**PeopleSoft DPP PeopleTools 8.53.14 Upgrade Tasks**

**Pre-Steps Prior To Releasing DB To App Admin**

Step 28 of EAE implementation plan

* Copy this document and in the document name and replace the name of the database being upgraded.
  + replace DPUAT91 with the database that you are upgrading in the entire document.
  + Save the document with a new name that includes the name of the database.

export DBUPG=DPUAT91

export SERVER\_NAME=`hostname –s`

* Set oracle environment to database being upgraded

**.** ~/.profile 🡸 respond withDPUAT91

* Turn off Cron (1 minute)

comment out the cron scripts being run for this database

ls –l $HOME/crontab.lst

view $HOME/crontab.lst

crontab –r

~~Disable apsdbm1p cron checker on apsdbm2p crontab~~

~~# Confirm cron table loaded on apsdbm1p~~

~~#0 0-23 \* \* \* ${HOME}/tls/check\_cron.ksh~~

* Make a copy of the scripts that will be modified with exit 0 for use during the upgrade

Backup the current ***dbbbackup*** and ***backup\_archlogs.*ksh** as the copy of this script that will be used during the upgrade and exit 0 will be added to the original named script in production as to avoid Zeke running a backup unexpectedly. This will allow the procedures to reference the same backup script name regardless of environment.

cd ${HOME}/aetna/scripts

cp –p backup\_archlogs.ksh backup\_archlogs\_4upg.ksh

cd ${BKPSCR}

cp –p dbbackup\_rman dbbackup\_rman\_4upg

* Disable Zeke scripts (1 minute)

Add exit 0 to the top of the following scripts

cd ${HOME}/aetna/scripts/

vi backup\_archlogs.ksh

cd ${BKPSCR}

vi dbbackup\_rman

* Copy the upgrade scripts

**--Login back to dppdev**

**scp -rp upgpt853 dppqa:/u01/app/oracle/aetna/db\_mgmt/upgrade/upgpt853**

**--Logain back to dppqa**

cp -rp /u01/app/oracle/aetna/db\_mgmt/upgrade/upgpt853 /u01/app/oracle/aetna/admin/DPUAT91/upgpt853

Make changes:

Change email address in run\_stats.ksh

* Start Grid Control blackout period via OEM
* Take a full Database Backup (25 minutes)

Backup taken here due to Saturday morning scheduled migration

cd $BKPSCR

nohup dbbackup\_rman\_4upg DPUAT91 &

**DO NOT PROCEED UNTIL DATABASE BACKUP COMPLETE**

* Save backup of DPUAT91 (5 minutes)

cd $BKPSCR

savebkp.ksh DPUAT91 b4pt853upgrade

DPDEV91 backup saved as DPDEV91\_sbk\_20150423\_08:04:30\_b4pt853upgrade.rman

~~cd $HOME~~

**~~.~~** ~~~/.profile 🡸 respond with~~~~GCAGENT~~

~~emctl start blackout pt853upgblkp -nodeLevel -d 4 12:00~~

* Check alert log (1 minute)

ksh **=>** $TOOLS/db\_mgmt/monitor/scan\_oracle.ksh ${ORACLE\_SID}

* Lock Tivoli User (1 minute)

cd $HOME

**.** ~/.profile 🡸 respond withDPUAT91

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853

sqlplus / as sysdba

set echo on trimspool on

spool lock\_orativoli.out

ALTER USER ORATIVOLI ACCOUNT LOCK;

exit

* Build statements for turning on/off autoextend

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853

sqlplus / as sysdba

sql => @ext\_alter\_datafiles\_autoextend.sql (1 minute)

!view alter\_datafiles\_autoextend.sql 🡸 review script to be run

* Turn on autoextend

sql => @alter\_datafiles\_autoextend.sql (1 minute)

sql => exit

view alter\_datafiles\_autoextend.out 🡸 review script output

* Turn on autoextend for tablespaces SYSTEM, SYSAUX, PSTEMP or TEMP and PSUNDOTS

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853

sqlplus / as sysdba

sql => @ext\_alter\_system\_datafiles\_autoextend.sql (1 minute)

