

FCUBS-OBPM Integration Setup Guide

Oracle FLEXCUBE Universal Banking

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FCUBS-OBPM Integration Setup Guide
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1. Introduction

1.1 About This Manual

This manual is designed to help with Integration for a Co-deployed Set-up of Oracle Banking Payments with Oracle FLEXCUBE Universal Banking.

1.2 Audience

This manual is intended for the following User/User Roles:

Role	Function
Implementation & IT Staff	Implementation & Maintenance of the Software

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>.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	Information about this Manual is specified in this section
Chapter 2	This chapter helps you co-deploy Oracle FLEXCUBE Universal Banking & Oracle Banking Payments product in a single instance.

1.5 Glossary

This User Manual may refer to the following terms:

Abbreviation	Description
FCUBS	Oracle FLEXCUBE Universal Banking
OBPM	Oracle Banking Payments

2. Integration Guide

2.1 Introduction

You can integrate Oracle Banking Payments product (OBPM) with Oracle FLEXCUBE Universal Banking product (FCUBS). The specific steps needed on the co-deployed installation of these two products and specific maintenances needed are briefed on this document.

2.2 Installation guide

Refer to Installation guide for understanding the property file and installation bat files used for integration between FCUBS and OBPM.

Web-logic set-up

Deployments:

Following ears to be deployed for the FCUBS Gateway support through JMS:

- ✓ GWEJB
- ✓ GWMDB

Queue Maintenance:

- MDB_QUEUE
- MDB_QUEUE_RESPONSE -with Expiry Policy as Redirect and error destination as jms/ACC_ENTRY_RES_BKP_IN in Delivery Failure. Keep Redelivery Limit as zero and "Time-to-Live Override" value as 2000.

To set the "Time-to-Live Override" property, navigate to MDB_QUEUE_RESPONSE -> Configuration-> Overrides Tab

Home > Summary of JMS Modules > PMJMSMODULES > MDB_QUEUE_RESPONSE

Settings for MDB_QUEUE_RESPONSE

Configuration Monitoring Control Security Subdeployment Notes

General Thresholds and Quotas Overrides Logging Delivery Failure

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Destinations can override some of the settings (such as priority) that a message producer includes with its messages. Use this page to configure such overrides for this queue.

Priority Override:	-1	The priority assigned to all messages that arrive at this destination, regardless of the Priority specified by the message producer. The default value (-1) specifies that the destination will not override the Priority set by the message producer. More Info...
Time-to-Live Override:	2000	The time-to-live assigned to all messages that arrive at this destination, regardless of the TimeToLive value specified by the message producer. The default value (-1) specifies that this setting will not override the TimeToLive setting specified by the message producer. More Info...
Time-to-Deliver Override:	-1	The default delay, either in milliseconds or as a schedule, between when a message is produced and when it is made visible on its target destination, regardless of the delivery time specified by the producer and/or connection factory. The default value (-1) specifies that the destination will not override the TimeToDeliver setting specified by the producer and/or connection factory. The TimeToDeliver override can be specified either as a long or as a schedule. More Info...
Delivery Mode Override:	No-Delivery	The delivery mode assigned to all messages that arrive at the destination regardless of the DeliveryMode specified by the message producer. More Info...

Save

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

To set the “Error Destination”, “Expiration Policy” and “Redelivery Limit” properties, navigate to MDB_QUEUE_RESPONSE Configuration Delivery Failure tab.

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, there are panels for 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The main area displays the 'Settings for MDB_QUEUE_RESPONSE' with tabs for 'Configuration', 'Monitoring', 'Control', 'Security', 'Subdeployment', and 'Notes'. The 'Configuration' tab is active, and the 'Delivery Failure' sub-tab is selected. The 'Expiration Policy' is set to 'Redirect', and the 'Error Destination' is set to 'jms/ACC_ENTRY_RES_BKP_IN'. The 'Redelivery Delay Override' is set to -1, and the 'Redelivery Limit' is set to 0. The 'Expiration Logging Format' is empty. The 'Save' button is at the bottom of the configuration area.

