

Co-deployed Setup User Guide

Oracle FLEXCUBE Payments

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Oracle FLEXCUBE Payments Co-deployed Setup User 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 FLEXCUBE 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 FLEXCUBE Payments product in a single instance.

1.5 Glossary

This User Manual may refer to the following terms:

Abbreviation	Description
OFCUB/ FCUBS	Oracle FLEXCUBE Universal Banking

2. Integration Guide

2.1 Introduction

You can integrate Oracle FLEXCUBE Payments product with Oracle FLEXCUBE Universal Banking product (OFCUB). 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 OFCUB and Oracle FLEXCUBE Payments.

Web-logic set-up

Deployments:

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

- GW EJB
- GW MDB

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 1.

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

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main content area shows the 'Settings for MDB_QUEUE_RESPONSE' configuration page. The 'Overrides' tab is selected, and the 'Time-to-Live Override' field is highlighted with a red circle, showing a value of 1. Other fields include 'Priority Override' (set to -1) and 'Time-to-Deliver Override' (set to -1). The 'Delivery Mode Override' is set to 'No-Delivery'. The left sidebar shows the 'Domain Structure' and 'System Status' sections. The top navigation bar includes 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'.

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 "Configuration" tab is selected, and within it, the "Delivery Failure" sub-tab is active. The page contains several configuration fields with descriptive text to their right:

- Redelivery Delay Override:** A text input field containing "-1". Description: "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 destination; 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:** A text input field containing "0". Description: "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:** A dropdown menu with "Redirect" selected. Description: "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:** An empty text input field. Description: "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:** A dropdown menu with "jms/ACC_ENTRY_RES_BKP_IN" selected. Description: "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..."

On the left side of the console, there are several panels: "Change Center" (with "Activate Changes" and "Undo All Changes" buttons), "Domain Structure" (showing a tree view of the domain), "How do I..." (with links to configuration options), and "System Status" (showing health of running servers as of 3:24 PM).

Maintenance for Gateway:

GWDEFUN - Gateway External system function maintenance



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

Module	Post Upload Status
IF	Authorized
CA	Authorized

3. Maintenances to be done in OFCUB

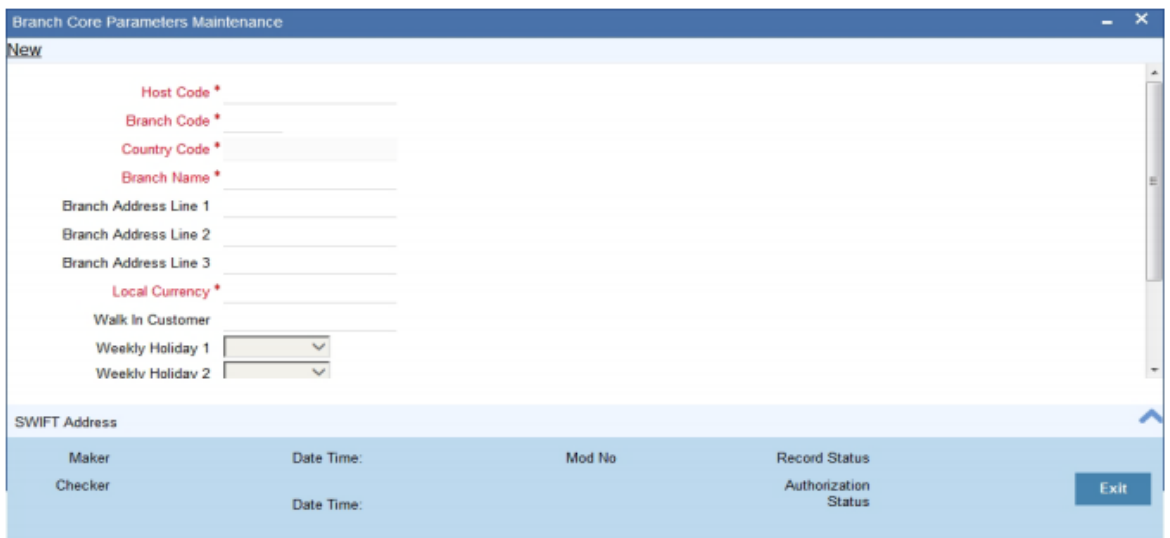
This section describes the specific maintenances, needed in Oracle FLEXCUBE Universal Banking (OFCUB) to install & integrate the same with Oracle FLEXCUBE Payments.

