Oracle FLEXCUBE UBS - Common Core - OBMA Core Integration

Oracle FLEXCUBE Universal Banking

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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 Critical Patches

Oracle advices customers to get all their security and vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by Oracle Software Security Assurance.

1.5 Organization

This chapter is organized into following chapters:

Chapter	Description
Chapter 1	*Preface* gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	*Oracle Common Core-OBMA Core Integration* explains the integration between ODT Core and OBMA Core.
Chapter 3	Function ID Glossary

1.6 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

1.7 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

1.8 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, Currency Pair, Rate Type, Currency Holiday, Exchange rate, Local Holiday and Core Branch Maintenance.

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:

- Currency
- Currency Pair
- Rate Type
- Currency Holiday
- Exchange rate
- Local Holiday
- Core Branch Maintenance

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
- Currency Pair
- Rate Type
- Currency Holiday
- Exchange rate
- Local Holiday
- Core Branch Maintenance

2.2 Prerequisites

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

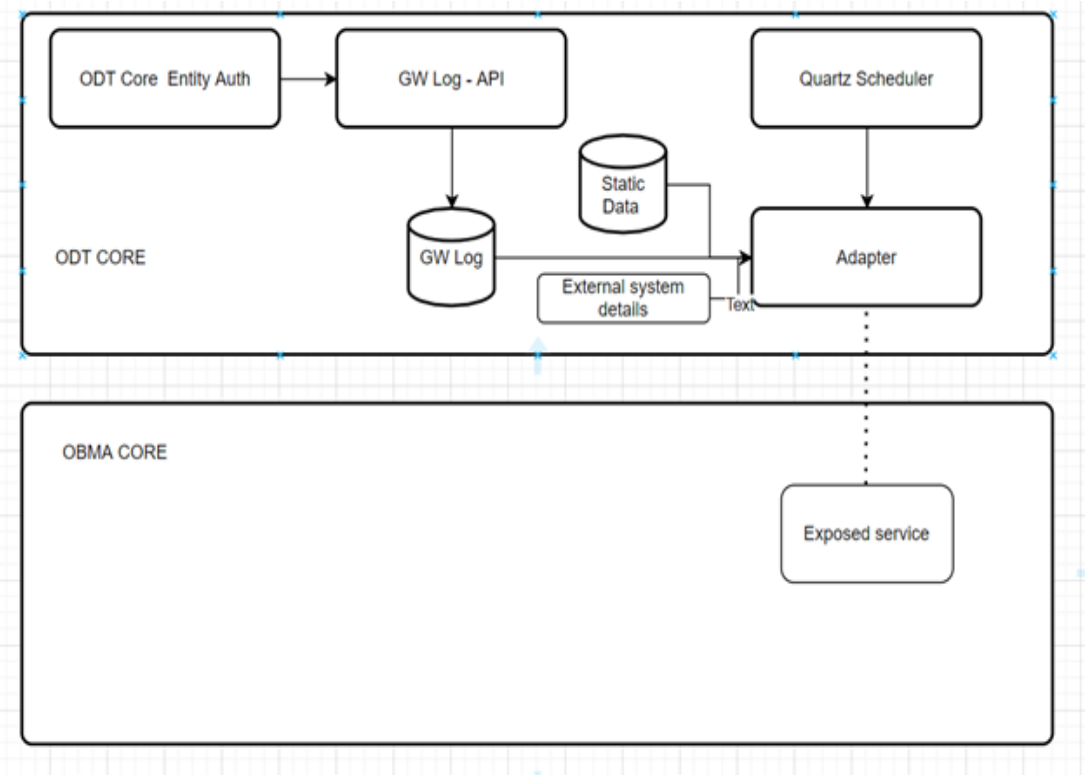
2.3 Integration Process

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"
- Section 2.3.4, "Error Queue Screen"

