

Oracle FLEXCUBE UBS - Oracle FLEXCUBE Payments
Integration

Oracle FLEXCUBE Universal Banking

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Oracle FLEXCUBE UBS - Oracle FLEXCUBE Payments Integration User Guide
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1. Preface

1.1 Introduction

This document helps you get acquainted with the information on inter-connecting Oracle FLEXCUBE Universal Banking System (FCUBS) with Oracle FLEXCUBE Payments (PM).

Besides this user manual, while maintaining the interface related details, you can invoke the context sensitive help available for each field in FCUBS. 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 striking the <F1> key on the keyboard.

1.2 Audience

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

Role	Function
Back office data entry Clerks	Input functions for maintenance related to the interface
End of day operators	Processing during end of day
Implementation Teams	For setting up integration

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 chapter is organized into 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	<i>Oracle FCUBS - Payments Integration</i> explains the integration between Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Payments.

1.5 Acronyms and Abbreviations

Abbreviation	Description
System	Unless and otherwise specified, it always refers to Oracle FLEXCUBE Universal Banking system
FCUBS	Oracle FLEXCUBE Universal Banking System
PM	Oracle FLEXCUBE Payments
Source System	Oracle FLEXCUBE Universal Banking System (FCUBS)
FX	Foreign Exchange

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

1.7 Related Information Sources

Along with this user manual you may also refer the following related resources:

- Oracle FLEXCUBE Universal Banking Installation Manual
- Foreign Exchange User Manual
- General Ledger User Manual

2. Oracle FCUBS - Payments Integration

The integration between the Oracle FLEXCUBE Universal Banking System (FCUBS) and Oracle FLEXCUBE Payments (PM) allows you to trigger notification during creation, modification or authorization of Customer, Customer Account, Currency Rate, GL Code and Transaction Code. The integration also allows you to provide response to the external system request on exchange rate lookup and utilization, de-utilization of an FX contract.

The integration allows FCUBS modules to request the External payment System for outgoing payment processing and SWIFT Payment Message (Customer Transfer and Bank Transfer) generation.

This chapter contains the following sections:

- [Section 2.1, "Scope"](#)
- [Section 2.2, "Prerequisites"](#)
- [Section 2.3, "Integration Process"](#)

2.1 Scope

This section describes the scope of the integration with respect to FCUBS and PM. This section contains the following topics:

- [Section 2.1.1, "Generating Notifications for External Systems"](#)
- [Section 2.1.2, "Exchange Rate Lookup and Utilization/De-utilization of FX Contract"](#)
- [Section 2.1.3, "Integration with External System for Outgoing Payment"](#)

2.1.1 Generating Notifications for External Systems

You can generate notification to an external system if the following details are created, modified or authorized in FCUBS:

- Customer
- Customer Account
- Currency Rate
- GL Code
- Transaction Code

2.1.2 Exchange Rate Lookup and Utilization/De-utilization of FX Contract

You can process exchange rate lookup and utilization or de-utilization on an FX contract linked to an external payment system. The system hands over the process response along with the exchange rate details to the external system.

2.1.3 Integration with External System for Outgoing Payment

All modules interfacing with PC module, for outgoing payment, interfaces with External Payment System for payment processing. All modules interfacing with FT and IS module, for Payment Message (Customer Transfer and Bank Transfer) generation, interfaces with External Payment System for message generation

2.2 Prerequisites

Set up Oracle FLEXCUBE Universal Banking Application and Oracle FLEXCUBE Payments Application.

Refer the 'Oracle FLEXCUBE Universal Banking Installation' manual.

2.3 Integration Process

This section contains the following topic:

- [Section 2.3.1, "Notification Handoff to External System"](#)
- [Section 2.3.2, "FX Linked to External Payment System"](#)
- [Section 2.3.3, "Integration with External System for Outgoing Payment"](#)

2.3.1 Notification Handoff to External System

Notification framework in FCUBS is used to communicate the business event in FCUBS to external systems. Depending on the event an XML message is send to external system queues.

You can trigger notification message to an external system when the following details are created or modified on authorization:

- Customer
- Customer Account
- Currency Rate
- GL Code
- Transaction Code

The system generates a notification when the above created or modified details are authorized.

2.3.2 FX Linked to External Payment System

You can process exchange rate lookup and utilization or de-utilization request if an FX contract is linked to an external payment system.

Processing Exchange Rate Lookup Request

- The external system sends a request to FCUBS to process exchange rate lookup of a linked FX contract.
- The system provides the FX rate as request response.

Processing Utilization Request

- The external system sends a message to FCUBS to process utilization on the linked FX contract.
- The incoming utilization request is picked by FCUBS and the system generates the process response along with the FX exchange rate and hands over to the external system through the queue.

Processing De-utilization Request

- To reverse a payment the external system sends message to FCUBS to process de-utilization on the linked FX contract.

- The source system picks the incoming message of de-utilization request and generates the de-utilization details as response along with the exchange rate details.

2.3.3 Integration with External System for Outgoing Payment

The integration allows FCUBS modules to request External payment System for outgoing payment processing and SWIFT Payment Message (Customer Transfer and Bank Transfer) generation.

Maintaining External Payment System

You can capture the details of external payment system in External Payment System Maintenance screen. You can invoke this screen by typing 'IFDEPSMT' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

You can maintain the following details in this screen:

External System

Specify the name of the External Payment System.

Description

Give a brief description on External Payment System specified.

Inter System Bridge GL

Specify the Bridge GL account for Inter System Accounting. Alternatively, you can select the Inter System Bridge GL from the option list. The list displays all valid options.

Source System

Specify the name of the source system.

Read Time Out (In Seconds)

Specify the web service read time out in seconds.

Connection Time Out (In Seconds)

Specify the web service connection time out in seconds.

Service Code

Select the service code from the drop-down list. The list displays 'GenPayMessage' value which indicates single payment service.

Service Name

Specify the web service name.

Operation Code

Specify the web service operation code.

Web Service User Option

Select the web service user option from the drop-down list. The list displays the following values:

- Contract User - the user saving or authorizing the contract
- Predefined User - the user defined in 'Web Service User' field

Web Service User

Specify the web service user ID. This field is applicable only if 'Web Service User Option' is selected as 'Predefined User'.

Web Service URL

Specify the web service URL.

You can view the external payment system maintenance details in 'External Payment System Summary' screen. You can invoke the summary screen by typing 'IFSEPSMT' in the top right corner of the Application toolbar and clicking adjoining arrow button.

External Payment System Queue

You can view the details of payment request sent or to be send to an external payments system through 'External Payment System Queue' screen. You can invoke this screen by typing 'IFDEPSQU' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

External Payment System Queue Detailed

Execute Query

Queue Reference Number*

External Payment System Reference number

Related Reference Number

Customer Reference Number

Process Status

Contract Reference Number

Initiating Module

Event Sequence Number

Amount Tag

Main Parties Parties Other Details

Host Code

Service Level Proprietary

Transaction Branch

Initiation Date YYYYMMDD

Requested Execution Date YYYYMMDD

Activation Date YYYYMMDD

Transfer Type Customer

Transfer Currency

Transaction Amount

Service Code

Source Code

WebService User

Customer No

Debtor Details

Name

Account Number

Account Currency

Account Branch

Error Information

Cancel

Queue Reference Number

Specify the queue reference number and click 'Execute Query' to view the details of payment request sent to external payment system.