

Oracle FLEXCUBE UBS - Common Core - OBMA Core
Integration

Oracle FLEXCUBE Universal Banking

Release 14.5.2.0.0

Part No. F45976-01

August 2021

Oracle FLEXCUBE UBS - Common Core - OBMA Core Integration
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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 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 Common Core-OBMA Core Integration</i> explains the integration between ODT Core and OBMA Core.
Chapter 3	Function ID Glossary

1.5 Acronyms and Abbreviations

Abbreviation	Description
ASYNC	Asynchronous
FCUBS	Oracle FLEXCUBE Universal Banking System
OBMA	Oracle Banking Microservices Architecture
OBRH	Oracle Banking Routing Hub
ODT	Open Development Tools
REST	Representational State Transfer
SOAP	Simple Object Access Protocol
System	Unless and otherwise specified, it always refers to Oracle FLEXCUBE Universal Banking system

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
	First
	Last
	Previous
	Next
	Minimize
	Single View
	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 Common Core - OBMA Core Integration

Common Core caters to the basic maintenances such as bank and branch parameters, currency, Rate Type, Currency Holiday, Exchange rate, and Local Holiday.

Core entities will be maintained in the common core and it has to be replicated to OBMA Core, so OBMA Products can access these OBMA Core entities. The list of Core entities are:

- System dates
- Currency definition
- Currency rates
- Holiday calendar

This section 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 Common Core and OBMA Core.

With the integration Common Core entities can populate OBMA Core entities like currency, Rate Type, Currency Holiday, Exchange rate, and Local Holiday.

2.2 Prerequisites

Set up Oracle FLEXCUBE Universal Banking Application and Oracle Banking Microservices Architecture Applications.

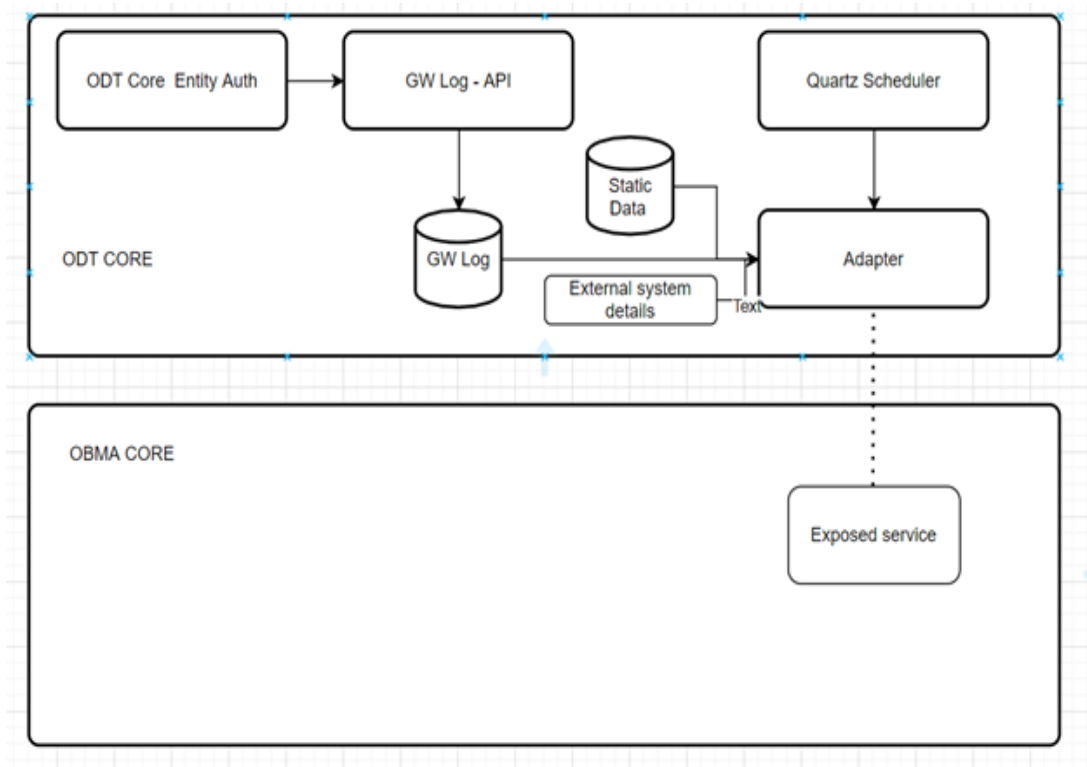
2.3 Integration Process

This section contains the following topics:

