***Migration from IHP TO AWS and Bi-Directional GG setup***

***In RDS instance:***

***1. We have to create the Tablespaces in RDS instance.***

***2. Create the schemas.***

***3. Provide the permissions (roles, privileges) to the users.***

***Tablespace Creation in RDS***

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

*create tablespace websdata datafile size 5g autoextend on maxsize unlimited;*

*ORA-00959: tablespace 'EISQTZDATA' does not exist*

***Profile creation in RDS:***

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

*begin*

*rdsadmin.rdsadmin\_password\_verify.create\_verify\_function(*

*p\_verify\_function\_name => 'RDS\_PASSWORD\_FUNCTION',*

*p\_min\_length => 8,*

*p\_min\_letters => 2,*

*p\_min\_uppercase => 1,*

*p\_min\_digits => 1,*

*p\_min\_special => 1,*

*p\_disallow\_at\_sign => true);*

*end;*

*/*

*--------------*

*CREATE PROFILE "APPLICATION\_HIGH\_RISK\_PROFILE" LIMIT*

*CPU\_PER\_SESSION UNLIMITED*

*CPU\_PER\_CALL UNLIMITED*

*CONNECT\_TIME UNLIMITED*

*IDLE\_TIME UNLIMITED*

*SESSIONS\_PER\_USER UNLIMITED*

*LOGICAL\_READS\_PER\_SESSION UNLIMITED*

*LOGICAL\_READS\_PER\_CALL UNLIMITED*

*PRIVATE\_SGA UNLIMITED*

*COMPOSITE\_LIMIT UNLIMITED*

*PASSWORD\_LIFE\_TIME UNLIMITED*

*PASSWORD\_GRACE\_TIME UNLIMITED*

*PASSWORD\_REUSE\_MAX 10*

*PASSWORD\_REUSE\_TIME 365*

*PASSWORD\_VERIFY\_FUNCTION RDS\_PASSWORD\_FUNCTION*

*FAILED\_LOGIN\_ATTEMPTS UNLIMITED*

*PASSWORD\_LOCK\_TIME UNLIMITED;*

*-------------*

*CREATE PROFILE "EBS\_SYS\_PROFILE" LIMIT*

*CPU\_PER\_SESSION UNLIMITED*

*CPU\_PER\_CALL UNLIMITED*

*CONNECT\_TIME UNLIMITED*

*IDLE\_TIME UNLIMITED*

*SESSIONS\_PER\_USER UNLIMITED*

*LOGICAL\_READS\_PER\_SESSION UNLIMITED*

*LOGICAL\_READS\_PER\_CALL UNLIMITED*

*PRIVATE\_SGA UNLIMITED*

*COMPOSITE\_LIMIT UNLIMITED*

*PASSWORD\_LIFE\_TIME UNLIMITED*

*PASSWORD\_GRACE\_TIME UNLIMITED*

*PASSWORD\_REUSE\_MAX 10*

*PASSWORD\_REUSE\_TIME UNLIMITED*

*PASSWORD\_VERIFY\_FUNCTION RDS\_PASSWORD\_FUNCTION*

*FAILED\_LOGIN\_ATTEMPTS UNLIMITED*

*PASSWORD\_LOCK\_TIME .0415;*

*--------------*

*CREATE PROFILE "INDIVIDUAL\_PROFILE" LIMIT*

*CPU\_PER\_SESSION UNLIMITED*

*CPU\_PER\_CALL UNLIMITED*

*CONNECT\_TIME UNLIMITED*

*IDLE\_TIME 15*

*SESSIONS\_PER\_USER UNLIMITED*

*LOGICAL\_READS\_PER\_SESSION UNLIMITED*

*LOGICAL\_READS\_PER\_CALL UNLIMITED*

*PRIVATE\_SGA UNLIMITED*

*COMPOSITE\_LIMIT UNLIMITED*

*PASSWORD\_LIFE\_TIME 90*

*PASSWORD\_GRACE\_TIME 7*

*PASSWORD\_REUSE\_MAX 10*

*PASSWORD\_REUSE\_TIME 365*

*PASSWORD\_VERIFY\_FUNCTION RDS\_PASSWORD\_FUNCTION*

*FAILED\_LOGIN\_ATTEMPTS 3*

*PASSWORD\_LOCK\_TIME .0416;*

*------------*

*begin*

*rdsadmin.rdsadmin\_util.alter\_supplemental\_logging(p\_action => 'ADD');*

*end;*

*/*

***If we face below issues in import we have to drop the supplemental logging and after import we have to add the logging.***

***ORA-31693: Table data object "CASDS"."BANK\_ACCOUNT1" failed to load/unload and is being skipped due to error:***

***ORA-00604: error occurred at recursive SQL level 2***

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

*begin*

*rdsadmin.rdsadmin\_util.alter\_supplemental\_logging(p\_action => 'DROP');*

*end;*

*/*

*---------*

*exec rdsadmin.rdsadmin\_util.force\_logging(p\_enable => true);*

***-------***

***User Creation in RDS:***

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

*set verify off*

*set lines 130*

*col text for a130*

*set pages 0*

*set long 100000*

*set feedback off*

*set trimspool on*

*accept \_username prompt " -- Please Entery the username : "*

*exec dbms\_metadata.set\_transform\_param(dbms\_metadata.session\_transform,'SQLTERMINATOR',true)*

