Oracle Banking Trade Finance - FCUBS Relationship Pricing Integration

Oracle Banking Trade Finance

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OBTF-FCUBS Co-deployed Setup
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1. Preface

1.1 Introduction

This document helps you acquaint with the information on inter-connecting Oracle Banking Trade Finance (OBTF) with Oracle FLEXCUBE Universal Banking System (FCUBS).

Besides this user manual, while maintaining the interface related details, you can invoke the context sensitive help available for each field in OBTF. 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 manual is organized into the following chapters:

Chapter	**Description**
Chapter 1	*Preface* gives information on the intended audience. It lists the various chapters covered in this User Manual.
Chapter 2	*OBTF - FCUBS RP* Integration explains integration between Oracle Banking Trade Finance and Oracle FLEXCUBE Universal Banking System for Relationship Pricing.

1.5 Acronyms and Abbreviations

This User Manual may refer to all or some of the following terms:

Abbreviations	Description
ASYNC	Asynchronous
FCUBS	Oracle FLEXCUBE Universal Banking
OBTF	Oracle Banking Trade Finance
RP	Relationship Pricing
SYNC	Synchronous
System	Unless and otherwise specified, it always refers to Oracle Banking Trade Finance system
XML	Extensible Mark-up Language
XSL	Extensible Stylesheet Language

1.6 Related Information Sources

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

- Letters of Credit User Guide
- Bills and Collections User Guide
- Charges and Fees User Guide
- Commission User Guide
- Interest User Guide

2. OBTF – FCUBS RP Integration

The integration between Oracle Banking Trade Finance (OBTF) and Oracle FLEXCUBE Universal Banking (FCUBS) enables you to get Relationship pricing rate for Charges / Commission / Interest / Exchange rate from FCUBS to OBTF.

The transfer of data from FCUBS to OBTF is performed by a synchronous call to FCUBS GW service which is invoked by OBTF Adapter.

This chapter contains the following sections:

- Section 2.1, "Scope"
- Section 2.2, "Prerequisites in Oracle Banking Trade Finance"
- Section 2.3, "Prerequisites in Oracle FLEXCUBE Universal Banking"
- Section 2.4, "Integration Architecture"
- Section 2.5, "Integration Process"
- Section 2.6, "Assumptions"

2.1 Scope

This section describes the scope of the integration with respect to each system namely OBTF and FCUBS.

This section contains the following topics

- Section 2.1.1, "Integration Scope in Oracle Banking Trade Finance"
- Section 2.1.2, "Integration Scope in Oracle FLEXCUBE Universal Banking"

2.1.1 Integration Scope in Oracle Banking Trade Finance

For RP integration, following data are provided to FCUBS from OBTF:

- Price Components for which special rate/amount is to be received.
- External data elements mapped to the pricing components

During the integration process, OBTF will pass data to FCUBS such as EDE codes, External Price components, Customer number, Product code and so on.

2.1.2 Integration Scope in Oracle FLEXCUBE Universal Banking

Refer FCUBS "Relationship Pricing User Guide" for details on integration scope in FCUBS.

2.2 Prerequisites in Oracle Banking Trade Finance

This section contains the following topic:

Section 2.2.1, "Maintenances"

2.2.1 Maintenances

Complete the maintenances as discussed below.

2.2.1.1 Maintaining Pricing Parameter

Pricing Integration parameter should be enabled in OBTF to integrate with External Pricing system.

Table Name	PARAM_NAME	PARAM_VAL
CSTB_PARAM	PRICING_INTEGRATION	Y

2.2.1.2 Maintaining Interface Parameters

You need to maintain external pricing parameters for the interface code "EXT_RP" in Trade Finance Interface Parameterization (IFDTFPRM) screen.

Column Name	**Description**
DEBUG_PATH	OBTF External Pricing adapter logs debug path
EXT_CALL_TYPE	Web service integration
EXT_WSDL FCUBS	WSDL for RP integration
REQUEST_XSL	Template for building WS request
RESPONSE_XSL	Template for extracting pricing details from response
ENTITY	Target Entity Id to process RP request

2.2.1.3 Maintaining External Data Elements and Price Components

External Data Elements (EDE) can be maintained in 'Trade Finance EDE Maintenance' (TFDEDEMT) screen.