!view alter\_system\_datafiles\_autoextend.sql 🡸 review script to be run

@alter\_system\_datafiles\_autoextend.sql

exit

view alter\_system\_datafiles\_autoextend.out

* Create tablespace in support of upgrade. This tablespace already exist in DPUAT91

~~CREATE TABLESPACE PSDEFAULT~~

~~DATAFILE '/oradata/psu104/~~***~~PSPROD~~***~~/psdefault01.dbf' SIZE 1975M AUTOEXTEND OFF,~~

~~'/oradata/psu104/~~***~~PSPROD~~***~~/psdefault02.dbf' SIZE 25M AUTOEXTEND ON NEXT 10240K MAXSIZE UNLIMITED~~

~~EXTENT MANAGEMENT LOCAL UNIFORM SIZE 10M~~

~~LOGGING~~

~~ONLINE~~

~~SEGMENT SPACE MANAGEMENT AUTO~~

~~/~~

~~Note: Creating a tablespace will cause an RMAN controlfile autobackup to occur. We’ll want to save the piece. May not~~

~~appear in catalog for a while as control file backup not~~

~~created immediately.~~

~~Run below SQL in RCATDEV~~

~~select bs\_key,backup\_type,completion\_time,keep~~

~~from psprod.rc\_backup\_set~~

~~order by completion\_time;~~

~~Run below in RMAN while connected to the target and the catalog~~

~~CHANGE BACKUPSET 2754156 KEEP FOREVER;~~

~~SYSADM is only ID that has PSDEFAULT as default tablespace~~

~~select \* from dba\_data\_files where tablespace\_name = 'PSDEFAULT';~~

~~select username, default\_tablespace from dba\_users where username ='SYSADM';~~

~~ALTER USER SYSADM DEFAULT TABLESPACE PSDEFAULT;~~

~~select username, default\_tablespace from dba\_users where username ='SYSADM';~~

~~exit~~

* Gather Segment/Object Info including row counts

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853/stats

vi run\_stats.ksh 🡸 modify MAILIDS to send email to you

run\_stats.ksh ${ORACLE\_SID} **b4upgpt853\_b4purgerecycle** Y `pwd` &

15 minutes

**DO NOT PROCEED UNTIL DATABASE Statistics COMPLETE**

df -gP > df\_space\_**b4upgpt853\_b4purgerecycle**.out

Take a DBArtisan Report

* Purge the recyclebin for all objects

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853/cleanup

run => sqlplus / as sysdba

sql => @purge\_recyclebin.sql (1 min)

sql => exit

mv purge\_recyclebin.out purge\_recyclebin\_**b4upgpt853**\_`date +'%Y%m%d\_%T`.out

* Gather Segment/Object Info after the the recycle bin is purged – row counts are not included so it runs quickly

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853/stats

run\_stats.ksh ${ORACLE\_SID} **b4upgpt853\_postpurgerecycle** N `pwd` &

df -gP > df\_space\_**b4upgpt853\_postpurgerecycle**.out

Refresh the information and Take a DBArtisan Report

* Run dbv (20 minutes)

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853

dbverify.ksh ${ORACLE\_SID}

Note: The datafiles are sorted in reverse filename order so the users and system datafiles are completed early in the list as these are the files that encountered errors before the dbv patch is applied

view run\_dbverify.ksh

nohup run\_dbverify.ksh > dbv\_${ORACLE\_SID}.lst 2>&1 &

**to monitor**

tail –f dbv\_${ORACLE\_SID}.out

or

grep "Verification starting : " dbv\_${ORACLE\_SID}.out |wc -l

**to check for issues when complete**

cat dbv\_${ORACLE\_SID}.out |egrep "Failing|Corrupt" |grep -v ": 0$" |more **🡸 expect nothing to be returned**

Can use these commands to check on failures in vi or view

/Total Pages Failing (Data) : [1-9]

/Total Pages Failing (Index): [1-9]