Maintenance for Gateway:

GWDETUN - Gateway External system function maintenance



Ensure the Gateway setup for following services are maintained in FCUBS for external source system as FCUBS:

Service Name	Operation Code(s)
FCUBSAccService	QueryCustAccVal
FCUBSCAService	CreateEcablK CloseEcablK
FCUBSIFService	CreateExtAccEcaEntries

Source: FCUBS and User: SYSTEM

CODUPLDM - Upload Source Preferences maintenance



Ensure Upload Source preference setup for following modules are maintained in FCUBS for external source system as FCUBS:

Module	Post Upload Status
IF	Authorized
CA	Authorized

2.3 Maintenances to be done in FCUBS

This section describes the specific maintenances, needed in Oracle FLEXCUBE Universal Banking (FCUBS) to install & integrate the same with Oracle Banking Payments (OBPM).

2.3.1 Branch Maintenance

Create branch in STDCRBRN screen in FCUBS.

Specify a host for every branch created. (To maintain Host time zone, refer OPBM Payments Core User Manual).



A pair of branches which could transact inter-branch payments, should be maintained under the same host.

The screenshot shows the 'Branch Core Parameters Maintenance' screen. It features a 'New' button and an 'Enter Query' field. The main area contains several input fields: Host Code, Branch Code, Country Code, Branch Name, Source Branch Code, Branch Address Line 1, Branch Address Line 2, Branch Address Line 3, Local Currency, Walk in Customer, Weekly Holiday 1, Weekly Holiday 2, Auto Authorization (checkbox), Host Name, Report DSN, Source System, and Use Head Office Exchange Rates (checkbox). There are search icons next to Host Code, Local Currency, Walk in Customer, and Source System. At the bottom, there are buttons for 'SWIFT Address', 'Audit', and 'Exit'.

In addition, map the branch code created above, in the STDBRANC screen, and maintain the branch parameters.

The screenshot shows the 'Branch Parameters Maintenance' screen. It has a 'New' button and an 'Enter Query' field. The top section includes fields for Branch Code, Branch Name, Alternate Branch Code, and Branch Available Status (checkbox). Below this, there are four tabs: 'General Details', 'Account Financial Details', 'Duplication Check Details', and 'International Bank Account Number Details'. The 'General Details' tab is active, showing fields for Parent Branch, Regional office, Country Code, Customer Identity, Local Currency, Branch Group, GL Class, and Report DSN. The 'Account Financial Details' tab shows a list of descriptions. The 'International Bank Account Number Details' tab shows fields for Time Zone Offset (Hours, Minutes, Ahead checkbox, Time Level, Fund Branch, Allow Corporate Access checkbox, EOC Status, External Value) and GMT Time Zone (Hours, Minutes). At the bottom, there are buttons for 'Preferences', 'SWIFT Address', 'Account Mask', 'CIF Range', 'Global Interdict Functions', 'Tax', 'Branch Currency', 'Fields', 'Audit', and 'Exit'.

2.3.2 External Payments System Maintenance

Maintain an active record in External System Maintenance screen (IFDEPSMT) with field external system type as “Payments” for different service codes with all required fields in the detailed section of this screen.

- For MT110 - Advice of Cheque(s), maintain the service code as 'GenInstrIssue' with OBPM Instrument Issuance Service details as below:
 - Service Name - PMInstrumentIssueService
 - Operation Code - CreateInstrumentIssue
 - Rest/Web Service User Option - Choose the preferred option
 - Rest/Web Service User - Provide the User to be used in Gateway request.
 - Rest/Web Service URL - Provide the WDSL URL of OBPM Instrument Issuance Service.
- For MT111 - Request for Stop Payment of a Cheque, maintain the service code as 'GenInstrStop' with OBPM Instrument stop Service details as below:
 - Service Name - PMInsStopPayService
 - Operation Code - CreateInsStopPay
 - Rest/Web Service User Option - Choose the preferred option
 - Rest/Web Service User - Provide the User to be used in Gateway request
 - Rest/Web Service URL - Provide the WDSL URL of OBPM Instrument Stop Service
- For Outgoing Collections - Request for DD Creation, maintain the service code as 'CreateDDOutService' as below:
 - Service Name - PMDDOutService
 - Operation Code - CreateDDOutService
 - Rest/Web Service User Option - Choose the preferred option
 - Rest/Web Service User - Provide the User to be used in Gateway request
 - Rest/Web Service URL - Provide the WDSL URL of OBPM
- For CoverMatching, maintain the service code as “GenStmntMessage” with OBPM statement browser Service details as below:
 - Service Name – StatementBrowserService
 - Operation Code - CreateStatementBrowse
 - Rest/Web Service User Option – Choose the preferred option
 - Rest/Web Service User – Provide the User to be used in the Rest request
 - Rest/Web Service URL Service - Provide the WEB Service URL of OBPM Statement Browser Service

External System Maintenance

New Enter Query

External System *		External System Type *	Payments
Description		Read Time Out (In Seconds)	
Inter System Bridge GL *		Connection Time Out (In Seconds)	
Source System *		Archival Days	
Entity ID *		Retry Count	

Service Code	Service Name	Operation Code	Rest/Web Service User Option	Rest/Web Service User	Rest/Web Service URL
No data to display.					

