

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 > PKMSMODULES > 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.

|                                  |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Priority Override:</b>        | <input type="text" value="-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. <a href="#">More Info...</a>                                                                                                                                                                                                                           |
| <b>Time-to-Live Override:</b>    | <input type="text" value="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. <a href="#">More Info...</a>                                                                                                                                                                                                  |
| <b>Time-to-Deliver Override:</b> | <input type="text" value="-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. <a href="#">More Info...</a> |
| <b>Delivery Mode Override:</b>   | <input type="text" value="No-Delivery"/> | The delivery mode assigned to all messages that arrive at the destination regardless of the DeliveryMode specified by the message producer. <a href="#">More Info...</a>                                                                                                                                                                                                                                                                                                                                      |

**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.

**Oracle WebLogic Server Administration Console 12c**

Home > Summary of JMS Modules > PMJMSMODULES > MDB\_QUEUE\_RESPONSE

Welcome, weblogic Connected to: PM14APP

**Settings for MDB\_QUEUE\_RESPONSE**

Configuration Monitoring Control Security Subdeployment Notes

General Thresholds and Quotas Overrides Logging **Delivery Failure**

Save

Use this page to define message delivery failure parameters, like specifying redelivery limits, selecting a message expiration policy, and specifying an error destination for undeliverable or expired messages.

**Redelivery Delay Override:** -1

The delay, in milliseconds, before rolled back or recovered messages are redelivered, regardless of the RedeliveryDelay specified by the consumer and/or connection factory. Redelivered queue messages are put back into their originating subscription; redelivered topic messages are put back into their originating subscription. The default value (-1) specifies that the destination will not override the RedeliveryDelay setting specified by the consumer and/or connection factory. [More Info...](#)

**Redelivery Limit:** 0

The number of redelivery tries a message can have before it is moved to the error destination. This setting overrides any redelivery limit set by the message sender. If the redelivery limit is configured, but no error destination is configured, then persistent and non-persistent messages are simply dropped (deleted) when they reach their redelivery limit. [More Info...](#)

**Expiration Policy:** Redirect

The message Expiration Policy to use when an expired message is encountered on a destination. The valid expiration policies are: [More Info...](#)

**Expiration Logging Format:**

The policy that defines what information about the message is logged when the Expiration Policy is set to Log. The valid logging policy values are: [More Info...](#)

**Error Destination:** jms/ACC\_ENTRY\_RES\_BKP\_IN

The name of the target error destination for messages that have expired or reached their redelivery limit. If no error destination is configured, then such messages are simply dropped. If a message has expired or reached its redelivery limit, and the Expiration Policy is set to Redirect, then the message is moved to the specified Error Destination. [More Info...](#)

Save

WebLogic Server Version: 12.2.1.1.0  
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## Maintenance for Gateway:

### **GWDEFUN - 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<br>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 (toggle), Host Name, Report DSN, Source System, and Use Head Office Exchange Rates (toggle). There are search icons next to Host Code, Local Currency, Walk In Customer, and Source System. At the bottom, there is a 'SWIFT Address' button and 'Audit' and 'Exit' buttons.

In addition, map the branch code created above, in 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 (toggle). 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 'Description' fields. The 'International Bank Account Number Details' tab shows fields for Time Zone Offset (Hours, Minutes, Ahead toggle, Time Level, Fund Branch toggle, Allow Corporate Access toggle, EOC Status, External Value) and GMT Time Zone (Hours, Minutes). At the bottom, there is a row of buttons: 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                      |          |

