

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 > PRCMSMODULES > 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:        | <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>   |
| Time-to-Live Override:    | <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>  |
| Time-to-Deliver Override: | <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> |
| Delivery Mode Override:   | <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.

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area is titled "Settings for MDB\_QUEUE\_RESPONSE" and has several tabs: Configuration, Monitoring, Control, Security, Subdeployment, and Notes. The "Delivery Failure" sub-tab is active. It contains several configuration fields:

- Redelivery Delay Override:** A text input field containing "-1".
- Redelivery Limit:** A text input field containing "0".
- Expiration Policy:** A dropdown menu with "Redirect" selected.
- Expiration Logging Format:** An empty text input field.
- Error Destination:** A dropdown menu with "jms/ACC\_ENTRY\_RES\_BKP\_IN" selected.

Each field has a "More Info..." link. On the left side of the console, there are panels for "Change Center", "Domain Structure", "How do I...", and "System Status".

### **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:

| <b>Service Name</b> | <b>Operation Code(s)</b>    |
|---------------------|-----------------------------|
| 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:

| <b>Module</b> | <b>Post Upload Status</b> |
|---------------|---------------------------|
| IF            | Authorized                |
| CA            | Authorized                |


## 2.3 Maintenances to be done in FCUBS

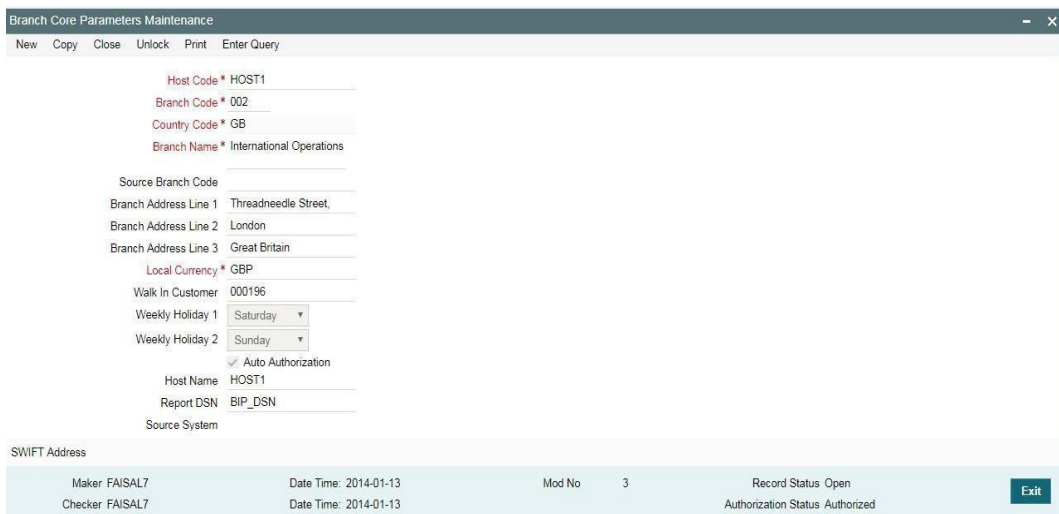
This section describes the specific maintenances, needed in Oracle FLEXCUBE Universal Banking (FCUBS) to install & integrate the same with Oracle Banking Payments (OBPM).

