

Oracle FLEXCUBE UBS - Common Core Integration

Oracle FLEXCUBE Universal Banking

Release 14.6.1.0.0

Part No. F61251-01

August 2022

Oracle FLEXCUBE UBS - Common Core Integration User 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

<https://www.oracle.com/industries/financial-services/index.html>

Copyright © 2007, 2022, 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. Preface	1-1
1.1 Introduction	1-1
1.2 Audience.....	1-1
1.3 Documentation Accessibility	1-1
1.4 Organization	1-1
1.5 Acronyms and Abbreviations.....	1-2
1.6 Glossary of Icons.....	1-2
1.7 Related Information Sources	1-2
2. Oracle FCUBS - Common Core Integration	2-1
2.1 Scope	2-1
2.2 Prerequisites.....	2-1
2.3 Integration Process.....	2-1
2.3.1 <i>Technical Flow</i>	2-1
2.3.2 <i>Core Entity Processing Queue</i>	2-2
2.3.3 <i>Installation Parameters</i>	2-4
2.3.4 <i>Integration Maintenance</i>	2-5
3. Function ID Glossary	3-1

1. Preface

1.1 Introduction

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

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 - Common Core Integration</i> explains the integration between Oracle FLEXCUBE Universal Banking and Common Core.

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
ASYNC	Asynchronous
GUI	Graphic User Interface

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
- Common Core - Core Entities and Services User Guide
- Core Services User Guide

2. Oracle FCUBS - Common Core Integration

Common Core caters to the basic maintenances such as bank and branch parameters, currency definition, rates, holiday maintenance, time zones, BIC maintenance, MIS class/codes, Generic interface (GI), End of cycle subsystem, UDF subsystem and the Electronic messaging system.

Core entities such as system dates, currency definition, currency rates and holiday calendar will be accessed by FCUBS.

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 Common Core.

With the integration FCUBS entities can populate common core entities like Customer, Account, GL, transaction code. This population is enabled through gateway interface.

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 topics:

- [Section 2.3.1, "Technical Flow"](#)
- [Section 2.3.2, "Core Entity Processing Queue"](#)
- [Section 2.3.3, "Installation Parameters"](#)
- [Section 2.3.4, "Integration Maintenance"](#)

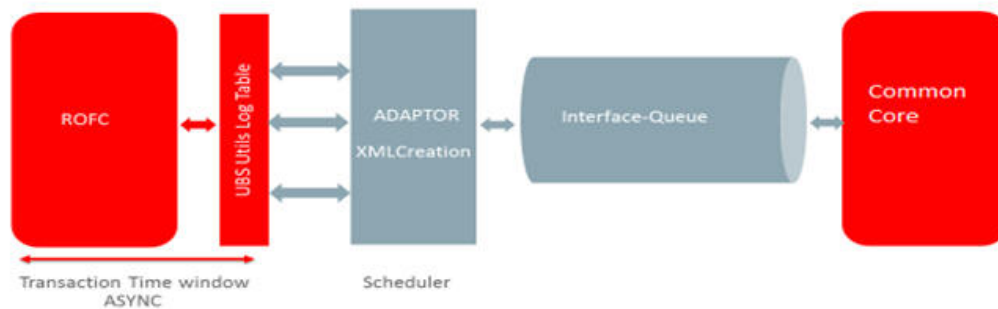
2.3.1 Technical Flow

The system populates core entities through an ASYNC process. The below steps describes the integration flow in detail:

- After creation of core entities in FCUBS, requests are logged in existing UBS Queue table with 'X' status. After completing the authorization in FCUBS, status will be changed to 'P' in Queue table.
- A Job will pick these Core entity requests which are in pending status and form the web service XML requests.
- System creates a consolidated XML request for each transaction reference.

- Based on the Core System response, status of the request will be updated in FCUBS. Status can be Work in Progress (W) Processed (P) and Error.

Transaction- Technical Flow ASYNC



2.3.2 Core Entity Processing Queue

You can query and perform manual actions on requests using the 'Core Entities Processing Queue' screen. You can invoke this screen by typing 'IFDCRERQ' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

Core entity request is moved to Timed out status based on the time out parameter maintained. If no response is received from the external system within the given time, status is marked as timed out.

Core Entity Error Queue

Save Refresh Reset Clear All Details

Case Sensitive

Branch Code External Status Key Id Process Sequence No

Records per page: 15 1 of 1 Lock Columns: 0

Branch Code	Message Identification	Key Id	Process Sequence No	Service Code	External Status	Function	Customer No	Destination Source	Process	Author
IUT	IUTLRE2181790053	IUTLRE2181790005	1	CreateCoreCLAcc	Failed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181790073	IUTLRE2181790007	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181790093	IUTLRE2181790009	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860083	IUTLRE2181860008	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860084	IUTLRE2181860008	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860085	IUTLRE2181860008	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860086	IUTLRE2181860008	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860087	IUTLRE2181860008	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860093	IUTLRE2181860009	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860094	IUTLRE2181860009	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860095	IUTLRE2181860009	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860096	IUTLRE2181860009	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181860097	IUTLRE2181860009	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181940043	IUTLRE2181940004	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A
IUT	IUTLRE2181940053	IUTLRE2181940005	1	CreateCoreCLAcc	Unprocessed	STDCRCLN	000181	FCCORE	N	A

Error Message

Error Description Error Code

Request Currently in Progress. Please Retry After SomeTime. ST-EXQ-001

Failed to Process the Request ST-SAVE-028

OK

Re-Submit | Reject | Error Messages

Exit

In the above screen, you can base your queries on any or all of the following parameters and fetch records:

- Branch Code
- Key ID
- Process Sequence No
- External Status

By default all error records shall be displayed.