Page 1 (0 of 0 items) | < 1 >

Audit Exit

2.3.3 External System Functions Maintenance

- Maintain the gateway preferences for the below Source codes for the service name “FCUBSEPSService” with operation code “CreateEPSNotification” to receive the notifications from OBPM
 - FCUBSCL
 - FCUBSRT
 - FCUBSTD

For all FCUBS corporate modules where outgoing payment is initiated, the source code will be “FCUBS <Module-ID>”. For example, the source code for FX module will be “FCUBSFX”

- Maintain the gateway preferences for the below Source codes for the service name “PMDDOutService” with operation code “CreateDDOutService” to receive the notifications from OBPM
 - FCUBSCL

External System Functions

New Enter Query

External System *		Description	
Function *		Bulk SMS Check	☐
Action *			
Service Name			
Operation Code			

Fields

Audit Exit

2.3.4 Upload Source Preference Maintenance

In Upload Source Preference Maintenance screen (CODUPLDM), Post Upload Status

field value should be selected as “Authorized”.

Upload Source Preferences Maintenance

New Enter Query

Source Code *
Module Code *

Error Handling

On Error * Reject
On Override * Ignore

Post Upload

Status * Authorized
Purge Days
Allow Deferred Processing
Allow EOD with Deferred
Deletion Allowed

Function Id Preferences Audit Exit



Below are the scheduler jobs configured for the integration. Make sure that these jobs are running.

- EPSGENPAYMENT - Scheduler job for processing the Payment request
- EPS_NOTIFICATION - Scheduler job for processing OBPM notifications
- EPSSTATEMENTPROCESS - Scheduler job for processing Cover Matching

Make sure that the ADF file below is executed in the database schema.

This file contains the JSON template for the OBPM Single Payment Service

GenPayMessage.ADF

2.3.5 BIC Maintenance

Upload the BIC directory & ensure that the same are listed at ISDBICDE, which FCUBS will use to transact payments.

2.3.6 Other Common Maintenance

Refer to FCUBS Core User Manual for the other Day 0 maintenance to be done in FCUBS.

2.4 Maintenance to be done in OBPM

This section describes the specific maintenance needed in Oracle Banking Payments (OBPM) to install & integrate the same with Oracle FLEXCUBE Universal Banking (FCUBS).

2.4.1 Source Maintenance

Maintain the Source code with which FCUBS will hand off payment requests at PMDSORCE-Source maintenance screen.

Following are the source codes FCUBS uses to initiate payment request:

- FCUBSCL
- FCUBSRT
- FCUBSTD

For all FCUBS corporate modules where outgoing payment is initiated, the source code will be “FCUBS<Module-ID>”. For example, the source code for FX module will be “FCUBSFX”.

Each record maintained in Source Maintenance Detailed screen (PMDSORCE) should have the below preferences:

- Prefunded Payments GL should match Inter System Bridge GL maintained in External Payment System Maintenance screen (IFDEPSMT) of FCUBS.
- To initiate a payment for Loan disbursement / Deposit maturity etc. FCUBS will credit the funds in an intersystem bridge GL. This is needs to be maintained as Prefunded GL in OBPM.



This GL should be maintained in FCUBS & replicated to OBPM.

2.4.2 Source Network Preference Maintenance

Maintain the FCUBS source-specific preferences for each network at the PMDSORNW screen.

The preference for various payment networks through which FCUBS will initiate a payment request needs to be maintained on this screen for the same Source codes as in the previous section.

2.4.3 Network Rule maintenance

OBPM should maintain appropriate Network Rule maintenance (PMDNWRLE) to route the FCUBS requests to the respective network.

Based on the Payment type, FCUBS system will send one of the values (LCL, SWIFT, RTGS) in the Service Level Proprietaryfield, which will further be used to build the network rules.

