

Corporate Lending - Payments Co-deployed Integration
User Guide

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Corporate Lending - Payments Co-deployed Integration User Guide
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1. Preface

1.1 Introduction

This document is designed to help acquaint you with the integration of Oracle Banking Corporate Lending and Oracle Banking Payments in a co-deployed set up.

Besides this user manual, while maintaining the interface related details, you can invoke the context sensitive help available for each field. This help describes the purpose of each field within a screen. You can obtain this information by placing the cursor on the relevant field and pressing the <F1> key on the keyboard.

1.2 Audience

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

| Role | Function |
|-------------------------|--|
| Implementation Partners | Provide customization, configuration and implementation services |

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 | <i>Preface</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual. |
| Chapter 2 | This chapter helps you co-deploy Oracle Banking Corporate Lending and Oracle Banking Payments product in a single instance. |
| Chapter 3 | <i>Function ID Glossary</i> has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation. |

1.5 Acronyms and Abbreviations

| Abbreviation | Description |
|--------------|--|
| API | Application Programming Interface |
| FCUBS | Oracle FLEXCUBE Universal Banking |
| OBCL | Oracle Banking Corporate Lending |
| OL | Oracle Lending |
| ROFC | Rest of Oracle FLEXCUBE |
| System | Unless and otherwise specified, it shall always refer to Oracle FLEX-CUBE Universal Banking Solutions system |
| WSDL | Web Services Description Language |

1.6 Glossary of Icons

This user manual may refer to all or some of the following icons.

| Icons | Function |
|---|-------------|
|  | Exit |
|  | Add row |
|  | Delete row |
|  | Option List |

2. Corporate Lending - Payments Integration in Co-Deployed Setup

This chapter contains the following sections:

- [Section 2.1, "Introduction"](#)
- [Section 2.2, "Maintenances in OBCL"](#)
- [Section 2.3, "Maintenances in OBPM"](#)

2.1 Introduction

You can integrate Oracle Banking Corporate Lending (OBCL) with Oracle Banking Payments product (OBPM). To integrate these two products on co-deployed environment, you need to do specific maintenances in OBCL, Payments, and Common Core.

2.2 Maintenances in OBCL

The integration between Oracle Banking Corporate Lending (OBCL) and Oracle Banking Payments (OBPM) enables you to dispatch the loan disbursement through cross border payment by generating SWIFT MT103 and MT202 messages.

External System Maintenance

You can invoke this screen by typing 'GWDETSYS' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

You need to define an external system for a branch that communicates with the OBCL using integration gateway.

Note

Ensure in OBCL you maintain an active record with all the required fields and 'External System' as "INTBANKING" in 'External System Maintenance' screen.

| External System | Correlation Pattern |
|-------------------|---------------------|
| External System * | Request: Message ID |
| Description | |

| Message Exchange Pattern | Queue |
|--|---|
| Request Message: Input Only | Default Response Queue |
| Response Message: Full Screen | Dead Letter Queue |
| <input type="checkbox"/> XSD Validation Required | <input type="checkbox"/> Register Response Queue Message Id |

| External System Queues |
|------------------------|
| In Queue |
| Response Queue |

| FTP Parameters | Fields |
|----------------|----------------------|
| Maker | Date Time |
| Checker | Date Time |
| | Mod No |
| | Record Status |
| | Authorization Status |

For more information external system maintenances, refer to *Common Core - Gateway User Guide*.

Branch Maintenance

You need to create a branch in 'Branch Core Parameter Maintenance' (STDCRBRN) screen.

This screen is used for capturing basic branch details like branch name, branch code, branch address, weekly holiday, and so on.

You can invoke this screen by typing 'STDCRBRN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

| Maker | Date Time: | Mod No | Record Status |
|---------|------------|--------|----------------------|
| Checker | Date Time: | | Authorization Status |

You can specify a host for every branch created. To maintain host for different time zone, refer *Oracle Banking Payments Core User Manual*.

Note

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

Host Parameter Maintenance

You can invoke this screen by typing 'PIDHSTMT' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Note

In OBCL, ensure you maintain host parameter with an active record with all the required fields and 'OBCL Integration System' as 'INTBANKING' in 'Host Parameter' screen.