### 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.



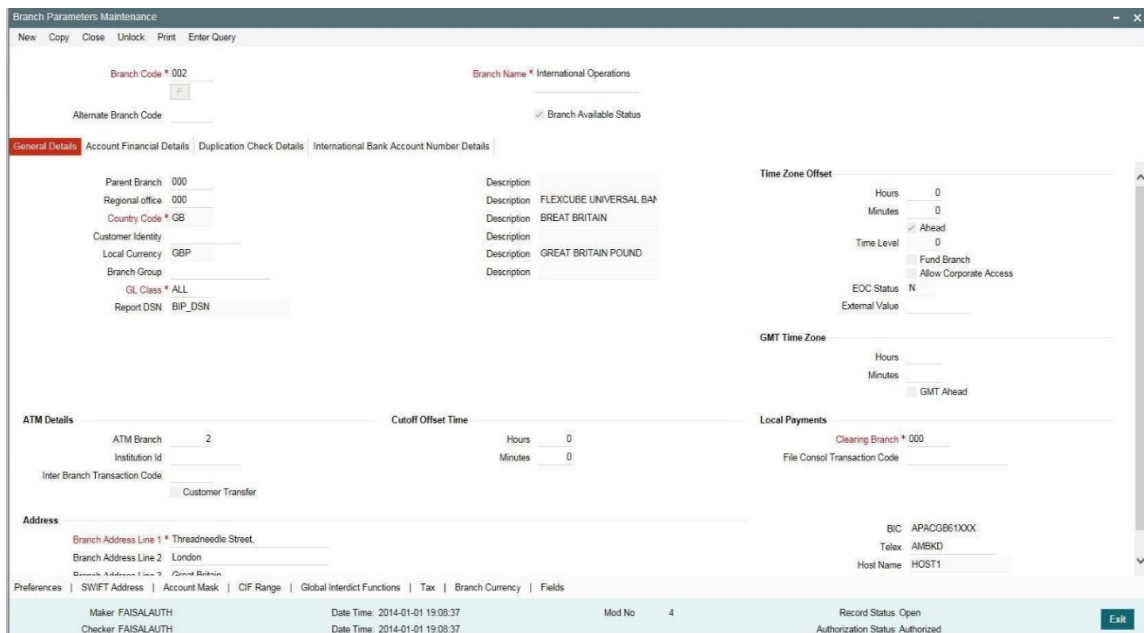
The screenshot shows the 'Branch Core Parameters Maintenance' window. It contains the following fields and values:

- Host Code \* HOST1
- Branch Code \* 002
- Country Code \* GB
- Branch Name \* International Operations
- Source Branch Code
- Branch Address Line 1 Threadneedle Street,
- Branch Address Line 2 London
- Branch Address Line 3 Great Britain
- Local Currency \* GBP
- Walk In Customer 000196
- Weekly Holiday 1 Saturday
- Weekly Holiday 2 Sunday
- Auto Authorization
- Host Name HOST1
- Report DSN BIP\_DSN
- Source System

SWIFT Address

Maker FAISAL7 Date Time: 2014-01-13 Mod No 3 Record Status Open  
Checker FAISAL7 Date Time: 2014-01-13 Authorization Status Authorized

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



The screenshot shows the 'Branch Parameters Maintenance' window with the following details:

- Branch Code \* 002
- Branch Name \* International Operations
- Alternate Branch Code
- Branch Available Status

General Details

- Parent Branch 000
- Regional office 000
- Country Code \* GB
- Customer Identity
- Local Currency GBP
- Branch Group
- GL Class \* ALL
- Report DSN BIP\_DSN
- Description FLEXCUBE UNIVERSAL BAN
- Description GREAT BRITAIN
- Description GREAT BRITAIN POUND

Time Zone Offset

- Hours 0
- Minutes 0
- Time Level 0
- GMT Ahead
- Fund Branch
- Allow Corporate Access
- EOC Status N
- External Value

GMT Time Zone

- Hours
- Minutes
- GMT Ahead

Local Payments

- Clearing Branch \* 000
- File Control Transaction Code
- BIC APACGB1XXX
- Telex AMBKD
- Host Name HOST1

ATM Details

- ATM Branch 2
- Institution Id
- Inter Branch Transaction Code
- Customer Transfer
- Cutoff Offset Time
- Hours 0
- Minutes 0

Address

- Branch Address Line 1 \* Threadneedle Street,
- Branch Address Line 2 London
- Branch Address Line 3 Great Britain

Preferences | SWIFT Address | Account Mask | CIF Range | Global Interdict Functions | Tax | Branch Currency | Fields

Maker FAISALAUTH Date Time: 2014-01-01 19:08:37 Mod No 4 Record Status Open  
Checker FAISALAUTH Date Time: 2014-01-01 19:08:37 Authorization Status Authorized

## 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
  
- For Outward Clearing, maintain the service code as “InitiateOutCLGReq” with OBPM Outward clearing service details as below:
  - Service Name – InitiateClgTxn
  - Operation Code – CreateClearingRequest
  - 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 Rest Service URL of OBPM outclg
  
- For DD/BC instrument issue, maintain the service code as “InitiateInstrReq” with OBPM Instrument Issue service details as below:
  - Service Name – InitiateInstrTxn
  - Operation Code – Createinstrumentissue
  - 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 Rest Service URL of OBPM instrument issue



External System Maintenance

New Copy Close Unlock Enter Query

External System \* EXTSYS  
 Description External Payment System  
 Inter System Bridge GL \* 261100005  
 Source System \* FCUBS  
 Entity ID \* ENTITY\_ID1

