**ORACLE 19c PDB MIGRATION & UPGRADE METHOD**

* **UNPLUG, PLUG, UPGRADE**

**TS-45088 SCPAY Project**

PRODUCTION SERVERS : HKLPDPNPP001 & HKLPDPNPP002

DR SERVERS : HKLPDSNPP001 & HKLPDSNPP002

Existing 12c CDB instances : POHK1NPP1 & POHKNPP002

New 19c CDB instances : POHK1SCP1 & POHK1SCP2

Existing PDBs under 12c POHK1NPP :

|  |  |  |  |
| --- | --- | --- | --- |
| **PDBP Name** | **Application Name** | **Global / Country** | **Downtime Impact** |
| PDBP\_NPP\_GBL | SCPAY Pre-Processor | Y | ALL |
| PDBP\_SNAS | SNAS | Y | ALL |
| PDBP\_NPP\_HK | SCPAY HK | N | Only HK |
| PDBP\_NPP\_SG | SCPAY SG | N | Only SG |
| PDBP\_NPP\_BD | Not application Related | N | No Impact |
| PDBP\_APAC | Not application Related | N | No Impact |

Technical Method using AutoUpgrade tool

**REFERENCES** :

AutoUpgrade Tool (Doc ID 2485457.1)

Making Use Deferred PDB Recovery and the STANDBYS=NONE Feature with Oracle Multitenant (Doc ID 1916648.1)

<https://docs.oracle.com/en/database/oracle/oracle-database/19/upgrd/using-autoupgrade-oracle-database-upgrades.html>

<https://www.youtube.com/watch?v=69Hx1WoJ_HE&t=5289s>

- Download the AutoUpgrade tool from Oracle Doc ID 2485457.1

- Copy to one of the PROD servers and extract it to destination directory, for e.g: /u01/app/oracle/product/db/19.14.0.0.Jan2022/rdbms/admin/

**COMMANDS** :

* To analyze

$ java -jar /u01/app/oracle/product/db/19.14.0.0.Jan2022/rdbms/admin/autoupgrade.jar -mode **analyze** -config <config\_file>.cfg

* To upgrade

$ java -jar /u01/app/oracle/product/db/19.14.0.0.Jan2022/rdbms/admin/autoupgrade.jar -mode **deploy** -config <config\_file>.cfg

**SAMPLE AUTOUPGRADE CONFIGURATION FILE** (For PROD & DR)

> cat PDBP\_NPP\_BD.cfg

global.autoupg\_log\_dir=/ora\_dump/patch/19c\_autoupgrade/PDBP\_NPP\_BD

upg1.source\_home=/u01/app/oracle/product/db/12cR2

upg1.target\_home=/u01/app/oracle/product/db/19.14.0.0.Jan2022

upg1.sid=POHK1NPP1

upg1.pdbs=PDBP\_NPP\_BD

upg1.target\_cdb=POHK1SCP1

upg1.target\_pdb\_copy\_option=file\_name\_convert=('+DATA/POHK1NPP','+DATA/POHK1SCP')

upg1.log\_dir=/ora\_dump/patch/19c\_autoupgrade/PDBP\_NPP\_BD

upg1.defer\_standby\_log\_shipping=no

upg1.manage\_standbys\_clause=none

upg1.raise\_compatible=no

**SAMPLE OUTPUT FROM SCPAY NON-PROD** ::

Please refer to attached couple of files