

FCUBS-OBPM Integration Setup Guide

Oracle Banking Payments

Release 14.5.0.0.0

Part No. F42208-01

May 2021

Oracle Banking Payments FCUBS-OBPM Integration Setup Guide
Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

www.oracle.com/financialservices/

Copyright © 2017, 2021, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1. Introduction	1
1.1 About This Manual	1
1.2 Audience	1
1.3 Documentation Accessibility	1
1.4 Organization	1
1.5 Glossary	1
2. Integration Guide	2
2.1 Introduction	2
2.2 Installation guide	2
2.3 Maintenances to be done in FCUBS	4
2.3.1 Branch Maintenance	4
2.3.2 External Payments System Maintenance	5
2.3.3 External System Functions Maintenance	6
2.3.4 Upload Source Preference Maintenance	7
2.3.5 BIC Maintenance	8
2.3.6 Other Common Maintenances	8
2.3.7 Integration Parameter Maintenance	8
2.4 Maintenances to be done in OBPM	8
2.4.1 Source Maintenance	9
2.4.2 Source Network Preference Maintenance	10
2.4.3 Network Rule maintenance	10
2.4.4 Notification maintenance	11
2.4.5 External System Functions Maintenance	11
2.4.6 ECA System Maintenance	13
2.4.7 Accounting System Maintenance	14
2.4.8 Customer Maintenance	15
2.4.9 Account Maintenance	15
2.4.10 General Ledger Maintenance	15
2.4.11 Transaction code Maintenance	16
2.4.12 OBPM to use FCUBS Dates	16
2.4.13 Other Payments Maintenances	16
2.5 FAQ's	16

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.

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.

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: PM14APP

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**

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: 12.2.1.4.0
Copyright (c) 1996-2016, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Maintenance for Gateway:

GWDETFUN - 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.

Branch Core Parameters Maintenance

New Copy Close Unlock Print Enter Query

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

Exit

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

Branch Parameters Maintenance

New Copy Close Unlock Print Enter Query

Branch Code * 002
Branch Name * International Operations
Alternate Branch Code
☒ Branch Available Status

General Details | Account Financial Details | Duplication Check Details | International Bank Account Number 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
Description FLEXCUBE UNIVERSAL BA
Description GREAT BRITAIN
Description GREAT BRITAIN POUND

Time Zone Offset
Hours 0
Minutes 0
Time Level 0
☒ 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

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

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
- 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

External System Type * Payments

Description External Payment System

Inter System Bridge GL * 261100005

Read Time Out (In Seconds) 70

Source System * FCUBS

Connection Time Out (In Seconds) 50

Entity ID * ENTITY_ID1

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
CreateDDOutService	PMDDOutService	CreateDDOutService	Contract User	ROHINI01
GenInstrIssue	PMInstrumentIssueService	CreateInstrumentIssue	Predefined User	RAMYA03
Generate Instrument Stop	PMInsStopPayService	CreateInsStopPay	Predefined User	RAMYA03
☒ GenPayMessage	PMSinglePaymentService	CreateSinglePayment	Contract User	RAVIS2
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
Service Name FCUBSEPService
Operation Code CreateEPSNotification

Description Notif Test
Bulk SMS Check

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 * Reject
On Override * Ignore
On Repairable Exception Reject
On Queue Exception Reject

Post Upload

Status * Authorized
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
- 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 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 'Offset Transaction Code' and 'Offset Amount Tag' are empty. The 'External User' is 'NAG002'. On the right, there are checkboxes for 'Amount Block Validation Required', 'Offset Required', 'Offset Netting Required', and 'Allow Force Post'. Below these is a table with columns: Service Name, Communication Channel, Communication Mode, Communication Layer, WS Service Name, WS Port, and WS Endpoint URL. The table contains one row: 'ExtLovService', 'REST', 'SYNCHRONOUS', 'Application'. At the bottom, there is a status bar with 'Maker: NAG001', 'Checker: ADMINUSER1', 'Date Time: 2020-03-26 20:17:08', 'Mod No: 6', 'Record Status: Open', and 'Authorization: Authorized Status'. There are 'Ok' and 'Exit' buttons.