*spool &\_username*

*prompt -- User Creation Script : "*

*select dbms\_metadata.get\_ddl('USER',upper('&\_username')) text from dual*

*where 0 != ( select count(\*) from dba\_users where username = upper('&\_username') ) ;*

*prompt -- OBJECT GRANTS : "*

*select dbms\_metadata.get\_granted\_ddl('OBJECT\_GRANT',upper('&\_username')) text from dual*

*where 0 != ( select count(\*) from dba\_tab\_privs where grantee = upper('&\_username') )*

*or 0 != ( select count(\*) from dba\_col\_privs where grantee = upper('&\_username') ) ;*

*prompt -- SYSTEM GRANTS : "*

*select dbms\_metadata.get\_granted\_ddl('SYSTEM\_GRANT',upper('&\_username')) text from dual*

*where 0 != ( select count(\*) from dba\_SYS\_privs where grantee = upper( '&\_username') ) ;*

*prompt -- ROLE GRANTS : "*

*select dbms\_metadata.get\_granted\_ddl('ROLE\_GRANT',upper('&\_username')) text from dual*

*where 0 != ( select count(\*) from dba\_role\_privs where grantee = upper('&\_username') ) ;*

*prompt -- TABLESPACE QUOTA "*

*select dbms\_metadata.get\_granted\_ddl('TABLESPACE\_QUOTA',upper('&\_username')) text from dual*

*where 0 != ( select count(\*) from dba\_ts\_quotas where username = upper('&\_username') ) ;*

*spool off*

*set feedback on*

***In IHP***

***4 ) We have to take the backup using the expdp***

*userid='/as sysdba'*

*directory=EXPDP\_DIR*

*dumpfile=expdp\_schemas\_aws\_qal\_%U.dmp*

*logfile=expdp\_schemas\_aws\_qal.log*

*schemas=ACCOUNT,ASSET,BILLING,CASDS,CATALOG,COMMUSER,SIEBEL*

*parallel=5*

*compression=all*

***Copy these Dump files to OMS server and upload to the S3 bucket***

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

*scp expdp\_cas\_sys\_31jul\*.dmp oracle@psysemmask01:/shared/Srinivas/*

***5) we have to copy the dump files to S3 bucket.***

*aws --version*

*For this copy we have to use the below commands.*

*In this we have to change the AWS\_ACCESS\_KEY\_ID , export AWS\_SECRET\_ACCESS\_KEY, AWS\_SECURITY\_TOKEN*

***Because these keys keep on changing everyone hour or expiry period is 1 hour.***

*export PATH=~/.local/bin:$PATH*

*We need to generate keys first*

*export http\_proxy=http://qy1prdproxy01.ie.intuit.net:80/*

*export https\_proxy=http://qy1prdproxy01.ie.intuit.net:80/*

*export no\_proxy='.intuit.net, .intuit.com, 10.\*.\*.\*, localhost, 127.0.0.1'*

*export AWS\_ACCESS\_KEY\_ID=* *ASIAZZUKLL3DRHELZ54B*

*export AWS\_SECRET\_ACCESS\_KEY=* *yJ+oq1K9ZeNclxquQIrB0/ktiQfLX6mFmg3F/JPO*

*export AWS\_SECURITY\_TOKEN=* *FQoGZXIvYXdzEFsaDHOPhJ9Ue3T3T1RMOSKSApSsFPJrl42BSRiFTzB8bWSD8bzJF4tZ1OUQD3LiOBCQOH9iEaGp67CUD7nO7fTsiqhGN+oPIk0wvc2VMR2GZrkQFeLeAHILMHYHRzlO7TLxKWbiAHglZKM1XeFsi4PrpUE6J9Ubc2dvxvnwF+yhwV26t5ore5KVFtOHAwFB3pe/En7/KNGOyaezimjcjeRJa61fBfrR+zDHovQn91cJWtMu5teQR1CzR52FB5Z4ZPWSoB57DxWSnV+v1RJckGqLhhU7gz08vijCaFdGGZAd0EoqkXs34abLRvuIj8eTyB2CXK/YIzlHNq3qUDRIO7mLzmjZfX8CxwW+JXDz+aNd6/0BbEfWkfzd5t9rcvSUlhfUK4IooOHE6gU=*

*export PATH=~/.local/bin:$PATH*

*For the copying we can use this command*

*aws s3 cp Srinivas<Source folder> s3://ebpi-db-dumps/ --recursive*

*or*

*aws s3 sync . s3://ebpi-db-dumps/*

*aws s3 cp s3://brm101-ppd-db-export/FACTOPS-4280\_BRM104\_01\_02.dmp .*

***06) To find the dump files in the RDS instance.***

*select \* from table(RDSADMIN.RDS\_FILE\_UTIL.LISTDIR('DATA\_PUMP\_DIR'))order by mtime;*

***07) Once we find the dump files from the above command, we have to delete the files by using the below command.***

exec utl\_file.fremove('DATA\_PUMP\_DIR',' expdp\_cas\_sys\_31july\_01.dmp');

*exec utl\_file.fremove('DATA\_PUMP\_DIR','import\_files.log');*

*Once deletion done again recheck the dumps using the above 6th command*

***08) copy the dumps from s3 to RDS instance.***

*SELECT rdsadmin.rdsadmin\_s3\_tasks.download\_from\_s3(p\_bucket\_name => 'ebpi-db-dumps',p\_directory\_name =>'DATA\_PUMP\_DIR') AS TASK\_ID FROM DUAL;*