Select any or all of the above parameters for a query and click 'Search' button. The system displays the following records meeting the selected criteria:

- Branch Code
- Message Identification
- Key Id
- Process Sequence No
- Service Code
- Process Status
- External Status
- Function Id
- Customer No
- Destination Source
- Process
- Authorization Status
- Request Type
- Reference Number
- Simulation
- Time
- Communication Mode
- Checker ID
- Checker Date Stamp
- Maker ID
- Release Time
- Source Sequence No

You can click 'Resubmit' and 'Reject' buttons in the bottom of the screen to process the error records. External status field will display the type of error like Timeout, Failed etc.

You can submit the record for processing again by selecting single or All records and clicking 'Resubmit' button. If the record fails, then the error details can be viewed by clicking 'Error Messages' button.

The screenshot shows the 'Core Entity Error Queue' window. On the left, there's a table with columns 'Branch Code' and 'Message Identification'. A record with Message Identification '6118207000006301' is selected. The right pane shows 'Error Details' for this record: 'ST-SAVE-004-Failed to Save the Record ST-VALS-011-Invalid Value 000757555175 for Field Multi Currency Account'. At the bottom, there's a table with columns: 'Branch Code', 'Message Identification', 'Sequence Number', 'Action', 'Status', 'Error Code', 'Error Message', 'Action Code', 'Action Message', 'Action Code', 'Action Message'. The bottom of the window has buttons for 'Resubmit', 'Reject', 'Error Messages', and 'Exit'.

Branch Code	Message Identification
☐	000 6118199000001288
☐	000 6118200000001415
☐	000 6118205000004310
☐	000 6118205000004317
☒	000 6118207000006301
☐	000 6118205000003116
☐	000 6118201000002277
☐	PR1 6118204000003000
☐	000 6118205000003114
☐	000 6118206000004740
☐	000 6118206000005316
☐	000 6118206000005330
☐	000 6118206000005668
☐	000 6118204000002836
☐	000 6118206000004685

Branch Code	Message Identification	Sequence Number	Action	Status	Error Code	Error Message	Action Code	Action Message	Action Code	Action Message
000	6118207000006301	1	CreateCoreAcc	Unprocessed	STDCRACC	000257	FCCORE	N		
000	6118206000005316	1	CreateCoreAcc	Unprocessed	STDCRACC	000258	FCCORE	N		
000	6118206000005330	1	CreateCoreAcc	Unprocessed	STDCRACC	000258	FCCORE	N		
000	6118206000005668	1	CreateCoreAcc	Unprocessed	STDCRACC	000192	FCCORE	N		
000	6118204000002836	1	CreateCoreGL	Unprocessed	STDCRGLM		FCCORE	N		

You can also reject such records by clicking 'Reject' and can manually create these records in Core.

The records that failed due to processing should be handled operationally.

2.3.3 Installation Parameters

Common core integration through gateway services can be achieved only if the external adapter plug-in in the GUI installer is enabled.

2.3.4 Integration Maintenance

You can maintain external services using 'External Service Maintenance' screen. You can invoke this screen by typing 'IFDEXSER' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

External Service Maintenance

New Enter Query

External System *
External User *
Description

1 Of 1 Go

Type	Service Name	WS Endpoint URL	Rest Service Context	Rest Service IP	Rest Service
------	--------------	-----------------	----------------------	-----------------	--------------

Maker
Checker

Date Time:
Date Time:

Mod No

Record Status
Authorization Status

Ok Exit

You can maintain the following in this screen:

External System

Specify the external system 'FCCORE'. Alternatively, you can select the external system from the option list. The list displays all valid values maintained in the system.

Note: User should maintain external system as 'FCCORE' (This is applicable for Core entities i.e. Customer, Account, GL Code and TRN code) because it depends on static data as well

Description

The system displays the description based on the external system selected.

External User

Specify the external user. From this user, core entities would be created in core system

External System Type

The system defaults the External System Type.

External System AppID

Specify the External System AppID.

Archival Days

Specify the archival days.

Rest Services Secured

Select the check box.

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.

Retry Count

Specify the retry count for reprocessing the records.

Type

Select the type from the drop-down list i.e. Soap request/Rest service.

Service Name

Specify the service name as 'FCUBSCoreentitiesService'. Alternatively, you can select the service name from the option list. The list displays all valid service name maintained in the system.

WS Endpoint URL'Provide WS endpoint URL for the 'FCUBSCoreentitiesService' service.

Rest Service Context

The system displays the rest service context.

Rest Service IP

The system displays the rest service IP.

Rest Service Pattern

The system displays the rest service pattern.

Note

1. If "FCCORE" is already existed, User can modify the following.
 - "Modify WS Endpoint URL where "FCUBSCoreentitiesService" is installed.
 - "Modify the External User to desired user.
 2. For all requests, SOURCE set as SOURCE_SYSTEM value in CSTB_PARAM.
 3. For maintained SOURCE_SYTEM value, GW maintenance need to be done. (*Refer the section 'Access Rights to an External System' in 'Common Core - Gateway' user guide*)
-

3. Function ID Glossary

F

FDEXSER'2-5

I

IFDCRERQ 2-2

IFDEXSER 2-5