**PY upgrade steps**

Primary Server : xhepydbw22d (HEPYDEV2)

StandBy Server: xhepydbw25d (HEPYDEV2)

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

Run manually if needed

--Run OEM **Standby** ARCHIVE\_LOG\_PURGE on Standby server. If needed.

-- Check make sure FLASH space freed up on both Primary and Standby servers.

. oraenv

+ASM

sqlplus / as sysdba

@showasm

Or

+ASM> asmcmd lsdg

--Comment heartbeat in cron on **Primary** server

#\*/5 \* \* \* \* /home/oracle/tls/rman/heartbeat.ksh HEPYDEV2 AEDBA > /dev/null 2>&1

--Manually update RMAN HeartBeat Table in **Primary** Database

/home/oracle/tls/rman/heartbeat.ksh HEPYDEV2 AEDBA

--Get Flashback Database status in **Primary** database

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

FLASHBACK\_ON

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

NO

--Get Flashback Database status in **Standby** database

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

FLASHBACK\_ON

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

NO

From **Primary** database

alter system set db\_recovery\_file\_dest\_size = 40G scope=both;

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

From **Standby** database

alter system set db\_recovery\_file\_dest\_size = 40G scope=both;

SQL> show parameter db\_recovery\_file\_dest

**--Create the Guaranteed Restore Point and configure the standby database for flashback\_database**

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

cd $SCRIPTS

create\_guaranteed\_restore\_point.sh HEPYDEV2 b4\_app\_upgrade

\*/5 \* \* \* \* /home/oracle/tls/rman/heartbeat.ksh HEPYDEV2 AEDBA > /dev/null 2>&1

Confirm flashback\_database configured in standby database

Run below select in standby database

select flashback\_on from v$database;

**DW upgrade steps – No standby in place.**

Server: xhedwdbw22d (HEDWDEV2)

-- Check make sure last DW Archivelog jobs completed so FLASH\_1 is freed up.

Run manually if needed

-- Check make sure FLASH space freed up

. oraenv

+ASM

sqlplus / as sysdba

@showasm

Or

+ASM> asmcmd lsdg

--Run **LockUser** procedure in HEDWDEV2. (Use DBArtisan or sqlplus)

sqlplus / as sysdba

EXECUTE aedba.LOCKUSER;

--Comment heartbeat in cron on **Primary** server

#\* /home/oracle/tls/rman/heartbeat.ksh HEDWDEV2 AEDBA

--Manually update RMAN HeartBeat Table in **Primary** Database

/home/oracle/tls/rman/heartbeat.ksh HEDWDEV2 AEDBA

-- Get Flashback Database status in database

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

FLASHBACK\_ON

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

NO

alter system set db\_recovery\_file\_dest\_size = 10G scope=both;

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

cd $SCRIPTS

create\_guaranteed\_restore\_point.sh HEDWDEV2 b4\_app\_upgrade

Uncomment the heartbeat script in cron on primary server

\*/5 \* \* \* \* /home/oracle/tls/rman/heartbeat.ksh HEDWDEV2 AEDBA > /dev/null 2>&1

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

**PY Post Upgrade steps**

Primary Server : xhepydbw22d (HEPYDEV2)

StandBy Server: xhepydbw25d (HEPYDEV2)

* Check how much logs being generated during upgrade. If FLASH space does not have much free drop restore points first.

. oraenv

+ASM

--- To monitor FLASH space in general

sqlplus / as sysdba

@showasm

exit

or

asmcmd lsdg

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

. oraenv

HEPYDEV2

SELECT

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

FROM

v$flashback\_database\_logfile;

18 GB

**Drop restore points**

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

**To be run on the primary database server - Script will also configure the standby database**

**Primary**:

cd $SCRIPTS

drop\_guaranteed\_restore\_point.sh HEPYDEV2 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 - No standby in place.**

Server: xhedwdbw22d (HEDWDEV2)

* Check how much logs being generated during upgrade. If FLASH space does not have much free drop restore points first.

. oraenv

+ASM

--- To monitor FLASH space in general

sqlplus / as sysdba

@showasm

or

asmcmd lsdg

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

. oraenv

HEDWDEV2

SELECT

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

FROM

v$flashback\_database\_logfile;

**Drop restore points**

cd $SCRIPTS

drop\_guaranteed\_restore\_point.sh HEDWDEV2 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 HEDWDEV2 (Use DBArtisan or sqlplus)

sqlplus / as sysdba

EXECUTE aedba.UNLOCKUSER;