External System Type \* Payments

Read Time Out (In Seconds) 70  
 Connection Time Out (In Seconds) 50  
 Archival Days 3  
 Retry Count 3

1 Of 1 Go

| Service Code                                      | Service Name             | Operation Code        | Rest/Web Service User Option | Rest/Web Service User |
|---|--------------------------|-----------------------|------------------------------|-----------------------|
| <input type="checkbox"/> CreateDDOutService       | PMDDOutService           | CreateDDOutService    | Contract User                | ROHINI01              |
| <input type="checkbox"/> GenInstrIssue            | PMInstrumentIssueService | CreateInstrumentIssue | Predefined User              | RAMYA03               |
| <input type="checkbox"/> Generate Instrument Stop | PMInsStopPayService      | CreateInsStopPay      | Predefined User              | RAMYA03               |
| <input checked="" type="checkbox"/> GenPayMessage | PMSinglePaymentService   | CreateSinglePayment   | Contract User                | RAVIS2                |
| <input type="checkbox"/> GenStmntMessage          | StatementBrowserService  | CreateStatementBrowse | Contract User                | PKHUSER1              |

Maker NAG002 Date Time: 2019-03-22 08:50:14 Mod No 13 Record Status Open  
 Checker NAG002 Date Time: 2019-03-22 08:50:14 Authorization Authorized Status

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 Copy Close Print Enter Query

External System \* FCUBSCL  
 Function \* IFGEPSNO  
 Action \* NEW

Description Notif Test  
 Bulk SMS Check

Service Name FCUBSEPSService  
 Operation Code CreateEPSNotification

---

Fields

|                 |                                |        |   |                                 |
|-----------------|--------------------------------|--------|---|---------------------------------|
| Maker RAMYA_A   | Date Time: 2018-03-16 18:30:26 | Mod No | 1 | Record Status Open              |
| Checker RAMYA_A | Date Time: 2018-03-16 18:30:26 |        |   | Authorization Authorized Status |

**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 Copy Close Unlock Print Enter Query

Source Code \* FCUBSCL  
 Module Code \* IF

**Error Handling**

On Error \*   
 On Override \*   
 On Repairable Exception   
 On Queue Exception

**Post Upload**

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

---

Function ID Preference

|                 |                                |        |   |                                 |
|-----------------|--------------------------------|--------|---|---------------------------------|
| Maker RAMYA_A   | Date Time: 2014-05-20 17:53:03 | Mod No | 1 | Record Status Open              |
| Checker RAMYA_A | Date Time: 2014-05-20 17:53:03 |        |   | Authorization Authorized Status |

**Exit**



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
- ✓ EPSSTATEMENTPROCESS- 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 Day 0 maintenances to be done in FCUBS.

### 2.3.7 Integration Parameter Maintenance

Maintain the Integration parameter maintenance as below for the external LOV to work at the IFDINPRM screen.

The screenshot shows the 'Integration Parameters Maintenance' window. The 'Branch Code' is set to 'ALL' with description 'ANY BRANCH'. The 'External System' is 'OBPM' with description 'Payments'. The 'External User' is 'NAG002'. The 'Amount Block Validation Required' checkbox is checked. The 'Offset Transaction Code' and 'Offset Amount Tag' fields are empty. The table below shows one record for 'ExtLovService' with 'Communication Channel' as 'REST', 'Communication Mode' as 'SYNCHRONOUS', and 'Communication Layer' as 'Application'.

| Service Name  | Communication Channel | Communication Mode | Communication Layer | WS Service Name | WS Port | WS Endpoint URL |
|---------------|-----------------------|--------------------|---------------------|-----------------|---------|-----------------|
| ExtLovService | REST                  | SYNCHRONOUS        | Application         |                 |         |                 |

Maker: NAG001, Date Time: 2020-03-26 20:17:08, Mod No: 6, Record Status: Open  
 Checker: ADMINUSER1, Date Time: 2020-03-26 20:18:22, Authorization: Authorized

The screenshot shows the 'Integration Parameters Maintenance' window. The 'Branch Code' is set to 'ALL' with description 'ANY BRANCH'. The 'External System' is 'OBPM' with description 'Payments'. The 'External User' is 'NAG002'. The 'Amount Block Validation Required' checkbox is checked. The 'Offset Transaction Code' and 'Offset Amount Tag' fields are empty. The table below shows one record for 'MDB QCF' with 'Rest Service IP' as 'whf00mle.in.oracle.com', 'Rest Service Port' as '7202', 'Rest Service Pattern' as 'LovService', and 'Rest Service Context' as 'FCJNeoWeb'.

