

# Oracle Revenue Management and Billing Upgrade from v2.8 to v5.1

July-24

### **Document Control**

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### **Upgrade Checklist**

Enviourment - RMB SIT Upgrade 2.8 to 5.1		
Softw	vares	
Application Server	Oracle WebLogic 12.2.1.4 (64-bit)	
Database Server	Oracle Database Server 19c	
Operating System	Oracle Linux 8.x (64-bit) 86_64	
DRMB	RMB 5.1	
Framework	4.5.0.0.0	
Pre-upgra	ade tasks	
Download RMB 5.1 Package from oracle edelivery for Linux x86-64		
<ol> <li>Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 - Multiplatform,</li> </ol>		
<ol><li>Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 - Oracle Database,</li></ol>		
3) Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 - Oracle Utilities		
Download Oracle Utilities Application Framework 4.5.0.0.0 for Linux x86-64		
<ol> <li>Oracle Utilities Application Framework 4.5.0.0.0 - Database Installation Media</li> </ol>		
2) Oracle Utilities Application Framework 4.5.0.0.0 - Application Installation Media		
Download all RMB 5.1 Mandatory Patches		
35168266 MANDATORY PATCH 1 FOR ORMB VERSION 5.1.0.0.0		
35250817 MANDATORY PATCH 2 FOR ORMB VERSION 5.1.0.0.0 (Patch)		
Extra Patch applied Dev Env		
•35682098		
•35784758		
•36214760		
RMB SIT Database Cold Backup		
RMB Application RMBD139 Backup on both Nodes		
RMB FISAPP Backup on both Nodes		
RMB Weblogic / Middleware Backup on both Nodes		
IMP file backup by DEV team . if any on both Nodes		
, , , , , , , , , , , , , , , , , , , ,		
	DB Validation Task	
ORMB data is imported on Oracle Database Server 19c and the MAX_STRING_SIZE parameter is set to EXTENDED		
No data exists in the CI_BCHG_TEMP table before you start the upgrade process		
Backup of the CI_BATCH_RUN_CNTRL table and then truncate this table		
Execute the PreprocessingScript.sql query which is available in the V30000 MIGRATION PATCH DEPLOYMENT ISSUE		
AFTER DIRECT UPGRADE FROM 29010 TO 31000 patch (Patch Number: 33459344		
Grant access queries needed to executed on CISUSER/CISREAD		
GRANT EXECUTE ON DBMS_CRYPTO TO CISADM;		

Upgrade Task	
TASK	Description Description
Shutdown RMB Application on Both nodes	
Shutdown ThreadPoll	Shutdown RMB Application on Both nodes
Start RMB Dev DB	
Create Dir for RMB5.1 and FW 4,5	
Installing OUAF Version 4.5.0.0.0 : Apply Blueprint	Oracle Utilities Application Framework 4.5.0.0.0 - Database Installation Media
Installing Rollup Pack for OUAF Version 4.5.0.0.0: Apply Rollup	Oracle Utilities Application Framework V4.5.0.0.0 Single Fix Prerequisite Rollup for RMB V5.0.0.0.0 -Databse
Installing OUAF Version 4.5.0.0.0 on Node 1 and Node 2	Oracle Utilities Application Framework 4.5.0.0.0 - Application Installation Media
Installing Rollup Pack for OUAF Version 4.5.0.0.0 on Node 1 and Node 2	Oracle Utilities Application Framework V4.5.0.0.0 Single Fix Prerequisite Rollup for RMB V5.0.0.0.0 - Application
Installing the ORMB Application 5.1on Node 1 and Node 2	Oracle Revenue Management and Billing V5.0.0.0.0 Multiplatform
Upgrading the ORMB Database	Oracle Revenue Management and Billing V5.0.0.0.0 Oracle Database
validate ormb and framework version in DB/Application	
Execute SPL ENV	
Execute initialsetup	
Execute iws	
Clear tmp/cahe/stage	
Redeploy all war files	
Start the RMB/Threapool Application For Validation	
Stop RMB/Thereapool	
Apply Mandatory Roll ups	
Migration Patches	Migration patches from 2.8 to 5.1
Hashtag Generation	HashTag generation
Execute SPL ENV	
Execute initialsetup	
Execute iws	
Clear tmp/cahe/stage	
Extra Patch applied Dev Env	
*35682098	
*35784758	
•36214760	
35682098	
35784758	
36214760	
Redeploy all war files	
Start the RMB/Threapool Application For Validation	
, pp.	Sanity
Validate IWS Webservice URI	,
Validate SPLWEB URL	
Execute Dummy Batch F1-FLUSH	
Sanity from Business	-



### Pre-Upgrade Tasks

- 1. RMB Application RMBT209 Backup on both the App Nodes.
- 2. RMB FISAPP Backup on both Nodes
- 3. RMB Weblogic/Middleware Backup on both Nodes
- 4. RMB SIT Database Cold Backup
- 5. Shutdown RMB Application on Both nodes
- 6. Shutdown ThreadPool.
- 7. SIT DB should be Up and Running.
- 8. Downloading the Patches:

Download RMB 5.1 Package from Oracle e-delivery for Linux x86-64

- a) Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 Multiplatform,
- b) Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 Oracle Database,
- c) Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 Oracle Utilities

Download Oracle Utilities Application Framework 4.5.0.0.0 for Linux x86-64

- a) Oracle Utilities Application Framework 4.5.0.0.0 Database Installation Media
- b) Oracle Utilities Application Framework 4.5.0.0.0 Application Installation Media

Download all RMB 5.1 Mandatory Patches

- a) 35162465 PRE-REQUISITE MANDATORY PATCH
- b) 35168266 MANDATORY PATCH 1 FOR ORMB VERSION 5.1.0.0.0
- c) 35250817 MANDATORY PATCH 2 FOR ORMB VERSION 5.1.0.0.0 (Patch)
  - 9. Stage all the above Patches in the required Directory.