3.1 Branch Maintenance

Create branch in STDCRBRN screen in OFCUB.

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

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

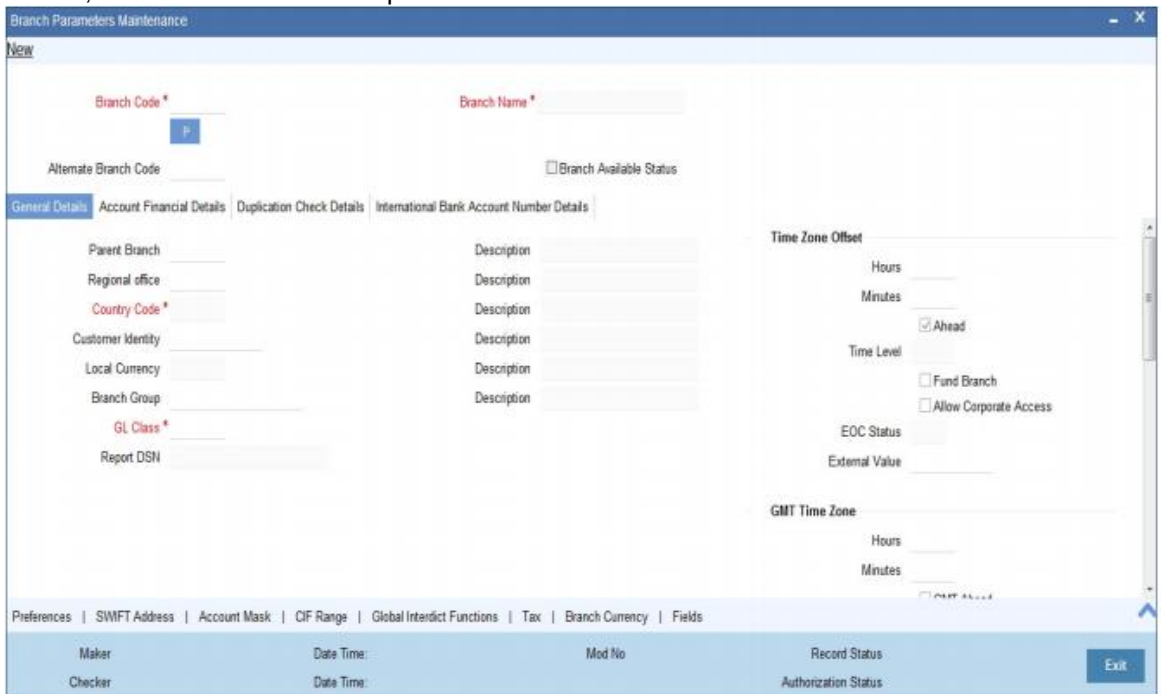


The screenshot shows the 'Branch Core Parameters Maintenance' window in Oracle FLEXCUBE. It is a 'New' record form with the following fields:

- Host Code *
- Branch Code *
- Country Code *
- Branch Name *
- Branch Address Line 1
- Branch Address Line 2
- Branch Address Line 3
- Local Currency *
- Walk In Customer
- Weekly Holiday 1 (dropdown)
- Weekly Holiday 2 (dropdown)

At the bottom, there is a 'SWIFT Address' section with fields for Maker, Date Time, Mod No, Record Status, Checker, Date Time, Authorization Status, and an Exit button.

