Payments Installation Checklist
Oracle Banking Payments
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Oracle Banking Payments WebLogic Server Configuration Checklist
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Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax:+91 22 6718 3001
www.oracle.com/financialservices/

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1. Preface

1.1 Introduction

This document briefs the list of checklists to validate Payments Installation, to make it compatible to Oracle Banking Payments 14.3.

1.2 Audience

This document is intended for the following audience:

- Implementation & IT Staff

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc .

2. Payments Installation Checklist

2.1 Checklist for Installation on WebLogic Server

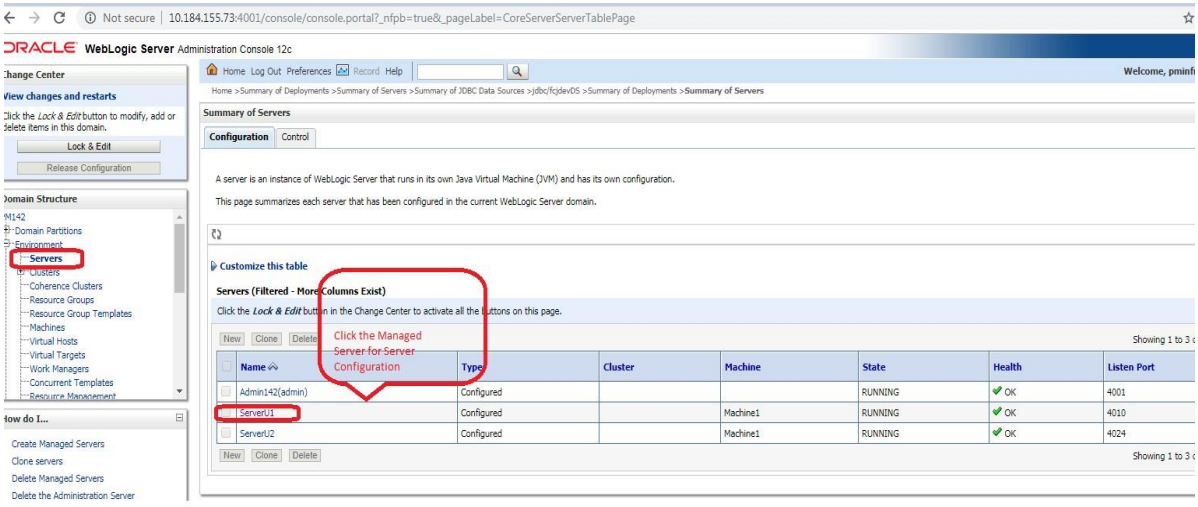
Below are the list of steps to validate Server Configuration post successful installation of OBPM:

1. Check the WebLogic version, JDK version on the Application server and Oracle Client version. The versions should be as per the latest certified version specified in the Release document.
2. Below WebLogic, parameters should be checked as part of OBPM Installation for the WebLogic Domain created.

    a. Under Domain--> Configuration Tab --> Web Applications
    b. Options 'JSP Compiler Backwards Compatible' and 'Archived Real Path Enabled' should be checked.
3. Missing Server Id setup at server start-up for single server or cluster installations.

    Identify the Managed Server in which the Application EAR is deployed

    a. Login to the WebLogic Console
    b. Navigate to Environment --> Servers
    c. From the List of Servers, locate and click on the Managed Server in which the Application EAR is deployed



Verifying Arguments for Reference Number Generation

a. After clicking the Managed Server, navigate to 'Server Start' tab under the 'Configuration Tab'
b. Verify the Arguments as shown below

-Dserver.id=1

c. In case of cluster setup, each managed server, which is part of the cluster where the application is deployed, should have a different server id.
For eg for Managed server, “Server1” the value should be given as