| MDB QCF | MDB Out Queue | MDB Response Queue | Rest Service IP        | Rest Service Port | Rest Service Pattern | Rest Service Context |
|---------|---------------|--------------------|------------------------|-------------------|----------------------|----------------------|
|         |               |                    | whf00mle.in.oracle.com | 7202              | LovService           | FCJNeoWeb            |

Maker: NAG001, Date Time: 2020-03-26 20:17:08, Mod No: 6, Record Status: Open  
 Checker: ADMINUSER1, Date Time: 2020-03-26 20:18:22, Authorization: Authorized

## 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 Copy Close Unlock Print Enter Query

Source Code \* FCUBSTD MIS Group \_\_\_\_\_  
Host Code \* LIEGE UDF Group \_\_\_\_\_  
Description FCUBS TD  
Source Type Upload

Prefunded Payments  
 Prefunded Payments Allowed Prefunded Payments GL 261377771

Duplicate Check Fields  
Duplicate Check Period in Days 0

Other Preferences  
SSI Handling Not Required  
 Notification Required  
 Validate Debit Authority  
 Incoming SWIFT  
Intermediary Credit GL  
 Inbound credit to GL  
 PSD Applicable

Auto Queue Preferences  
System Action Auto roll-over

Duplicate Check Fields

Maker DEEPIKA19 Date Time: 2018-05-01 12:47:38 Mod No 6 Record Status Open  
Checker DEEPIKA19 Date Time: 2018-05-01 12:47:38 Authorization Status Authorized 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 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 PMDSORNW screen.

Source Network Preferences Detailed

New Copy Close Unlock Print Enter Query

Host Code \* LIEGE  
Source Code \* FCUBSRT  
Network Code \* SWIFT  
Transaction Type \* Outgoing

Description FCUBS RT  
Network Description Cross Border  
Payment Type Cross Border

Preferences  
 Authorization Rekey Required

Sanctions System  
 Sanction Check Required

Pricing  
 External Pricing Applicable

Authorization Limit  
Authorization Limit Currency  
Authorization 1 Limit  
Authorization 2 Limit  
Network Release Limit

Authorization Rekey Fields  
1 Of 1  
Rekey Field Name Description

Maker FCUSER1 Date Time: 2014-01-01 23:26:09 Mod No 1 Record Status Open  
Checker FCUSER1 Date Time: 2014-01-01 23:26:09 Authorization Status Authorized 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 Copy Close Unlock Print Enter Query

Host Code \* LIEGE Channel Type \* Single Payment

| Rule Name *                             | Rule Expression                           | Network Code * |
|---|---|----------------|
| <input checked="" type="checkbox"/> ACH | ValueOf { 'SERVICE_LEVEL' } EQUAL 'LCL'   | ACH            |
| <input type="checkbox"/> BOOK           | ValueOf { 'SERVICE_LEVEL' } EQUAL 'BOOK'  | BOOK           |
| <input type="checkbox"/> RTGS           | ValueOf { 'SERVICE_LEVEL' } EQUAL 'RTGS'  | RTGS           |
| <input type="checkbox"/> SWIFT          | ValueOf { 'SERVICE_LEVEL' } EQUAL 'SWIFT' | SWIFT          |
| <input type="checkbox"/> STEP2          | ValueOf { 'SERVICE_LEVEL' } EQUAL 'SEPA'  | STEP2          |

Expression Details

| Scope | LOP Operand   | Operator | ROP Type | ROP Data Type | ROP Operand |
|-------|---------------|----------|----------|---------------|-------------|
|       | SERVICE_LEVEL | Equal To | Constant | String        | LCL         |

Maker DEEPIKA19 Date Time: 2014-01-01 00:50:09 Mod No 3 Record Status Open  
 Checker DEEPIKA19 Date Time: 2014-01-01 00:50:09 Authorization Authorized Status

Exit

## 2.4.4 Notification maintenance

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

External Notification Queue Detailed

New Copy Close Unlock Print Enter Query

Host Code \* LIEGE Communication Type Web Service  
 Source Code \* FCUBSTD Timeout in Seconds  
 Notification System Class FCUBS


JMS Preferences  
 Outqueue JNDI Name Q Profile

WebService Preferences  
 Webservice URL http://10.184.158.19:7843/FCUBSEPSService/FCUBSEPSService Service FCUBSEPSService