- [Section 2.3.1, "Technical Flow"](#)
- [Section 2.3.2, "Core External system maintenance screen"](#)
- [Section 2.3.3, "Scheduler JOB for Replication"](#)

2.3.1 Technical Flow

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



- Whenever the entities are saved the replication request will be stored with status as X, The status X indicates that it is not yet ready for replication. Whenever the entities are authorized the replication request will be updated with status as U, The status U indicates that it is ready for replication.
- 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 OBMA Core System response, the status of the request will be updated in FCUBS. Status can be Work in Progress (W) Processed (P) and Error.

2.3.2 Core External system maintenance screen

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

Core External Service Maintenance

New Enter Query

External System *
External User *
Read Time Out (In Seconds)
External System AppID CMNCORE

Description
Retry Count
Connection Time Out (In Seconds)
External System Type Default

1 Of 1 Go

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

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

Ok Exit

You can specify the following details:

External System

Specify the external system. Alternatively, users can select the external system from

the option list. The list displays all valid values maintained in the system to capture the External System code.

Description

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

External User

Specify the external user. This will be used to send in replication request.

Retry Count

To capture the maximum retry count if replication request failed due to technical failure.

Read Time Out (In Seconds)

To capture the read time out in seconds.

Connection Time Out (In Seconds)

To capture the connection time out for connecting to external system.

External System AppID

To capture the external system Application id.

External System Type

This is to decide what type of system to communicate. The dropdown lists the below values,

- Default
- OBMA

- OBRH
- Pricing

Type

Select the type from the drop-down list i.e. SOAP request/REST request.

Service Name

The system captures the Service name used in replication request.

WS Endpoint URL

WS Endpoint URL is used for sending replication request to destination system.

Rest Service Context

The system captures the Rest-Service link used for sending replication request to destination system.

Rest Service IP

The system displays the rest service IP.

Rest Service Pattern

The system displays the rest service pattern.

Rest Service Port

This field is used to capture the rest service port.

2.3.3 Scheduler JOB for Replication

Users can perform the Pause or Resume operation using the Job Details screen. Users can invoke this screen by typing 'SMSJOBBER' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

The screenshot shows the 'Job Details' window with the following fields and controls:

- Save** and **Reset** buttons at the top left.
- Case Sensitive** checkbox.
- Job Name**: CORE_EXTASYNC_CALL (with a search icon).
- Job Group**: (empty field with a search icon).
- State**: (empty field with a search icon).
- Next Fire Time**: (empty field with a search icon).
- Scheduler**: (empty field with a search icon).
- Records per page**: 15 (dropdown).
- Navigation**: First, Previous, 1 Of 1, Next, Last, Go.
- Lock Columns**: 0 (dropdown).
- Table**:

<input type="checkbox"/>	Job Name	Job Group	State	Next Fire Time	Scheduler	Error
<input type="checkbox"/>	CORE_EXTASYNC_CALL	EXTSYS	Scheduled	8/23/2021, 1:24:00 PM	SchedulerFactory	
- Pause** and **Resume** buttons at the bottom left.
- Exit** button at the bottom right.

On Job Name, users can click the search icon and select CORE_EXTASYNC_CALL to replicate ODT core entities to OBMA Core entities. Users need to click on the Search button to view the job record. The job is scheduled to run every 5 minutes.

The parameter name for replication is OBMA_CORE_REP_REQ. This parameter has two options,

- Y- Replication required
- N- Replication not required

The defaulted option for the parameter is N. Users can modify the choice to Y if replication is required.

3. Function ID Glossary

I

IFDCREXS2-3

S

SMSJOBBER 2-4