-Dserver.id=1

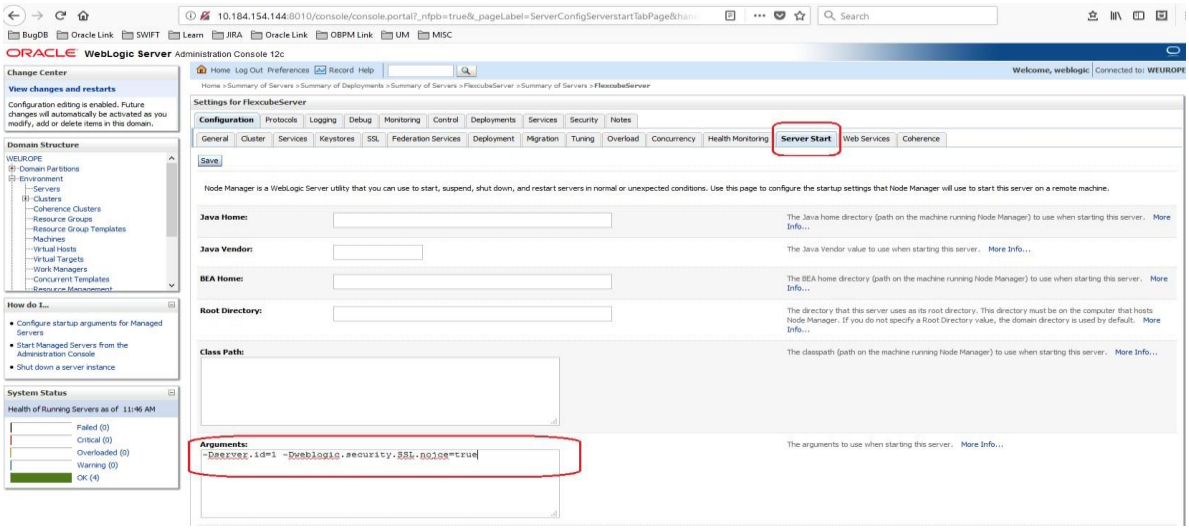
For Managed server Server2, the value should be given as

-Dserver.id=2

Different values can be given for managed server upto 99.

Note

Parameter ‘-Dserver.id=1’ is required for the Reference Number Generation in OBPM Transaction screens. If not set, OBPM Transaction screens on launch will report Error on click of NEW



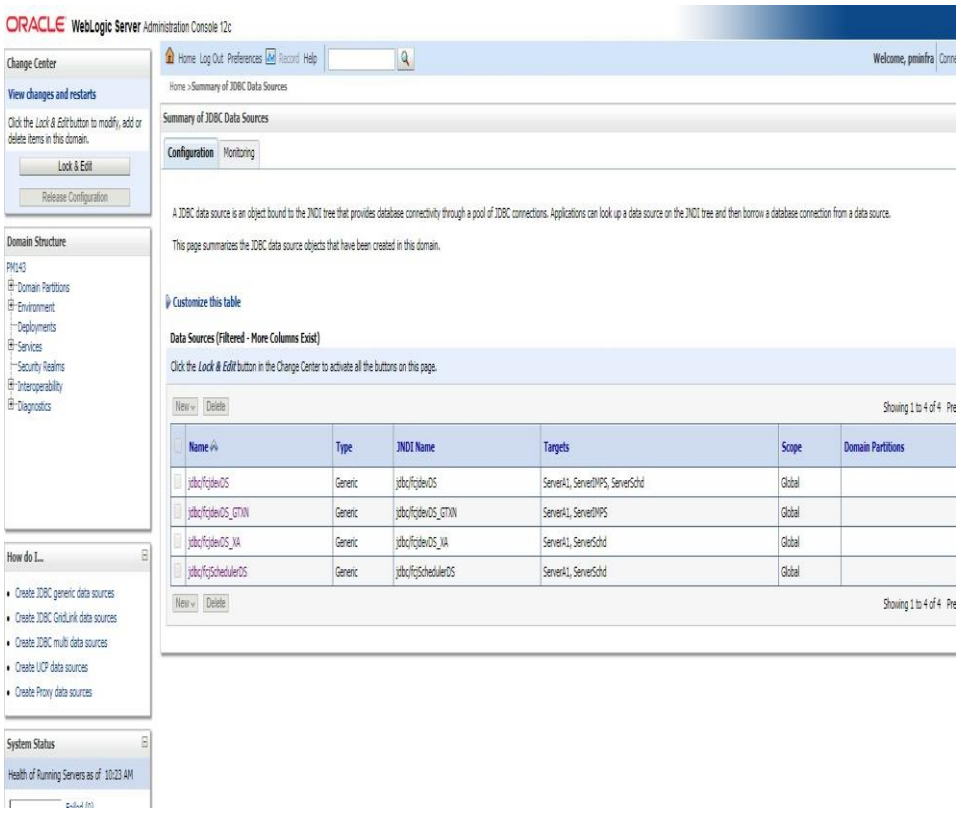
4. Data Source Setup Verification

a. Navigate to the Data Sources Configuration.
b. Below Data Sources must be mapped in the Data Sources Configuration.