ReST Preferences  
 ReST URL

Maker FCUSER4 Date Time: 2018-04-27 12:36:04 Mod No 1 Record Status Open  
 Checker FCUSER4 Date Time: 2018-04-27 12:36:04 Authorization Status Authorized

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

Enter Query

External System \* FCUBS

Function \* PIDINSIS

Action \* NEW

Service Name PMInstrumentIssueService

Operation Code CreateInstrumentIssue

Fields

|                 |                                |          |                                 |      |
|-----------------|--------------------------------|----------|---------------------------------|------|
| Maker RAMYA03   | Date Time: 2018-03-22 08:19:19 | Mod No 1 | Record Status Open              | Exit |
| Checker RAMYA03 | Date Time: 2018-03-22 08:19:19 |          | Authorization Authorized Status |      |

- The service names "FCUBSDDServices" and "Create Transaction" with their respective operation codes.

External System Functions

New Copy Close Print Enter Query

External System \* FCUBS

Function \* DDGONONL

Action \* NEW

Service Name FCUBSDDService

Operation Code CreateTransaction

Description FCUBS

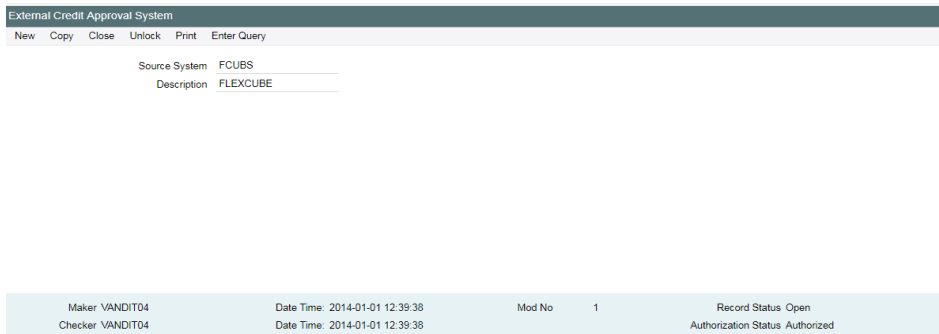
Bulk SMS Check

Fields

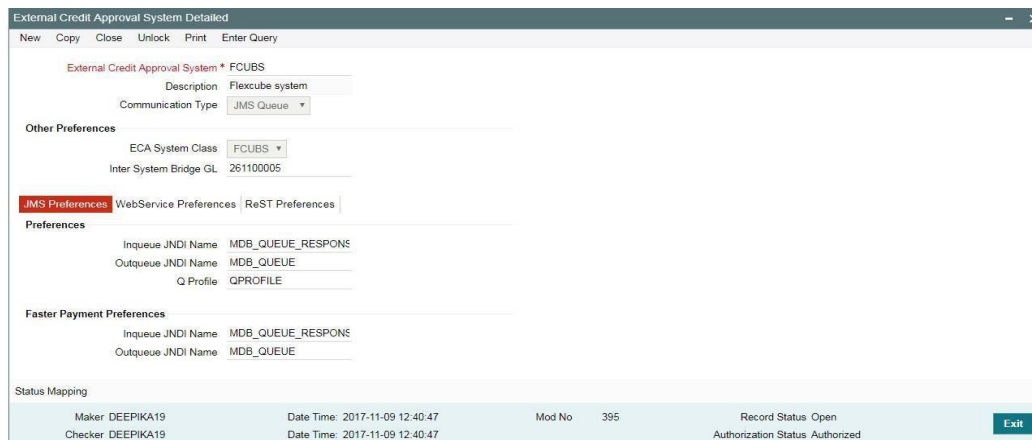
|                 |                                |          |                                 |      |
|-----------------|--------------------------------|----------|---------------------------------|------|
| Maker RAMYA03   | Date Time: 2018-03-22 08:34:24 | Mod No 1 | Record Status Open              | Exit |
| Checker RAMYA03 | Date Time: 2018-03-22 08:34:24 |          | Authorization Authorized Status |      |