- LCL- Local clearing payments
- SW IFT - SW IFT Payment messages
- RTGS - RTGS Payment messages

The screenshot shows the 'Network Rule Detailed' form. At the top, there are buttons for 'New' and 'Enter Query'. Below these are input fields for 'Host Code' and 'Channel Type' (set to 'C2B'). A table with columns 'Rule Name', 'Rule Expression', 'Network Code', and 'Priority' is shown, but it contains no data. Below the table is a pagination bar showing 'Page 1 (0 of 0 items)'. At the bottom, there is an 'Expression Details' section and 'Audit' and 'Exit' buttons.

2.4.4 Notification maintenance

Maintain the FCUBS source-specific notification preferences for each network at the PMDEXTNT screen.

The screenshot shows the 'External Notification Queue Detailed' form. It includes input fields for 'Host Code', 'Source Code', and 'Notification System Class'. There are also fields for 'Communication Type' (set to 'JMS Queue') and 'Timeout in Seconds'. Below these are sections for 'JMS Preferences' (with 'Outqueue JNDI Name' and 'Queue Profile'), 'WebService Preferences' (with 'WebService URL' and 'Service'), and 'ReST Preferences'. 'Audit' and 'Exit' buttons are at the bottom right.



The notification is a call from OBPM to the FCUBS Webservice – FCUBSEPSService that needs to be deployed. The gateway external system setup is required to be done for source code mentioned in the above screen shot. It is important to give the Notification System class as FCUBS and the communication mode as Web Service.

2.4.5 External System Functions Maintenance

1. Maintain the gateway preferences for the Source System, which is maintained in the Source System field of the External Payment System Maintenance screen (IFDEPSMT) in FCUBS, for the service names “PMInstrumentIssueService” and “PMInsStopPayService” with their respective operation codes.

External System Functions

New Enter Query

External System *
Function *
Action *
Service Name
Operation Code

Description
Bulk SMS Check

Fields Audit Exit

2. The service names “FCUBSDDServices” and “Create Transaction” with their respective operation codes.

External System Functions

New Enter Query

External System *
Function *
Action *
Service Name
Operation Code

Description
Bulk SMS Check

Fields Audit Exit

2.4.6 External Payment System Queue Detailed

1. On the **Homescreen**, type **IFDEPSQU** in the text box at the top right corner of the Application toolbar and click **Next**.
The **External Payment System Queue Detailed** screen displays.

External Payment System Queue Detailed

Enter Query

Queue Reference Number *		Contract Reference Number	
External Payment System Reference Number		Initiating Module	
Source Reference Number		Event Sequence Number	
Customer Reference Number		Amount Tag	
Process Status	Not Authorized		

Main	Parties	Parties	Other Details
Host Code		Service Code	
Service Level Proprietary		Source Code	
Transaction Branch		WebService User	
Initiation Date		Customer No	
Requested Execution Date			
Activation Date		Debtor Details	
Transfer Type	Customer	Name	
Transfer Currency		Account Number	
Transaction Amount		Account Currency	
Prefunded Payments	☐	Account Branch	
Remarks		Creditor Details	
Charge Bearer	Beneficiary - All Charges	Name	
DCN		Account Number	
Running Number		Account Currency	
Instrument Code		Account Branch	
Instrument Number			

Error Information Notifications Exit

This screen helps to view the details of payment requests sent or to be sent to an external payment system.

- On the **External Payment System Queue Detailed** screen, specify the details.

Queue Reference Number

Specify the queue reference number and click **Execute Query** to view the details of the payment request sent to the external payment system.

Process Status

The system displays the process status. The list displays the following options:

Process Status	Description
Not Authorized	Contract initiated and the payment request is unauthorized
Un-Processed	Payment request pending for processing
Web Service Connection Time Out	Web service call, timed out during payment request processing
Payment Approved	Payment request initial validation is successful, and request is accepted
Payment Rejected	Payment request initial validation is failed and request is rejected
Payment Processed	All payment processing is completed, and request is successfully processed
Repair	Payment request moved to repair queue due to exception in payment life cycle
Contract Cancelled	Contract initiated and the payment request is reversed

Future dated	Payment contract not yet initiated. Future value dated payment request.
Payment Cancelled	Payment contract cancelled from one of the queue in external payment system
Acknowledgement Received	Acknowledgment (ACK) received from payment network
Negative Acknowledgement Received	Negative acknowledgment (NACK) received from payment network

- Click the **Parties** tab on the **External Payment System Queue Detailed** screen.