i. Jdbc/fcjdevDS
ii. Jdbc/fcjdevDS_GTXN
iii. Jdbc/fcjdevDS_XA

c. Additional Data Sources for Co-deployed

i. jdbc/fcjdevDS_ASYNC

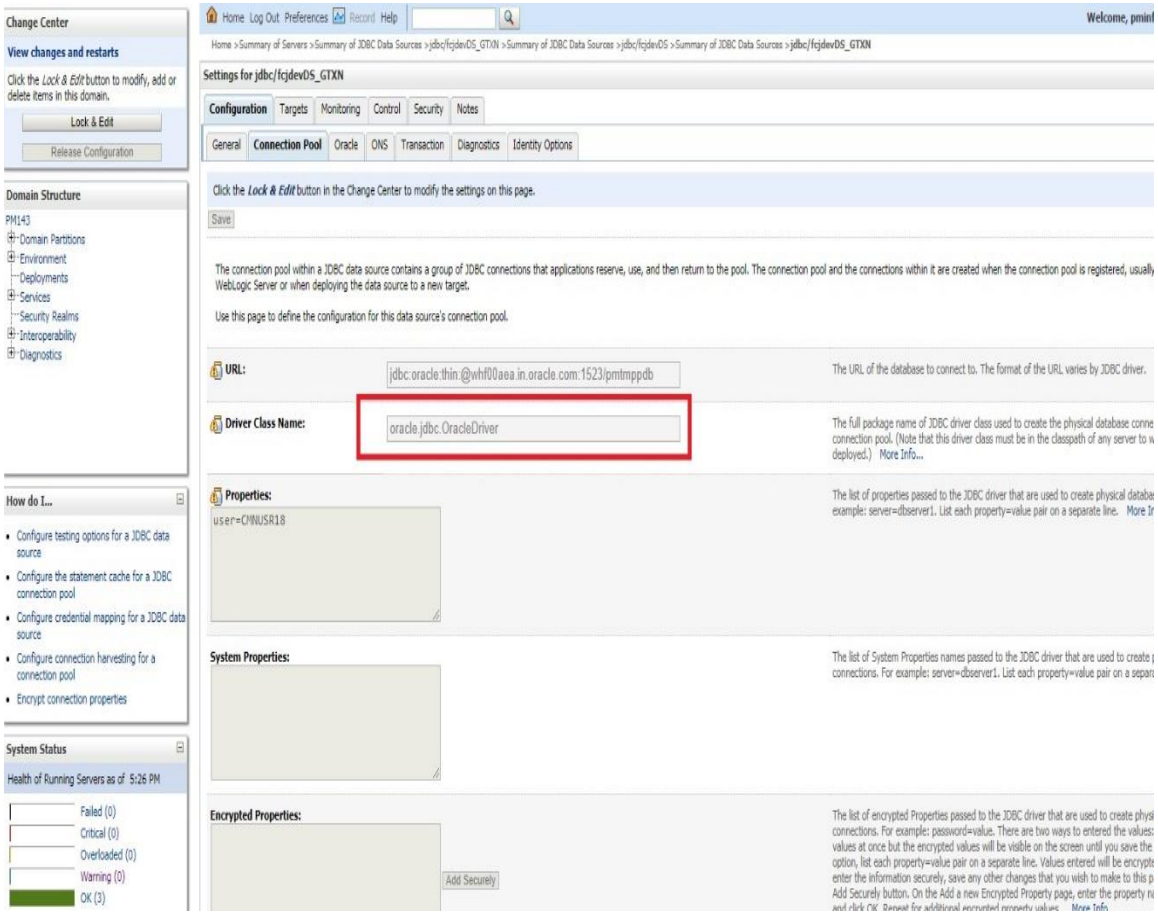


d. Below listed Data Sources must be configured as NXA (Please refer to the below screenshot for Jdbc/fcjdevDS_GTXN)