Specify the following details

Host Code

Specify the host code.

Host Description

Specify the brief description for the host.

Accounting System Code

Specify the accounting system code.

Payment System

Specify the payment system.

ELCM System

Specify the ELCM system.

OBCL Integration System

Specify the external system. For example, INTBANKING

Integration Parameters Maintenance

You can invoke this screen by typing 'IFDINPRM' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Note

Ensure you maintain an active record with all required fields and Service Name as “PMS-inglePaymentService” in ‘Integration Parameters Maintenance’ screen

Integration Parameters Maintenance

New Enter Query

Branch Code *
Description

External System *
Description

Offset Transaction Code
Description

Offset Amount Tag
Description

Amount Block Validation Required
Offset Required
Offset Netting Required
Allow Force Post

External User

1 Of 1 Go

| Service Name | Communication Channel | Communication Mode | Communication Layer | WS Service Name | WS Port | WS Endpoint URL | WS User | WS |
|--------------|-----------------------|--------------------|---------------------|-----------------|---------|-----------------|---------|----|
|--------------|-----------------------|--------------------|---------------------|-----------------|---------|-----------------|---------|----|

Maker Date Time: Mod No Record Status
Checker Date Time: Authorization Status Ok Exit

Branch Code

Specify as 'ALL' in case the integration parameters are common for all branches.

Or

Maintain for individual branches.

External System

Specify external system as 'INTBANKING'.

Service Name

Specify service name as 'PMSinglePaymentService'.

Communication Channel

Specify the communication channel as 'Web Service'.

Communication Mode

Specify the communication mode as 'ASYNC'.

WS Service Name

Specify the web service name as 'PMSinglePaymentService'.

WS Endpoint URL

Specify the WSDL of the services as 'Payment Single Payment Service' WSDL link.

WS User

Maintain the OBPM user with access to all branches and auto authorize facility.

Settlement Instruction Maintenance

Maintain the counter party with all required fields in the 'Settlement Instructions Maintenance' screen (LBDINSTR). For more information on settlement instructions, refer to *Loan Syndication* User Manual.

Inter system Bridge GL

You can invoke this screen by typing 'OLDISBGL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Note

Ensure you maintain an active record with all the required fields and 'External System' as 'INTBANKING' in 'Inter-system Bridge GL Maintenance' screen.

The screenshot displays the 'ISB GL Maintenance' application window. At the top, there are 'New' and 'Enter Query' buttons. The main area contains several input fields, each with a red asterisk indicating it is required. The fields are: 'External System *', 'Description', 'Module Id *', 'Description', 'Transaction Currency *', 'Description', 'Transaction Branch *', 'Description', 'Product Code *', 'Description', 'Function *', 'Description', 'ISB GL *', and 'Description'. At the bottom, there is a status bar with fields for 'Maker', 'Date Time:', 'Mod No', 'Record Status', 'Checker', 'Date Time:', 'Authorization Status', and an 'Exit' button.

External System

Specify the external system name as 'INTBANKING'.

Module Id

Specify the module code as 'OL'.

Transaction Currency

Specify the transaction currency 'ALL' or a specific currency.

Transaction Branch

Specify the transaction branch as 'ALL' or a specific branch.

Product Code

Specify the product code as 'ALL' or a specific product.

Function

Specify the transaction function ids as 'ALL' or a specific function id.

ISB GL

Specify an Inter System Bridge GL, where credit from OBCL for a loan disbursement is transferred. The same GL need to be maintained in OBPM for further processing.

2.3 Maintenances in OBPM

Source Maintenance

You can invoke this screen by typing 'PMDSORCE' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Note

Ensure you maintain an active record with all the required fields in 'Source Maintenance Detailed' screen.