***By the above the command we can find the task id, replace the task id in below command and execute.***

*SELECT text FROM table(rdsadmin.rds\_file\_util.read\_text\_file('DATA\_PUMP\_DIR','dbtask-* *1566895679663-645.log'));*

***09) Once dumps are placed start the import by using the below command. (We need to change the params in this scrips).***

*DECLARE*

*hdnl NUMBER;*

*BEGIN*

*hdnl := DBMS\_DATAPUMP.OPEN( operation => 'IMPORT', job\_mode => 'SCHEMA', job\_name=>null);*

*DBMS\_DATAPUMP.ADD\_FILE( handle => hdnl, filename => expdp\_cas\_prf\_12Aug\_%U.dmp', directory => 'DATA\_PUMP\_DIR', filetype => dbms\_datapump.ku$\_file\_type\_dump\_file);*

*DBMS\_DATAPUMP.ADD\_FILE( handle => hdnl, filename => 'import\_files.log', directory => 'DATA\_PUMP\_DIR', filetype => dbms\_datapump.ku$\_file\_type\_log\_file);*

*DBMS\_DATAPUMP.SET\_PARAMETER(hdnl,'TABLE\_EXISTS\_ACTION','REPLACE') ;*

*DBMS\_DATAPUMP.SET\_PARALLEL(hdnl,5) ;*

*DBMS\_DATAPUMP.START\_JOB(hdnl);*

*END;*

*/*

*DECLARE*

*hdnl NUMBER;*

*BEGIN*

*hdnl := DBMS\_DATAPUMP.OPEN( operation => 'IMPORT', job\_mode => 'SCHEMA', job\_name=>null);*

*dbms\_output.put\_line(hdnl);*

*DBMS\_DATAPUMP.ADD\_FILE( handle => hdnl, filename => 'cassys\_preprod\_17sep19\_%U.dmp', directory => 'DATA\_PUMP\_DIR', filetype => dbms\_datapump.ku$\_file\_type\_dump\_file);*

*DBMS\_DATAPUMP.METADATA\_REMAP (handle => hdnl,name => 'REMAP\_TABLESPACE',old\_value => 'ACCOUNT\_TDE',value => 'ACCOUNT');*

*DBMS\_DATAPUMP.METADATA\_REMAP (handle => hdnl,name => 'REMAP\_TABLESPACE',old\_value => 'BILLING\_TDE',value => 'BILLING');*

*DBMS\_DATAPUMP.METADATA\_REMAP (handle => hdnl,name => 'REMAP\_TABLESPACE',old\_value => 'ORDERS\_TDE',value => 'ORDERS');*

*DBMS\_DATAPUMP.ADD\_FILE( handle => hdnl, filename => 'import\_files.log', directory => 'DATA\_PUMP\_DIR', filetype => dbms\_datapump.ku$\_file\_type\_log\_file);*

*DBMS\_DATAPUMP.METADATA\_FILTER(hdnl,'SCHEMA\_EXPR','IN (''DATA\_GOVERNANCE'',''IDSOWN'',''IDSAPP'',''NEWEISE2E'',''EDSAPP'',''EDSOWN'',''PDSAPP'',''PDSOWN'',''ADSAPP'',''ADSOWN'',''MAP'',''MDM'',''BILLING'',''ASSET'',''ORDERS'',''CATALOG'',*

*''ACCOUNT'',''APPSEC'',''DGDEV'',''DGAPP'',''IAC\_APP\_SELECT'',''COMMUSER'',''READONLY'',''MAPAPP'',''EISP\_READONLY'',''KVELHAL'',''EBS\_IQUATE\_PPD'',''SBIGGIE'','’PMERRINER'')');*

*DBMS\_DATAPUMP.set\_parallel(handle=>hdnl,degree=>10);*

*DBMS\_DATAPUMP.SET\_PARAMETER(handle=>hdnl,name =>'TABLE\_EXISTS\_ACTION',value => 'REPLACE');*

*DBMS\_DATAPUMP.START\_JOB(hdnl);*

*END;*

***10) We can use the below command to find the progress of the import***

*SELECT text FROM table(rdsadmin.rds\_file\_util.read\_text\_file('DATA\_PUMP\_DIR','* *1566895950130-645.log'));*

*SELECT count(1) FROM table(rdsadmin.rds\_file\_util.read\_text\_file('DATA\_PUMP\_DIR',’import\_ers\_stage\_west\_07Oct19.log’));*

***Goldengate setup from IHP to AWS***

***In RDS we have to enable to GG replication and provide the Admin privillage.***

*EXEC DBMS\_GOLDENGATE\_AUTH.GRANT\_ADMIN\_PRIVILEGE (grantee=>'OGGOWN',privilege\_type=>'capture',grant\_select\_privileges=>true, do\_grants=>TRUE);*

**IN IHP:**

1. **Download the OGG softrware ( GG\_122022\_fbo\_ggs\_Linux\_x64\_shiphome.zip)**
2. **Unzip the software**
3. **Install the software by using the silent method**

**./runInstaller -silent -responseFile /u01/app/ogg/fbo\_ggs\_Linux\_x64\_shiphome/Disk1/response/oggcore.rsp -ignorePrereq -waitforcompletion -showProgress \**

oracle.install.responseFileVersion=/oracle/install/rspfmt\_ogginstall\_response\_schema\_v12\_1\_2 \