* Gather statistics (5 minutes)

${HOME}/aetna/db\_mgmt/analyze/analyze\_all.ksh ${ORACLE\_SID}

* Extract Special Permissions (1 minute)
* ksh => $SECSCR/ext\_spcl\_permissions.ksh ${ORACLE\_SID}
* ksh => cp -p $SECLOG/reapply\_spcl\_permissions.sql ${TOOLS}/admin/${ORACLE\_SID}/upgpt853/cleanup
* Check/Compile Invalid Objects (5 minutes)

run => cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853

run => ${TOOLS}/db\_mgmt/utility/run\_utlrp.ksh ${ORACLE\_SID} ${TOOLS}/admin/${ORACLE\_SID}/upgpt853

ksh => view `ls -lrt utlrp\_\*.out|awk '{print $9}'|tail -1` (view most recent - file name has timestamp included)

* Change open\_cursors to 1000 in the init.ora (5 minutes)

## Double check what is there currently and determine if need to change

sqlplus / as sysdba

show parameter cursor

256

cd $DBS

cp –p init${ORACLE\_SID}.ora init${ORACLE\_SID}.ora\_b4upgpt853\_`date +'%Y%m%d\_%T`

vi init${ORACLE\_SID}.ora

Sample init.ora comments:

# 02/28/2015 TS Changes for PeopleTools 8.53 upgrade

# Changed open\_cursors from 500 to 1000

**DO NOT PROCEED UNTIL Analyze is COMPLETE**

Recycle database for init.ora change

sqlplus / as sysdba

shutdown immediate;

startup

show parameter open\_cursors

exit

* Take database backup (25 minutes)

cd $BKPSCR

nohup dbbackup\_rman\_4upg DPUAT91 &

**DO NOT PROCEED UNTIL BACKUP COMPLETE**

* Save backup of DPUAT91 (5 minutes)

cd $BKPSCR

savebkp.ksh DPUAT91 after\_dba\_prep\_4upgpt853

DPUAT91 backup saved as DPUAT91\_sbk\_20150504\_08:52:06\_after\_dba\_prep\_4upgpt853.rman

* Copy disk backups to tape (15 minutes)-- ?

Being done to prevent archivelog backup script from running for an extended period

of time the first time it is run below. Also, good to put disk backups on tape.

cd $HOME/Aetna/scripts

nohup backup\_archive\_logs.ksh DPUAT91 /u10/oraback/DPUAT91/rman\_backups &

* Note the date and time before releasing the database to App Admin. This time will be used to determine the number of hours/days for running the permissions script during the cleanup.

run => date

Mon May 4 09:05:19 EDT 2015

* Release Database to App Admin.

Send email to App Admin indicating DPUAT91 is ready

**End task 28 of app admin implementation plan**

**Task 48 of EAE implementation plan**

* Run gather stats (5 minutes)

cd $ANLSCR

nohup analyze\_all.ksh ${ORACLE\_SID} &

DO NOT PROCEED UNTIL ANALYZE COMPLETE

* Create tablespace (2 minutes)

~~CREATE TABLESPACE PSIMAGE2~~

~~DATAFILE '/oradata/psu100/PSPROD/psimage2\_1.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,~~

~~'/oradata/psu101/PSPROD/psimage2\_2.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,~~

~~'/oradata/psu102/PSPROD/psimage2\_3.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,~~

~~'/oradata/psu103/PSPROD/psimage2\_4.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,~~

~~'/oradata/psu104/PSPROD/psimage2\_5.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED~~

~~EXTENT MANAGEMENT LOCAL AUTOALLOCATE~~

~~LOGGING~~

~~ONLINE~~

~~SEGMENT SPACE MANAGEMENT AUTO~~

CREATE TABLESPACE PSIMAGE2

DATAFILE ' /u04/oradata/DPUAT91/psimage2\_1.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,

' /u04/oradata/DPUAT91/psimage2\_2.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,

' /u04/oradata/DPUAT91/psimage2\_3.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,