### Prerequisites DB Steps

### Step 1: Take Snapshot of below command: select \* from CL BCHG TEMP \$\text{ INSTALL\_OPT\_ID } \times OWNER\_FLG \$\times Release\_ID\$ \$\times COMP\_STATUS\_FLG \$\times UPDATE\_DTTM \$\times Ve... \$\times \times SORT\_SEQ \$\times BUILD\_NBR \$\times PATCH\_NBR \$\times DISPLAY\_SW \$\times PRODUCT\_NAME IN THE NAME IN ⊕ PRODUCT\_NAME Oracle Utilities Application Framework Customer Modification-Marsh Revenue Management - QA-T209 Step 2: Validate Below Grants: 1. Assign dba role with admin privilege to CISADM. Assign below Grants to CIS\_USER & CIS\_READ GRANT CREATE SYNONYM TO CIS\_USER; GRANT CREATE SYNONYM TO CIS\_READ; 3. Grant below Privileges to CISUSER. GRANT SELECT ANY TABLE TO CISUSER; GRANT CIS USER TO CISUSER; GRANT CIS\_READ TO CISUSER; GRANT CONNECT TO CISUSER; 4. Grant below privilege to CISREAD GRANT SELECT ANY TABLE TO CISREAD; GRANT CIS READ TO CISREAD; GRANT CONNECT TO CISREAD; 5. Assign below privilege to CISORP GRANT CONNECT, RESOURCE, EXP\_FULL\_DATABASE TO CISOPR; SELECT \* FROM DBA\_SYS\_PRIVS where GRANTEE = 'CISUSER'; --Individual Priv to the User SELECT \* FROM DBA\_SYS\_PRIVS where GRANTEE = 'CISREAD'; SELECT \* FROM DBA\_SYS\_PRIVS where GRANTEE = 'CISADM'; SELECT \* FROM DBA ROLE PRIVS WHERE GRANTEE = 'CISUSER'; --Individual Role to the User SELECT \* FROM DBA\_ROLE\_PRIVS WHERE GRANTEE = 'CISREAD'; SELECT \* FROM DBA\_ROLE\_PRIVS WHERE GRANTEE = 'CISADM';



```
SELECT *
FROM DBA_SYS_PRIVS
WHERE GRANTEE IN (SELECT granted_role
FROM DBA_ROLE_PRIVS
WHERE GRANTEE = 'CISOPR'); -- Run this command for
CISUSER/CISREAD/CISADM/CISOPR
```

### Reference screenshot from SIT:

```
select * from CI INSTALL PROD; -- Take Snapshot of this command output
SELECT * FROM DBA SYS PRIVS where GRANTEE = 'CISUSER'; -- Individual Priv to the User
 SELECT * FROM DBA SYS PRIVS where GRANTEE = 'CISREAD';
 SELECT * FROM DBA_SYS_PRIVS where GRANTEE = 'CISADM';
 SELECT * FROM DBA_ROLE_PRIVS WHERE GRANTEE = 'CISUSER'; --Individual Role to the User
 SELECT * FROM DBA ROLE PRIVS WHERE GRANTEE = 'CISREAD';
 SELECT * FROM DBA ROLE PRIVS WHERE GRANTEE = 'CISADM';
SELECT *
  FROM DBA SYS PRIVS
 WHERE GRANTEE IN (SELECT granted_role
                    FROM DBA ROLE PRIVS
                    WHERE GRANTEE = 'CISOPR'); -- Run this command for CISUSER/CISREAD/CISADM/CISOPR
 GRANT CIS_USER TO CISUSER;
 GRANT CIS_READ TO CISUSER;
 GRANT CREATE SYNONYM TO CIS USER;
 GRANT CREATE SYNONYM TO CIS READ;
```

## **Step 3:** Verify MAX\_STRING\_SIZE parameter is set to EXTENDED. If NOT, kindly follow below steps:

- 1. Set the ORACLE\_HOME and ORACLE\_SID environment variables.
- 2. Shutdown the target database using the following command: shutdown immediate
- 3. Start the database in the Upgrade mode using the following command: startup upgrade
- 4. Set the MAX\_STRING\_SIZE parameter to EXTENDED using the following command: alter system set max\_string\_size=extended scope=both;
- 5. Execute the utl32k.sql file using the following command: @?/rdbms/admin/utl32k.sql
- **6.** Restart the database in the Normal mode using the following commands:

shutdown immediate startup

**Step 4:** Assign the Execute privilege for the DBMS\_CRYPTO package to the CISADM user. Enable the DBMS\_CRYPTO package by executing the following command as SYS: **GRANT EXECUTE ON DBMS\_CRYPTO TO CISADM** 



**Step 5:** Remove the ALTER\_CI\_PRCE\_CALC\_LN.sql script from the CDIIni.Drv file which is located at <DESTINATION\_FOLDER\_1>/RMB/Upgrade/Oracle/Install-Upgrade and add it in the beginning of the CDIPost.Drv file which is located at <DESTINATION\_FOLDER\_1>/RMB/Upgrade/Oracle/Install-Upgrade

**Note:** The <DESTINATION\_FOLDER\_1> folder is the location where you have extracted the contents of the **Oracle Financial Services Revenue Management and Billing 5.1.0.0.0 - Oracle Database** package.

**Step 6**: Check if there is any data in **CI\_BATCH\_RUN\_CNTRL** table & if so take backup of this table. After the backup truncate the table.

**Step 7:** Password Validation of Below User Account:

CISADM, CISUSER and CISREAD



### Installing the ORMB & OUAF Packages

# <u>Patch 1</u>: Oracle Utilities Application Framework 4.5.0.0.0 - Database Installation Media (V1020069-01)

### Step 1: Unzip the the Patch and Export below environment variable using the following commands:

### export JAVA\_HOME=/web/bea/oltt209/JAVA

export

JAR\_PATH=/web/workspace/RMB\_SIT\_Upgrade/ORMB\_5.1\_UPGRADE/FW\_4.5.0.0.0\_Binaries/Dat abase\_media/jarfiles

export CLASS\_PATH=\${JAR\_PATH}/commons-collections-3.2.2.jar:\${JAR\_PATH}/commons-codec-1.15.jar:\${JAR\_PATH}/commons-cli-1.4-c12260c.jar:\${JAR\_PATH}/ojdbc8-19.3.0.0.0.jar:\${JAR\_PATH}/jackson-databind-2.12.2.jar:\${JAR\_PATH}/jackson-core-2.12.2.jar:\${JAR\_PATH}/jackson-annotations-2.12.2.jar:\${JAR\_PATH}/spl-shared-4.5.0.0.0.jar:\${JAR\_PATH}/spl-oradbi-4.5.0.0.0.jar:\${JAR\_PATH}/log4j-core-2.17.1.jar:\${JAR\_PATH}/log4j-api-2.17.1.jar

### Step2: Execute the OraDBI (Java) utility using the following command:

\${JAVA\_HOME}/bin/java -Xmx1500M -cp \${CLASS\_PATH} com.oracle.ouaf.oem.install.OraDBI -d jdbc:oracle:thin:@USDFW34DB05V.mrshmc.com:3205:oltt209,cisadm,<CISADM\_PWD>,CISUSER,CIS READ,CIS\_USER,CIS\_READ,cisadm -p <CISADM\_PWD>,<CISADM\_PWD> -I 1,2 -q true -o

Type Y and then press Enter.

