Relationship Pricing Interface User Guide

Oracle FLEXCUBE Universal Banking

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Relationship Pricing Interface User Guide

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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/look up?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 manual is organized into the following chapters:

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

1.6 Glossary

This User Manual may refer to the following terms:

Abbreviation	Description
FCUBS	Oracle FLEXCUBE Universal Banking
RP	Relationship Pricing

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2. Interface Guide

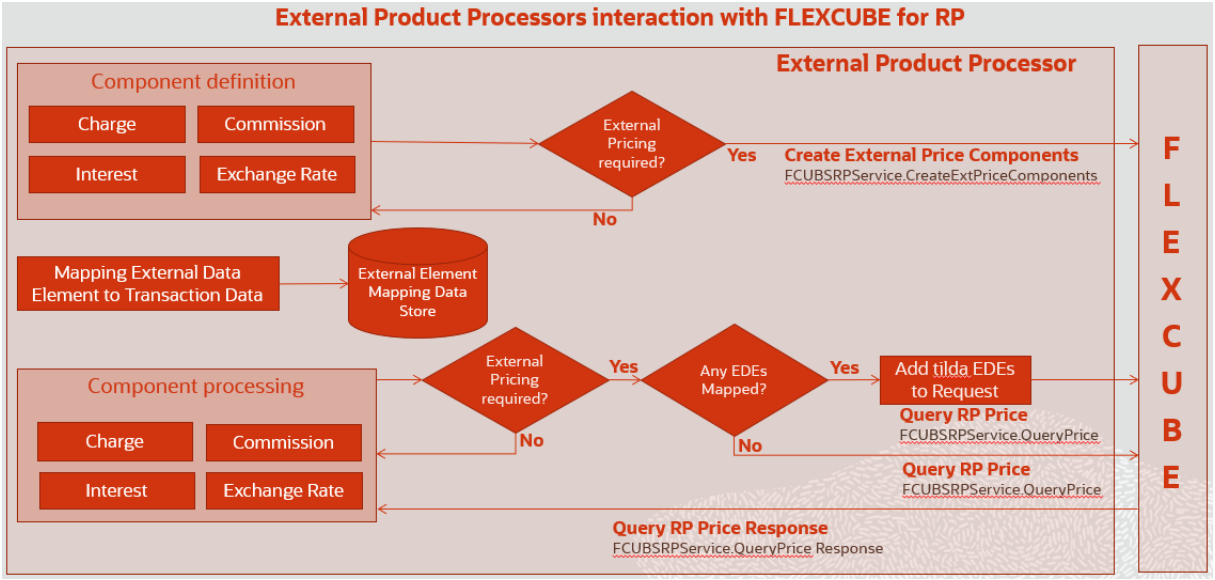
This topic explain about the functions and features of the interface guide.

