Oracle 11.2.0.4 Upgrade for DM02

# Pre-Install

## Confirm that previous night’s backup of DM02 was successful

## Run pre-upgrade checks

Login to datamart:

cp -r /orahome/allu01/upgrades/11204\_upgrades/DNTMPRP1 /orahome/allu01/upgrades/11204\_upgrades/DM02

cd /orahome/allu01/upgrades/11204\_upgrades/DM02

rm –f \*.log

rm –f \*.txt

rm –f \*.lst

export UPGRADE\_HOME=/orahome/allu01/upgrades/11204\_upgrades/DM02

cd $UPGRADE\_HOME

. $SETUPENV DM02

sqlplus / as sysdba

@save\_directory\_ddl.sql

quit

sqlplus / as sysdba

@?/rdbms/admin/utlrp.sql

spool invalids\_pre\_upgrade.txt

@list\_invalids.sql

quit

sqlplus / as sysdba

exec dbms\_stats.gather\_dictionary\_stats;

purge dba\_recyclebin;

quit

sqlplus / as sysdba

spool pre\_upgrade\_check.txt

@/orahome/allu01/app/oracle/product/11.2.0/db\_2/rdbms/admin/utlu112i.sql

quit

**Address any issues noted in the output. These may include:**

**alter system set job\_queue\_processes=17 scope=both;**

## Set up tns, ZOPA, and config files in the new home directory

. $SETUPENV DM02

export NEW\_HOME=/orahome/allu01/app/oracle/product/11.2.0/db\_2

cp $ORACLE\_HOME/dbs/orapwDM02 $NEW\_HOME/dbs

cp $ORACLE\_HOME/dbs/spfileDM02.ora $NEW\_HOME/dbs

cp $ORACLE\_HOME/dbs/initDM02.ora $NEW\_HOME/dbs

Note: This is the first db to be upgraded on this host, therefore we are copying the tns files to the new home. If this were not the first db, we would just be comparing the tnsnames.ora and sqlnet.ora and editing the listener.ora

cp $ORACLE\_HOME/network/admin/\*.ora $NEW\_HOME/network/admin

vi $NEW\_HOME/network/admin/listener.ora

Change the paths for DM02 reflect the new home .

# Upgrade Steps

## Create grid control blackout for DM02

## Log onto boraw1q and set environment

. $SETUPENV DM02

## Shut down database and listener

sqlplus / as sysdba

shutdown immediate

exit

lsnrctl stop DM02

## Add new home to oratab

cp /etc/oratab $HOME/oratab.ddmmyy.txt

vi /etc/oratab

**Change the entry for** DM02 **to the new home (db\_1)**

## Set environment and begin upgrade

. $SETUPENV DM02

**Note: Should show the new home**

export UPGRADE\_HOME=/orahome/allu01/upgrades/11204\_upgrades/DM02

cd $UPGRADE\_HOME

sqlplus / as sysdba

spool upgrade.log

set trimspool on

startup upgrade

set echo on

@?/rdbms/admin/catupgrd.sql;

spool off

The database should shut down automatically at the end.

Review the output to see if there are any notable errors.

## Startup in normal mode and perform post-upgrade steps

sqlplus / as sysdba

startup

spool catuppst.lst

@?/rdbms/admin/catuppst.sql

quit

**Review output for errors**

**Run sqlpatch:**

cd $ORACLE\_HOME/sqlpatch/19877440

sqlplus / as sysdba

@postinstall.sql

**Recompile and check invalids**

cd $UPGRADE\_HOME

sqlplus / as sydba

@?/rdbms/admin/utlrp

spool post\_upgrade\_invalids.txt

@list\_invalids.sql

quit

Compare invalids from before/after the upgrade

Check DBA\_REGISTRY\_HISTORY for latest patch  
@check\_registry.sql

**The output should look like:**

COMP\_NAME VERSION

STATUS

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- -----------

JServer JAVA Virtual Machine 11.2.0.4.0

VALID

OLAP Analytic Workspace 11.2.0.4.0

VALID

OLAP Catalog 11.2.0.4.0

VALID

Oracle Application Express 3.2.1.00.12

VALID

Oracle Database Catalog Views 11.2.0.4.0

VALID

Oracle Database Java Packages 11.2.0.4.0

VALID

Oracle Database Packages and Types 11.2.0.4.0

VALID

Oracle Expression Filter 11.2.0.4.0

VALID

Oracle Multimedia 11.2.0.4.0

VALID

Oracle OLAP API 11.2.0.4.0

VALID

Oracle Rules Manager 11.2.0.4.0

VALID

Oracle Text 11.2.0.4.0

VALID

Oracle Workspace Manager 11.2.0.4.0

VALID

Oracle XDK 11.2.0.4.0

VALID

Oracle XML Database 11.2.0.4.0

VALID

15 rows selected.

**Restart DB and Listener**

lsnrctl start DM02

!! if needed

sqlplus / as sysdba

create spfile from pfile;

shutdown immediate;

startup

# Post-Install Steps

## Upgrade the rman catalog

rman target / catalog DM02@rcatprod

upgrade catalog;

upgrade catalog;

## In Grid Control

* Change the configured home directory for the database
* Change the configured home directory for the listener (DM02)
* Stop the blackout

## Run an archivelog backup to confirm that rman backups are functional

rman target / catalog DM02@rcatprod

backup archivelog all delete input;