Source Maintenance Detailed

New Copy Close Unlock Print Enter Query

Source Code * INTBANKING
Host Code * HOST_US
Description Internet Banking Channel

MIS Group _____
UDF Group _____

Source Type Upload

Prefunded Payments
 Prefunded Payments Allowed
Prefunded Payments GL 261100001

Duplicate Check Fields
Duplicate Check Period in Days 0

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

Auto Queue Preferences

Duplicate Check Fields

Maker OFCLUSER1 Date Time: 2017-04-07 05:57:55 Mod No 2 Record Status Open
Checker OFCLUSER1 Date Time: 2017-04-07 05:57:55 Authorization Authorized Status

Exit

Source code

Specify the source code as 'INTBANKING'.

Host code

Host code is defaulted automatically based on the branch.

Prefunded Payments Allowed

Select the 'Prefunded Payments Allowed' check box.

Prefunded Payments GL

Specify the Prefunded Payments GL same as the Inter System Bridge GL maintained in OLDISBGL for OBCL.

Notification Required

Select the 'Notification Required' check box.

External Notification Queue

You can invoke this screen by typing 'PMDEXTNT' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Note

Ensure you maintain an active record with all the required fields in "External Notification Queue" screen..

External Notification Queue Detailed

New Copy Close Unlock Print Enter Query

Host Code * HOST_US
Source Code * INTBANKING
Notification System Class OFCL

Communication Type Web Service
Timeout in Seconds

JMS Preferences

Outqueue JNDI Name
Q Profile

WebService Preferences

WebService URL http://10.184.159.212:750/FCUBSOLService/FCUBSOLService
Service FCUBSOLService

Maker OFCLUSER1 Date Time: 2017-04-07 05:57:45 Mod No 1 Record Status Open
Checker OFCLUSER1 Date Time: 2017-04-07 05:57:45 Authorization Authorized Status

Exit

Host and Source Code

Specify the source code as 'INTBANKING'. The host code gets defaulted based on source code.

The gateway external system setup to be done for a source code "INTBANKING".

Communication Type

Select the communication type as 'Web Service'

Notification System Class

Select the notification system class as 'OFCL'.

WebService URL

For a given Host code and Source code combination, a web service URL need to be maintained with the OL Service (FCUBSOLService) to get a notification call from OBPM to OBCL.

Service

Specify the webservice as 'FCUBSOLService'.

Source Network Preference

You can invoke this screen by typing 'PMDSORNW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Note

Ensure you maintain an active record in 'Source Network Preference Detailed' screen. The preference for various payment networks through which OBCL initiates a payment request needs to be maintained on this screen for the same source codes.

Source Network Preferences Detailed

New Enter Query

Host Code *
Source Code *
Network Code *
Transaction Type * Incoming

Description
Network Description
Payment Type ACH

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

| Rekey Field Name | Description |
|--------------------------|-------------|
| <input type="checkbox"/> | |

Maker Date Time: Mod No Record Status
Checker Date Time: Authorization Status

Exit

Host and Source Code

Specify the source code as 'INTBANKING'. The host code gets defaulted based on source code.

The gateway external system setup to be done for a source code "INTBANKING".

Network Code

Specify the network code as 'SWIFT'

Network Rule Maintenance

You can invoke this screen by typing 'PMDNWRLE' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

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

| Position | Scope | LOP Operand | Operator | ROP Type | ROP Data Type | ROP Operand |
|----------|-------|---------------|----------|----------|---------------|-------------|
| 1 | | 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

Note

Ensure you maintain an active record with all required fields in 'Network Rule Detailed' screen to route the OBCL request to the respective network.

For more information about Network Rule maintenance, refer to *Payments Core User Guide*.

ECA System Maintenance

Ensure you create an External Credit Approval Check system (DDA system) in the STDECAMT screen. Provide the required source system where the ECA check happens as indicated in the below screen.

External Credit Approval System

New Enter Query

Source System FCUBS
 Description FLEXCUBE

Maker Date Time: Mod No Record Status
 Checker Date Time: Authorization Authorized Status

Exit

You can invoke this screen by typing 'PMDECAMT' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Map the above mentioned ECA system in the 'External Credit Approval System Detailed' screen..

| Maker | Date Time: | Mod No | Record Status |
|---------|------------|--------|----------------------|
| Checker | Date Time: | | Authorization Status |

Inqueue JNDI Name

Specify the in queue JNDI Name as 'MDB_QUEUE_RESPONSE'.

