HEPYDBA\_xhepydbw21d - Primary database

HEPYDBA\_xsrxdbw1q - Physical standby database

1. **Decouple Standby**

Suspend Primary DB OEM jobs

BACKUP\_HEPYDBA\_XHEPYDBW21D\_LOGS

BACKUP\_HEPYDBA\_XHEPYDBW21D\_LEVEL\_1

HEPYDBA\_CHANGE\_DATAGUARD\_SYS\_PWD

BACKUP\_HEPYDBA\_XHEPYDBW21D\_LEVEL0

BACKUP\_HEPYDBA\_XHEPYDBW21D\_BIWKLY\_LEVEL\_1

Comment out any jobs in cron for Primary DB

Suspend Standby DB OEM jobs

HEPYDBA\_STDBY1\_ARCHIVE\_LOG\_PURGE

PURGE\_AND\_TRIM\_LOGS\_HEPYDBA\_XSRXDBW1Q

Confirm Apps down on **Primary**

Run heartbeat script on **Primary**

cd /home/oracle/tls/rman/

./heartbeat.ksh HEPYDBA AEDBA

DBNAME Start Time

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

HEPYDBA 07-01-2021 07:41:28 AM

Previous TimeStamp

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

03-24-2021 05:08:13 PM

Current TimeStamp

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

07-01-2021 07:41:28 AM

End Time

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

07-01-2021 07:41:28 AM

Log switch on **Primary** and check to make sure log was applied over on Standby

sqlplus / as sysdba

alter system switch logfile;

SELECT DB\_NAME, HOSTNAME, LOG\_ARCHIVED, LOG\_APPLIED,APPLIED\_TIME,

LOG\_ARCHIVED-LOG\_APPLIED LOG\_GAP

FROM

(

SELECT NAME DB\_NAME

FROM V$DATABASE

),

(

SELECT UPPER(SUBSTR(HOST\_NAME,1,(DECODE(INSTR(HOST\_NAME,'.'),0,LENGTH(HOST\_NAME),

(INSTR(HOST\_NAME,'.')-1))))) HOSTNAME

FROM V$INSTANCE

),

(

SELECT MAX(SEQUENCE#) LOG\_ARCHIVED

FROM V$ARCHIVED\_LOG WHERE DEST\_ID=1 AND ARCHIVED='YES'

),

(

SELECT MAX(SEQUENCE#) LOG\_APPLIED

FROM V$ARCHIVED\_LOG WHERE DEST\_ID=2 AND APPLIED='YES'

),

(

SELECT TO\_CHAR(MAX(COMPLETION\_TIME),'DD-MON/HH24:MI') APPLIED\_TIME

FROM V$ARCHIVED\_LOG WHERE DEST\_ID=2 AND APPLIED='YES'

);

Wait until Gap is 0

Suspend log shipping from **Primary**

cd $SCRIPTS

./DISable\_log\_shipping.sh HEPYDBA

Run this on **Standby** to see if log being applied.

select max(sequence#) as "REDO LOG APPLIED ON STANDBY"

from v$archived\_log

where applied = 'YES';

select thread#,

sequence# as "REDO LOG BEING APPLIED",

process,

status,

block#,

blocks

from v$managed\_standby

where sequence# in

(select max(sequence#) from v$managed\_standby);

Turn off log applied on **Standby**

dgmgrl /

edit database 'HEPYDBA\_xsrxdbw1q' set state=apply-off;

Bring **Standby** down

srvctl stop database -d HEPYDBA\_xsrxdbw1q

Create restore point on **Primary**

cd /home/oracle/tls/rman

./create\_restore\_point\_new.sh HEPYDBA B4UPGJUL012021

note time of last heartbeat: 07-01-2021 07:46:44 AM

Archive log backup on **Primary**

cd /orahome/u01/app/oracle/local/scripts/

./backup\_archive\_logs.sh HEPYDBA

Bring **Standby** up

srvctl start database -d HEPYDBA\_xsrxdbw1q

Remove StandBy configuration from **Primary**

sqlplus / as sysdba

show parameter log\_archive\_dest\_2

service="(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=xsrxdbw1q)(PORT=1655))(CONNECT\_DATA=(SID=HEPYDBA)))", ASYNC NOAFFIRM delay=0 optional compression=disable max\_failure=0 reopen=300 db\_unique\_name="HEPYDBA\_xsrxdbw1q" net\_timeout=30, valid\_for=(online\_logfile,all\_roles)

show parameter log\_archive\_config;

dg\_config=(HEPYDBA\_xhepydbw21d,HEPYDBA\_xsrxdbw1q)

dgmgrl /

show configuration;

Welcome to DGMGRL, type "help" for information.

Connected to "HEPYDBA\_xhepydbw21d"

Connected as SYSDG.

