmgrl**)))’;

System altered.

1. **SET THE SERVICE ATTRIBUTE BE ‘N’ VALUE otherwise the error will occur:**

**Error:** ORA-16698: member has a LOG\_ARCHIVE\_DEST\_n parameter with SERVICE attribute set

SQL> alter system set LOG\_ARCHIVE\_DEST\_2=’’ scope=both;

System altered.

1. **Configure the Data Guard Configuration**

[oracle@trichy ~]$ **dgmgrl**  
DGMGRL for Linux: Release 19.0.0.0.0 – Production on Mon Jun 24 10:26:15 2019  
Version 19.3.0.0.0

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Welcome to DGMGRL, type “help” for information.  
DGMGRL> connect sys/\*\*\*\*\*\*\*\*  
Connected to “PROD”  
Connected as SYSDBA.  
DGMGRL>

**6.1 CREATE A CONFIGURATION :**

**DGMGRL> create configuration ‘sathish’ as primary database is ‘PROD’ connect identifier is PRODTNS;**Configuration “sathish” created with primary database “PROD”  
DGMGRL>

**6.2 ADD A STANDBY DATABASE TO CONFIGURATION :**

DGMGRL> **add database ‘STANDBY’ as connect identifier is STANDBYTNS;**  
Database “STANDBY” added  
DGMGRL>  
DGMGRL> show configuration

Configuration – sathish

Protection Mode: MaxPerformance  
Members:  
PROD – Primary database  
STANDBY – Physical standby database

Fast-Start Failover: Disabled

Configuration Status:  
DISABLED

**6.3 ENABLE THE PARAMETERS ON BOTH NODES :**

**PRIMARY :**

SQL> ALTER SYSTEM SET LOG\_ARCHIVE\_DEST\_2=’SERVICE=STANDBYTNS LGWR ASYNC NOAFFIRM VALID\_FOR=(ALL\_LOGFILES,PRIMARY\_ROLE) DB\_UNIQUE\_NAME=STANDBY’;

System altered.

**STANDBY :**

SQL> ALTER SYSTEM SET LOG\_ARCHIVE\_DEST\_2=’SERVICE=PRODTNS LGWR ASYNC NOAFFIRM VALID\_FOR=(ALL\_LOGFILES,PRIMARY\_ROLE) DB\_UNIQUE\_NAME=PROD’;

System altered.

**6.4 ENABLE CONFIGURATION :**

DGMGRL> **enable configuration**  
Enabled.

**6.5 VERIFY THE STATUS :**  
DGMGRL> **show configuration**

Configuration – sathish

Protection Mode: MaxPerformance  
Members:  
PROD – Primary database  
STANDBY – Physical standby database

Fast-Start Failover: Disabled

Configuration Status:  
SUCCESS (status updated 42 seconds ago)

DGMGRL>