INSTALL\_OPTION=ORA11g \

SOFTWARE\_LOCATION=/u01/app/ogg/12.2.0.2 \

START\_MANAGER=TRUE \

MANAGER\_PORT=7811 \

DATABASE\_LOCATION=/u01/app/oracle/product/11.2.0.4/db \

INVENTORY\_LOCATION=/u01/app/oraInventory \

UNIX\_GROUP\_NAME=oinstall

1. **Stop the manager**
2. **apply the patch (28651607)**

export ORACLE\_HOME=/u01/app/ogg/12.2.0.2

export PATH=$ORACLE\_HOME/OPatch:$PATH

oracle@ppdserstrkd1:/u01/oradata/28651607->opatch lsinventory

Oracle Interim Patch Installer version 12.1.0.1.3

Copyright (c) 2019, Oracle Corporation. All rights reserved.

Oracle Home : /u01/app/ogg/12.2.0.2

Central Inventory : /u01/app/oraInventory

from : /u01/app/ogg/12.2.0.2/oraInst.loc

OPatch version : 12.1.0.1.3

OUI version : 12.1.0.2.0

Log file location : /u01/app/ogg/12.2.0.2/cfgtoollogs/opatch/opatch2019-05-13\_01-28-43AM\_1.log

Lsinventory Output file location : /u01/app/ogg/12.2.0.2/cfgtoollogs/opatch/lsinv/lsinventory2019-05-13\_01-28-43AM.txt

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

Installed Top-level Products (1):

Oracle GoldenGate Core 12.2.0.2.2

There are 1 products installed in this Oracle Home.

There are no Interim patches installed in this Oracle Home.

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

**OPatch succeeded.**

oracle@ppdserstrkd1:/u01/oradata/28651607->opatch apply

Oracle Interim Patch Installer version 12.1.0.1.3

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Oracle Home : /u01/app/ogg/12.2.0.2

Central Inventory : /u01/app/oraInventory

from : /u01/app/ogg/12.2.0.2/oraInst.loc

OPatch version : 12.1.0.1.3

OUI version : 12.1.0.2.0

Log file location : /u01/app/ogg/12.2.0.2/cfgtoollogs/opatch/28651607\_May\_13\_2019\_01\_29\_13/apply2019-05-13\_01-29-12AM\_1.log

Applying interim patch '28651607' to OH '/u01/app/ogg/12.2.0.2'

Verifying environment and performing prerequisite checks...

All checks passed.

Please shutdown Oracle instances running out of this ORACLE\_HOME on the local system.

(Oracle Home = '/u01/app/ogg/12.2.0.2')

Is the local system ready for patching? [y|n]

**y**

User Responded with: Y

Backing up files...

Patching component oracle.oggcore.ora11g, 12.2.0.2.2...

Verifying the update...

Patch 28651607 successfully applied

Log file location: /u01/app/ogg/12.2.0.2/cfgtoollogs/opatch/28651607\_May\_13\_2019\_01\_29\_13/apply2019-05-13\_01-29-12AM\_1.log

**OPatch succeeded.**

oracle@ppdserstrkd1:/u01/oradata/28651607->**opatch lsinventory**

Oracle Interim Patch Installer version 12.1.0.1.3

Copyright (c) 2019, Oracle Corporation. All rights reserved.

Oracle Home : /u01/app/ogg/12.2.0.2

Central Inventory : /u01/app/oraInventory

from : /u01/app/ogg/12.2.0.2/oraInst.loc

OPatch version : 12.1.0.1.3

OUI version : 12.1.0.2.0

Log file location : /u01/app/ogg/12.2.0.2/cfgtoollogs/opatch/opatch2019-05-13\_01-42-40AM\_1.log

Lsinventory Output file location : /u01/app/ogg/12.2.0.2/cfgtoollogs/opatch/lsinv/lsinventory2019-05-13\_01-42-40AM.txt

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

Installed Top-level Products (1):

Oracle GoldenGate Core 12.2.0.2.2

There are 1 products installed in this Oracle Home.

Interim patches (1) :

**Patch 28651607 : applied on Mon May 13 01:38:39 PDT 2019**

Unique Patch ID: 22506031

Created on 16 Oct 2018, 11:44:29 hrs PST8PDT

Bugs fixed:

26112114, 27458201, 25256300, 26954565, 22811754, 20822775, 26127417

26950244, 24482678, 25439681, 26649884, 24411701, 26355018, 25927416

26864689, 25463128, 25128014, 25231249, 25242422, 27752568, 26000622

25369310, 26391276, 26253307, 26921547, 26355004, 25667779, 24387563

22202129, 26352620, 27051120, 25814949, 27336070, 26159982, 27278457

25036611, 21314430, 27125134, 25674499, 28085411, 25526742

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

**OPatch succeeded.**

**6>) we have to run the sequence.sql in GG\_home provide the gg owner info**

oracle@ppdserstrkd1:/u01/app/ogg/12.2.0.2->**ls -lrth seq\***

-rwxr-x--- 1 oracle oinstall 35K Oct 16 2018 sequence.sql

oracle@ppdserstrkd1:/u01/app/ogg/12.2.0.2->dba

SQL\*Plus: Release 11.2.0.4.0 Production on Mon May 13 01:48:20 2019

Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production

With the Partitioning, Real Application Clusters, OLAP, Data Mining

and Real Application Testing options

SQL> @sequence.sql

Please enter the name of a schema for the GoldenGate database objects:

**oggown**

Setting schema name to OGGOWN

UPDATE\_SEQUENCE STATUS:

Line/pos

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

Error

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

No errors

No errors

GETSEQFLUSH

Line/pos

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

Error

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

No errors

No errors

SEQTRACE

Line/pos

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

Error

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

No errors

No errors

REPLICATE\_SEQUENCE STATUS:

Line/pos

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

Error

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

No errors

No errors

STATUS OF SEQUENCE SUPPORT

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

**SUCCESSFUL installation of Oracle Sequence Replication support**

We have to check the streams\_pool\_size

SQL> show parameter enable\_goldengate\_replication;

NAME TYPE VALUE

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

enable\_goldengate\_replication boolean FALSE

SQL> alter system set enable\_goldengate\_replication=true scope=both sid='\*';

System altered.

SQL> show parameter enable\_goldengate\_replication;

NAME TYPE VALUE

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

enable\_goldengate\_replication boolean TRUE

SQL> exec DBMS\_GOLDENGATE\_AUTH.GRANT\_ADMIN\_PRIVILEGE('oggown');

PL/SQL procedure successfully completed.

EXEC DBMS\_GOLDENGATE\_AUTH.GRANT\_ADMIN\_PRIVILEGE (grantee=>'OGGOWN',privilege\_type=>'capture',grant\_select\_privileges=>true, do\_grants=>TRUE);

**7) Login to ggsci and do the below steps**

oracle@psyserssgkd1:/u01/app/ogg12.2->*./ggsci*

Oracle GoldenGate Command Interpreter for Oracle

Version 12.2.0.2.181009 OGGCORE\_12.2.0.2.0OGGBP\_PLATFORMS\_180925.1009\_FBO

Linux, x64, 64bit (optimized), Oracle 11g on Sep 25 2018 22:30:27

Operating system character set identified as US-ASCII.

Copyright (C) 1995, 2017, Oracle and/or its affiliates. All rights reserved.

GGSCI (psyserssgkd1) 1> **info all**

Program Status Group Lag at Chkpt Time Since Chkpt

MANAGER STOPPED

GGSCI (psyserssgkd1) 2> **dblogin userid oggown@cassysp, password oggown**

Successfully logged into database.

GGSCI (psyserssgkd1 as oggown@stgsys011) 3> **add schematrandata ITEM30**

2019-05-05 23:18:19 INFO OGG-01976 SCHEMATRANDATA for scheduling columns has been added on schema item30.

GGSCI (psyserssgkd1 as oggown@stgsys011) 4> **add credentialstore**

Credential store created in ./dircrd/.

GGSCI (psyserssgkd1 as oggown@stgsys011) 5**> alter credentialstore add user oggown, password oggown alias casihp\_oggown**

Credential store in ./dircrd/ altered.

GGSCI (psyserssgkd1 as oggown@stgsys011) 6>

**8) edit param mgr**

PORT 7810

DYNAMICPORTLIST 7810-7860

PURGEOLDEXTRACTS ./dirdat/\*, USECHECKPOINTS, MINKEEPDAYS 2

AUTORESTART extract \*, retries 10, WAITMINUTES 5, RESETMINUTES 60

LAGCRITICALMINUTES 5

LAGREPORTMINUTES 60

LAGINFOMINUTES 0

Save the file

**9) Check the entries in the manager parameter file by giving the below command**

**view param mgr**

**10) add the extract**

GGSCI (psyserssgkd1 as oggown@stgsys011) 9> **dblogin useridalias cas\_oggown**

Successfully logged into database.

GGSCI (psyserssgkd1 as oggown@stgsys011) 10> **register extract E2CASIHP database**

GGSCI (psyserssgkd1 as oggown@stgsys011) 11>

GGSCI (psyserssgkd1 as oggown@stgsys011) 11> **add extract E2CASIHP, integrated tranlog, begin now**

EXTRACT (Integrated) added.

GGSCI (psyserssgkd1 as oggown@stgsys011) **ADD EXTTRAIL** /u01/app/oracle/ogg/dirdat/extract/cas/pd**, EXTRACT E3CASIHP megabytes 100**

EXTTRAIL added.

GGSCI (ppdserslvkd1 as oggown@livpdsp1) 8> **view param E2CASIHP**

***EXTRACT E1AWSCDS***

***USERID alias cds\_oggown***

***DBOPTIONS ALLOWUNUSEDCOLUMN***

***TRANLOGOPTIONS INTEGRATEDPARAMS (parallelism 4)***

***EXTTRAIL /u02/oradata/oggdata/casdsaws/ex***

***DISCARDFILE /u02/oradata/oggdata/casdsaws/casds.dsc,PURGE***

***TABLE CASDS.\*;***

***TABLE SIEBEL.\*;***

***TABLE MDM.\****

**11) Add the pump**

GGSCI (psyserssgkd1) 7> d**blogin useridalias cds\_oggown**

Successfully logged into database.

GGSCI (psyserssgkd1 as oggown@stgsys011) 8**> register extract P2CDSCAS database;**

GGSCI (psyserssgkd1 as oggown@stgsys011) 9> **add extract P2CDSCAS, EXTTRAILSOURCE /u02/oradata/oggdata/casdsaws/pf**

EXTRACT added.