DGMGRL> show configuration;

Configuration - HEPYDBA

Protection Mode: MaxPerformance

Members:

HEPYDBA\_xhepydbw21d - Primary database

HEPYDBA\_xsrxdbw1q - Physical standby database

Fast-Start Failover: Disabled

Configuration Status:

SUCCESS (status updated 29 seconds ago)

disable database 'HEPYDBA\_xsrxdbw1q';

Disabled.

remove database 'HEPYDBA\_xsrxdbw1q';

Warning: ORA-16620: one or more databases could not be reached for a delete operation

Removed database "HEPYDBA\_xsrxdbw1q" from the configuration

sqlplus / as sysdba

alter system set log\_archive\_dest\_2='' scope=both;

alter system set LOG\_ARCHIVE\_CONFIG='' scope=both;

Remove broker from **Standby**

sqlplus / as sysdba

show parameter dg\_broker\_config\_file

dg\_broker\_config\_file1 string

/orahome/u01/app/oracle/product/19.11.0/db\_1/dbs/dr1HEPYDBA\_xhepydbw21d.dat

dg\_broker\_config\_file2 string

/orahome/u01/app/oracle/product/19.11.0/db\_1/dbs/dr2HEPYDBA\_xhepydbw21d.dat

cd $ORACLE\_HOME/dbs

mv dr1HEPYDBA\_xhepydbw21d.dat dr1HEPYDBA\_xhepydbw21d.dat\_20210701

mv dr2HEPYDBA\_xhepydbw21d.dat dr2HEPYDBA\_xhepydbw21d.dat\_20210701

Run from **StandBy**

sqlplus / as sysdba

ALTER DATABASE RECOVER MANAGED STANDBY DATABASE FINISH;

ALTER DATABASE ACTIVATE PHYSICAL STANDBY DATABASE;

ALTER SYSTEM SET DG\_BROKER\_START = FALSE;

SHUTDOWN IMMEDIATE;

STARTUP;

SELECT OPEN\_MODE,PROTECTION\_MODE,DATABASE\_ROLE FROM V$DATABASE;

OPEN\_MODE

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

PROTECTION\_MODE

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

DATABASE\_ROLE

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

READ WRITE

MAXIMUM PERFORMANCE

PRIMARY

SELECT \* from AEDBA.RMAN\_HEARTBEAT;

srvctl config database -d HEPYDBA\_xsrxdbw1q

srvctl modify database -d HEPYDBA\_xsrxdbw1q -s open -r PRIMARY

srvctl stop database -d HEPYDBA\_xsrxdbw1q

srvctl start database -d HEPYDBA\_xsrxdbw1q

srvctl config database -d HEPYDBA\_xsrxdbw1q

Bounce AGENT on **Standby**

. oraenv

GCAGENT

emctl stop agent

emctl start agent

. oraenv

HEPYDBA

cd $BDUMP

Check to make sure no trace files generating

Check alert.log file

Bounce AGENT on **Primary**

. oraenv

GCAGENT

emctl stop agent

emctl start agent

. oraenv

HEPYDBA

cd $BDUMP

Check to make sure no trace files generating

Check alert.log file

Check to make sure we can run AWR in OEM for HEPYDBA on xsrxdbw1q

Change RMAN deletion policy on HEPYDBA (xhepydbw21d)

rmanc

CONFIGURE ARCHIVELOG DELETION POLICY TO BACKED UP 1 TIMES TO 'SBT\_TAPE';

Move HEPYDBA on xhepydbw21d to noarchivelog mode.

shutdown immediate;

startup mount;

alter database noarchivelog;

alter database open;

archive log list;

1. Schema changes steps

Extract PUBLIC SYNONYMs and pre create file change schema in there.

Extract any special AE\_CUSTOM grants and stage objects re deploy scripts.

-- Schema level export

--Estimate first

expdp A236120/Jun02#2021 DIRECTORY=DATA\_PUMP\_DIR SCHEMAS=DEV ESTIMATE\_ONLY=Y

expdp A236120/Jun02#2021 DIRECTORY=DATA\_PUMP\_DIR DUMPFILE=HEPYDBA\_DEV\_SCHEMA.dmp LOGFILE=expdp\_HEPYDBA\_DEV\_SCHEMA.log SCHEMAS=DEV

@?/rdbms/admin/utlrp

select count(\*) from dba\_objects where status='INVALID';

1

DROP USER DEV CASCADE

/

impdp A236120/Jun02#2021 DIRECTORY=DATA\_PUMP\_DIR DUMPFILE=HEPYDBA\_DEV\_SCHEMA.dmp PARALLEL=3 REMAP\_SCHEMA=DEV:PROD TABLE\_EXISTS\_ACTION=REPLACE LOGFILE=impdp\_HEPYDBA\_PROD\_SCHEMA.log

fix any errors.

@?/rdbms/admin/utlrp

select count(\*) from dba\_objects where status='INVALID';

1

Re deploy any AE\_CUSTOM grants and objects.

1. Rebuild Standby steps

Enable other OEM backup jobs and cron jobs

Once Level0 completed go ahead and drop HEPYDBA on xsrxdbw1q and create new standby

Login to xsrxdbw1q

. oraenv

HEPYDBA

cd $SCRIPTS

drop\_database.sh HEPYDBA

nohup ./create\_standby\_db.sh HEPYDBA 1655 xhepydbw21d <<< $'4\xxx\n' &