   i. Jdbc/fcjdevDS
   ii. Jdbc/fcjdevDS_GTXN
   iii. jdbc/fcjdevDS_ASYNC

e. Below listed Data Sources must be configured as XA

   i. Jdbc/fcjdevDS_XA



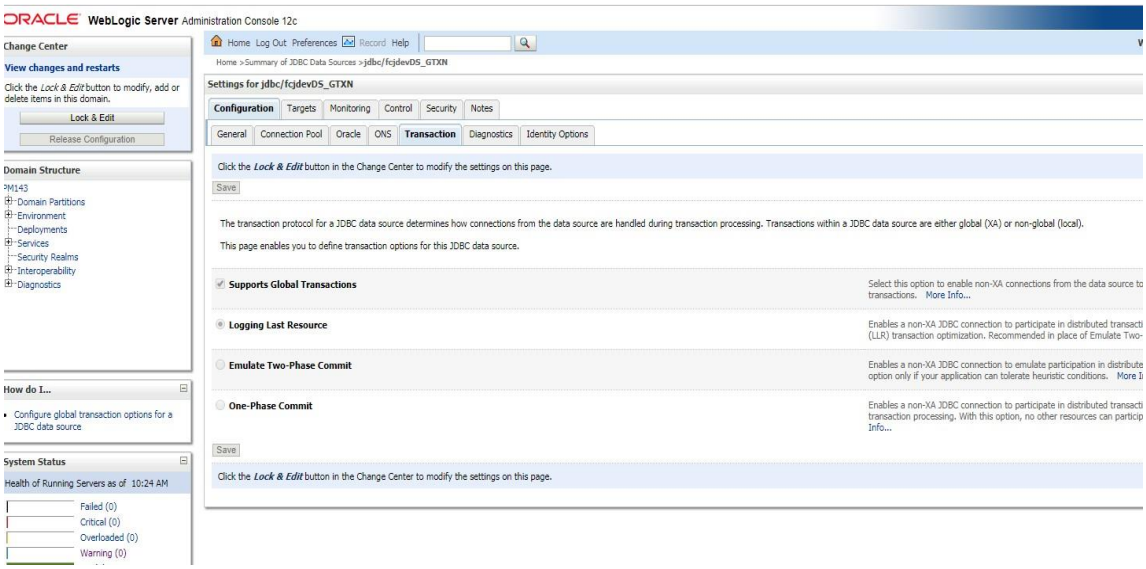
f. Below options must be enabled for the GTXN Data Source - Jdbc/fcjdevDS_GTXN

   i. Supports Global transactions
   ii. Logging Last Resource

During creation of this datasource a table will be created in the connected database with the table name as WL_LLR_||'managed_server_name'

Here the managed server will be the name of the target server associated with the datasource.

For JDBC LLR 2PC transactions, if the transaction data is too large to fit in the LLR table, the transaction will fail with a rollback exception during commit. This can occur if your application adds many transaction properties during transaction processing. In this case, the database administrator can drop the existing table and create a new LLR table with the same name or alter the column with larger recSize value for RECORDSTR data column. The RECORDSTR data column must be the DBMS's variable string column type with the DBMS's maximum size. In this way, the DBMS allocates as much space as the data needs for a given row.



5. Target Server for Datasources created

    a. If Payments EAR is deployed with embedded Scheduler, all datasources should point to the single Managed Server, where the application is deployed.
    b. If Payments EAR and Scheduler EAR are deployed on two different Servers

        i. Below datasources should be targeted to Managed Server where application is deployed.