GGSCI (psyserssgkd1 as oggown@stgsys011) 10> **add rmttrail /u01/app/oracle/ogg/dirdat/cds/pf, extract P2CDSCAS, megabytes 100**

RMTTRAIL added.

GGSCI (psyserssgkd1 as oggown@stgsys011) 15> **edit param P2CDSCAS**

***EXTRACT* P1CDSCAS**

***RMTHOST*** ***10.66.157.103, MGRPORT 7809***

***RMTTRAIL /u01/app/oracle/ogg/dirdat/cdscas/sy***

***PASSTHRU***

***TABLE CASDS.\*;***

***TABLE SIEBEL.\*;***

***TABLE MDM.\****

**12) Start the manager , extract and pump**

**13) Take the backup of schema based on the database SCN number.**

Nohup expdp “’/ as sysdba ‘” directory=DATA\_PUMP\_DIR dumpfile=expdp\_stg\_pds\_16may%U.dmp logfile=expdp\_stg\_pds\_16may.log parallel=5 schemas=ITEM30, ERSTOOLS FLASHBACK\_SCN=12939266386189 compression=all &

exec SYS.UTL\_RECOMP.RECOMP\_SERIAL(‘ITEM30APP’);  
exec SYS.UTL\_RECOMP.RECOMP\_SERIAL(‘ITEM30’);

We need run in RDS to enable the force logging, primary key and foreign keys in AWS script

BEGIN

rdsadmin.rdsadmin\_util.force\_logging(p\_enable => true);

rdsadmin.rdsadmin\_util.alter\_supplemental\_logging(p\_action => 'ADD',p\_type => 'ALL');

rdsadmin.rdsadmin\_util.alter\_supplemental\_logging(p\_action => 'ADD',p\_type => 'FOREIGN KEY');

rdsadmin.rdsadmin\_util.alter\_supplemental\_logging(p\_action => 'ADD',p\_type => 'PRIMARY KEY');

rdsadmin.rdsadmin\_util.alter\_supplemental\_logging(p\_action => 'ADD',p\_type => 'UNIQUE');

end;

***for IHP***

ALTER DATABASE ADD SUPPLEMENTAL LOG DATA (ALL) COLUMNS;  
ALTER DATABASE ADD SUPPLEMENTAL LOG DATA (PRIMARY KEY) COLUMNS;  
ALTER DATABASE ADD SUPPLEMENTAL LOG DATA (UNIQUE) COLUMNS;  
ALTER DATABASE ADD SUPPLEMENTAL LOG DATA (FOREIGN KEY) COLUMNS;

**14) Replication setup AWS (RDS Instance)**

1. dblogin USERID oggown@cassysp, password oggown
2. add credentialstore
3. alter credentialstore add user oggown password oggown alias cdsprfp\_oggown
4. ADD CHECKPOINTTABLE oggown.CHKPT
5. ADD REPLICAT R3AWSCAS, EXTTRAIL /u01/app/ogg/12.2.0.2/dirdat/cas/sy, CHECKPOINTTABLE oggown.CHKPT
6. REPLICAT ***R1AWSCDS***

***REPLICAT R1AWSCDS***

***useridalias cds\_oggown***

***-- set the environment***

***SETENV (NLS\_LANG = "AMERICAN\_AMERICA.AL32UTF8")***

***--HANDLECOLLISIONS***

***DBOPTIONS SUPPRESSTRIGGERS***

***ASSUMETARGETDEFS***

***DISCARDFILE ./dirrpt/R1AWSCAS.dsc, purge***

***batchsql BATCHESPERQUEUE 200 OPSPERBATCH 2000***

***-- list how many records are processed every half an hour***

***REPORTCOUNT EVERY 30 MINUTES, RATE***

***MAP CASDS.\*,TARGET CASDS.\*;***

***MAP ISIEBEL.\*,TARGET SIEBEL.\*;***

***MAP MDM.\*,TARGET MDM.\*;***

select scn\_to\_timestamp(595452866) as timestamp from dual;

select timestamp\_to\_scn(to\_timestamp('03/06/2019 21:20:00','DD/MM/YYYY HH24:mi:SS')) as scn from dual:

**START REPLICAT** R3AWSCAS**, AFTERCSN 595452866**

select 'alter sequence '||sequence\_owner||'.'||sequence\_name||' increment by '|| increment\_by||';' from dba\_sequences where sequence\_owner in('ITEM30','ITEM300APP') ORDER BY 1;

select 'SELECT '||sequence\_owner||'.'||sequence\_name||'.nextval from dual;' from dba\_sequences where sequence\_owner in('ITEM30','ITEM300APP') ORDER BY 1;

select to\_char(timestamp\_to\_scn(to\_timestamp('30/08/2019 01:59:00','DD/MM/YYYY HH24:mi:SS'))) as scn from dual;

select 'alter sequence '||sequence\_owner||'.'||sequence\_name||' increment by '|| increment\_by||';' from dba\_sequences where sequence\_owner in('ITEM30','ITEM300APP') ORDER BY 1;

select 'SELECT '||sequence\_owner||'.'||sequence\_name||'.nextval from dual;' from dba\_sequences where sequence\_owner in('ENTUSER','ENTAPP','SIUSER') ORDER BY 1;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*END\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

