

Relationship Pricing Interface User Guide

# **Oracle FLEXCUBE Universal Banking**

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# 1. Preface

This topic explains about the information about this manual.

## 1.1 About This Manual

This manual is designed to help with the Integration of Oracle FLEXCUBE Universal Banking with External Product Processors for providing Customer Relationship Pricing.

## 1.2 Audience

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

Role	Function
Implementation & IT Staff	Implementation & Maintenance of the Software

## 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
<b>Preface</b>	Information about this Manual is specified in this section
<b>Interface Guide</b>	This chapter helps you the integration of Oracle FLEXCUBE Universal Banking providing functionality called Customer Relationship Pricing with External Product Processors.

## 1.5 Glossary

This User Manual may refer to the following terms:

Abbreviation	Description
<b>FCUBS</b>	Oracle FLEXCUBE Universal Banking
<b>RP</b>	Relationship Pricing

## 2. Interface Guide

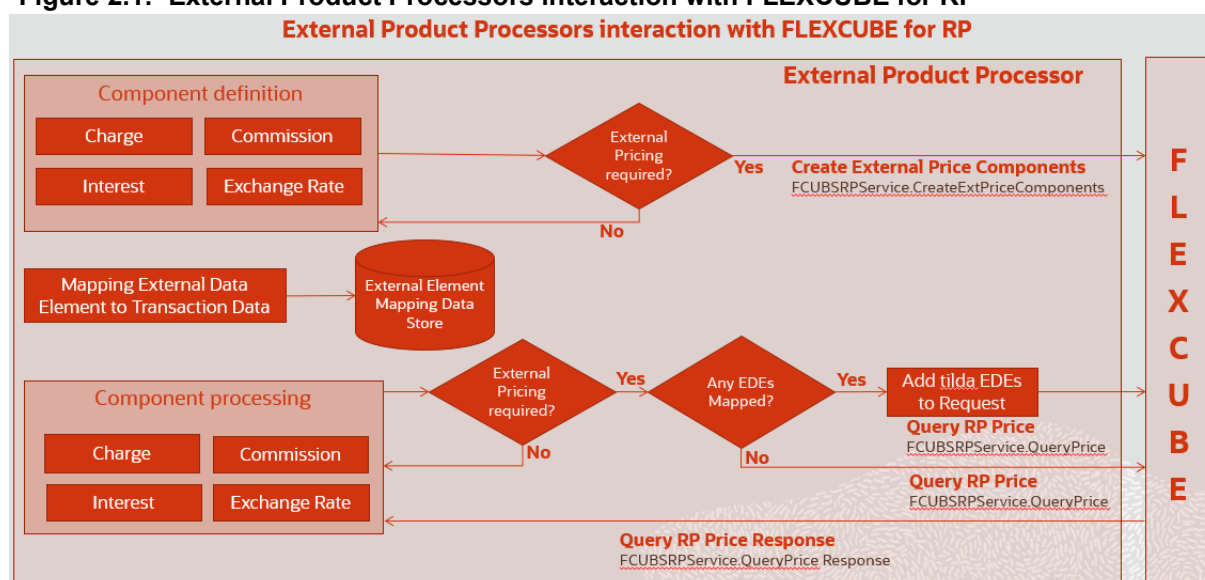
This topic explain about the functions and features of the interface guide.

### 2.1 Introduction

Customer Relationship pricing is the pricing of services offered to a customer based on the total business that the customer conducts or could potentially conduct. In this case, a set of eligible customers is offered special pricing over and above the standard product pricing. This is commonly implemented by way of discounts, rebates, or offsets against standard pricing. A combination of products wrapped as a product bundle could also be offered to customers. Pricing benefits are offered to customers based on customer relation, product bundling, or a combination of both. For e.g., for keeping a minimum daily balance of \$2,500, a bank may offer its customers a fee waive-off on credit cards, lines of credit, checking, and savings, as well as 100 free trades and bonus interest rates on savings accounts.

The following diagram displays the relation between various components involved in the calculation Of relationship pricing and integration maintenance for external product processors.

**Figure 2.1: External Product Processors interaction with FLEXCUBE for RP**



To get the Relationship pricing Price from FCUBS, maintenances are required at both FCUBS and external product processors. This document will brief about these maintenances.

### 2.2 Maintenances to be done in FCUBS

This section describes the specific maintenances, needed in Oracle FLEXCUBE Universal Banking (FCUBS) to integrate the same with External Product Processors.