            jdbc/fcjdevDS
            jdbc/fcjdevDS_GTXN
            jdbc/fcjdevDS_XA

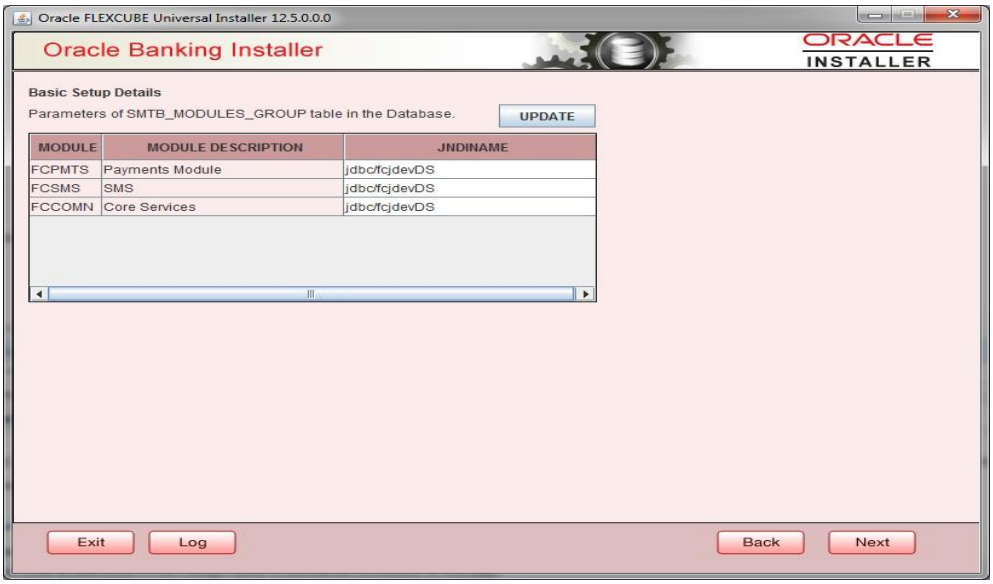
        ii. Below datasources should be targeted to Managed Server where Scheduler is deployed.

            jdbc/fcjdevDS
            jdbc/fcjdevDS_XA

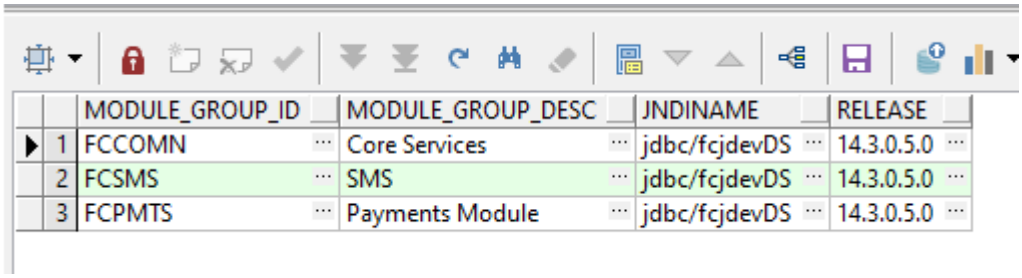
6. Verifying data in SMTB_MODULES_GROUP Table

    i. JNDI Names Input during Installation process must be verified with records in the SMTB_MODULES_GROUP table
    ii. JNDI name provided here should be created on console.

Below is the screenshot of Data Input during installation



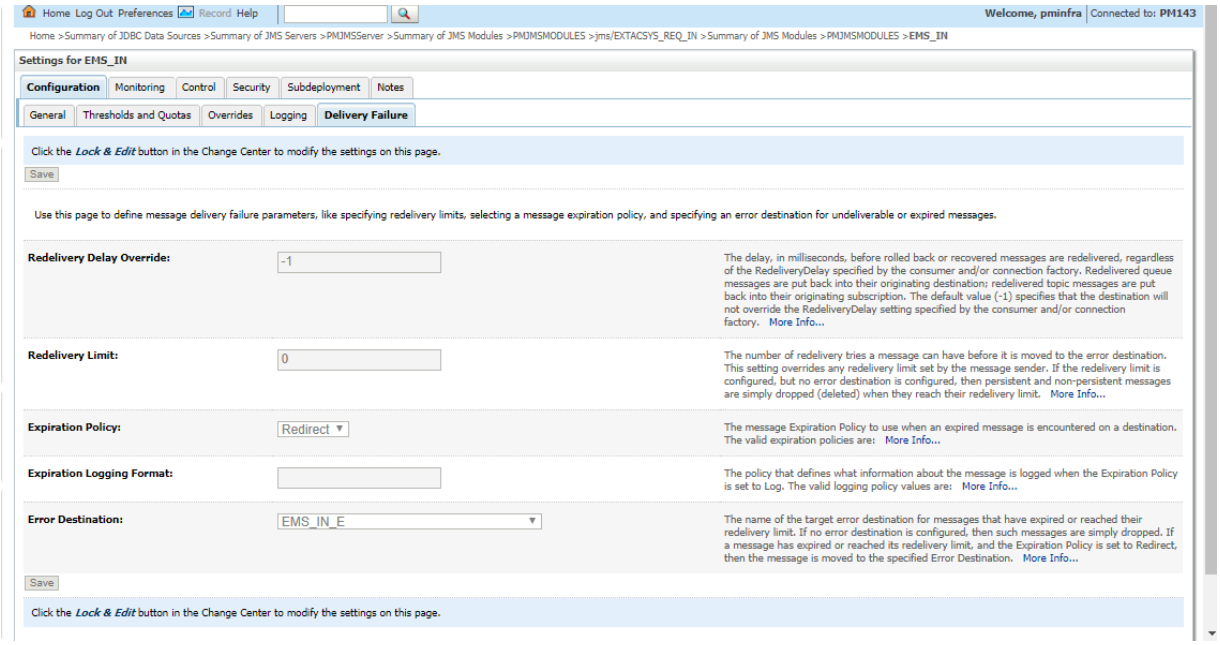
Below is the screenshot of records in the SMTB_MODULES_GROUP table