' /u04/oradata/DPUAT91/psimage2\_4.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED,

' /u04/oradata/DPUAT91/psimage2\_5.dbf' SIZE 600M AUTOEXTEND ON NEXT 10M MAXSIZE UNLIMITED

EXTENT MANAGEMENT LOCAL AUTOALLOCATE

LOGGING

ONLINE

SEGMENT SPACE MANAGEMENT AUTO

/

Note: Consumed 940 mb after EAE executed script to move objects to this TS

in PSUGTST

* Take an archive log backup (5 minutes)

cd $HOME/aetna/scripts

nohup backup\_archlogs\_4upg.ksh DPUAT91 rcatdev /u10/oraback/DPUAT91/rman\_backups

**DO NOT PROCEED UNTIL BACKUP COMPLETE**

* Make note of backup time and save backup pieces (2 minutes)

Backup time below is the Control File Autobackup start time.

See email from archivelog backup script for control file autobackup start time and bs\_key

information

Backup restore point - 2015-02-28 08:04:24

Saved backup known as b4projcopyystables

To extract commands from archivelog backup script log run the following

cd /u01/app/oracle/aetna/db\_admin/db\_DPUAT91/archive

grep " TAG" `ls -rt backup\*out|tail -1` |awk '{print "CHANGE BACKUPSET " $1 " KEEP FOREVER;"}'

Run below commands in rman while connected to the target and the catalog

rman

connect target

connect catalog DPUAT91/xxx@RCATDEV

CHANGE BACKUPSET 945365 KEEP FOREVER;

CHANGE BACKUPSET 945366 KEEP FOREVER;

CHANGE BACKUPSET 945376 KEEP FOREVER;

Run below SQL in RCATDEV

DPUAT91/xxx@RCATDEV

select bs\_key,backup\_type,completion\_time,keep

from dpuat91.rc\_backup\_set

order by completion\_time;

945365 L 04-MAY-15 YES

945366 L 04-MAY-15 YES

945376 D 04-MAY-15 YES

**End task 48 of app admin implementation plan**

* Take an archive log backup when requested by EAE and save backup pieces (5 minutes)

**Task 61 of EAE implementation plan**

cd $HOME/aetna/scripts

nohup backup\_archlogs\_4upg.ksh DPUAT91 rcatdev /u10/oraback/DPUAT91/rman\_backups

**DO NOT PROCEED UNTIL BACKUP COMPLETE**

* Make note of backup time (5 minutes)

Backup time below is the Control File Autobackup start time.

See email from archivelog backup script for control file autobackup start time and bs\_key

information

Starting Control File Autobackup at 2015-05-04 13:38:30

Saved backup known as afterprjcopy

To extract commands from archivelog backup script log run the following

cd /u01/app/oracle/aetna/db\_admin/db\_DPUAT91/archive

grep " TAG" `ls -rt backup\*out|tail -1` |awk '{print "CHANGE BACKUPSET " $1 " KEEP FOREVER;"}'

Run below commands in rman while connected to the target and the catalog

rman

connect target

connect catalog DPUAT91/xxx@RCATDEV

CHANGE BACKUPSET 945571 KEEP FOREVER;

CHANGE BACKUPSET 945572 KEEP FOREVER;

CHANGE BACKUPSET 945573 KEEP FOREVER;

CHANGE BACKUPSET 945574 KEEP FOREVER;

CHANGE BACKUPSET 945595 KEEP FOREVER;

Run below SQL in RCATDEV

DPUAT91/xxx@RCATDEV

select bs\_key,backup\_type,completion\_time,keep

from dpuat91.rc\_backup\_set

order by completion\_time;

945571 L 04-MAY-15 YES

945572 L 04-MAY-15 YES

BS\_KEY B COMPLETIO KEE

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945573 L 04-MAY-15 YES

945574 L 04-MAY-15 YES

945595 D 04-MAY-15 YES

**End task 61 of app admin implementation plan**

* Review DDL sent by EAE (10 minutes)
* Take an archive log backup when requested by EAE and save backup pieces (5 minutes)

**Task 75 of EAE implementation plan**

cd $HOME/aetna/scripts

nohup backup\_archlogs\_4upg.ksh DPUAT91 rcatdev /u10/oraback/DPUAT91 /rman\_backups

**DO NOT PROCEED UNTIL BACKUP COMPLETE**

* Make note of backup time (5 minutes)

Backup time below is the Control File Autobackup start time.