Field	**Description**
Module	LOV with OBTF modules namely LC/LI/BC/IB
EDE Code	External Data Element Code to be provided
EDE Description	External Data Element description to be provided
EDE Data Type	Drop down with below data types will be provided • Numeric • String • Date
EDE SQL Expression	Expression to derive value for EDE to be provided

To create the EDE's in FCUBS, following data need to be passed to FCUBS –

1) Module
2) EDE Code
3) EDE Description
4) EDE Data Type

The scheduler job TF_EDE_MAINT will pick up this data from TFDEDEMT screen and will invoke create EDE operation of FCUBS to create the EDE in FCUBS.

External Pricing Components can be maintained in ‘Trade Finance External Component Maintenance’ (TFDEXTCO) screen.

Field	Description
Module	LOV with OBTF modules namely LC/LI/BC/IB
Product	LOV with OBTF product codes for the module selected
Price Code	LOV with pricing components mapped to the product
Price Component Description	Pricing Component description will be defaulted based on the component selected
Price Component Types	Pricing Component type will be defaulted based on the component selected. Below are various types : • Charges • Commission • Interest • Exchange Rate
EDE Code	LOV with EDEs defined for the module will be provided. User can select the appropriate EDE code

To create the price components in FCUBS, following data need to be passed to FCUBS –

1) Module
2) Product
3) Price Code
4) Price component Description
5) Price Component Types

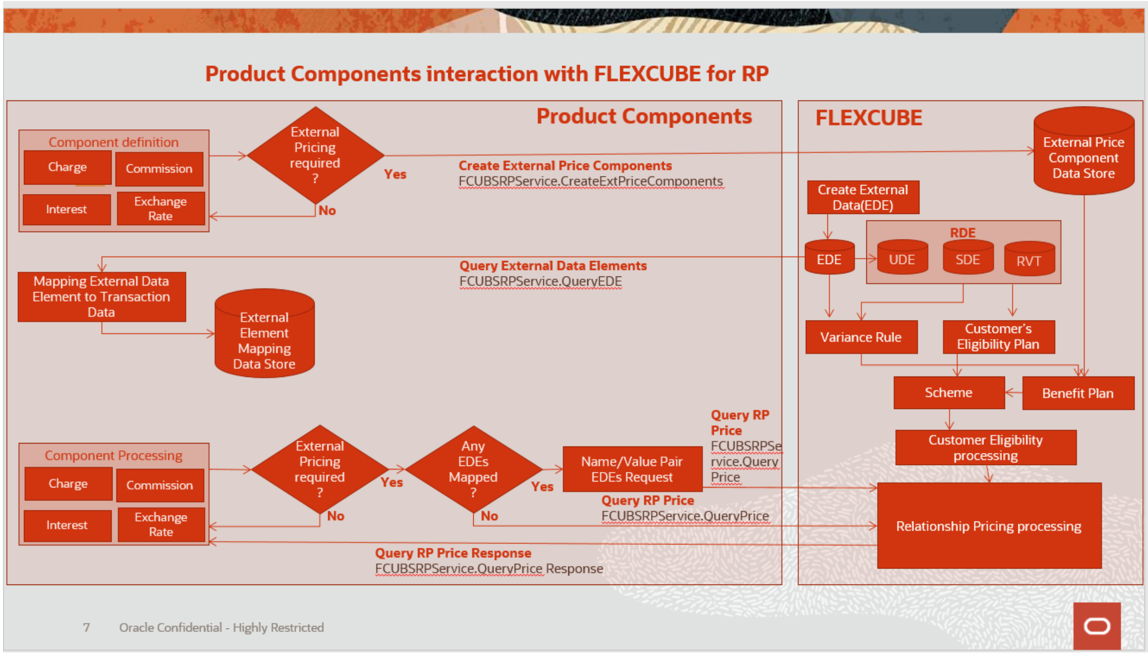
The scheduler job TF_EXTPC_MAINT will pick up this data from TFDEXTCO screen and will invoke create price component operation of FCUBS to create the price component in FCUBS.