#### 2.2.1 Relationship Pricing Maintenance

The various maintenances required to provide relationship pricing to customers are explained in detail in the Relationship Pricing user manual (UM). This UM contains the following Maintenances:

- User Data Elements
- System Data Elements

- External Data Elements
- External Price Component Maintenance
- Relationship Value Tag Codes
- Relationship Pricing Eligibility Plan
- Pricing Variance Rule Maintenance
- Benefit Plan Maintenance
- Relationship Pricing Scheme
- Customer Scheme Relationship Pricing Batch

## 2.2.2 Upload Source Preference Maintenance

In the Upload Source Preference Maintenance screen (CODUPLDM), please maintain the External system with Post Upload Status as “Authorized”.

**Figure 2.2: Upload Source Preferences Maintenance Screen**

The screenshot shows the 'Upload Source Preferences Maintenance' window. At the top, there are menu options: New, Copy, Close, Unlock, Print, Enter Query. Below this, the 'Source Code' is set to 'EXTSYS' and 'Module Code' is set to 'CO'. The window is split into two main sections: 'Error Handling' and 'Post Upload'. In the 'Error Handling' section, there are dropdowns for 'On Error' (set to a blank), 'On Override' (set to 'Ignore'), 'On Repairable Exception', and 'On Queue Exception'. In the 'Post Upload' section, the 'Status' is set to 'Unauthorized' and there are three checked checkboxes under 'Purge Days': 'Allow Deferred Processing', 'Allow EOD with Deferred', and 'Deletion Allowed'. At the bottom, a 'Function Id Preferences' section contains: 'Maker 412118M', 'Date Time: 2007-11-27 20:22:47', 'Mod No 1', 'Record Status Open', 'Checker 412118M', 'Date Time: 2014-01-01 11:50:23', and 'Authorization Authorized Status'. An 'Exit' button is located in the bottom right corner.

**NOTE:** The above maintenance has to be done for every external product processors.

## 2.2.3 External System Functions Maintenance

External Product processors invoke FCUBS for RP when

- 1) Create/Modify/Query Price Component
- 2) Create/Modify/Query Price Component

### 3) Querying Relationship Price

This maintenance is required for every product processors both for invoking Gateway or Rest service.

	Service Name	Operation	Purpose
1)	FCUBSCoreService	CreateExtPriceComp/ ModifyExtPriceComp/ QueryExtPriceComp	Create/Modify/Query Price Component
2)	FCUBSCoreService	CreateEDE/ ModifyEDE/ QueryEDE	Create/Modify/Query External Data Elements(EDEs)
3)	FCUBSCoreService	CreateQueryPrice	Querying Relationship Price

Maintain the above services in of External System Functions Maintenance screen (GWDETFUN) in FCUBS

**Figure 2.3: External System Functions-COGEXTCO**

The screenshot shows a web-based form titled "External System Functions" with a menu bar containing "New", "Copy", "Close", "Print", and "Enter Query". The form contains the following fields and values:

- External System \* EXTSYS
- Function \* COGEXTCO
- Action \* NEW
- Service Name FCUBSCoreService
- Operation Code CreateExtPriceComp
- Description EXTSYS
- Bulk SMS Check (checkbox)

At the bottom, there is a "Fields" section with the following information:

- Maker NAG001
- Checker NAG001
- Date Time: 2020-03-26 12:23:56
- Mod No 1
- Record Status Open
- Authorization Authorized Status

An "Exit" button is located in the bottom right corner.

**Figure 2.4: External System Functions-COGEDEMT**

External System Functions - X

New Copy Close Print Enter Query

<b>External System *</b> EXTSYS	Description	EXTSYS
<b>Function *</b> COGEDEMT		<input type="text" value="Bulk SMS Check"/>
<b>Action *</b> NEW		
Service Name	FCUBSCoreService	
Operation Code	CreateEDE	

Fields

Maker NAG001	Date Time: 2020-03-26 12:22:22	Mod No	1	Record Status	Open	<a href="#" style="background-color: #2c5e8c; color: white; padding: 2px 5px;">Exit</a>
Checker NAG001	Date Time: 2020-03-26 12:22:25			Authorization	Authorized Status	