The **External Payment System Queue Detailed – Parties** tab displays.

External Payment System Queue Detailed

Enter Query
Customer Reference Number
Process Status: Not Authorized
Amount tag

Main | **Parties** | Parties | Other Details

Intermediary Reimbursement Institution

Account IBAN
Account Number
Branch Name
Branch Address
Swift Bank Identifier Code
Clearing System Code
Name
Postal Address1
Postal Address2
Postal Address3
Postal Address

Intermediary

Account IBAN
Account Number
Swift Bank Identifier Code
Clearing System Code
Name
Postal Address1
Postal Address2
Postal Address3
Postal Address

Receiver Correspondent

Account IBAN

Account With Institution

Account Number

Error Information | Notifications | Exit

- Click **Postal Address**.
The **Postal Address** screen displays.

Intermediary Reimbursement Institution Postal Address

Queue Reference Number

Postal Address Details

Department
Sub Department
Street Name
Building Number
Building Name
Floor
Post Box
Room

Post Code
Town Name *
Town Location Name
District Name
Country Sub Division
Country *
Address 1
Address 2

You can maintain the postal address of a customer in the 'Postal Address' sub-screen of the 'External Payment System Queue Detailed' screen. You can invoke this screen by clicking the 'Postal Address' button present in the Parties tab of the 'External Payment System Queue Detailed' screen.

Queue Reference Number

The system displays the Queue reference number maintained in the main screen.

Department

The system displays the Department of the given party.

Sub Department

The system displays the Sub Department of the given party.

Street Name

The system displays the Street Name of the given party.

Building Number

The system displays the Building Number of the given party.

Building Name

The system displays the Building Name of the given party.

Floor

The system displays the Floor of the given party.

Post Box

The system displays the Post Box of the given party.

Room

The system displays the Room of the given party.

Post Code

The system displays the Post Code of the given party.

Town Name

The system displays the Town Name of the given party.

Town Location Name

The system displays the Town Location Name of the given party.

District Name

The system displays the District Name of the given party.

Country Sub Division

The system displays the Country Subdivision of the given party.

Country

The system displays the country of the given party.

Address 1

The system displays the Address 1 of the given party.

Address 2

The system displays the Address 2 of the given party.

5. On the **External Payment System Queue Detailed** screen, click the **Error Information** button.
 - **Error Information** screen displays.

This screen displays error or warning codes, and messages received as a response to the payment request.

6. On the **External Payment System Queue Detailed** screen, click the **Notifications** button.
- **Notification Information** screen displays.

This screen displays the notification details received from the external payment system.

Process Status The system displays the process status. The drop-down list displays the following options:

Process Status	Description
Un-Processed	Notification is pending for processing
Processed	Notification processed successfully
Processing Failed	Notification processing failed due to unexpected failure
Improper Notification	Notification received is not in proper format
Empty Notification	Empty notification received

2.4.7 External Payment System Queue Summary

Specify **User ID** and **Password** and login to the **Homescreen** of the application.

1. On the **Homescreen**, type **IFSEPSQU** in the text box at the top right corner of the Application toolbar and click **Next**.

➤ **External Payment System Queue Summary** screen displays.

2. On the **External Payment System Queue Summary** screen, specify the details.

Queue Reference Number

Specify the queue reference number from the option list.

External Payment System Reference Number

Specify the external payment system reference number from the option list.

Customer Reference Number

Specify the customer reference number from the option list.

Contract Reference Number

Specify the contract reference number from the option list.

Process Status

Select the process status from the drop-down list:

- **Not Authorized**
- **Unprocessed**
- **Web Service Connection Timeout**
- **Payment Request Accepted**
- **Payment Request Rejected**
- **Payment processed**
- **Repair**
- **Contract Cancelled**
- **Future Dated**
- **Payment Cancelled**
- **Acknowledgement Received**
- **Negative Acknowledgement Received**

- **Web Service Read Time out**
 - **Null Response**
3. On specifying the search parameters, click the **Search** button.
- The system displays the following details:
- **Queue Reference Number**
 - **Contract Reference Number**
 - **Event Sequence Number**
 - **External Payment System Reference Number**
 - **Process Status**
 - **Customer Reference Number**
 - **Customer Number**
 - **Account Branch**
 - **Account Number**

Due to any technical glitch, if the transaction is failed, the user can resubmit or reject the specific record from the payments queue.

