**PeopleSoft DPP 92 Upgrade Tasks**

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

Step xx of EAE implementation plan

--copy scripts from dppdev over to dppqa inititally

Login to dppdev

scp -rp /u01/app/oracle/aetna/admin/DPDEV92/upg92 dppqa:/u01/app/oracle/aetna/admin/DPUAT92/upg92

Login dppqa

cd /u01/app/oracle/aetna/admin/DPUAT92/upg92

rm -f \*.out

rm -f \*.log

cd stats

rm -f \*.out

* Set oracle environment to database being upgraded

**.** ~/.profile 🡸 respond withDPUAT92

* Copy this document and in the document name and replace the name of the database being upgraded.
  + replace DPUAT92 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= DPUAT92

export SERVER\_NAME=`hostname –s`

* Turn off Cron (1 minute)

comment out the cron scripts being run for this database or disable all.

ls –l $HOME/crontab.lst

view $HOME/crontab.lst

crontab –r

* OEM Blackout (5 minute)

None Prod

<https://oemdev.aetna.com/em>

Prod

<https://oemprod.aetna.com/em>

* DESC indexes check

SELECT COUNT(\*)

FROM DBA\_INDEXES

WHERE INDEX\_TYPE='FUNCTION-BASED NORMAL'

AND TABLE\_OWNER='SYSADM';

select count(distinct index\_name)

from dba\_ind\_columns

where table\_owner = 'SYSADM'

and table\_name not like 'BIN$%'

and DESCEND = 'DESC';

* Take a full Database Backup and Save it (30 minutes)

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} b4PSupgrade

DPUAT92 backup saved as DPUAT92\_sbk\_20160705\_09:46:28\_b4PSupgrade.rman

* Turn OFF ARCHIVELOG MODE if applicable

$BKPSCR/stop\_archive.ksh

**DO NOT PROCEED UNTIL DATABASE BACKUP COMPLETE**

* Check alert log (1 minute)

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

* Lock Beneng User (1 minute)

cd $HOME

**.** ~/.profile 🡸 respond withDPUAT92

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

sqlplus / as sysdba

set echo on trimspool on

spool lock\_beneng.out

ALTER USER BENENG ACCOUNT LOCK;

Exit

* Build statements for turning on/off autoextend

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

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}/upg92

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

* Gather Segment/Object and db size reports.

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92/stats

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

nohup run\_stats.ksh ${ORACLE\_SID} b492upgrade `pwd` &

15 minutes

run => sqlplus / as sysdba

sql => @dbsize.sql b4PSupgrade

exit

df -gP > df\_space\_b4upgrade.out

**DO NOT PROCEED UNTIL DATABASE Statistics COMPLETE**

* Run dbv (20 minutes)

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

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]

* Take backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} b4ProjectCopy

DPUAT92 backup saved as DPUAT92\_sbk\_20160705\_12:28:52\_b4ProjectCopy.rman

**PS Upgrade Steps that App Admin will be asking DBA to complete.**

* Create Following Tablespaces

sqlplus / as sysdba

CREATE TABLESPACE PSMATVW DATAFILE '/u06/oradata/DPUAT92/psmatvw.dbf' SIZE 250M

EXTENT MANAGEMENT LOCAL AUTOALLOCATE

SEGMENT SPACE MANAGEMENT AUTO

;

CREATE TEMPORARY TABLESPACE PSGTT01 TEMPFILE '/u06/oradata/DPUAT92/psgtt01.dbf' SIZE 500M

EXTENT MANAGEMENT LOCAL UNIFORM SIZE 128K

;

exit

* Run Grant Scripts

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

sqlplus / as sysdba

@upggrant.sql

Exit

* Run Grant Scripts

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

sqlplus / as sysdba

@upggrant\_855.sql

Exit

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} afterProjectCopy

DPUAT92 backup saved as DPUAT92\_sbk\_20160614\_12:54:06\_afterProjectCopy.rman

DPUAT92 backup saved as DPUAT92\_sbk\_20160705\_13:15:23\_afterProjectCopy.rman

* Verify script TablespaceAlterTables.sql that will be run by EAE

No issues running this in none production.