| <input type="checkbox"/> 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

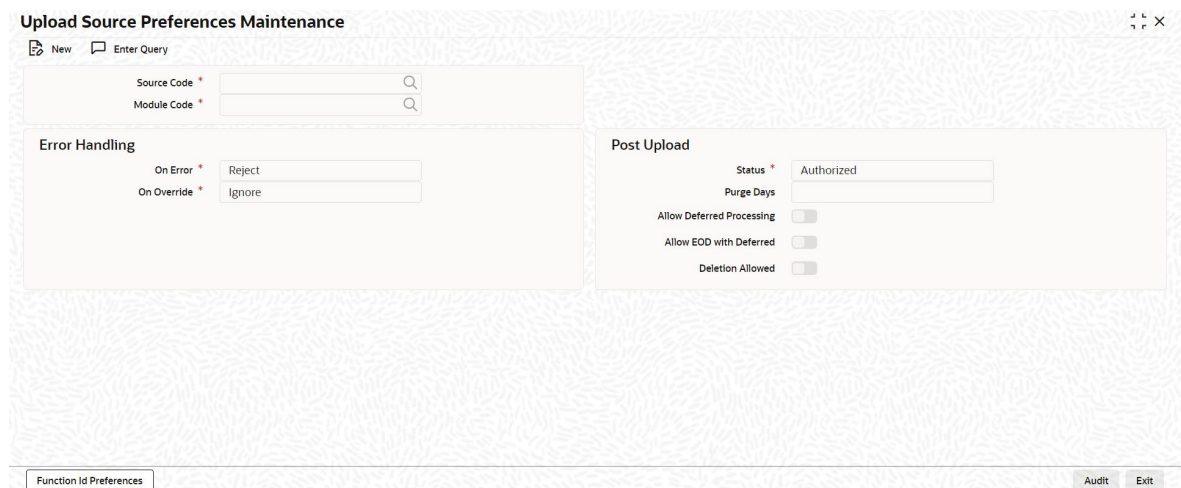
|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| External System * |  | Description    |                          |
| Function *        |  | Bulk SMS Check | <input type="checkbox"/> |
| Action *          |  |                |                          |
| 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”.



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

- ✓ EPSGENPAYMENT - Scheduler job for processing Payment request
- ✓ EPS\_NOTIFICATION - Scheduler job for processing OBPM notifications
- EPSTATEMENTPROCESS- Scheduler job for processing Cover Matching

Make sure that the below ADF file 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 BIC directory & ensure that the same are listed at ISDBICDE, which FCUBS will use, to transact payments.

## 2.3.6 Other Common Maintenances

Refer FCUBS Core User Manual, for the other Day0 maintenances to be done in FCUBS.

## 2.4 Maintenances to be done in OBPM

This section describes the specific maintenances 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 handoff payment requests at PMDSORCE- Source maintenance screen.

**Source Maintenance Detailed**

New Enter Query

|               |        |           |  |
|---------------|--------|-----------|--|
| Source Code * |        | MIS Group |  |
| Host Code *   |        | UDF Group |  |
| Description   |        |           |  |
| Source Type   | Upload |           |  |

**Prefunded Payments**

|                            |                          |                                            |                          |
|----------------------------|--------------------------|--------------------------------------------|--------------------------|
| Prefunded Payments Allowed | <input type="checkbox"/> | Prefunded Payments GL                      |                          |
| Pricing Applicable         | <input type="checkbox"/> | Auto-process Claims for Prefunded Payments | <input type="checkbox"/> |

Duplicate Check Fields Response Details Audit Exit

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 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 PMDSORNW screen.

**Source Network Preferences Detailed**

New Enter Query

Host Code \*

Source Code \*

Network Code \*

Transaction Type \* Incoming

Description

Network Description

Network Type Description

**Preferences**

Authorization Rekey Required ☐

MIS Group

UDF Group

Audit Exit

The preference for various payment networks via 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 request to the respective network.

- Based on the Payment type, FCUBS system will send one of the values (LCL, SWIFT, RTGS) in Service Level Proprietary field, which further will be used to build the network rules,
  - LCL- Local clearing payments
  - SWIFT - SWIFT Payment messages
  - RTGS - RTGS Payment messages

**Network Rule Detailed**

New Enter Query

Host Code \* Channel Type \* C2B

| <input type="checkbox"/> | Rule Name * | Rule Expression | Network Code * | Priority |
|--------------------------|-------------|-----------------|----------------|----------|
| No data to display.      |             |                 |                |          |

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Expression Details

Audit Exit

## 2.4.4 Notification maintenance

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

**External Notification Queue Detailed**

New Enter Query

Host Code \* Source Code \* Notification System Class

Communication Type JMS Queue Timeout in Seconds

**JMS Preferences**

Outqueue JNDI Name Queue Profile

**WebService Preferences**

WebService URL Service

**ReST Preferences**

Audit Exit

 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 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 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

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

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

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

**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 |                           |  |

|                           |                          |                         |                      |
|---------------------------|--------------------------|-------------------------|----------------------|
| <b>Main</b>               | <b>Parties</b>           | <b>Parties</b>          | <b>Other Details</b> |
| Host Code                 |                          | Service Code            |                      |
| Service Level Proprietary |                          | Source Code             |                      |
| Transaction Branch        |                          | WebService User         |                      |
| Initiation Date           |                          | Customer No             |                      |
| Requested Execution Date  |                          | <b>Debtor Details</b>   |                      |
| Activation Date           |                          | Name                    |                      |
| Transfer Type             | Customer                 | Account Number          |                      |
| Transfer Currency         |                          | Account Currency        |                      |
| Transaction Amount        |                          | Account Branch          |                      |
| Prefunded Payments        | <input type="checkbox"/> | <b>Creditor Details</b> |                      |
|                           |                          | Name                    |                      |

Error Information Notifications Exit

- 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 |
|-----------------------------------|--------------------------------------------------------------|

- 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.