***add extract P1AWSCDS, EXTTRAILSOURCE /u02/oradata/oggdata/casdsaws/ex***

***add rmttrail /u01/app/oracle/ogg/dirdat/cds/sys, extract P1AWSCDS, megabytes 100***

***EXTRACT E1AWSCAS***

***USERID oggown, PASSWORD oggown***

***DBOPTIONS ALLOWUNUSEDCOLUMN***

***TRANLOGOPTIONS INTEGRATEDPARAMS (parallelism 4)***

***EXTTRAIL /u02/oradata/oggdata/casaws/ex***

***--TRANLOGOPTIONS MINEFROMSNAPSHOTSTBY***

***--TRACETABLE***

***DISCARDFILE /u02/oradata/oggdata/casaws/casds.dsc,PURGE***

***TABLE ACCOUNT.\*;***

***TABLE IDSOWN.\*;***

***TABLE NEWEISE2E.\*;***

***TABLE ORDERS.\*;***

***TABLE COMMUSER.\*;***

***TABLE BILLING.\*;***

***TABLE DATA\_GOVERNANCE.\*;***

***TABLE MDM.\*;***

***TABLE CATALOG.\*;***

***TABLE OGGOWN.\*;***

***TABLE ASSET.\*;***

***TABLE ADSOWN.\*;***

***TABLE PDSOWN.\*;***

***TABLE EDSOWN.\*;***

***TABLE MAP.\*;***

***EXTRACT P1AWSCAS***

***USERID oggown, PASSWORD oggown***

***DBOPTIONS ALLOWUNUSEDCOLUMN***

***TRANLOGOPTIONS INTEGRATEDPARAMS (parallelism 4)***

***EXTTRAIL /u02/oradata/oggdata/casaws/ex***

***--TRANLOGOPTIONS MINEFROMSNAPSHOTSTBY***

***--TRACETABLE***

***DISCARDFILE /u02/oradata/oggdata/casaws/casds.dsc,PURGE***

***TABLE ACCOUNT.\*;***

***TABLE IDSOWN.\*;***

***TABLE NEWEISE2E.\*;***

***TABLE ORDERS.\*;***

***TABLE COMMUSER.\*;***

***TABLE BILLING.\*;***

***TABLE DATA\_GOVERNANCE.\*;***

***TABLE MDM.\*;***

***TABLE CATALOG.\*;***

***TABLE OGGOWN.\*;***

***TABLE ASSET.\*;***

***TABLE ADSOWN.\*;***

***TABLE PDSOWN.\*;***

***TABLE EDSOWN.\*;***

***TABLE MAP.\*;***

***REPLICAT R1AWSCAS***

***useridalias cas\_oggown***

***-- set the environment***

***SETENV (NLS\_LANG = "AMERICAN\_AMERICA.AL32UTF8")***

***--HANDLECOLLISIONS***

***DBOPTIONS SUPPRESSTRIGGERS***

***ASSUMETARGETDEFS***

***DISCARDFILE ./dirrpt/R1AWSCAS.dsc, purge***

***batchsql BATCHESPERQUEUE 200 OPSPERBATCH 2000***

***-- list how many records are processed every half an hour***

***REPORTCOUNT EVERY 30 MINUTES, RATE***

***MAP ACCOUNT.\*,TARGET ACCOUNT.\*;***

***MAP IDSOWN.\*,TARGET IDSOWN.\*;***

***MAP NEWEISE2E.\*,TARGET NEWEISE2E.\*;***

***MAP ORDERS.\*,TARGET ORDERS.\*;***

***MAP COMMUSER.\*,TARGET COMMUSER.\*;***

***MAP BILLING.\*,TARGET BILLING.\*;***

***MAP DATA\_GOVERNANCE.\*,TARGET DATA\_GOVERNANCE.\*;***

***MAP MDM.\*,TARGET MDM.\*;***

***MAP CATALOG.\*,TARGET CATALOG.\*;***

***MAP OGGOWN.\*,TARGET OGGOWN.\*;***

***MAP ASSET.\*,TARGET ASSET.\*;***

***MAP ADSOWN.\*,TARGET ADSOWN.\*;***

***MAP PDSOWN.\*,TARGET PDSOWN.\*;***

***MAP EDSOWN.\*,TARGET EDSOWN.\*;***

***MAP MAP.\*,TARGET MAP.\*;***

***nohup expdp "'/ as sysdba '" directory=EXPDP\_DIR dumpfile=expdp\_cas\_sys\_31july\_%U.dmp logfile=expdp\_cas\_sys\_31jul.log parallel=5 schemas=ACCOUNT,IDSOWN,NEWEISE2E,ORDERS,COMMUSER,BILLING,DATA\_GOVERNANCE,MDM,CATALOG,OGGOWN,ASSET,ADSOWN,PDSOWN,EDSOWN,MAP FLASHBACK\_SCN=415358529 compression=all &***

***nohup expdp "'/ as sysdba '" directory=EXPDP\_DIR dumpfile=expdp\_casds\_sys\_31july\_%U.dmp logfile=expdp\_casds\_sys\_31jul.log parallel=5 schemas=CASDS,SIEBEL,MDM FLASHBACK\_SCN=632336602 compression=all &***

***10.66.157.0/24***

***10.66.156.0/24***

***10.66.158.0/24***

***ADD REPLICAT R1AWSCDS, EXTTRAIL /u01/app/oracle/ogg/dirdat/cds/sy CHECKPOINTTABLE oggown.CHKPT***

***ADD REPLICAT R1AWSCAS, EXTTRAIL /u01/app/oracle/ogg/dirdat/cas/cs CHECKPOINTTABLE oggown.CHKPT***

***cdssysp=(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=cdssysp.cia4ixutxskb.us-west-2.rds.amazonaws.com)(PORT=13050)) (CONNECT\_DATA=(SERVICE\_NAME=cdssysp)))***