* ~~Set parameter to true (temporary~~**~~)~~**

~~cd ${TOOLS}/admin/${ORACLE\_SID}/upg92~~

~~sqlplus / as sysdba~~

~~@postupgsetdescindextrue.sql~~

~~show parameter \_ignore\_desc\_in\_index~~

~~exit~~

* ~~Set parameter to false~~

~~cd ${TOOLS}/admin/${ORACLE\_SID}/upg92~~

~~sqlplus / as sysdba~~

~~@ postupgsetdescindexfalse.sql~~

~~show parameter \_ignore\_desc\_in\_index~~

~~exit~~

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} B4copyProject

DPUAT92 backup saved as DPUAT92\_sbk\_20160615\_12:14:12\_AfterPreparingDB.rman

DPUAT92 backup saved as DPUAT92\_sbk\_20160707\_10:18:25\_B4copyProject.rman

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} AftercopyProject

DPUAT92 backup saved as DPUAT92\_sbk\_20160708\_07:43:22\_AftercopyProject.rman

* ~~Take backup and Save~~

~~Take fresh backup~~

~~$BKPSCR/dbbackup\_rman ${ORACLE\_SID}~~

~~Save backup~~

~~nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} AfterUpgradeCopy~~

~~DPUAT92 backup saved as DPUAT92\_sbk\_20160616\_15:18:25\_AfterUpgradeCopy.rman~~

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} BeforeDataConversion

DPUAT92 backup saved as DPUAT92\_sbk\_20160617\_14:21:04\_BeforeDataConversion.rman

DPUAT92\_sbk\_20160708\_12:23:34\_BeforeDataConversion.rman

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} FinalApplicationBackUp

DPUAT92 backup saved as DPUAT92\_sbk\_20160620\_13:40:52\_BeforeTesting.rman

DPUAT92 backup saved as DPUAT92\_sbk\_20160708\_16:53:17\_FinalApplicationBackUp.rman

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} b4CustomProject

DPUAT92 backup saved as DPUAT92\_sbk\_20160711\_11:48:24\_b4CustomProject.rman

**Database Cleanup**

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

run => sqlplus / as sysdba

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

exit

chmod 600 purge\_recyclebin.out

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

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

* DESC indexes check

SELECT COUNT(\*)

FROM DBA\_INDEXES

WHERE INDEX\_TYPE='FUNCTION-BASED NORMAL'

AND TABLE\_OWNER='SYSADM';

cd ${TOOLS}/admin/${ORACLE\_SID}/upg92

~~sqlplus / as sysdba~~

~~@postupgsetdescindextrue.sql~~

~~show parameter \_ignore\_desc\_in\_index~~

exit

sqlplus / as sysdba

@?/rdbms/admin/utlrp.sql

select count(\*)

from dba\_objects

where status = 'INVALID';

cd ${HOME}

crontab crontab.lst

crontab –e

• Turn ON ARCHIVELOG MODE if applicable

$BKPSCR/start\_archive.ksh

* End OEM Blackout (5 minute)

None Prod

<https://oemdev.aetna.com/em>

Prod

<https://oemprod.aetna.com/em>

* Take backup and Save

Take fresh backup

$BKPSCR/dbbackup\_rman ${ORACLE\_SID}

Save backup

nohup $BKPSCR/savebkp.ksh ${ORACLE\_SID} AfterDBCleanup

DPUAT92 backup saved as DPUAT92\_sbk\_20160622\_13:32:43\_AfterDBCleanup.rman

DPUAT92 backup saved as DPUAT92\_sbk\_20160712\_08:52:35\_AfterDBCleanup.rman

cd /u01/app/oracle/aetna/admin/DPUAT92/upg92/cleanup

sql => @ext\_create\_pubsyn.sql (1 min.)

sql => @create\_pubsyn.sql (1 min.)

@ext\_drop\_unused\_pubsyn.sql

@drop\_unused\_pubsyn.sql

sql => @ext\_grant\_psselect.sql

sql => @grant\_psselect.sql (4 minutes)

grep ORA- grant\_psselect.out

grep "grant select" grant\_psselect.sql |wc -l

grep "Grant succeeded" grant\_psselect.out | wc -l

sql => @ext\_grant\_psopsbatchmgr.sql

sql => @grant\_psopsbatchmgr.sql (5 minutes)

grep ORA- grant\_psopsbatchmgr.out

grep "grant select" grant\_psopsbatchmgr.sql |wc -l

grep "Grant succeeded" grant\_psopsbatchmgr.out | wc -l