2.3.1 Technical Flow

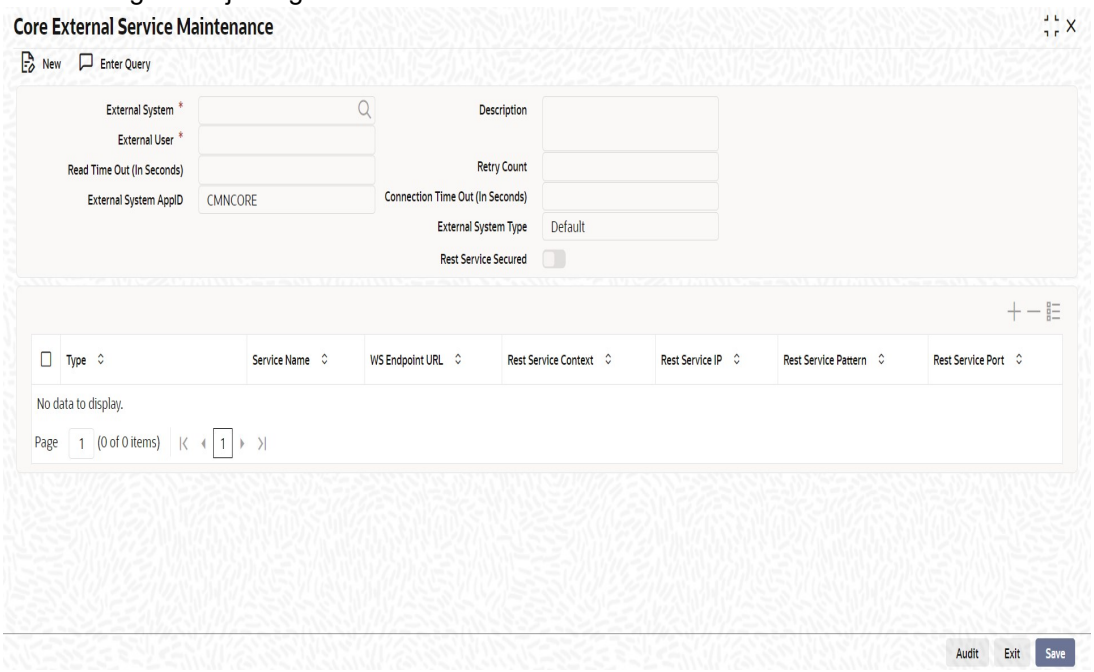
The system populates core entities through an ASYNC process. The below steps describes the integration flow in detail:



- 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.



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

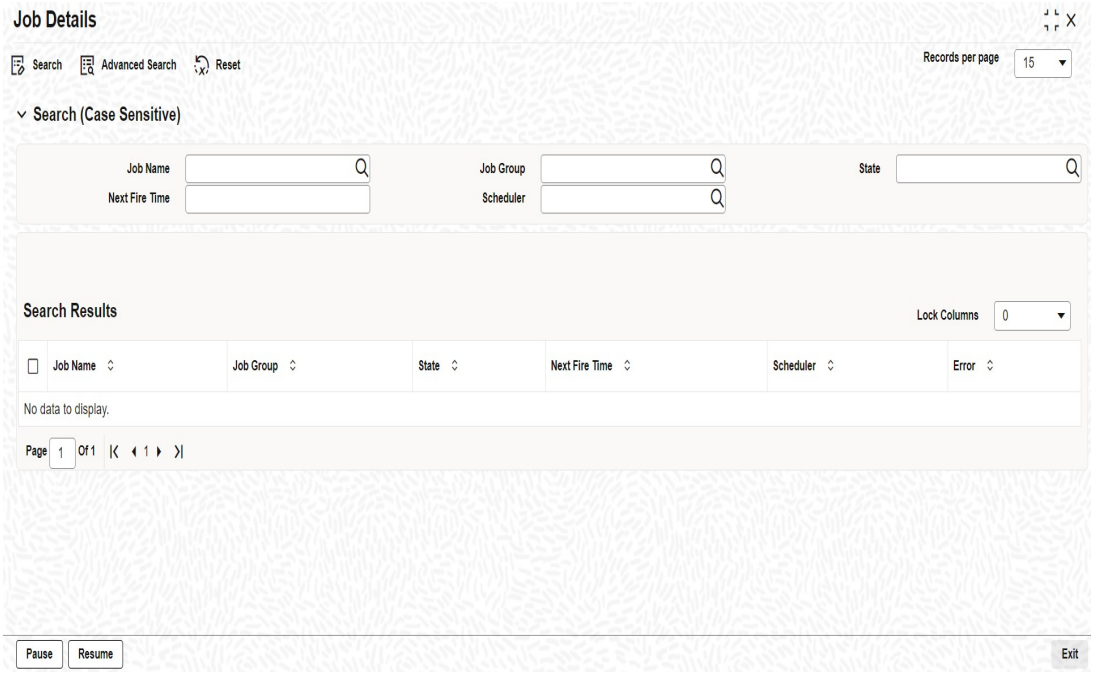
The system displays the rest service pattern.

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 'SMSJOBBR' in the top right corner of the Application toolbar and clicking the adjoining arrow button.



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.