***DECLARE***

***hdnl NUMBER;***

***BEGIN***

***hdnl := DBMS\_DATAPUMP.OPEN( operation => 'IMPORT', job\_mode => 'SCHEMA', job\_name=>null);***

***DBMS\_DATAPUMP.ADD\_FILE( handle => hdnl, filename => 'expdp\_casds\_sys\_31july\_%U.dmp', directory => 'DATA\_PUMP\_DIR', filetype => dbms\_datapump.ku$\_file\_type\_dump\_file);***

***DBMS\_DATAPUMP.ADD\_FILE( handle => hdnl, filename => 'import\_files.log', directory => 'DATA\_PUMP\_DIR', filetype => dbms\_datapump.ku$\_file\_type\_log\_file);***

***DBMS\_DATAPUMP.SET\_PARAMETER(hdnl,'TABLE\_EXISTS\_ACTION','REPLACE') ;***

***DBMS\_DATAPUMP.SET\_PARALLEL(hdnl,5) ;***

***DBMS\_DATAPUMP.START\_JOB(hdnl);***

***END;***

***/***

***export http\_proxy=http://qy1prdproxy01.ie.intuit.net:80/***

***export https\_proxy=http://qy1prdproxy01.ie.intuit.net:80/***

***export no\_proxy='.intuit.net, .intuit.com, 10.\*.\*.\*, localhost, 127.0.0.1'***

***export AWS\_ACCESS\_KEY\_ID=ASIAZZUKLL3D7TRE7NPB***

***export AWS\_SECRET\_ACCESS\_KEY=EkyjzO3n4/HMOA92/aEFZaeP8i5IROlchyKuq6Up***

***export AWS\_SECURITY\_TOKEN=FQoGZXIvYXdzEEEaDITEVFn0ZMo0LBNmByKSAtGYHtY7/vZw3phjQ5cv65wcH8IGnu1gLws+O7oCc+ZeZ7z2sodWUhvCkiRBeYKUB5MyAXr/4lOQBSzm0hk3qRgC87z/QGUFJGvpKnCjzyAB4dla7dZOXzrvBlFrmQczmv96hPe66Fv+ulTiSgbj6DUSuBJUACg542y3syLD92JdOiDqFBlw4xsU3dicCJQpqZ/kuDdPlSTpk/N5odiTEVzke1F+CkxhMPz5QUtyyhwLLmt6J7PqotVEncJxQ0koof/6KgKOWc7SItn1L13SCZU4E6wY9TwehIiM20lLfFee5LMjwd1RG9dNdHUNyZTunWxATvVxAasUAoyfiw+s9oocObTM0a9szc+3zMENLPOWw8YouO2G6gU=***

***export PATH=~/.local/bin:$PATH***

***4. aws s3 cp <Souce> <Dest>***

***e.g :- aws s3 cp dbpump s3://ebpi-db-dumps/ --recursive***

***aws s3 cp temp\_bkp s3://ers-db-dumps --recursive***

***SELECT rdsadmin.rdsadmin\_s3\_tasks.download\_from\_s3(p\_bucket\_name => 'ebpi-db-dumps',p\_directory\_name =>'DATA\_PUMP\_DIR') AS TASK\_ID FROM DUAL;***

***SELECT text FROM table(rdsadmin.rds\_file\_util.read\_text\_file('DATA\_PUMP\_DIR','dbtask-1564589822409-1285.log'));***

***SELECT text FROM table(rdsadmin.rds\_file\_util.read\_text\_file('DATA\_PUMP\_DIR','import\_files.log'));***

***SELECT count(1) FROM table(rdsadmin.rds\_file\_util.read\_text\_file('DATA\_PUMP\_DIR','import\_files.log'));***

***\*\*\*\*\*\*\*\*\*\*\****

***GGSCI (ip-10-66-157-103.vpc.internal) 4> dblogin userid oggown@cassysp, password oggown***

***Successfully logged into database.***

***GGSCI (ip-10-66-157-103.vpc.internal as oggown@CASSYSP) 5> add credentialstore***

***A credential store already exists in ./dircrd/.***

***ERROR: Unable to create a new credential store in ./dircrd/.***

***GGSCI (ip-10-66-157-103.vpc.internal as oggown@CASSYSP) 6> alter credentialstore add user oggown password oggown alias cas\_oggown***

***Credential store in ./dircrd/ altered.***

***GGSCI (ip-10-66-157-103.vpc.internal as oggown@CASSYSP) 7> ADD CHECKPOINTTABLE oggown.CHKPT***

***Successfully created checkpoint table oggown.CHKPT.***

***GGSCI (ip-10-66-157-103.vpc.internal as oggown@CASSYSP) 8>***

***ADD REPLICAT R1AWSCAS, EXTTRAIL /u01/app/oracle/ogg/dirdat/cas/cs CHECKPOINTTABLE oggown.CHKPT***

***[ec2-user@ip-10-66-151-210 ~]$ ssh -i 101bastion.pem 10.66.157.103***

/u01/app/oracle/ogg/dirdat/cas/ R3AWSCAS.dsc