

## CONFIGURING DG BROKER AND FSFO IN DG BROKER

Step1: checking log sequence on primary and standby.

### Primary Side

```
SQL> select max(sequence#) from v$archived_log;  
MAX(SEQUENCE#)
```

```
-----  
19
```

### Standby Side

```
SQL> select max(sequence#) from v$archived_log;  
MAX(SEQUENCE#)
```

```
-----  
19
```

Step 2: checking whether DG\_BROKER is started or not.

### Primary Side

```
SQL> show parameter DG_BROKER_START
```

| NAME            | TYPE    | VALUE |
|-----------------|---------|-------|
| dg_broker_start | boolean | FALSE |

### Standby Side

```
SQL> show parameter DG_BROKER_START
```

| NAME            | TYPE    | VALUE |
|-----------------|---------|-------|
| dg_broker_start | boolean | FALSE |

Step 3: changing value log\_archive\_dest\_2 to null for configuration.

### Primary Side

```
SQL> alter system set log_archive_dest_2="" scope=both;
```

### Standby Side

```
SQL> alter system set log_archive_dest_2="" scope=both;
```

Step 4: Starting dg\_broker on primary as well as standby

### Primary Side

```
SQL> alter system set dg_broker_start=true;
```

### Standby Side

```
SQL> alter system set dg_broker_start=true;
```

### Primary Side

SQL> show parameter DG\_BROKER\_START

| NAME            | TYPE    | VALUE |
|-----------------|---------|-------|
| dg_broker_start | boolean | TRUE  |

### Standby Side

SQL> show parameter DG\_BROKER\_START

| NAME            | TYPE    | VALUE |
|-----------------|---------|-------|
| dg_broker_start | boolean | TRUE  |

### Step 5: Connecting and configuring dg broker.

```
[oracle@sipl-27 ~]$ dgmgrl sys/Welcome#123@nsg
DGMGRL for Linux: Release 19.0.0.0.0 - Production on Sun Oct 1 17:07:54 2023
Version 19.3.0.0.0
Copyright (c) 1982, 2019, Oracle and/or its affiliates. All rights reserved.
Welcome to DGMGRL, type "help" for information.
Connected to "nsg"
Connected as SYSDBA.
```

```
DGMGRL> create configuration nsg as primary database is nsg connect identifier is nsg;
Configuration "nsg" created with primary database "nsg"
```

```
DGMGRL> add database mango as connect identifier is mango;
Database "mango" added
```

```
DGMGRL> enable configuration;
Enabled.
```

```
DGMGRL> show configuration;
Configuration - nsg
Protection Mode: MaxPerformance
Members:
nsg - Primary database
mango - Physical standby database
```

**Fast-Start Failover: Disabled**

```
Configuration Status:
SUCCESS (status updated 28 seconds ago)
```

```
DGMGRL> show database nsg;
Database - nsg
```

```
Role:          PRIMARY
Intended State: TRANSPORT-ON
```

Instance(s):

nsg

Database Status:

SUCCESS

DGMGRL> show database mango

Database - mango

Role: PHYSICAL STANDBY

Intended State: APPLY-ON

Transport Lag: 0 seconds (computed 0 seconds ago)

Apply Lag: 0 seconds (computed 0 seconds ago)

Average Apply Rate: 0 Byte/s

Real Time Query: OFF

Instance(s):

nsg

Database Status:

SUCCESS

Step 6: For enabling Fast Start Failover follow below steps.

- a) Set 'LogXpMode'='sync' for primary.
- b) Set 'LogXpMode'='sync' for standby.
- c) Set protection mod as **maxavailability**.
- d) Enable the Configuration.
- e) Enable the **Fast\_Start Failover**.
- f) Enable the **Observer**.

DGMGRL> edit database nsg set property 'LogXptMode'='sync';

Property "LogXptMode" updated

DGMGRL> edit database mango set property 'LogXptMode'='sync';

Property "LogXptMode" updated

DGMGRL> edit configuration set protection mode as maxavailability;

Succeeded.

DGMGRL> enable fast\_start failover;

Enabled in Zero Data Loss Mode.

DGMGRL> show configuration;

Configuration - nsg

Protection Mode: MaxAvailability

Members:

nsg - Primary database

Warning: ORA-16819: fast-start failover observer not started

mango - (\*) Physical standby database

Warning: ORA-16819: fast-start failover observer not started

Fast-Start Failover: Enabled in Zero Data Loss Mode

Configuration Status:

WARNING (status updated 9 seconds ago)

### Step 7: Starting the Observer.

```
[oracle@sipl-27 ~]$ nohup dgmgrl sys/Welcome#123@nsg "start observer  
file='$ORACLE_HOME/dbs/fsfo.dat'" -logfile $HOME/observer.log &  
DGMGRL> show configuration;  
Configuration - nsg
```

Protection Mode: MaxAvailability

Members:

nsg - Primary database

mango - (\*) Physical standby database

Fast-Start Failover: Enabled in Zero Data Loss Mode

Configuration Status:

SUCCESS (status updated 50 seconds ago)