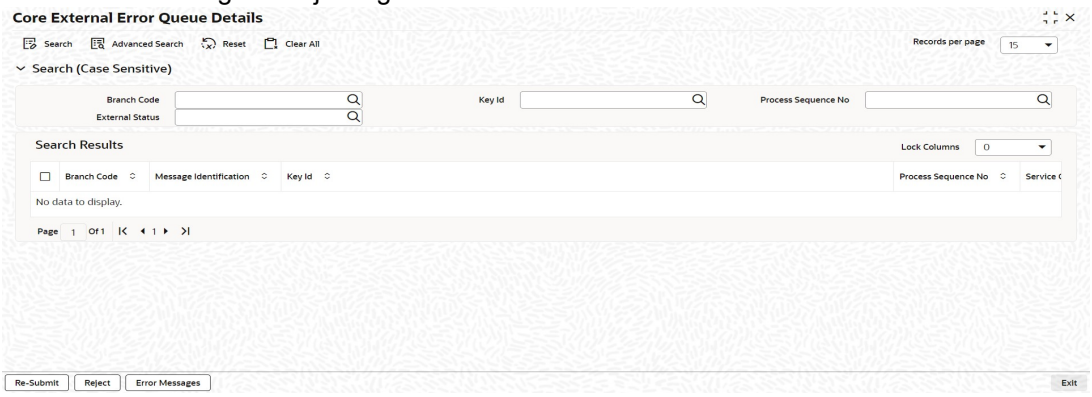
The parameter name for replication is OBMA_CORE_REP_REQ. This parameter has two options,

- 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.

2.3.4 Error Queue Screen

Users can re-submit or reject the Failure replication request using the Error Queue screen. Users can invoke this screen by typing 'IFSOBERQ' in the top right corner of the Application toolbar and clicking the adjoining arrow button.



The Failure replication request categories are:

- Functional Failure - Any function failure from an external system. For e.g any data validations. The Process status is **P**, and the External status is **E**.
- Technical Failure - Time out error from an external system. The Process status is **P**, and the External status is **T**.
- Technical Failure at Source - Interface data maintenance is wrong(Restservice URL etc.,). The Process status is **P**, and the External status is **U**.

Users need to select the records to perform the following operations.

- Re-Submit
- Reject
- Error Message

Re-Submit

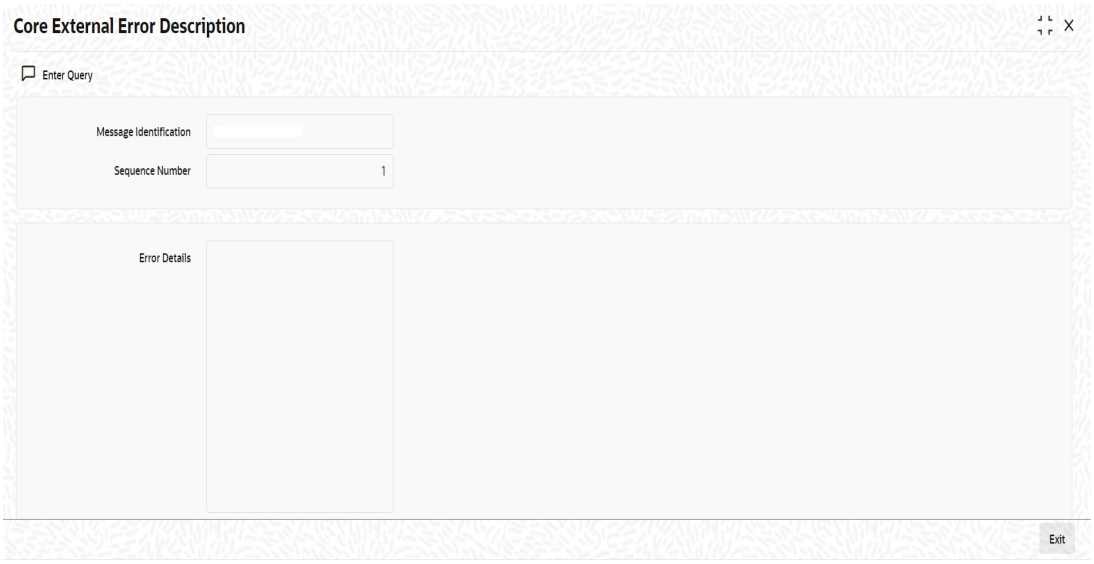
The request status will be updated as **U**. The scheduler will pick up the request and re-send for replication.

Reject

The request status will be updated as **R**, No further action on the request.

Error Message

Users can view the Core External Error Description with Error details received from the OBMA system.


Core External Error Description
Enter Query
Message Identification
Sequence Number
1
Error Details
Exit

3. Function ID Glossary

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