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 'Offset Transaction Code' and 'Offset Amount Tag' are empty. The 'External User' is 'NAG002'. On the right, there are checkboxes for 'Amount Block Validation Required', 'Offset Required', 'Offset Netting Required', and 'Allow Force Post'. Below these is a table with columns: MDB QCF, MDB Out Queue, MDB Response Queue, Rest Service IP, Rest Service Port, Rest Service Pattern, and Rest Service Context. The table contains one row: 'whf00mle.in.oracle.com', '7202', 'LovService', 'FCJNeoWeb'. At the bottom, there is a status bar with 'Maker: NAG001', 'Checker: ADMINUSER1', 'Date Time: 2020-03-26 20:17:08', 'Mod No: 6', 'Record Status: Open', and 'Authorization: Authorized Status'. There are 'Ok' and 'Exit' buttons.

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 UIDF 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 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 Proprietaryfield, 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 *
☒ ACH	ValueOf { 'SERVICE_LEVEL' } EQUAL 'LCL'	ACH
☐ BOOK	ValueOf { 'SERVICE_LEVEL' } EQUAL 'BOOK'	BOOK
☐ RTGS	ValueOf { 'SERVICE_LEVEL' } EQUAL 'RTGS'	RTGS
☐ SWIFT	ValueOf { 'SERVICE_LEVEL' } EQUAL 'SWIFT'	SWIFT
☐ STEP2	ValueOf { 'SERVICE_LEVEL' } EQUAL 'SEPA'	STEP2

Expression Details

ion	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 PMDEXTNT 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://10.154.158.19:7843/FCUBSEPService/FCUBSEPService Service FCUBSEPService

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.

The screenshot shows the 'External Credit Approval System' maintenance window. It has a menu bar with 'New', 'Copy', 'Close', 'Unlock', 'Print', and 'Enter Query'. Below the menu, there are input fields for 'Source System' (FCUBS) and 'Description' (FLEXCUBE). At the bottom, there is a status bar with the following information: Maker VANDIT04, Date Time: 2014-01-01 12:39:38, Mod No 1, Record Status Open, Checker VANDIT04, Date Time: 2014-01-01 12:39:38, Authorization Status Authorized.

Map the ECA system 'FCUBS' in the PMDECAMT.

The screenshot shows the 'External Credit Approval System Detailed' maintenance window. It has a menu bar with 'New', 'Copy', 'Close', 'Unlock', 'Print', and 'Enter Query'. The main area contains several sections: 'External Credit Approval System * FCUBS' with 'Description' (Flexcube system) and 'Communication Type' (JMS Queue); 'Other Preferences' with 'ECA System Class' (FCUBS) and 'Inter System Bridge GL' (261100005); 'JMS Preferences' (selected) with 'Inqueue JNDI Name' (MDB_QUEUE_RESPONSE), 'Outqueue JNDI Name' (MDB_QUEUE), and 'Q Profile' (QPROFILE); 'Faster Payment Preferences' with 'Inqueue JNDI Name' (MDB_QUEUE_RESPONSE) and 'Outqueue JNDI Name' (MDB_QUEUE); and 'Status Mapping'. At the bottom, there is a status bar with the following information: Maker DEEPIKA19, Date Time: 2017-11-09 12:40:47, Mod No 395, Record Status Open, Checker DEEPIKA19, Date Time: 2017-11-09 12:40:47, Authorization Status Authorized, and an 'Exit' button.

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'

The screenshot shows the 'Queue Connection Profile Maintenance Detailed' window. It has a menu bar with 'Save'. The main area contains input fields for 'Profile ID *', 'Profile Description', 'User ID', 'Password', 'Context Provider URL', 'Initial Context Factory Class', and 'Queue Factory JNDI' (MDBQCF). There is also a checkbox for 'Queue Authentication Required'. At the bottom, there is a status bar with the following information: Maker, Date Time, Mod No, Record Status, Checker, Date Time, Authorization Status, and a 'Cancel' button.

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)

2.4.7 Accounting System Maintenance

Maintain the accounting system as 'FCUBS' in PMDACMT.

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)

Accounting System Mapping

New Copy Close Unlock Print Enter Query

Host Code * FINLAND Default External Accounting System Code FCUBS

Network Specific Maintenance

1 Of 1 Go

Network Code *	External Accounting System Code
☒ SWIFT	FCUBS

Maker SUBIT4 Date Time: 2017-09-06 15:02:43 Mod No 2 Record Status Open
 Checker SUBIT4 Date Time: 2017-09-06 15:02:43 Authorization Authorized Status

Exit

 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 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