4. Select the Queue Reference Number record which needs to be re-submitted and click the **Re-Submit** button.
- The system validates each queue reference process status and processes only records with statuses **T** and **E**, and the status is updated as **Unprocessed**.

The other status records will be ignored even if the user is selected. The External Payment JOB will pick these records and process them in the subsequent cycle execution.

Users should search the Payment Queue Reference Number based on the process status. The following are the existing process statuses of the payment queue processor:

- U : Un Processed
 - T : Web Service Connection Time Out
 - A : Payment Request Accepted
 - F : Payment Request Rejected
 - S : Payment Processed
 - R : Repair
 - C : Contract Cancelled
 - D : Future Dated
 - V : Payment Cancelled
 - K : Acknowledgement Received
 - X : Negative Acknowledgement Received
 - E : Web Service Read Time Out
 - L : Null Response
5. Select the queue reference number record that needs to be rejected and click the **Reject** button.
- The system validates each queue reference process status and processes records only with the Unprocessed status. If the user selects records that have other than Unprocessed status, then the system ignores these records during the process.

2.4.8 ECA System Maintenance

Create an External Credit Approval Check system as 'FCUBS' in the STDECAMT screen.

External Credit Approval System

New Enter Query

Source System	
Description	

Audit Exit

Map the ECA system 'FCUBS' in the PMDECAMT.

External Credit Approval System Detailed

New Enter Query

External Credit Approval System	
Description	
Communication Type	JMS Queue
Communication Method	Asynchronous
Timeout in seconds	
Suppress Accounting Handoff	No
Referral Type	No Referral
ECA Block Supported	Yes

Status Mapping

Other Preferences

System Class	
Inter System Bridge GL	
API Version	Base Version

O Auth Preferences

Token URL	
Service Profile	

Audit Exit

Maintain the In-queue JNDI Name as MDB_QUEUE_RESPONSE, Out-queue JNDI Name as MDB_QUEUE & Q Profile – as per the MDB Queue created on the App Server, as in Section 2.2. Q Profile should be the IP Address where the JMS Queue has been created. The OBPM System will post the ECA request to UBS via these MDB queues. Maintain the Queue Profile in the 'PMDQPROF' screen.

Queue Connection Profile Maintenance Detailed

New Enter Query

Profile ID *	
Profile Description	
User ID	
Password	
Context Provider URL	
Initial Context Factory Class	
Queue Factory JNDI	

Queue Authentication Required ☐

Audit Exit

Queue profile requires the context provider URL of the Application Server where the queue is created. All other parameters are same as mentioned above.



Oracle Banking Payments build the ECA request with details mentioned in section 2.2 and post to MDB_QUEUE. FCUBS via GW MDB pulls the gateway request and call internally the ECA block process to create or undo the ECA block. Once the process is completed, the FCUBS posts the response via gateway infra to MDB_QUEUE_RESPONSE.

MDB_QUEUE_RESPONSE is configured with a redelivery Queue as jms/ACC_ENTRY_RES_BKP_IN mentioned in section 2.2. This Queue internally pulls the response via OBPM MDB to complete ECA processing in Oracle Banking Payments.

The following are the Services and Operations used by Oracle Banking Payments to post into FCUBS

- FCUBSAccService – QueryCustAccVal (Operation)
- FCUBSCAService – CreateEcablk, CloseEcablk (Operation)

2.4.9 Accounting System Maintenance

Maintain the accounting system as 'FCUBS' in PMDACCMT.

Maintain the In-queue JNDI Name as MDB_QUEUE_RESPONSE, Out-queue JNDI Name as MDB_QUEUE & Q Profile (refer section 2.4.5). The Oracle Banking Payments system will post the accounting handoff request to FCUBS via these MDB queues.

Maintain Account System Mapping for the Accounting System and Networks (PMDACMAP)



Oracle Banking Payments builds the Accounting Handoff request with details mentioned

in section 2.2 and posts to MDB_QUEUE. FCUBS via GW MDB pulls the gateway request and calls internally the External Accounting request. Once the process is completed, FCUBS posts the response via gateway infra to MDB_QUEUE_RESPONSE.

MDB_QUEUE_RESPONSE is configured with a redelivery Queue as jms/ACC_ENTRY_RES_BKP_IN mentioned in section 2.2. This Queue internally pulls the response via OBPM MDB to complete Accounting Handoff processing in OBPM.

