

TWCMS UPGRADE GUIDE:

PREQ:

A. ENSURE ALL APPLICATIONS AND SERVICES ARE SHUT DOWN

1. CONFIRM DATABASE REPLICATION STATUS FROM STANDBY:

```
SQL> SELECT SEQUENCE#,NEXT_TIME,APPLIED FROM V$ARCHIVED_LOG;
```

AFTER THE CHECK AND ARCHIVE IS UPDATE,

```
SQL> ALTER SYSTEM SWITCH LOGFILE; ON PRIMARY DB
```

CONFIRM LOG HAS BEEN SHIPPED TO STANDBY.

2. DEFER DATA REPLICATION TO STANDBY

```
SQL> ALTER SYSTEM SET log_archive_dest_2=DEFER SCOPE=BOTH; ON PRIMARY
```

3. SHUT DOWN PRIMARY DATABASE AND RESTART THE SERVER

```
SQL> SHU IMMEDIATE
```

4. STARTUP THE DATABASE

```
SQL> STARTUP
```

5. COUNT INVALID OBJECTS

```
SQL>SELECT OWNER,OBJECT_NAME,OBJECT_TYPE FROM DBA_OBJECTS WHERE  
STATUS = 'INVALID' and OWNER='A4M'; ON TOAD
```

```
SQL> SELECT COUNT(*) FROM DBA_OBJECTS WHERE STATUS = 'INVALID' and  
OWNER='A4M';
```

THE SCRIP BELOW AIDS INVALID OBJECT COMPILATION

@Oracle_home/rdbms/admin/utlrp.sql

6. CLOSE ALL USER CONNECTIONS INCLUDING THAT OF SQLPLUS AND MONITORING SCREEN.

7. APPLICATION TEAM CAN NOW TAKE CHARGE AND PROCEED WITH UPGRADE

8. POST UPGRADE

LOGIN TO THE DATABASE AS SYSDBA WITH SYS PASSWORD PROVIDED BY THE RISK TEAM AND, CHECK INVALID OBJECT AND THEN RUN THE SCRIPT BELOW:

```
SQL>SELECT OWNER,OBJECT_NAME,OBJECT_TYPE FROM DBA_OBJECTS WHERE  
STATUS = 'INVALID' and OWNER='A4M'; ON TOAD
```

```
SQL> SELECT COUNT(*) FROM DBA_OBJECTS WHERE STATUS = 'INVALID' and  
OWNER='A4M';
```

```
SQL>@'c:\ORACLE\product\12.2.0\dbhome_1\rdbms\admin\utlrp.sql'; ON SQLPLUS
```

REGARDS

FAILOVER AND SWITCHROLE IN ORACLE

1. TAKE A FULL BACKUP OF THE DATABASE (PRIMARY)

-----ON CURRENT PRIMARY>>>>>>>>>PHYSICAL STANDBY

2. **select switchover_status from v\$database;** ---output should be to physical standby

3. **alter database commit to switchover to physical standby with session shutdown;**

4. **startup nomount**

5. **alter database mount standby database;**

6. **alter database recover managed standby database disconnect from session;**

-----ON CURRENT STANDBY>>>>>>>>TO PRIMARY

1. **select switchover_status from v\$database** ---Output will be to primary

2. **alter database commit to switchover to primary;** --- (IF IT FAILS)---OR CONFIRM IF REDO ARE PRESENT

---TO ADD REDO IF NOT PRESENT

2a. ALTER DATABASE ADD LOGFILE GROUP (NUM) ('MEMBER_LOCATION','MEMBER_LOCATION')
SIZE (NUM) --- SYNTAX

ALTER DATABASE ADD LOGFILE GROUP 1
('E:\ORACLE\oradata\testdb\REDO1.LOG','E:\ORACLE\oradata\testdb\REDO1.LOG') SIZE 200m;

3. **SHU IMMEDIATE**

4. **STARTUP**

5. CONFIRM REPLICATION AND DATABASE STATUS.

ON NEW PRIMARY

--- **alter system set log_archive_dest_state_2='ENABLE' scope =both ;**

---*.log_archive_dest_2='service=cardDBDR async valid_for=(ONLINE_LOGFILES,PRIMARY_ROLE)
DB_UNIQUE_NAME=CARDDBDR'

edit the above to conform to service name and db unique name of the new DR.

---swap existing roles for fal client and fal server

ON NEW STANDBY

---**alter system set log_archive_dest_state_2='DEFER' scope =both ;**

--- take off log_archive_dest_2='service

---swap existing roles for fal client and fal server

--- confirm replication ---> select sequence#, next_time, applied from v\$archived_log order by 1;

NB if ORA-01092 pops up on opening,
alter system set "_fix_control"='9550277:ON';

swap ips on tnsnames

TOAD 12 LICENSE KEY :

Key: 1-01361-02715-99090-69171

site message : www.idris.com