- 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.

- 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.

- 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 **Un-processed**.

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 subsequent cycle execution.

Users should search the Payment Queue Reference Number based on the process status. 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 which needs to be rejected and click the **Reject** button.

The system validates each queue reference process status and processes records only with the Un-Processed status. If the user selects records that have other than Un-Processed status, then the system ignores these records during the process.

## 2.4.8 ECA System Maintenance

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

The screenshot shows a web application window titled 'External Credit Approval System'. It has a top bar with 'New' and 'Enter Query' buttons. Below is a form with two main sections: 'Source System' and 'Description'. The 'Source System' field is currently empty and highlighted. The 'Description' field is also empty. At the bottom right of the window, there are 'Audit' and 'Exit' buttons.

Map the ECA system 'FCUBS' in the PMDECAMT.

The screenshot shows a web application window titled 'External Credit Approval System Detailed'. It has a top bar with 'New' and 'Enter Query' buttons. The main area is divided into two columns. The left column contains fields for 'External Credit Approval System' (with a search icon), 'Description' (with a comment icon), 'Communication Type' (set to 'JMS Queue'), 'Communication Method' (set to 'Asynchronous'), 'Timeout in seconds', 'Suppress Accounting Handoff' (set to 'No'), 'Referral Type' (set to 'No Referral'), and 'ECA Block Supported' (set to 'Yes'). The right column contains 'Other Preferences' with 'System Class' and 'Inter System Bridge GL' (with a search icon), and 'API Version' (set to 'Base Version'). Below these are 'O Auth Preferences' with 'Token URL' (with a comment icon) and 'Service Profile' (with a search icon). At the bottom left is a 'Status Mapping' button, and at the bottom right are 'Audit' and 'Exit' buttons.

Maintain the In queue JNDI Name as MDB\_QUEUE\_RESPONSE, Outqueue 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 Queue Profile in

'PMDQPROF'

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

**STOP** OBPM 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 post 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 OBPM.

Following are the Services and Operations used by OBPM to post in to FCUBS

- FCUBSAccService – QueryCustAccVal (Operation)
- FCUBSCAService – CreateEcabl, CloseEcabl (Operation)

## 2.4.9 Accounting System Maintenance

Maintain the accounting system as 'FCUBS' in PMDACMT.

Maintain the In queue JNDI Name as MDB\_QUEUE\_RESPONSE, Outqueue JNDI Name as MDB\_QUEUE & Q Profile (refer section 2.4.5). The OBPM system will post the Accounting handoff request to FCUBS via these MDB queues.

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

 OBPM build the Accounting Handoff request with details mentioned in section 2.2 and post 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 OBPM.

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

## 2.4.11 Account Maintenance

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

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

## 2.4.12 General Ledger Maintenance

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

Creation of General Ledgers, its 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 FCUBS system which will be automatically replicated and displayed at STDCRTRN in OBPM.

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

### 2.4.14 OBPM to use FCUBS Dates

Maintain IS\_CUSTOM\_DATE parameter as 'Y' in cstb\_param table. By this, OBPM will use the 'Today' from sttm\_dates as the transaction booking date.

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

### 2.4.15 Other Payments Maintenances

Refer OPBM Payments Core User Manual, for the other Day 0 maintenances to be done.

## 2.5 FAQ's

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

#### 1. Accounting handoff is in Pending status:

OBPM isn't able to post the accounting entries to UBS accounting jms queue. If in the PM debugs, shows failed to initialize jndi factory, check the following in PMSSYSPM – 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 is passed successfully by OBPM, but response from UBS system is not 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 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 OBPM 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 GWDETFUN 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.

#### **Relevant debugs to be analyzed:**

MDB\_Kernel11.1\_gwlog \_<Date>.log : GW MDB Log  
SYSTEM<Branchcode>: Db Dbg