Following is the Service and Operation used by OBPM to post in to FCUBS:

FCUBSIFService - CreateExtAccEcaEntries(Operation)

2.4.10 Customer Maintenance

Create the customers in FCUBS system, which will be automatically replicated and displayed at STDCIFCR in Oracle Banking Payments.

Creation of CIF, its amendments, closure & re-open status will get auto replicated to Oracle Banking Payments, with the latest data.

2.4.11 Account Maintenance

Create the accounts (Normal / Nostro type) in the FCUBS system, which will be automatically replicated and displayed at STDCRACC in Oracle Banking Payments.

Creation of accounts, their amendments, closure & re-open status will get auto replicated to Oracle Banking Payments with the latest data.

2.4.12 General Ledger Maintenance

Create the General Ledger in the FCUBS system, which will be automatically replicated and displayed at STDCRGLM in OBPM.

Creation of General Ledgers, their amendments, closure & re-open status will get auto replicated to OBPM with the latest data.

2.4.13 Transaction code Maintenance

Create the transaction code in the FCUBS system, which will be automatically replicated and displayed at STDCRTRN in OBPM.

Creation of transaction codes, their amendments, closure & re-open status will get auto replicated to OBPM with the latest data.

2.4.14 OBPM to use FCUBS Dates

Maintain the IS_CUSTOM_DATE parameter as 'Y' in the cstb_param table. By this, Oracle Banking Payments will use the 'Today' from sttm_dates as the transaction booking date.

This parameter value should be modified to N in the Production environment.

2.4.15 Other Payments Maintenances

Refer to the Oracle Banking Payments Core User Manual for the other Day 0 maintenance to be done.

2.5 FAQ's

This section describes the FAQ's for the scenarios noticed on the accounting handoff between Oracle Banking Payments & Oracle FLEXCUBE Universal Banking systems, on the Co-deployed set-up.

1. Accounting handoff is in Pending status:

Oracle Banking Payments isn't able to post the accounting entries to the UBS accounting jms queue. If in the PM debugs, it shows failed to initialize jndi factory, check the following in PMSSYSMP – System parameters:

- PM.CTX.FACTORY - weblogic.jndi.WLInitialContextFactory
 - PM_CTX_PROVIDER – Provider URL** of the app server
- a. (** Provider URL will be the http URL of the app URL. E.g.: if Application URL is https://hostname:9011/FCJNeoWeb/ , then provider URL will be t3://hostname:9010)
 - b. In PMDQPROF screen – Q profile – Specify the correct Initial factory & provider URL (same as above). QCF should be MDBQCF. Ensure this MBDQCF is configured in WebLogic.
 - c. Update the Provider URL in Pmtm_job_param & pmtm_system_parameters tables.
 - d. Do restart the application after the above changes.

2. Accounting handoff is in Requested status:

The accounting has passed successfully by Oracle Banking Payments, but a response from the UBS system has not been received yet.

- a. Check the MDB settings as indicated above & MDB gateway log.
- b. Check gwtm_in_log & gwtm_out_log tables for the exception details & message CLOB. The correlation ID in the accounting request XML of the transaction will be the key between the two systems.

3. Accounting handoff is in Rejected status:

Accounting entries handed off by OBPM has been rejected by UBS.

- a. In the Oracle Banking Payments application front end, go to the view transaction (PXDOVIEW / PBDOVIEW/ PADOVIEW), query the transaction. Click on View Q action. In Queue action log the sub screen, selecting the Accounting Response row, Click View response. Check the error & take corrective action as below:
- b. If error is “No data found for source combination” → Maintain in GWDEFUN a record for source code FCUBS & CreateExtAccEcaEntries (NEW) combination.
- c. If error is “User doesn't have rights to perform operation” → Maintain in SMDUSRDF, for SYSTEM user, add roles for the respective branch.
- d. Additionally, ensure the below maintenance are done:
 - i. Maintain Source as FCUBS in CODSORCE
 - ii. Maintain Source Preference for FCUBS Source and IF Module in CODUPLDM
 - iii. Set Correlation pattern in GWDETSYS as Correlation ID. Not Message ID.
- e. Relevant debugs to be analyzed:

MDB_Kernel11.1_gwlog_<Date>.log : GW MDB Log
SYSTEM<Branchcode>: Db Dbg