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



The screenshot shows the 'Branch Parameters Maintenance' window in Oracle FLEXCUBE. It is a 'New' record form with the following fields and sections:

- Branch Code *
- Branch Name *
- Alternate Branch Code
- Branch Available Status

There are four tabs: General Details, Account Financial Details, Duplication Check Details, and International Bank Account Number Details. The 'General Details' tab is active and contains:

- Parent Branch
- Regional office
- Country Code *
- Customer Identity
- Local Currency
- Branch Group
- GL Class *
- Report DSN

On the right side, there are sections for 'Time Zone Offset' and 'GMT Time Zone', each with Hours and Minutes fields, and checkboxes for Ahead, Fund Branch, and Allow Corporate Access.

At the bottom, there is a 'Preferences' bar with links to SWIFT Address, Account Mask, CIF Range, Global Interdict Functions, Tax, Branch Currency, and Fields. Below this are fields for Maker, Date Time, Mod No, Record Status, Checker, Date Time, Authorization Status, and an Exit button.

3.2 BIC Maintenance

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

3.3 Other Common Maintenances

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

4. Maintenances to done in Oracle FLEXCUBE Payments

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

4.1 ECA System Maintenance

Create External Credit Approval Check system as 'FCUBS' in PMDECAMT screen and map it to the ECA system.

External Status Code	Status Description	System Status	Automatic Cancellation
<input type="checkbox"/>			

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. System will post the ECA request to UBS via these MDB queues.

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

STOP Oracle FLEXCUBE Payments build the ECA request with details mentioned in section 2.2 and post to MDB_QUEUE. OFCUB 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 OFCUB post the response via gateway infra to MDB_QUEUE_RESPONSE.

MDB_QUEUE_RESPONSE is configured with delivery queue as jms/ACC_ENTRY_RES_BKP_IN mentioned in section 2.2. This Queue is internally pull the response via Oracle FLEXCUBE Payments MDB to complete ECA processing in Oracle FLEXCUBE Payments.

Following are the Services and Operations used by Oracle FLEXCUBE Payments to post in to

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

4.2 Accounting System Maintenance

Maintain the accounting system as 'FCUBS' in PMDACMNT.

The screenshot shows a web-based configuration interface for an 'External Accounting System'. The interface includes a menu bar with 'New' and 'Enter Query' options. The main content area is split into two columns. The left column, titled 'Preferences', contains several text input fields: 'External Accounting System *', 'Description *', 'Outqueue JNDI Name', 'Context Provider URL', 'Timeout in seconds *', 'Inqueue JNDI Name', 'Initial Context Factory Class', and 'Queue Factory JNDI'. The right column, titled 'Queue Authentication', features a checkbox for 'Queue Authentication Required', followed by 'User ID' and 'Password' text input fields. At the bottom of the window, a status bar displays fields for 'Maker', 'Checker', 'Date Time:', 'Date Time:', 'Mod No', 'Record Status', and 'Authorization Status'. An 'Exit' button is positioned in the bottom right corner of the status bar.

Maintain the In queue JNDI Name as MDB_QUEUE_RESPOMSE, Outqueue JNDI Name as MDB_QUEUE & Q Profile (refer section 2.4.5). The Oracle FLEXCUBE Payments system will post the Accounting handoff request to OFCUB via these MDB queues.

STOP Oracle FLEXCUBE Payments build the Accounting Handoff request with details mentioned in section 2.2 and post to MDB_QUEUE. OFCUB via GW MDB pulls the gateway request and call internally the External Accounting request. Once the process is completed, the OFCUB 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 is internally pull the response via Oracle FLEXCUBE Payments MDB to complete Accounting Handoff processing in Oracle FLEXCUBE Payments.

Following is the Service and Operation used by Oracle FLEXCUBE Payments to post in to OFCUB:

FCUBSIFService - CreateExtAccEcaEntries (Operation)

4.3 Customer Maintenance

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

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

4.4 Account Maintenance

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

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

4.5 General Ledger Maintenance

Create the General Ledger in OFCUB system which will be automatically replicated and displayed at STDCRGLM in Oracle FLEXCUBE Payments.

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

4.6 Transaction code Maintenance

Create the transaction code in OFCUB system which will be automatically replicated and displayed at STDCRTRN in Oracle FLEXCUBE Payments.

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

4.7 Other Payments Maintenances

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