See email from archivelog backup script for control file autobackup start time and bs\_key

information

~~Backup restore point - 2015-02-28 12:48:33~~

Starting Control File Autobackup at 2015-05-04 14:56:35

Saved backup known as b4DataTypeConv

To extract commands from archivelog backup script log run the following

cd /u01/app/oracle/aetna/db\_admin/db\_DPUAT91/archive

grep " TAG" `ls -rt backup\*out|tail -1` |awk '{print "CHANGE BACKUPSET " $1 " KEEP FOREVER;"}'

Run below commands in rman while connected to the target and the catalog

rman

connect target

connect catalog DPUAT91/xxx@RCATDEV

CHANGE BACKUPSET 945647 KEEP FOREVER;

CHANGE BACKUPSET 945648 KEEP FOREVER;

CHANGE BACKUPSET 945649 KEEP FOREVER;

CHANGE BACKUPSET 945650 KEEP FOREVER;

CHANGE BACKUPSET 945668 KEEP FOREVER;

Run below SQL in RCATDEV

DPUAT91/xxx@RCATDEV

select bs\_key,backup\_type,completion\_time,keep

from DPUAT91.rc\_backup\_set

order by completion\_time;

945647 L 04-MAY-15 YES

945648 L 04-MAY-15 YES

945649 L 04-MAY-15 YES

945650 L 04-MAY-15 YES

945668 D 04-MAY-15 YES

BS\_KEY B COMPLETIO KEE

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545177 D 28-APR-15 YES

**End task 71 of app admin implementation plan**

* Take an archive log backup when requested by EAE and save backup pieces (5 minutes)

**Task 80 of EAE implementation plan**

cd $HOME/aetna/scripts

nohup backup\_archlogs\_4upg.ksh DPUAT91 rcatdev /u10/oraback/DPUAT91/rman\_backups

**DO NOT PROCEED UNTIL BACKUP COMPLETE**

* Make note of backup time (5 minutes)

Backup time below is the Control File Autobackup start time.

See email from archivelog backup script for control file autobackup start time and bs\_key

information

~~Backup restore point - 2015-02-28 12:48:33~~

Starting Control File Autobackup at 2015-04-28 10:39:51

Saved backup known as AfterDataTypeConv

To extract commands from archivelog backup script log run the following

cd /u01/app/oracle/aetna/db\_admin/db\_DPUAT91/archive

grep " TAG" `ls -rt backup\*out|tail -1` |awk '{print "CHANGE BACKUPSET " $1 " KEEP FOREVER;"}'

Run below commands in rman while connected to the target and the catalog

rman

connect target

connect catalog DPUAT91/xxx@RCATDEV

CHANGE BACKUPSET 545222 KEEP FOREVER;

CHANGE BACKUPSET 545223 KEEP FOREVER;

CHANGE BACKUPSET 545224 KEEP FOREVER;

CHANGE BACKUPSET 545238 KEEP FOREVER;

Run below SQL in RCATDEV

DPUAT91/xxx@RCATDEV

select bs\_key,backup\_type,completion\_time,keep

from DPUAT91.rc\_backup\_set

order by completion\_time;

545222 L 28-APR-15 YES

545223 L 28-APR-15 YES

545224 L 28-APR-15 YES

545238 D 28-APR-15 YES

**End task 80 of app admin implementation plan**

**Database Cleanup**

**Step 99 of EAE implementation plan**

* Set oracle environment for DPUAT91

cd $HOME

**.** ~/.profile 🡸 respond withDPUAT91

* Update statistics (5 minutes)

cd $ANLSCR

ksh => nohup analyze\_all.ksh DPUAT91 &

* Purge the recycle bin (5 minutes)

cd ${TOOLS}/admin/${ORACLE\_SID}/upgpt853/cleanup

run => sqlplus / as sysdba

sql => @purge\_recyclebin.sql

sql => exit

mv purge\_recyclebin.out purge\_recyclebin\_**postupgpt853**\_`date +'%Y%m%d\_%T`.out