START Screenshot:

```
2024-07-02 09:01:19,621 [main] INFO (oem.install.OraDBI) Parameter file is @ /web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGR ADE/FW_4.5.0.0.0 Binaries/V1020069/Install-Upgrade/OraDBI.par
- 2024-07-02 09:01:19,714 [main] INFO (shared.common.Cryptography) Error initializing the keystore based cryptography. The keystore file '/web/bea_apps/oltt209/RMBT209/ks/.keystore' does not exist. This file is either provided by the property com.ora cle.ouaf.system.keystore.file or expected to exist at the default file location /web/bea_apps/oltt209/RMBT209/ks/.keystore Attempting to use the largery cryptography.
mpting to use the legacy cryptography.
- 2024-07-02 09:01:19,864 [main] INFO (oem.install.OraDBI)
Connecting to the Target Database as user CISADM
- 2024-07-02 09:01:19,864 [main] DEBUG (oem.install.OraDBI)
User Name : CISADM
           2024-07-02 09:01:19,864 [main] DEBUG (oem.install.OraDBI)
Database Name : jdbc:oracle:thin:@USDFW34DB05V.mrshmc.com:3205:oltt209
          2024-07-02 09:01:20,118 [main] INFO (oem.install.OraDBI) The driver is 19.3.0.0.0 2024-07-02 09:01:20,118 [main] INFO (oem.install.OraDBI) The DBMS is Oracle Database 19c Enterprise Edition Release 19.0.
 0.0.0 - Production
Version 19.23.0.0.0
- 2024-07-02 09:01:20,216 [main] INFO (oem.install.OraDBI)
Connecting to the Target Database as user CISADM
- 2024-07-02 09:01:20,217 [main] DEBUG (oem.install.OraDBI)
User Name : CISADM
- 2024-07-02 09:01:20,217 [main] DEBUG (oem.install.OraDBI)
Database Name : jdbc:oracle:thin:@USDFW34DB05V.mrshmc.com:3205:oltt209
          2024-07-02 09:01:20,284 [main] INFO (oem.install.OraDBI) The driver is 19.3.0.0.0 2024-07-02 09:01:20,284 [main] INFO (oem.install.OraDBI) The DBMS is Oracle Database 19c Enterprise Edition Release 19.0.
 0.0.0 - Production
Version 19.23.0.0.0

- 2024-07-02 09:01:20,284 [main] INFO (oem.install.OraDBI) Successfully connected with CISREAD & CISADM

- 2024-07-02 09:01:20,290 [main] DEBUG (oem.install.OraDBI) select count(*) from user_tables where table_name = ?;

- 2024-07-02 09:01:20,344 [main] DEBUG (oem.install.OraDBI) select count(*) from user_table_columns where table_name = ? and c
olumn name = 'SR NO';
- 2024-07-02 09:01:20,347 [main] DEBUG (oem.install.OraDBI) select release_id||decode(release_id_sfx,' ',null,'.'||release_id_sfx) from CISADM.CI_INSTALL_PROD where release_id <> ' ' and owner_flg = ?;
                                                                                                                                                                                                                                    1.2
                                                                                                                                                                                                                                                                 Top
```

#### **END Screenshot:**

```
CREATE or Replace SYNONYM CM_CRA_HIST_S FOR CISADM.CM_CRA_HIST_S;
- 2024-07-02 09:18:40,770 [main] DEBUG (oem.install.OraDBI)
update CISADM.CI_UT_INSTL_DTL set end_dttm=to_date('07-02-2024 09:18:40','MM-DD-YYYY HH24:MI:SS'), run_status_flg='02' where in
stl_log_id=2129 and seq_num = 162 - 1;
       2024-07-02 09:18:40,773 [main] DEBUG (oem.install.OraDBI)
COMMIT;
- 2024-07-02 09:18:40,775 [main] DEBUG (oem.install.OraDBI)
update CISADM.CI_UT_INSTL set end_dttm=to_date('07-02-2024 09:18:40','MM-DD-YYYY HH24:MI:SS'), run_status_flg='02' where instl_
log id=2129;
       2024-07-02 09:18:40,778 [main] DEBUG (oem.install.OraDBI)
COMMIT;
      2024-07-02 09:18:40,779 [main] INFO (oem.install.OraDBI)
Storing Database Credential with ecncrypted password...
      2024-07-02 09:18:40,779 [main] DEBUG (oem.install.OraDBI) UPDATE CISADM.CI_WFM_OPT_SET_WFM_OPT_VAL=? WHERE EXT_OPT_TYPE=?; 2024-07-02 09:18:40,783 [main] DEBUG (oem.install.OraDBI) UPDATE CISADM.CI_WFM_OPT_SET_WFM_OPT_VAL=? WHERE EXT_OPT_TYPE=?; 2024-07-02 09:18:40,787 [main] DEBUG (oem.install.OraDBI)
       2024-07-02 09:18:40,788 [main] DEBUG (oem.install.OraDBI) update CISADM.CI_INSTALL_PROD set release_id=?,release_id_sfx= ?
COMMIT;
- 2024-07-02 09:18:41,025 [main] INFO (oem.install.OraDBI)
The following duplicates were found in table CI_MD_MO_OPT:
- 2024-07-02 09:18:41,025 [main] INFO (oem.install.OraDBI)
- 2024-07-02 09:18:41,215 [main] INFO (oem.install.OraDBI)
                                                                                        MAINT_OBJ_CD=TENDER TYPE, MAINT_OBJ_OPT_FLG=F1BP, SEQ_NUM=1
Install/Upgrade of Database Rel. V4.5.0.0.0 Completed Sucessfully, Now Exiting ...
     2024-07-02 09:18:41,216 [main] INFO (oem.install.OraDBI) Process Completed Sucessfully, Now Exiting ... 139384,2
                                                                                                                                                                         Bot
```



# <u>Patch 2</u>: Oracle Utilities Application Framework 4.5.0.0.0 - Application Installation Media (V1020099-01) (Execute on Each APP Nodes)

Step 1: Take Backup of RMBT209 folder e.g. RMBT209\_Before\_Upgrade

Step 2: Create a temp folder /web/bea\_apps/oltt209/**Sit\_upgrade** and place the RMBT209\_Before\_Upgrade/etc/**ENVIRON.INI** to the temp folder

(All the required customizations will be picked up from the existing ENVIRON.INI file)

Step 3: Run below mentioned command:

./install.sh -i /web/bea\_apps/oltt209/Sit\_upgrade/ENVIRON.INI

Pass Oracle\_Client\_Home: /web/workspace/baseinstall/oracle/19.3.0/

If you are getting below Error, then Delete the RMBT209 file (which is just created as part of the Upgrade Process), export JAVA\_HOME and try to re-run it.

