**PY dataguard standby:**

Primary Server : xhepydbw22d (HEPYDEV2)

StandBy Server: xhepydbw25d (HEPYDEV2)

**DW (ADG) dataguard standby:**

Primary Server : xhedwdbw21q (HEDWQA)

StandBy Server: xhedwdbm21q (HEDWQA)

**Note: only use Standby related steps for databases above.**

**PY upgrade steps**

-- Check make sure last PY Archivelog job completed, so FLASH\_1 is freed up.

(Change schedule for this job in OEM and run prior to upgrade if needed)

-- Check make sure ARCHIVE\_LOG\_PURGE completed recently on Standby , so FLASH\_01 is freed up

(Change schedule for this job in OEM and run prior to upgrade if needed)

-- How to check FLASH\_01 space

. oraenv

+ASM

+ASM> asmcmd lsdg

. oraenv

DbTobeUpgraded

--Get Flashback Database status in **Primary** database (should return NO )

sql => select flashback\_on from v$database;

FLASHBACK\_ON

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

NO

--Get Flashback Database status in **Standby** database (Should return NO)

sql => select flashback\_on from v$database;

FLASHBACK\_ON

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

NO

From **Primary** database

alter system set db\_recovery\_file\_dest\_size = 30G scope=both;

SQL> show parameter db\_recovery\_file\_dest\_size

From **Standby** database

alter system set db\_recovery\_file\_dest\_size = xxG scope=both;

SQL> show parameter db\_recovery\_file\_dest

**--Create the Guaranteed Restore Point**

**--To be run on the Primary database server - Script will also configure the standby database if in place**

cd $SCRIPTS

create\_guaranteed\_restore\_point.sh $ORACLE\_SID b4\_app\_upgrade

**Confirm flashback\_database configured in standby database**

Run below select in standby database

select flashback\_on from v$database;

**DW upgrade steps**

-- Check make sure last PY Archivelog job completed, so FLASH\_1 is freed up.

(Change schedule for this job in OEM and run prior to upgrade if needed)

-- Check make sure ARCHIVE\_LOG\_PURGE completed recently on Standby , so FLASH\_01 is freed up

(Change schedule for this job in OEM and run prior to upgrade if needed)

-- How to check FLASH\_01 space

. oraenv

+ASM

+ASM> asmcmd lsdg

. oraenv

DbTobeUpgraded

--Run **LockUser** procedure in database to be upgraded. (Use DBArtisan or sqlplus)

sqlplus / as sysdba

EXECUTE aedba.LOCKUSER;

**-- Get Flashback Database status in database (Should return NO)**

sql => select flashback\_on from v$database;

FLASHBACK\_ON

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NO

alter system set db\_recovery\_file\_dest\_size = xxG scope=both;

SQL> show parameter db\_recovery\_file\_dest\_size

cd $SCRIPTS

create\_guaranteed\_restore\_point.sh $ORACLE\_SID b4\_app\_upgrade

**-----------------------------> Post Upgrade steps**

**PY Post Upgrade steps**

* Check how much logs being generated during upgrade for future reference.

--To Monitor flashback logs size that being generated during upgrade

. oraenv

DbTobeUpgraded

SELECT

SUM(bytes/1024/1024/1024) as "Size(GB)"

FROM

v$flashback\_database\_logfile;

HEPYQA: 120 GB

**Drop restore points**

**Drop Guaranteed Restore Point and turn off flashback\_database in the standby database if exist**

**To be run on the primary database server**

**Primary**:

cd $SCRIPTS

drop\_guaranteed\_restore\_point.sh $ORACLE\_SID b4\_app\_upgrade

Confirm restore point dropped

sqlplus / as sysdba

select name from v$restore\_point where guarantee\_flashback\_database='YES';

**Confirm flashback\_database not configured in standby database**

**Run below select in standby database**

select flashback\_on from v$database;

Resize the FRA in the primary database and the standby database

Primary DataBase:

sqlplus / as sysdba

~~alter system set db\_recovery\_file\_dest\_size = 7G scope=both;~~

show parameter db\_recovery\_file\_dest\_size;

Standby DataBase:

sqlplus / as sysdba

~~alter system set db\_recovery\_file\_dest\_size = 7G scope=both;~~

show parameter db\_recovery\_file\_dest;

**DW Post upgrade steps**

Check how much logs being generated during upgrade

--To Monitor flashback logs size that being generated during upgrade

. oraenv

DbTobeUpgraded

SELECT

SUM(bytes/1024/1024/1024) as "Size(GB)"

FROM

v$flashback\_database\_logfile;

--HEDWQA: 7 GB

**Drop restore points**

cd $SCRIPTS

drop\_guaranteed\_restore\_point.sh $ORACLE\_SID b4\_app\_upgrade

Confirm restore point dropped

sqlplus / as sysdba

select name from v$restore\_point where guarantee\_flashback\_database='YES';

Resize the FRA in the database

sqlplus / as sysdba

~~alter system set db\_recovery\_file\_dest\_size = 7G scope=both;~~

show parameter db\_recovery\_file\_dest\_size;

-- Run **UNLOCKUSER** procedure in DbToBeUpgraded (Use DBArtisan or sqlplus)

sqlplus / as sysdba

EXECUTE aedba.UNLOCKUSER;