* Get space information (15 minutes)

cd $TOOLS/admin/${ORACLE\_SID}/upgpt853/stats

run\_stats.ksh ${ORACLE\_SID} **postupgpt853\_postpurgerecycle** Y `pwd` &

df -gP > df\_space\_**postupgpt853\_postpurgerecycle**.out

Take a DBArtisan Report

**DO NOT PROCEED UNTIL DATABASE Statistics COMPLETE**

* Turn off autoextend

Confirm tablespaces have enough space before altering

cd $TOOLS/admin/${ORACLE\_SID}/upgpt853

run => sqlplus / as sysdba

sql => @alter\_datafiles\_autoextend\_off.sql (1 minute)

sql => !view alter\_datafiles\_autoextend\_off.out 🡸 review script to be run

Confirm tablespaces have enough space before altering

sql => @alter\_system\_datafiles\_autoextend\_off.sql

sql => !view alter\_system\_datafiles\_autoextend\_off.out

sql => exit

* ~~Drop PSDEFAULT tablespace and put USERS as SYSADM default tablespace after the upgrade~~

~~sqlplus / as sysdba~~

~~set echo on trimspool on pagesize 300~~

~~column segment\_name format a30~~

~~spool alter\_sysadm\_drop\_psdefault.out~~

~~select \* from dba\_data\_files where tablespace\_name = 'PSDEFAULT';~~

~~select segment\_name, segment\_type from dba\_segments where tablespace\_name = 'PSDEFAULT' order by 1;~~

~~Expected result:~~

~~SEGMENT\_NAME SEGMENT\_TYPE~~

~~------------------------------ ------------------~~

~~DERIVEDPSSQLTABLEANDINDEX TABLE~~

~~DERIVEDTABLESWITHFUNCINDEXES TABLE~~

~~DROP\_FUNCIDX\_CANDIDATES TABLE~~

~~SYS\_IL0003138722C00003$$ LOBINDEX~~

~~SYS\_LOB0003138722C00003$$ LOBSEGMENT~~

~~Per EAE Admin:~~

~~Tables can be dropped:~~

**~~au~~**~~. If the tables being dropped, DERIVEDPSSQLTABLEANDINDEX,~~

~~DROP\_FUNCIDX\_CANDIDATES, and DERIVEDTABLESWITHFUNCINDEXES, don’t exist, the~~

~~execution of this script will generate the following error, which you can safely ignore:~~

~~ORA-00942: table or view does not exist~~

~~select username, default\_tablespace from dba\_users where username ='SYSADM';~~

~~ALTER USER SYSADM DEFAULT TABLESPACE USERS;~~

~~select username, default\_tablespace from dba\_users where username ='SYSADM';~~

~~DROP TABLESPACE PSDEFAULT INCLUDING CONTENTS AND DATAFILES;~~

~~exit~~

~~Note: Dropping a tablespace will cause an RMAN controlfile autobackup to occur. We’ll want to save the piece. May not~~

~~appear in catalog for a while as control file backup not~~

~~created immediately.~~

~~Run below SQL in RCATDEV~~

~~select bs\_key,backup\_type,completion\_time,keep~~

~~from psprod.rc\_backup\_set~~

~~order by completion\_time;~~

~~Run below in RMAN while connected to the target and the catalog~~

~~CHANGE BACKUPSET 2756047 KEEP FOREVER;~~

* Run permissions script to analyze tables, grant permissions, create public synonyms and remove unused public synonyms and reapply special permissions, recompile invalid objects (10 minutes)

cd ${ORACLE\_BASE}/aetna/admin/${ORACLE\_SID}/upgpt853/cleanup

**Determine how many hours/days since the start of the upgrade and round**

**up to the next higher hour/days if there is any fraction.** This number will be used

in response to the psoft\_permissions.ksh script.