#### **START Screenshot:**



```
wsadt209:usdfw23as121v:/web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/FW_4.5.0.0.0_Binaries/Application_Media/FW-V4.5.0.0.0>
/install.sh -i /web/bea_apps/oltt209/Sit_upgrade/ENVIRON.INI
Enter Oracle Client Home Directory (<ENTER> quit): /web/workspace/baseinstall/oracle/19.3.0/
240703:044416 <info> Silent mode installation. Input file: /web/bea_apps/oltt209/Sit_upgrade/ENVIRON.INI
>>> Checking Java version ... done.
>>> Writing variables to /web/vorkspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/FW_4.5.0.0.0_Binaries/Application_Media/FW-V4.5.0.0.0/
tmp/2024-07-03-04442ENVIRON.INI ... done.
240703:044418 <info> Creating Keystore Password File.
240703:044418 <info> Creating Keystore File Alias.
240703:044418 <info> Creating Keystore File Alias.
240703:044418 <info> Creating Keystore File HMAC Alias.
240703:044418 <info> Creating Keystore File HMAC Alias.
240703:044418 <info> Creating Keystore File HMAC Alias.
>>> Checking OB_OVERRIDE_CONNECTION ... done.
>>> Claculating additional variables ... done.
>>> Claculating additional variables ... done.
>>> Checking OB_OVERRIDE_CONNECTION ... done.
>>> Writing variables to /web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/FW_4.5.0.0.0_Binaries/Application_Media/FW-V4.5.0.0.0/tmp/2024-07-03-0444/ENVIRON.INI To /web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/FW_4.5.0.0.0_Binaries/Application_Media/FW-V4.5.0.0.0/tmp/2024-07-03-0444/ENVIRON.INI ... done.

240703:044418 <info> create directory /web/bea_logs/oltt209/RMBT209
240703:044418 <info> copying folder /web/workspace/RNB_SIT_Upgrade/ORMB_5.1_UPGRADE/FW_4.5.0.0.0_Binaries/Application_Media/FW-V4.5.0.0.0/data/bin to /web/bea_apps/oltt209/RMBT209/bin/perllib

240703:044418 <info> copying folder /web/workspace/RNB_SIT_Upgrade/ORMB_5.1_UPGRADE/FW_4.5.0.0.0_Binaries/Application_Media/FW-V4.5
```

#### **End Screenshot:**

```
240703:044612 <info> 240703:044612 <info> 240703:044612 <info> 240703:044612 <info> 240703:044612 <info> 240703:044612 <info> 240703:044613 <info> 240703:044613 <info> 240703:044613 <info> 240703:044613 <info> 240703:044613 <info> 240703:044614 <info> 240703:04
```

#### Validation Screenshot:



<u>Patch 3</u>: Oracle Utilities Application Framework V4.5.0.0.0 Single Fix Prerequisite Rollup for RMB V5.0.0.0.0 - Database (V1034200-01)

<u>Step 1:</u> Once you unzip the Single-Fix Pack, extract the Jar file and you will see 2 folders named Database and Application.

<u>Step 2:</u> Create dbpatch\_tools folder and Copy the **db\_patch\_standalone.jar** file to the dbpatch\_tools folder.

The Overall Directory structure should look like below:

```
[wsadt209@usdfw23as120v FW-V4.5.0.0.0-Rollup]$ ls -ltrh
total 16K
drwxr-x--- 30 wsadt209 wladmin 4.0K Feb 15 2023 Database
drwxr-x--- 155 wsadt209 wladmin 8.0K Jul 3 04:41 Application
drwxr-x--- 2 wsadt209 wladmin 6 Jul 3 05:08 dbpatch_tools
[wsadt209@usdfw23as120v FW-V4.5.0.0.0-Rollup]$ pwd
/web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/ORMB_5.1_Binaries/Oracle_Utilities_Single_Fix/FW-V4.5.0.0.0-Rollup
```

<u>Step 3:</u> Run below command as it will require the bin directory from the mentioned Jar File in order to execute the Single Fix Patch for DB.

#### Jar -xvf db\_patch\_standalone.jar

Step 4: Export the mentioned environment variable.

export

TOOLSBIN=/web/workspace/RMB\_SIT\_Upgrade/ORMB\_5.1\_UPGRADE/ORMB\_5.1\_Binaries/Oracle \_Utilities\_Single\_Fix/FW-V4.5.0.0.0-Rollup/dbpatch\_tools/bin

Step 5: Go to the Install-upgrade Directory and Run below command:

#### ./ouafDatabasePatch.sh

Pass below parameters once prompted:



Enter the target database type (O/M/D) [O]: O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209

Note: You will get below prompt, just copy paste the same data for all the prompts:

<u>Patch 4</u>: Oracle Utilities Application Framework V4.5.0.0.0 Single Fix Prerequisite Rollup for RMB V5.0.0.0.0 - Application (V1034200-01) (Execute on Each APP Nodes)

Step 1: Unzip the Required Patch and provide the Executable permissions.

Step 2: Run the below mentioned command:

### ./installSFgroup.sh

The following message appears in the command line: Ready to process patches, Do you want to continue? (Y/N)

Type Y in the command line, and then press Enter.