2.3 Prerequisites in Oracle FLEXCUBE Universal Banking

Refer FCUBS “Common Core - Gateway User Guide” and FCUBS “Relationship Pricing User Guide” for details on prerequisites in FCUBS.

2.4 Integration Architecture

The following diagram provides information on the integration architecture followed in OBTF-FCUBS RP integration



2.5 Integration Process

- OBTF integrates with FCUBS to get relationship pricing for pricing components namely Charges, Commission, Interest and Exchange Rate

Pricing Components	Rate Type
Charges	Rate / Amount
Commission	Rate
Interest	Rate
Exchange Rate	Rate

- System will verify if Customer is RP enabled and components of the transaction are defined as pricing components in External component maintenance (TFDEXTCO). EDE values will be derived as applicable. Synchronous call will be made to OBTF Adapter on subsystem pickup and save.

- OBTF Adapter will build pricing request and invoke FCUBS Web service. FCUBS WS response will be consumed by OBTF adapter and RP rates / amount will be extracted from the response

- RP rates / amount will be displayed in related subsystems namely Charges, Commission, Interest and Exchange Rate in Loan preference. User can modify the rates / amount and modified pricing will be considered for processing on save

- Components which are not applicable for external pricing will be processed with the rates / amount defined in OBTF

Integration Log

You can have integration logs generated which will capture the OBTF Adapter flow during RP integration. The log path can be configured in IFDTFPRM screen.

Error in the integration process is also captured and stored in integration log table 'IFTB_TF_EXT_PRICING_LOG'.

2.5.1 OBTF-FCUBS Integration pricing components

Integration between OBTF and FCUBS allows you to transfer rate/amount for Charges, Commission, Interest and Exchange rate.

- Section 2.5.2, "OBTF-FCUBS Integration for Charges"
- Section 2.5.3, "OBTF-FCUBS Integration for Commission"
- Section 2.5.4, "OBTF-FCUBS Integration for Interest"
- Section 2.5.5, "OBTF-FCUBS Integration for Exchange rate"

2.5.2 OBTF-FCUBS integration for Charges

Below are the types of rate/amount that can be sent by FCUBS:

Type	Processing
Fixed Rate	RP rate will be considered to compute Charge amount.
Fixed Amount	RP amount will be considered as Charge amount.
Variance Amount	RP amount will be added to internal Charge amount derived.
Percentage	RP value will be considered as percentage. Charge will be computed based on the percentage of internal charge amount
Waive	Charge will be waived

Rate / Amount will be displayed in Charges subsystem. Type to be verified in FCUBS.

2.5.3 OBTF-FCUBS integration for Commission

Below are the types of rate that can be sent by FCUBS:

Type	Processing
Fixed Rate	RP rate will be considered to compute Commission amount
Variance Rate	RP rate will be added to internal commission rate in OBTF. Commission will be computed based on derived rate.
Percentage	RP value will be considered as percentage. System will derive final rate as percentage of internal Commission rate. Commission will be computed based on derived Commission rate.

Rate will be displayed in Commission subsystem. Type to be verified in FCUBS.

2.5.4 OBTF-FCUBS integration for Interest

- Below are the types of rate that can be sent by FCUBS :

Type	Processing
Fixed Rate	RP rate will be considered to compute Interest amount
Variance Rate	RP rate will be added to internal rate in OBTF. Interest will be computed based on derived rate.
Percentage	RP value will be considered as percentage. System will derive final rate as percentage of internal Interest rate. Interest will be computed based on derived Interest rate.

Rate will be displayed in Interest subsystem. Type to be verified in FCUBS.

2.5.5 OBTF-FCUBS integration for Exchange Rate

RP Exchange rate is used for calculating loan amount. Same can be viewed / modified in Loan Preference subsystem.

2.6 Assumptions

Ensure that the variance rules mapped to the pricing component in benefit plan screen in FCUBS (Refer Relationship Pricing User Guide), defines the rules using the same EDE's that are mapped to pricing components in TFDEXTCO screen in OBTF. If the EDE's mapped in TFDEXTCO are not used to define the rules in FCUBS, the RP processing will fail.