

# How To Open The Standby Database When The Primary Is Lost

There may be scenario where Primary database is lost and we are only left with the standby database. In this scenario's we have to open the standby database in read-write mode. Below are the steps to convert standby database to Primary database.

## 1] Startup Mount :

```
SQL> startup mount;
ORACLE instance started.

Total System Global Area 3373858816 bytes
Fixed Size                  2180424 bytes
Variable Size              1845496504 bytes
Database Buffers           1509949440 bytes
Redo Buffers                16232448 bytes
Database mounted.
```

## 2] Check Status :

```
SQL> SELECT OPEN_MODE,PROTECTION_MODE,DATABASE_ROLE FROM V$DATABASE;

OPEN_MODE          PROTECTION_MODE    DATABASE_ROLE
-----
MOUNTED            MAXIMUM PERFORMANCE  PHYSICAL STANDBY
```

## 3] Recover if there is any archive logs :

```
SQL> recover standby database;
ORA-01153: an incompatible media recovery is active
```

To solve this issue, we cancel the media recovery by using the below command .

```
SQL> alter database recover managed standby database cancel;
Database altered.
```

```
SQL> RECOVER STANDBY DATABASE;
ORA-00279: change 2130362 generated at 07/26/2015 12:30:21 needed for thread 1
ORA-00289: suggestion : G:\ARCHIVES\ARC0000000176_0883347789.0001
ORA-00280: change 2130362 for thread 1 is in sequence #176

Specify log: (<RET>=suggested ; filename ; AUTO ; CANCEL)
CANCEL
Media recovery cancelled.
```

## 4] Finish the Recovery process :

The below command will perform the role transition as quickly as possible with little or no data loss and without rendering other standby databases unusable and to open the database in read-write mode we fire the below command :

```
SQL> ALTER DATABASE RECOVER MANAGED STANDBY DATABASE FINISH;  
Database altered.
```

#### 5] Activate the Standby Database :

```
SQL> ALTER DATABASE ACTIVATE PHYSICAL STANDBY DATABASE;  
Database altered.
```

#### 6] Check the new status :

```
SQL> SELECT OPEN_MODE,PROTECTION_MODE,DATABASE_ROLE FROM U$DATABASE;  
OPEN_MODE          PROTECTION_MODE    DATABASE_ROLE  
-----  
MOUNTED            MAXIMUM PERFORMANCE  PRIMARY
```

#### 7] Open the Database :

```
SQL> ALTER DATABASE OPEN;  
Database altered.  
SQL> SELECT OPEN_MODE,PROTECTION_MODE,DATABASE_ROLE FROM U$DATABASE;  
OPEN_MODE          PROTECTION_MODE    DATABASE_ROLE  
-----  
READ WRITE         MAXIMUM PERFORMANCE  PRIMARY
```

Enjoy :-)