#### **Start Screenshot:**



```
[wsadt209@usdfw23as121v Application]$ ./installSFgroup.sh
See Installation Log in BUGLIST.txt.RMBT209.install.log
240703:044756 <info> Update version from patch: V4.5.0.0.0.
240703:044756 <info> Currently installed version in environment: V4.5.0.0.0.
240703:044756 <info> Compatible update version found.
240703:044756 <info> Writing log to: /web/bea_apps/oltt209/RMBT209/logs/system/initialSetup.log
240703:044756 <info> Starting initialSetup.plx
Use of uninitialized value $_ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
 line 242.
240703:044756 <info>
240703:044756 <info> initialSetup.plx execution time: 2024-07-03-0447
 Use of uninitialized value 💲 in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
line 242.
240703:044756 <info>
 >>> Calculating additional variables ... done.
>>> Backup /web/bea_apps/oltt209/RMBT209/etc/ENVIRON.INI to /web/bea_apps/oltt209/RMBT209/etc/ENVIRON.INI_20240703_0447 ... don
  >>> Writing variables to /web/bea apps/oltt209/RMBT209/etc/ENVIRON.INI ... done.
 >>> Calculating additional variables ... done.
>>> Backup /web/bea_apps/oltt209/RMBT209/etc/ENVIRON.INI to /web/bea_apps/oltt209/RMBT209/etc/ENVIRON.INI_20240703_0447 ... don
  >>> Writing variables to /web/bea_apps/oltt209/RMBT209/etc/ENVIRON.INI ... done.
240703:044757 <info> Skipping extracting ant product folder because it exists already.
240703:044757 <info> Checking environment integrity ...
240703:044757 <info> Passed environment integrity checks.
240703:044757 <info> 240703:044757 <info> Processing jar structure file for product FW
240703:044757 <info> 240703:044757 <info> No jar structure file for product cm
240703:044757 <info> 240703:044757 <info> Processing template /web/bea_apps/oltt209/RMBT209/structures/FW_jars_structure.xml
240703:044757 <info> 240703:044757 <info> Processed template is written to /web/bea_apps/oltt209/RMBT209/structures/FW_jars_s
 tructure.xml.processed
240703:044757 <info> 240703:044757 <info> Completed sucessfully
240703:044757 <info> 240703:044757 <info> Processing jar structure file for product FW
240703:044757 <info> 240703:044757 <info> No jar structure file for product cm
 240703:044757 <info> 240703:044757 <info> Processing template /web/bea_apps/oltt209/RMBT209/structures/FW_war_structure.xml
```

#### **End Screenshot:**

```
240703:050412 <info> BUILD SUCCESSFUL
Total time: 9 seconds
240703:050412 <info> Build was successful.
240703:050412 <info> Build was successful.
240703:050412 <info> Removing /web/bea_apps/oltt209/RMBT209/splapp/applications/ThreadPoolWorker.ear
240703:050413 <info> Packaging language packs.
240703:050413 <info> Polder /web/bea_apps/oltt209/RMBT209/languagepacks does not exit, skipping packaging language packs.
Use of uninitialized value $ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
line 242.
240703:050413 <info> Initial Setup execution time: 56 seconds.
Use of uninitialized value $ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
line 242.
240703:050413 <info> Initial Setup completed successfully.
Use of uninitialized value $ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
line 242.
240703:050413 <info> Initial Setup completed successfully.
Use of uninitialized value $ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
line 242.
240703:050413 <info> Initial Setup completed successfully.
Use of uninitialized value $ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib/5.38.2/Getopt/Std.pm
line 242.
240703:050413 <info> Group installation of single fixes from the file BUGLIST.txt is complete!
240703:05:04:13 <info> Group installation of single fixes from the file BUGLIST.txt is complete!
240703.05:04:13 <info> To start the environment, execute the following command:
240703.05:04:13 <info> /web/bea_apps/oltt209/RMBT209/bin/splenviron.sh -e RMBT209 -c spl.sh start
```



# <u>Patch 5</u>: Oracle Revenue Management and Billing V5.0.0.0.0 Multiplatform (V1034198-01) (Execute on Each APP Nodes)

Step 1: Unzip the Required Patch and provide the Executable permissions.

Step 2: Run the below mentioned command:

#### ./install.sh

Type P in the command line, and then press Enter.

#### **Start Screenshot:**

### **End Screenshot:**

```
240703:081841 <info>
                                                                                                              240703:081841 <info>
                                                                                                                                                                                                                                                       [echo] ...Finished building EarWebBuilder EAR file.
   240703:081841 <info>
                                                                                                               240703:081841 <info>
   240703:081841 <info>
                                                                                                               240703:081841 <info>
                                                                                                                                                                                                                           all:
                                                                                                              240703:081841 <info>
240703:081841 <info>
240703:081841 <info>
  240703:081841 <info>
240703:081841 <info>
                                                                                                                                                                                                                            BUILD SUCCESSFUL
    240703:081841 <info>
                                                                                                                                                                                                                             Total time: 37 seconds
   240703:081841 <info>
                                                                                                              240703:081841 <info>
                                                                                                                                                                                                                            Build was successf
  240703:081841 <info> 240703:081841 <info> WebLogic ThreadPoolWorker is not enabled
240703:081841 <info> 240703:081841 <info> 240703:081841 <info> Removing /web/bea_apps/oltt209/RMBT209/splapp/applications/ThreadPoolWorker.ear
240703:081842 <info> 240703:081842 <info> Packaging language packs.
    240703:081842 <info> 240703:081842 <info> Folder /web/bea_apps/oltt209/RMBT209/languagepacks does not exit, skipping packagin
 y language packs.

240703:081842 <info> Use of uninitialized value $_ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib
/5.38.2/Getopt/Std.pm line 242.

240703:081842 <info> 240703:081842 <info
240/03:081842 <unfo> Use of uninitialized value $_ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib /5.38.2/Getopt/Std.pm line 242. 240703:081842 <info> 240703:081842 <info> 240703:081842 <info> 240703:081842 <info> 240703:081842 <info> Initial Setup completed successfully. 240703:081842 <info> Use of uninitialized value $_ in pattern match (m//) at /web/workspace/baseinstall/oracle/19.3.0/perl/lib /5.38.2/Getopt/Std.pm line 242. 240703:081842 <info> 240703:081
 240703:081842 <info> initialSetup completed.
240703:081842 <info> (CB installation completed successfully, see the log /web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/ORMB
_5.1_Binaries/Multiplatform/ORMB.V5.1.0.0.0/install_CCB_RMBT209.log
Executing: /web/bea_apps/oltt209/RMBT209/bin/splenviron.sh -e RMBT209
JAVA_HOME=/web/bea/oltt209/JAVA
```



<u>Patch 6</u>: Oracle Revenue Management and Billing V5.0.0.0.0 Oracle Database (V1034199-01)

Step 1: Unzip the Patch and Export below environment variable using the following commands:

#### export

JAR\_PATH=/web/workspace/RMB\_SIT\_Upgrade/ORMB\_5.1\_UPGRADE/ORMB\_5.1\_Binaries/Oracle\_Database/RMB/jarfiles

export CLASS\_PATH=\${JAR\_PATH}/commons-collections-3.2.2.jar:\${JAR\_PATH}/commons-codec-1.15.jar:\${JAR\_PATH}/commons-cli-1.4-c12260c.jar:\${JAR\_PATH}/ojdbc8-19.3.0.0.0.jar:\${JAR\_PATH}/spl-shared-4.5.0.0.0.jar:\${JAR\_PATH}/log4j-core-2.17.1.jar:\${JAR\_PATH}/log4j-api-2.17.1.jar:\${JAR\_PATH}/spl-oradbi-4.5.0.0.1.jar:\${JAR\_PATH}/jackson-annotations-2.14.0-rc2.jar:\${JAR\_PATH}/jackson-core-2.14.0-rc2.jar:\${JAR\_PATH}/jackson-databind-2.14.0-rc2.jar

Step2: Execute the OraDBI (Java) utility using the following command:

#### cd

/web/workspace/RMB\_SIT\_Upgrade/ORMB\_5.1\_UPGRADE/ORMB\_5.1\_Binaries/Oracle\_Data base/RMB/Upgrade/Oracle/Install-Upgrade

\${JAVA\_HOME}/bin/java -Xmx1500M -cp \${CLASS\_PATH}
com.oracle.ouaf.oem.install.OraDBI -d
jdbc:oracle:thin:@USDFW34DB05V.mrshmc.com:3205:oltt209,cisadm,
<CISADM\_PWD>,CISUSER,CISREAD,CIS\_USER,CIS\_READ,cisadm -p
<CISADM\_PWD>,<CISADM\_PWD> -l 1,2 -q true -o

**Start Screenshot:** 



#### **End Screenshot:**

```
Connecting to the Target Database as user CISUSER
- 2024-07-03 08:51:49,460 [main] INFO (oem.install.OraGenSec) The driver is 19.3.0.0.0
- 2024-07-03 08:51:49,460 [main] INFO (oem.install.OraGenSec) The DBMS is Oracle Database 19c Enterprise Edition Release 19
 0.0.0.0 - Production
Version 19.23.0.0.0
- 2024-07-03 08:51:49,460 [main] INFO (oem.install.0raGenSec)
Connecting to the Target Database as user CISREAD
  - 2024-07-03 08:51:49,526 [main] INFO (oem.install.OraGenSec) The driver is 19.3.0.0.0
- 2024-07-03 08:51:49,526 [main] INFO (oem.install.OraGenSec) The DBMS is Oracle Database 19c Enterprise Edition Release 19
.0.0.0.0 - Production
Version 19.23.0.0.0
        2024-07-03 08:51:49,526 [main] INFO (oem.install.OraGenSec)
Connecting to the Target Database as user CISADM
- 2024-07-03 08:51:49,594 [main] INFO (oem.install.OraGenSec) The driver is 19.3.0.0.0
- 2024-07-03 08:51:49,594 [main] INFO (oem.install.OraGenSec) The DBMS is Oracle Database 19c Enterprise Edition Release 19
.0.0.0.0 - Production
Version 19.23.0.0.0
        2024-07-03 08:51:50,077 [main] INFO (oem.install.OraGenSec)
Generating Security ...
- 2024-07-03 08:52:33,602 [main] INFO (oem.install.OraDBI)
Storing Database Credential with ecncrypted password...
- 2024-07-03 08:52:33,903 [main] INFO (oem.install.OraDBI)
The following duplicates were found in table CI_MD_MO_OPT:
- 2024-07-03 08:52:33,903 [main] INFO (oem.install.OraDBI) MAINT_OBJ_CD=TENG
- 2024-07-03 08:52:34,134 [main] INFO (oem.install.OraDBI)
Install/Upgrade of Database Rel.V5.1.0.0.0 Completed Sucessfully, Now Exiting ...
                                                                                                                 MAINT_OBJ_CD=TENDER TYPE, MAINT_OBJ_OPT_FLG=F1BP, SEQ_NUM=1
- 2024-07-03 08:52:34,134 [main] INFO (oem.install.OraDBI) Process Completed Sucessfully, Now Exiting ...
wsadt209:usdfw23as120v:/web/workspace/RMB_SIT_Upgrade/ORMB_5.1_UPGRADE/ORMB_5.1_Binaries/Oracle_Database/RMB/Upgrade/Oracle/Ins
tall-Upgrade>
```



### Mandatory and Migration Rollup Patches

### Mandatory Patch 1: p35162465

Step 1: Unzip the MultiPlatform.zip

Step 2: Run below command:

jar -xvf CCB.V5.1.0.0.0-35162465.jar

For Application Patch, Go to CCB.V5.1.0.0.0-35162465

**Run on All Application Nodes:** 

./installSF.sh

For Database Patch, Go to database directory Database Node:

./ouafDatabasePatch.sh

Pass below parameters once prompted:

Enter the target database type (O/M/D) [O]: O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209

### Mandatory Patch 2: p35168266

Step 1: Unzip the MultiPlatform.zip

Step 2: Run below command:

jar -xvf CCB.V5.1.0.0.0-35168266.jar

For Application Patch, Go to CCB.V5.1.0.0.0-35168266

**Run on All Application Nodes:** 

./installSF.sh

For Database Patch, Go to database directory

Database Node:

./ouafDatabasePatch.sh



Pass below parameters once prompted:

Enter the target database type (O/M/D) [O]: O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209

### Mandatory Patch 3: p35250817

Step 1: Unzip the MultiPlatform.zip

Step 2: Run below command:

jar -xvf CCB.V5.1.0.0.0-35250817.jar

For Application Patch, Go to CCB.V5.1.0.0.0-35250817

**Run on All Application Nodes:** 

./installSF.sh

For Database Patch, Go to database directory Database Node:

./ouafDatabasePatch.sh

Pass below parameters once prompted:

Enter the target database type (O/M/D) [O] : O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209

### **Migration Patches:**

p31437274

p32359347

p34203584

p35168757

### Output of Migration Patches:



p32359347

PL/SQL procedure successfully completed.

2 rows updated.

1 row updated.

1 row updated.

p34203584

PL/SQL procedure successfully completed.

0 rows updated.

0 rows updated.

Commit complete.

p35168757

0 rows inserted.

0 rows updated.

Run InitalSetup.sh and iwsdeploy.sh on Both the APP Nodes.

### Post Upgrade Steps

### After upgrade below statement needs to be executed

Note1: If any of the above table or column does not exist in the database, ignore the error message and proceed further.