**Figure 2.5: External System Functions-IFGEXTRP**

External System Functions - X

New Copy Close Print Enter Query

<b>External System *</b> EXTSYS	Description	EXTSYS
<b>Function *</b> IFGEXTRP		<input type="text" value="Bulk SMS Check"/>
<b>Action *</b> NEW		
Service Name	FCUBSCoreService	
Operation Code	CreateQueryPrice	

Fields

Maker NAG001	Date Time: 2020-03-26 12:23:15	Mod No	1	Record Status	Open	<a href="#" style="background-color: #2c5e8c; color: white; padding: 2px 5px;">Exit</a>
Checker NAG001	Date Time: 2020-03-26 12:23:15			Authorization	Authorized Status	



## 2.3 Maintenances to be done in External Product Processors (PPs)

This section describes the specific maintenances for RP needed in the External Product Processors system to integrate the same with Oracle FLEXCUBE Universal Banking (FCUBS).

### 2.3.1 Product and Component Maintenance

Enable “External Pricing” for Components for which price needs to be derived from FLEXCUBE. (If any)

### 2.3.2 EDE Maintenance

Maintain External Data Element name and value so that they can be sent to FLEXCUBE when querying the price. These EDEs are internally used in Variance Rules in FLEXCUBE to derive the price. (If any)

### 2.3.3 FCUBS - RP Processing

#### 2.3.3.1 External Price Component

API called to create external pricing component is as below -

**Service** - FCUBSCoreService

**Operation** - CreateExtPriceComp/ ModifyExtPriceComp/QueryExtPriceComp

**WSDL** - [http://<IP\\_ADDRESS>:<PORT\\_NO>/FCUBSCoreService/FCUBSCoreService?WSDL](http://<IP_ADDRESS>:<PORT_NO>/FCUBSCoreService/FCUBSCoreService?WSDL)

**REST** - [http://<IP\\_ADDRESS>:<PORT\\_NO>/ExtPriceComponentsService/ExtPriceComponents/CreateExtPriceComp](http://<IP_ADDRESS>:<PORT_NO>/ExtPriceComponentsService/ExtPriceComponents/CreateExtPriceComp)

Here is the high level in and out parameters for the API

IN → Module\_id, price\_comp\_code, price\_comp\_desc, product\_code, price\_comp\_type (I-INTEREST/C-CHARGE/F-FEE/M-COMMISSION)

OUT → Successfully created price component.

#### 2.3.3.2 External Data Elements

API called to create external data element is as below -

**Service** - FCUBSCoreService

**Operation** - CreateExtPriceComp/ ModifyExtPriceComp/QueryExtPriceComp

**WSDL** - [http://<IP\\_ADDRESS>:<PORT\\_NO>/FCUBSCoreService/FCUBSCoreService?WSDL](http://<IP_ADDRESS>:<PORT_NO>/FCUBSCoreService/FCUBSCoreService?WSDL)

**REST** - [http://<IP\\_ADDRESS>:<PORT\\_NO>/EDEService/EDE/CreateEDE](http://<IP_ADDRESS>:<PORT_NO>/EDEService/EDE/CreateEDE)

Here is the high level in and out parameters for the API

IN → Module\_id, ede\_code, ede\_desc, ede\_data\_type (S-STRING/N-NUMBER/D-DATE)

OUT → Successfully created EDE component.

#### 2.3.3.3 External Query Price Service

“CreateQueryPrice” API will be called by external product processors for the respective product components and EDE’s (as name value pair) to get the relationship Price. External PPs send transaction attributes, EDE codes, and

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pricing component as input. In Response Charge/Fee/Interest/Commission/Exchange rate/amount is sent as fixed/variance value. This will take in EDEs as an array of name value pair.

Here is the high level in and out parameters for the API

IN → Transaction reference number, price component, customer, account, EDE name value pair, Currency

OUT → RP reference number, benefit type (Variance/Waive), variance type (Fixed/Variable Amount), variance value, pricing currency

WSDL - [http://<IP\\_ADDRESS>:<PORT\\_NO>/FCUBSCoreService/FCUBSCoreService?WSDL](http://<IP_ADDRESS>:<PORT_NO>/FCUBSCoreService/FCUBSCoreService?WSDL)

REST - [http://<IP\\_ADDRESS>:<PORT\\_NO>/QueryPriceService/QueryPrice/CreateQueryPrice](http://<IP_ADDRESS>:<PORT_NO>/QueryPriceService/QueryPrice/CreateQueryPrice)

**NOTE:** For details of web and rest services refer the Gateway Web Services and Rest API Services User Guide respectively.