How to Recover From a Failed HRP PROD Implementation

HEPYPRD\_xhepydbm21p is the primary database

HEPYPRD\_xhepydbw21p is the standby database.

Logon to server hosting primary database

. oraenv

HEPYPRD

Obtain SYS P

cd /home/oracle/tls/dg

get\_sys\_P.sh

**Current configuration:**

HEPYPRD> dgmgrl

DGMGRL for Linux: Version 12.1.0.2.0 - 64bit Production

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Welcome to DGMGRL, type "help" for information.

DGMGRL> connect sys

P:

Connected as SYSDBA.

DGMGRL> show configuration

Configuration - HEPYPRD

Protection Mode: MaxPerformance

Members:

HEPYPRD\_xhepydbm21p - Primary database

HEPYPRD\_xhepydbw21p - Physical standby database

DGMGRL>

**Disable log transport prior to application implementation**

DGMGRL> show database 'HEPYPRD\_xhepydbm21p'

Database - HEPYPRD\_xhepydbm21p

Role: PRIMARY

Intended State: TRANSPORT-ON

Instance(s):

HEPYPRD

Database Status:

SUCCESS

DGMGRL> edit database 'HEPYPRD\_xhepydbm21p' set state='transport-off'

> ;

Succeeded.

DGMGRL> show database 'HEPYPRD\_xhepydbm21p'

Database - HEPYPRD\_xhepydbm21p

Role: PRIMARY

Intended State: TRANSPORT-OFF

Instance(s):

HEPYPRD

Database Status:

SUCCESS

DGMGRL>

**Upon implementation failure, perform the following**

1. **Shutdown primary database**

xhepydbm21p.aetna.com (oracle) HEPYPRD::/orahome/u01/app/oracle/local/scripts

HEPYPRD> srvctl stop database -d HEPYPRD\_xhepydbm21p

1. **Failover to standby database**

Logon to server hosting standby database

. oraenv

HEPYPRD

xhepydbw21p.aetna.com (oracle) HEPYPRD::/home/oracle

HEPYPRD> dgmgrl

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DGMGRL> connect sys

P:

Connected as SYSDBA.

DGMGRL> show configuration

Configuration - HEPYPRD

Protection Mode: MaxPerformance

Members:

HEPYPRD\_xhepydbm21p - Primary database

Error: ORA-01034: ORACLE not available

HEPYPRD\_xhepydbw21p - Physical standby database

Fast-Start Failover: DISABLED

Configuration Status:

ERROR (status updated 0 seconds ago)

DGMGRL> failover to 'HEPYPRD\_xhepydbw21p'

Performing failover NOW, please wait...

Failover succeeded, new primary is "HEPYPRD\_xhepydbw21p"

DGMGRL>

1. **Drop database on old primary.**

Logon to server hosting primary database

. oraenv

HEPYPRD

cd $SCRIPTS

HEPYPRD> drop\_database.sh HEPYPRD

Review log file in directory /orahome/u01/app/oracle/local/logs for details

Oracle Instance is not active. Attempting to start in read only mode

Database HEPYPRD\_xhepydbm21p has been started and opened read only.....

About to drop database HEPYPRD\_xhepydbm21p are you sure you want to continue?

1) Yes

2) No

#? 1

User replies Yes, continuing with drop.....

Do you wish to backup remaining archive logs before dropping database?

1) Yes

2) No

#? 1

User replies Yes, continuing with drop database.....

The DBID for HEPYPRD\_xhepydbm21p is 915700946

Dropping Database ...................

sgslufread: Hard error on read, OS error = 32

Connecting to database

4% complete

9% complete

14% complete

19% complete

23% complete

28% complete

47% complete

Updating network configuration files

48% complete

52% complete

Deleting instance and datafiles

76% complete

100% complete

Look at the log file in directory /orahome/u01/app/oracle/cfgtoollogs/dbca for further details.

Drop of database HEPYPRD complete

Removing listener HEPYPRD........

Listener HEPYPRD has been removed

Do you want to save and remove the database and listener diag directories?

1) Yes

2) No

#? 2

User Replies NO, keeping diag directories.

Do you want to save and remove the /orahome/u01/app/oracle/admin/HEPYPRD directory?

1) Yes

2) No

#? 2

User Replies NO, keeping admin directory, removing ORACLE\_HOME symbolic link

oracle\_home symbolic link has been removed

Removing ASM directories..........

ASM directory removal is commplete

Do you want to remove the OEM database and listener targets?

1) Yes

2) No

#? 2

User Replies NO, OEM will not be updated

Do you want to delete database backups?

1) Yes

2) No

3) Schedule

#? 2

User Replies NO, no cleanup actions will be taken

Drop HEPYPRD complete using /orahome/u01/app/oracle/local/scripts/drop\_database.sh

1. **Recreate Standby on original primary VM**

nohup create\_standby\_db.sh HEPYPRD 1574 xhepydbw21p <<< $'8\nxyz\n' &

1. **Switch over to original primary**

HEPYPRD> dgmgrl

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DGMGRL> connect sys

P:

Connected as SYSDBA.

DGMGRL> show configuration;

Configuration - HEPYPRD

Protection Mode: MaxPerformance

Members:

HEPYPRD\_xhepydbw21p - Primary database

HEPYPRD\_xhepydbm21p - Physical standby database

Warning: ORA-16857: standby disconnected from redo source for longer than specified threshold

DGMGRL> switchover to 'HEPYPRD\_xhepydbm21p';

Performing switchover NOW, please wait...

New primary database "HEPYPRD\_xhepydbm21p" is opening...

Oracle Clusterware is restarting database "HEPYPRD\_xhepydbm21p" ...

Switchover succeeded, new primary is "HEPYPRD\_xhepydbm21p"

DGMGRL>

1. **Enable Block Change Tracking**

sqlplus / as sysdba

SELECT status, filename FROM V$BLOCK\_CHANGE\_TRACKING;

ALTER DATABASE ENABLE BLOCK CHANGE TRACKING;

SELECT status, filename FROM V$BLOCK\_CHANGE\_TRACKING;

**All done!**