Note2: If there is any data in below mentioned table, kindly take the backup and proceed further.

ALTER TABLE CI\_BSEG\_CALC\_LN DROP COLUMN PRICEITEM\_PARM\_GRP\_ID;

ALTER TABLE CI\_TXN\_REC\_TYPE DROP COLUMN RULE\_VAL\_ALG\_CD;

ALTER TABLE CI\_CC DROP COLUMN DESCR254;

ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN AGG\_FREQ;

ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN CIS\_DIVISION;

ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN FINAL\_PRICE\_ITEM\_CD;

ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN FINAL\_TOU\_CD;

ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN INITIAL\_PRICE\_ITEM\_CD;



ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN INTIAL\_TOU\_CD;
ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN TXN\_END\_DT;
ALTER TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY DROP COLUMN TXN\_M softwareYYY;
DROP TABLE CI\_ACCT\_EXTN;
DROP TABLE CI\_ACCT\_EXTN\_K;
DROP TABLE CI\_CIS\_DIV\_EXT;

DROP TABLE CI\_PER\_EXTN;
DROP TABLE CI\_PER\_EXTN\_K;
DROP TABLE CI\_TXN\_DTL\_PRITM\_SUMMARY\_GTT;
DROP TABLE CI\_TXN\_DTL\_PRITM\_VP\_CHUNK\_GTT;
DROP TABLE CI\_TXN\_DTL\_PRITM\_VP\_GTT;
DROP TABLE CI\_TXN\_DTL\_PRITM\_VP\_GTT;
DROP TABLE SNP\_CHECK\_TAB;

Kindly Undeploy and Re-Deploy all the Applications.

### Hash-Key Generation

Reset the hashkey by running below command:

perl run\_java\_standalone.plx com.splwg.shared.common.ResetCryptographyKey

Run below commands:

### ./initialSetup.sh

./iwsdeploy.sh

Kindly Undeploy and Re-Deploy all the Applications.

### Missing/Extra Patches



### Patch 1: 35682098

Once you unzip the Patch, provide the Executable Permissions and Run the below command.

### **Run on All Application Nodes:**

./installSF.sh

For Database Patch, Go to database directory Database Node:

./ouafDatabasePatch.sh

Pass below parameters once prompted:

Enter the target database type (O/M/D) [O]: O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209

### Patch 2: 35784758

Once you unzip the Patch, provide the Executable Permissions and Run the below command.

### **Run on All Application Nodes:**

./installSF.sh

For Database Patch, Go to database directory Database Node:

./ouafDatabasePatch.sh

Pass below parameters once prompted:

Enter the target database type (O/M/D) [O]: O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209



### Patch 3: 36214760

Once you unzip the Patch, provide the Executable Permissions and Run the below command.

### **Run on All Application Nodes:**

./installSF.sh

For Database Patch, Go to database directory Database Node:

./ouafDatabasePatch.sh

Pass below parameters once prompted:

Enter the target database type (O/M/D) [O]: O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209

### Patch 4: 36451019

Once you unzip the Patch, provide the Executable Permissions and Run the below command.

### **Run on All Application Nodes:**

./installSF.sh

For Database Patch, Go to database directory Database Node:

./ouafDatabasePatch.sh

Pass below parameters once prompted:

Enter the target database type (O/M/D)[O]:O

Enter the username that owns the schema: CISADM

Enter the password for the user: Password

Enter the name of the Oracle Database Connection String:

//USDFW34DB05V.mrshmc.com:3205/oltt209



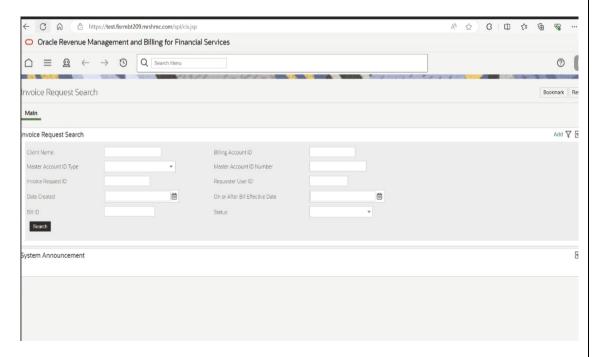
### Sanity

1. Run below commands:

### ./initialSetup.sh

./iwsdeploy.sh

- 2. Kindly Undeploy and Re-Deploy all the Applications.
- 3. Clear the cache/tmp/stage directory on all the App Nodes
- 4. Start all the Services.
- 5. Test all the required URLs (F5 and Node URLs) and try to login. (Will work on Chrome only because of EMSL Issue on Edge Browser)



- 6. Also, do the required Sanity by shutting down one Node and kept the other Node Running. Will help us if any Node is faulty or Not.
- 7. <u>Post-Upgrade Properties Check:</u>
  - 1. \$SPL\_HOME/bin
  - 2. find . -iname \*.properties

./etc/conf/tpw/spl.properties
./etc/conf/tpw/log4j2.properties
./etc/conf/tpw/hibernate.properties
./etc/conf/tpw/threadpoolworker.properties
./etc/conf/service/log4j2.properties



./etc/conf/service/spl.properties ./etc/conf/service/hibernate.properties ./etc/conf/ohelp/spl.properties ./etc/SAMPLE-BATCH.properties ./product/apache-ant/lib/libraries.properties ./splapp/applications/help/ENG/dita.xml.properties ./splapp/businessapp/properties/log4j2.properties ./splapp/businessapp/properties/spl.properties ./splapp/standalone/config/log4j2.properties ./splapp/standalone/config/e0Batch.properties ./splapp/standalone/config/tpwlog4j2.properties ./splapp/standalone/config/hibernate.properties ./splapp/standalone/config/submitbatchlog4j2.properties ./splapp/standalone/config/threadpoolworker.properties ./splapp/standalone/config/submitbatch.properties ./splapp/standalone/config/spl.properties ./splapp/tpw/properties/spl.properties ./splapp/tpw/properties/log4j2.properties ./splapp/tpw/properties/hibernate.properties ./splapp/tpw/properties/threadpoolworker.properties ./splapp/iws/config/log4j2.properties ./splapp/iws/config/spl.properties ./splapp/iws/config/iwsdeploy-log4j2.properties ./splapp/iws/config/hibernate.properties ./splapp/iws/gen/versions.properties ./splapp/iws/gen/config/log4j2.properties ./tools/bin/db/config/log4j.properties