	MODULE_GROUP_ID	MODULE_GROUP_DESC	JNDINAME	RELEASE
1	FCCOMN	Core Services	jdbc/fcjdevDS	14.3.0.5.0
2	FCSMS	SMS	jdbc/fcjdevDS	14.3.0.5.0
3	FCPMTS	Payments Module	jdbc/fcjdevDS	14.3.0.5.0

7. All queues mentioned in the Resource List should be mandatorily created. For all queues where Error queue needs to be defined, the below setting should be done.

    a. ‘Expiration Policy’ should be maintained as ‘Redirect’ and ‘Error Destination’ as the error Queue. Keep Redelivery Limit as zero.



8. In case of Standalone and co-deployed setup for Payments, the below external queues should have the setup as mentioned

jms/SNCK_RES_IN
jms/SNCK_RES_BKP_IN
jms/FP_SNCK_RES_IN
jms/FP_SNCK_RES_BKP_IN
jms/EXT_PRICE_RES_IN
jms/EXT_PRICE_RES_BKP_IN
jms/EXTACSYS_REQ_IN
jms/ECA_RES_BKP_IN
jms/FP_ECA_RES_BKP_IN
jms/ECA_RES_IN
jms/ACC_ENTRY_RES_BKP_IN
jms/ECR_RES_IN
jms/ECR_RES_BKP_IN
jms/EXTRATESYS_REQ_BKP_IN
jms/EXTRATESYS_REQ_IN

   a. Options Expiry Policy should be maintained as Redirect and error destination as Error queue in Delivery Failure. Keep Redelivery Limit as zero.

   b. In Tab Overrides, value for ‘Time-to-Live Override” should be maintained as 2000.

9. In case of co-deployed setup, for external queue MDB_QUEUE_RESPONSE, check if

   a. Options Expiry Policy is maintained as Redirect and error destination as jms/ACC_ENTRY_RES_BKP_IN in Delivery Failure. Redelivery Limit should be 0.

   b. In Tab Overrides, value for ‘Time-to-Live Override” should be maintained as 2000.

10. Check if following Gateway ears are deployed on the Application Server for co-deployed setup.

    - GW EJB
    - GW MDB

11. 'SYSTEM' user should be present and debug should be enabled in case debugs needs to be generated for checking the response error from FCUBS.

12. User role should be granted to SYSTEM user for the branch from where transaction is posted to MDB.

13. Check the maintenance for tables

    - PMTM_JOB_PARAM

        i. For Parameter PM.CTX.PROVIDER property maintain the below value"t3://Weblogic_IP:Server_Port" or t3://Host Name:Server_Port
        Here Host Name is the name of the Application Server or IP of the Application Server.
        Server_Port is the listen port configured on the application Managed Server where application is deployed.
        ii. For parameter PM.CTX.FACTORY value should be weblogic.jndi.WLInitialContextFactory

    - PMTM_SYSTEM_PARAMETERS

        i. For PARAM_NAME "PM.CTX.FACTORY", update the PARAM_VALUE as 'weblogic.jndi.WLInitialContextFactory'.
        ii. For PARAM_NAME "PM_CTX_PROVIDER", update the PARAM_VALUE for Non-Cluster setup as "t3://Weblogic_IP:Server_Port" or "t3://Host Name:Server_Port"
        and for Cluster setup as "t3://HOST NAME1: PORT 1, HOST NAME2:PORT 2"
            a. Here Host Name is the name of the Application Server or IP of the Application Server.
            b. Server_Port is the listen port configured on the application Managed Server where application is deployed.
        iii. For PARAM_NAME "PM.CTX.CONNFACTORY" the appropriate connection factory needs to be provided which is created in JMS Server for e.g jms/PMQCF.
        iv. For PARAM_NAME "C2B_FILE_PATH", give the C2B path maintained in the Application server.
        v. For PARAM_NAME "DD_FILE_PATH" property, give the DD path maintained in the Application server.
        vi. For PARAM_NAME "DEBUG_PATH" property, give the PM DEBUG path maintained in the Application server.
        vii. For PARAM_NAME "DISPATCH_PATH" property, give the DISPATCH path maintained in the Application server.