## 2.4.6 ECA System Maintenance

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

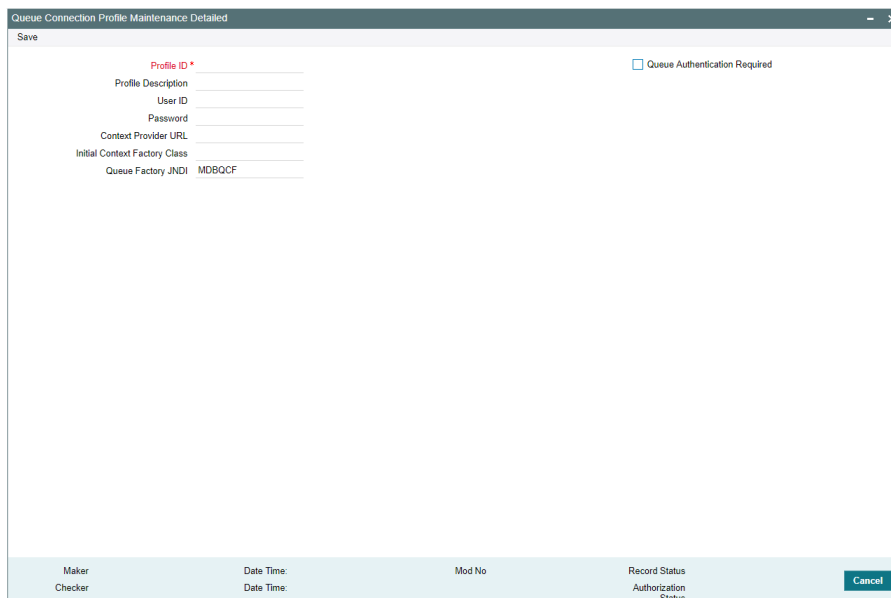


Map the ECA system 'FCUBS' in the PMDECAMT.



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 – CreateEcablk, CloseEcablk (Operation)

## 2.4.7 Accounting System Maintenance

Maintain the accounting system as 'FCUBS' in PMDACMNT.

External Accounting System Detailed

New Copy Close Unlock Print Enter Query

External Accounting System \* FCUBS Description \* External accounting handoff interface

Preferences

Outqueue JNDI Name MDB\_QUEUE

Inqueue JNDI Name MDB\_QUEUE\_RESPONSE

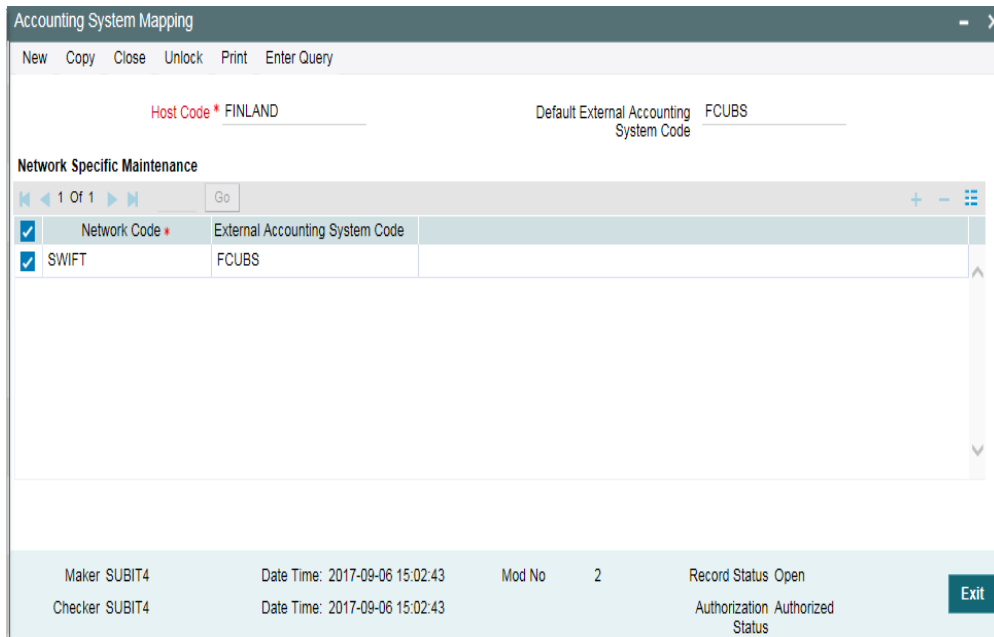
Q Profile


Maker DEEPIKA19 Date Time: 2017-11-06 14:21:22 Mod No 4 Record Status Open  
Checker DEEPIKA19 Date Time: 2017-11-06 14:21:22 Authorization Status Authorized

Exit

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)

## 2.4.8 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.

## 2.4.9 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.

## 2.4.10 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.

### 2.4.11 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.

### 2.4.12 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.

### 2.4.13 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 PMSSYSMPM – 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