8. Compare all the above-mentioned properties file and their required template.

### Template Files:



com.oracle.ouaf.system.keystore.hmac\_key\_alias=@KS\_HMAC\_ALIAS@ ## Trust Store properties com.oracle.ouaf.system.truststore.file=@force\_forward\_slash(TS\_KEYSTORE\_FILE)@ com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOR EPASS\_FILE)@ com.oracle.ouaf.truststore.type=@TS\_STORETYPE@ ouaf.timeout.service.default=3600 ouaf.timeout.business service.default=3600 ouaf.timeout.business\_object.default=3600 ouaf.timeout.service.CILQCSTP=3600 ouaf.timeout.script.default=3600 ouaf.timeout.guery.default=3600 com.oracle.ouaf.uriCacheTTL.secs=3600 spl.runtime.disableCSRFProtection=true com.oracle.ouaf.uriValidation.enable=@CLOUD\_RESTRICTION\_URLS\_ENABLE@ **NEW FILE PARAMETERS:** +++++++++++++++++ com.oracle.ouaf.uriValidation.enable=true \_\_\_\_\_\_ File Name: \$SPL\_HOME/template/hibernate.properties.web.template \_\_\_\_\_\_ **OLD FILE PARAMETERS:** +++++++++++++++++ hibernate.ucp.connection\_wait\_timeout=50 **NEW FILE PARAMETERS:** ++++++++++++++++ hibernate.ucp.connection\_wait\_timeout=5 File Names: \$\$PL\_HOME/template/threadpoolworker.properties.wltpw.template \$\$PL\_HOME/template/threadpoolworker.job.be.template \$\$PL\_HOME/template/threadpoolworker.be.template \$\$PL\_HOME/template/threadpoolworker.sh.template \_\_\_\_\_\_ OLD FILE PARAMETERS: (Below paramters are missing in the above mentioned file)



++++++

### # Keystore properties

 $com. oracle. ouaf. system. keystore. file=@force\_forward\_slash (KS\_KEYSTORE\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=@force\_forward\_slash (KS\_STORE PASS\_FILE) @ com. oracle. ouaf. system. keystore. passwordFileName=... system. keystore. password$ 

com.oracle.ouaf.system.keystore.type=@KS\_STORETYPE@

com.oracle.ouaf.system.keystore.alias=@KS\_ALIAS@

com.oracle.ouaf.system.keystore.padding=@KS\_PADDING@

com.oracle.ouaf.system.keystore.mode=@KS\_MODE@

com.oracle.ouaf.system.keystore.hmac\_key\_alias=@KS\_HMAC\_ALIAS@

## Trust Store properties

 $com.oracle.ouaf.system.truststore.file=@force\_forward\_slash(TS\_KEYSTORE\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE)@com.oracle.ouaf.system.truststore.passwordFileName=@force\_forward\_slash(TS\_STOREASS\_FILE).$ 

com.oracle.ouaf.truststore.type=@TS\_STORETYPE@

File Name: \$SPL\_HOME/template/submitbatch.be.template

\_\_\_\_\_

OLD FILE PARAMETERS: (Below paramters are missing in the above mentioned file)

++++++

### # Keystore properties

 $com.oracle.ouaf.system.keystore.file=@force\_forward\_slash(KS\_KEYSTORE\_FILE)@com.oracle.ouaf.system.keystore.passwordFileName=@force\_forward\_slash(KS\_STORE_PASS\_FILE)@$ 

com.oracle.ouaf.system.keystore.type=@KS\_STORETYPE@

com.oracle.ouaf.system.keystore.alias=@KS\_ALIAS@

com.oracle.ouaf.system.keystore.padding=@KS\_PADDING@

com.oracle.ouaf.system.keystore.mode=@KS\_MODE@

com.oracle.ouaf.system.keystore.hmac\_key\_alias=@KS\_HMAC\_ALIAS@

#### Properties\_Files:

\_\_\_\_\_

#### File Names:

\$SPL\_HOME/splapp/businessapp/properties/spl.properties

\$SPL\_HOME/etc/conf/tpw/spl.properties

\$\$PL\_HOME/etc/conf/service/spl.properties

\$SPL\_HOME/splapp/standalone/config/spl.properties

\$SPL\_HOME/splapp/tpw/properties/spl.properties



# \$SPL HOME/splapp/iws/config/spl.properties (Below paramters are missing in the upgraded env) ouaf.timeout.service.default=3600 ouaf.timeout.business\_service.default=3600 ouaf.timeout.business\_object.default=3600 ouaf.timeout.service.CILQCSTP=3600 ouaf.timeout.script.default=3600 ouaf.timeout.query.default=3600 com.oracle.ouaf.uriCacheTTL.secs=3600 spl.runtime.disableCSRFProtection=true File Name: \$\$PL\_HOME/etc/conf/tpw/hibernate.properties \$SPL\_HOME/etc/conf/service/hibernate.properties \$\$PL\_HOME/splapp/standalone/config/hibernate.properties \$SPL\_HOME/splapp/iws/config/hibernate.properties \_\_\_\_\_\_ **OLD FILE PARAMETERS:** +++++++++++++++++ hibernate.ucp.connection wait timeout=50 **NEW FILE PARAMETERS:** +++++++++++++++++ hibernate.ucp.connection\_wait\_timeout=5 File Name: \$SPL HOME/etc/conf/tpw/threadpoolworker.properties \$\$PL\_HOME/splapp/standalone/config/threadpoolworker.properties \$SPL\_HOME/splapp/standalone/config/submitbatch.properties

(Below paramters are missing in the upgraded env)



com.oracle.ouaf.system.keystore.file=/web/bea\_apps/oltt209/RMBT209/ks/.ouaf\_keystore

<u>com.oracle.ouaf.system.keystore.passwordFileName=/web/bea\_apps/oltt209/RMBT209/ks/.ouaf\_storepass</u>

com.oracle.ouaf.system.keystore.type=JCEKS

com.oracle.ouaf.system.keystore.alias=ouaf.system

com.oracle.ouaf.system.keystore.padding=PKCS5Padding

com.oracle.ouaf.system.keystore.mode=CBC

com.oracle.ouaf.system.keystore.hmac\_key\_alias=ouaf.system.hmac

File Name:

\$SPL\_HOME/etc/conf/ohelp/spl.properties

(Below paramters are missing in the upgraded env) spl.runtime.disableCSRFProtection=true

- 9. Kindly add the customized parameters after the upgrade as show in above properties and template files.
- 10. Once above Steps done, again follow Sanity Steps 1-5.