    - CSTB_PARAM

        i. Check if the below parameters PM.CTX.FACTORY, PM_CTX_PROVIDER and PM.CTX.CONNFACTORY exist in CSTB_PARAM. In case parameters exists, it should have the same value as in in PMTM_SYSTEM_PARAMETERS. The parameters need not be maintained

in case it's already maintained in PMTM_SYSTEM_PARAMETERS.

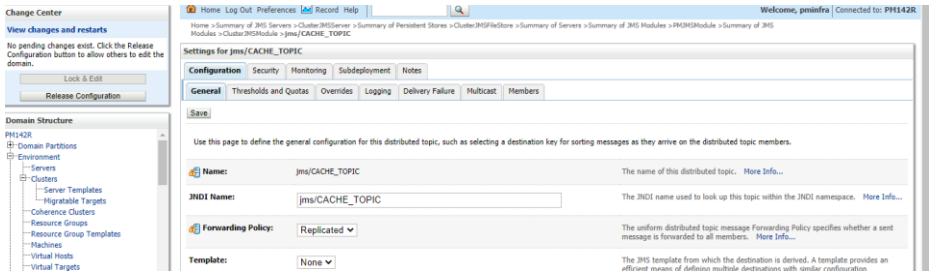
- CSTM_EXTERNAL_SERVER_DETAILS

  i. For field "CONTEXT_PROV_URL", update the values for Non-Cluster setup as "t3://Weblogic_IP:Server_Port" or "t3://Host Name:Server_Port"
  and for Cluster setup as "t3://HOST NAME1: PORT 1, HOST NAME2:PORT 2" in web-logic application server.

  iii. Value for QUEUE_FCTRY_JNDI should be 'jms/PMQCF'

  iv. Value for CACHE_QUEUE_JNDI should be 'jms/CACHE_TOPIC'

14. Please ensure the topic CACHE_TOPIC is created and present in the weblogic JMS Server. In case of cluster and non-cluster setup, the 'Forwarding policy' of the distributed Topic should be "Replicated" for the uniform Distributed Topic, otherwise the Caching would not work properly.



15. If External JSUIXML path is checked as required during property creation, all UIXML and JS files (plus copy of old Rolled-up JSUIXML) should be copied to the external path after EAR creation.

16. All EMS folders should be created on the Application server with full rights.

17. Check if the value for below EMS properties are correctly defined in fcubs.properties.

EMS_INIT_CTX_FACT=weblogic.jndi.WLInitialContextFactory

i. Non Cluster Setup

EMS_PRVDR_URL= t3://Weblogic_IP:Server_Port

t3://Weblogic_IP:Server_Port" or "t3://Host Name:Server_Port"

a. Here Host Name is the name of the Application Server Server or IP of the Application Server.
b. Server_Port is the listen port configured on the application Managed Server where application is deployed.

ii. Cluster Setup

In case of external load balancer, it should be the Host Name or IP and port of the Load balancer.

EMS_PRVDR_URL= t3://Weblogic_IP:Server_Port

In case of internal load balancer, specify the Host name and IP as below of all managed servers used in the Cluster

EMS_PRVDR_URL= t3://HOST NAME1: PORT 1, HOST NAME2:PORT 2

18. Debug paths should be created on the Application server with full rights. Data Store table CSTB_DEBUG_USERS should be populated with value Y if debug is to be generated for a logged in user.

19. Below maintenances should be done for both Co-deployed and Standalone. Details can be checked in FCUBS-OBPM Integration document.

    a. Sanctions System Maintenance (PMDSNCKM)
    b. ECA System Maintenance (PMDECAMT)
    c. Accounting System Maintenance (PMDACCMT)
    d. Queue Connection Profile Maintenance (PMDQPROF)