See page 8 above for upgrade start time

$SECSCR/psoft\_permissions.ksh

Respond 🡺 DPUAT91

Respond🡺 number\_of\_hours\_or\_days\_determined\_above

Respond 🡺 9 (this is unique for each db upgrade)

view $SECLOG/\*out 🡸 to review the output files from the permissions script

* Run gather stats on PSDBOWNER table (1 minute)

cd $TOOLS/admin/${ORACLE\_SID}/upgpt853/cleanup

sqlplus / as sysdba

sql => @analyze\_table.sql PS PSDBOWNER

Verify no UNUSABLE indexes exist (1 minute)

sql => set feedback on

sql => select index\_name from dba\_indexes where owner = 'SYSADM' and status <> 'VALID';

sql => exit

Expected result: no rows selected

* Unlock Tivoli User (1 minute)

sqlplus / as sysdba

ALTER USER ORATIVOLI ACCOUNT UNLOCK;

exit

* Change open\_cursors from 1000 back to 500 in the init.ora (5 minutes)

cd $DBS

cp –p init${ORACLE\_SID}.ora init${ORACLE\_SID}.ora\_aftupgpt853\_`date +'%Y%m%d\_%T`

vi init${ORACLE\_SID}.ora

Sample init.ora comments:

# 02/28/2015 TS Changes for PeopleTools 8.53 upgrade

# Changed open\_cursors from 1000 back to 500

Note: If the decision is made to keep prod in archivelog mode during

upgrade then database will need to be bounced for open\_cursor setting

**Confirm psoft\_permissions.ksh completed before proceeding**

Recycle database for init.ora change

sqlplus / as sysdba

sql => shutdown immediate;

sql => startup;

sql => show parameter open\_cursors;

* Check alert log (1 minute)

ksh **=>** $TOOLS/db\_mgmt/monitor/scan\_oracle.ksh ${ORACLE\_SID}

* Take a Database Backup. (30 minutes)

cd $BKPSCR

dbbackup\_rman\_4upg ${ORACLE\_SID} &

* Save backup of DPUAT91 (5 minutes)

**Confirm database backup completed before proceeding**

cd $BKPSCR

savebkp.ksh ${ORACLE\_SID} pt853upgrade\_postcleanup

DPUAT91 backup saved as DPUAT91\_sbk\_20150506\_08:56:16\_pt853upgrade\_postcleanup.rman

Run below SQL in RCATDEV to confirm all pieces affiliated with this

upgrade have been saved

DPUAT91/xxx@RCATDEV

select bs\_key,backup\_type,completion\_time,keep

from DPUAT91.rc\_backup\_set

order by completion\_time;

* Enable Zeke executed scripts (1 minute)

Remove exit 0 from the top of the following scripts by copying back the original versions

backup\_archlogs

dbbackup

cd ${HOME}/aetna/scripts

cp –p backup\_archlogs\_4upg.ksh backup\_archlogs.ksh

cd ${BKPSCR}

cp –p dbbackup\_rman\_4upg dbbackup\_rman

* Stop Grid Control blackout period . Use OEM

~~cd $HOME~~

~~. ~/.profile~~

~~GCAGENT~~

~~emctl stop blackout pt853upgblkp~~

* Turn on Cron (1 minute)

cd ${HOME}

crontab crontab.lst

crontab –e 🡸 verify crontab

~~Enable apsdbm1p cron checker on apsdbm2p crontab~~

~~# Confirm cron table loaded on apsdbm1p~~

~~0 0-23 \* \* \* ${HOME}/tls/check\_cron.ksh~~

* ~~Copy PSPROD backup to APSDBM2P for manual rebuild of PSIA (15 minutes)~~

~~cd $CPYSCR~~

~~nohup rcpPSPROD\_to\_PSIA.ksh &~~

* Send email to team indicating cleanup complete

**End task 99 of app admin implementation plan**