Outqueue JNDI Name

Specify the out queue JNDI Name as 'MDB_QUEUE'.

Q Profile

Q Profile need to be maintained as per the MDB Queue created on the App Server. Q Profile need to be with an IP Address where the JMS Queue has been created.

The OBPM system posts the ECA request to DDA system through these MDB queues.

For more information about ECA System maintenance, refer to *Oracle Banking Payments Core User Guide*.

Queue Profile Maintenance

You can invoke this screen by typing 'PMDQPROF' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

| Maker | Date Time | Mod No | Record Status |
|---------|---------------------|----------------------|---------------|
| SUBIT2 | 2017-09-06 12:55:18 | 1 | Open |
| Checker | Date Time | Authorization Status | |
| SUBIT4 | 2017-09-06 12:58:38 | Authorized | |

Note

Ensure that you maintain Queue Profile in 'Queue Profile Maintenance' screen.

Profile ID

Specify the Queue Connection profile ID.

Profile Description

Specify the profile description

User ID

Specify the user ID.

Password

Specify the password.

Note

User ID and password are used for queue authentication. This ensures external system is allowed only to read or view the messages posted in messaging queue.

Context Provider URL

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

Note

OBPM build the ECA request with details and post to MDB_QUEUE. DDA system through GWMDB pulls the gateway request and call internally the ECA block process to create or undo the ECA block. Once the process is completed, the DDA system post the response through gateway infra to MDB_QUEUE_RESPONSE.

MDB_QUEUE_RESPONSE is configured with a redelivery Queue as jms/ACC_ENTRY_RES_BKP_IN. This Queue is internally pull the response through OBPM MDB to complete ECA processing in OBPM.

Accounting System Maintenance

You can invoke this screen by typing 'PMDACCMT' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



Note

Ensure that you need to maintain the required accounting system in 'External Accounting System Detailed' screen. In addition, maintain Account System Mapping for the Accounting System and Networks (PMDACMAP)

Inqueue JNDI Name

Specify the inqueue JNDI Name as 'MDB_QUEUE_RESPONSE'.

Outqueue JNDI Name

Specify the outqueue JNDI Name as 'MDB_QUEUE'.

Q Profile

Q Profile need to be maintained as per the MDB Queue created on the App Server. Q Profile needs to be with an IP Address where the JMS Queue has been created.

The OBPM system posts the Accounting handoff request through these MDB queues.

Note

OBPM build the Accounting Handoff request with details and post to MDB_QUEUE. Accounting system through GWMDB pulls the gateway request and call internally the External Accounting request. Once the process is completed, the Accounting system posts the response through gateway infra to MDB_QUEUE_RESPONSE.

MDB_QUEUE_RESPONSE is configured with a redelivery Queue as jms/ACC_ENTRY_RES_BKP_IN. This Queue internally pull the response through OBPM MDB to complete Accounting Handoff processing in OBPM.

2.4 Common Core Maintenance

The following common core maintenances need to performed for integration.

- Customer Maintenance
 - Create the customers in STDCIFCR.
- Account Maintenance
 - Create the Accounts (CASA / NOSTRO) in STDCRACC
- General Ledger Maintenance
 - Create the General Ledger in STDCRGLM.
- Tansaction code Maintenance
 - Create the Transaction code in STDCRTRN.
- OBPM to use OFCUB 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.
- Other Payments Maintenances
 - Refer Oracle Banking Payments Core User Manual, for the other Day 0 maintenances.

For detailed information on above mentioned screens, refer to *Oracle Banking Payments Core User Manual*.

3. Function ID Glossary

G

GWDETSYS2-1

I

IFDINPRM2-3

L

LBDINSTR2-5

O

OLDISBGL2-5

P

PIDHSTMT 2-2

PMDACCMT 2-12

PMDECAMT 2-10

PMDEXTNT 2-7

PMDNWRLE 2-8

PMDQPROF 2-10

PMDSORCE 2-6

PMDSORNW 2-8

S

STDCRBRN 2-2

STDECAMT 2-9