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

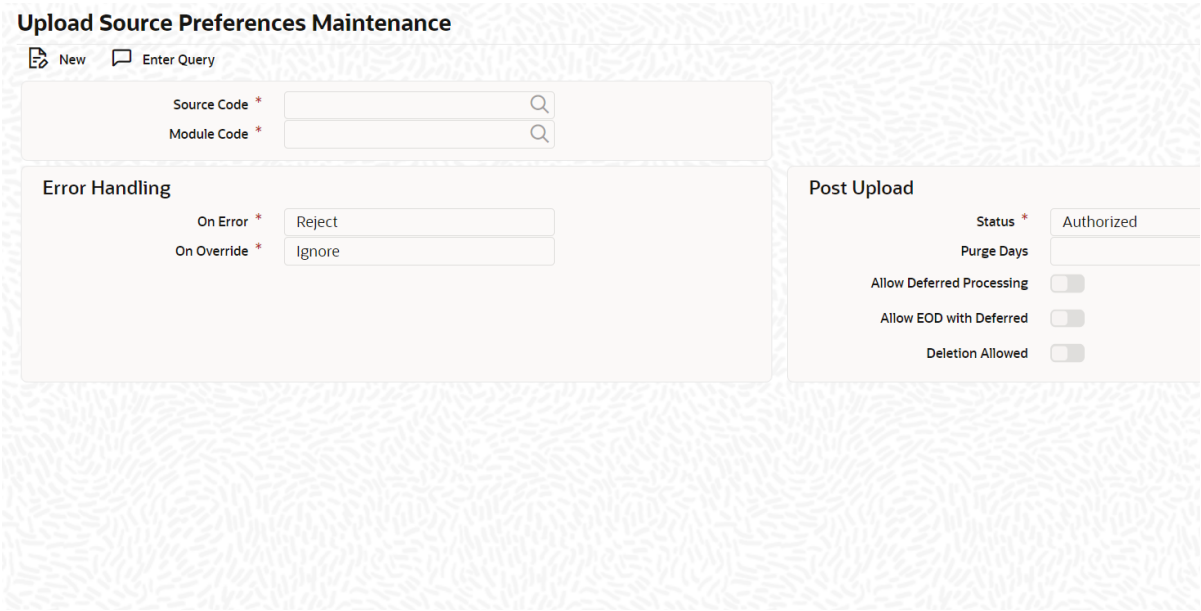
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- External Data Elements
- External Price Component Maintenance
- Relationship Value Tag Codes
- Relationship Pricing Eligibility Plan
- Pricing Variance Rule Maintenance
- Benefit Plan Maintenance
- Relationship Pricing Scheme
- Customer Scheme Relationship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



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

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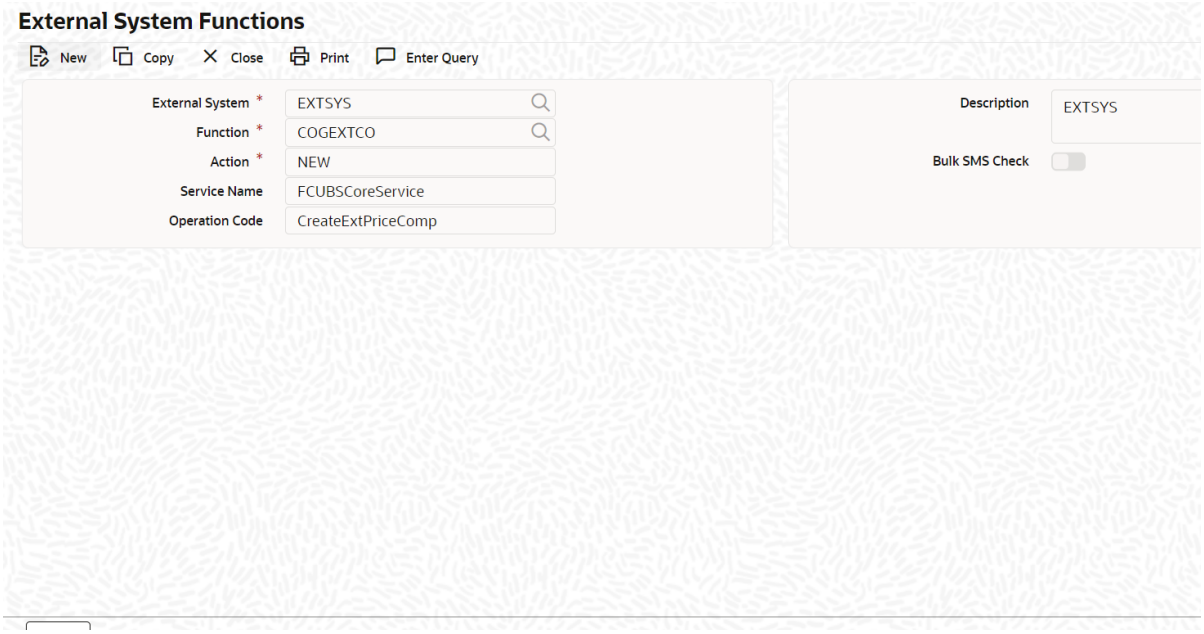
3) Querying Relationship Price

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



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Figure 2.4: External System Functions-COGEDEMT

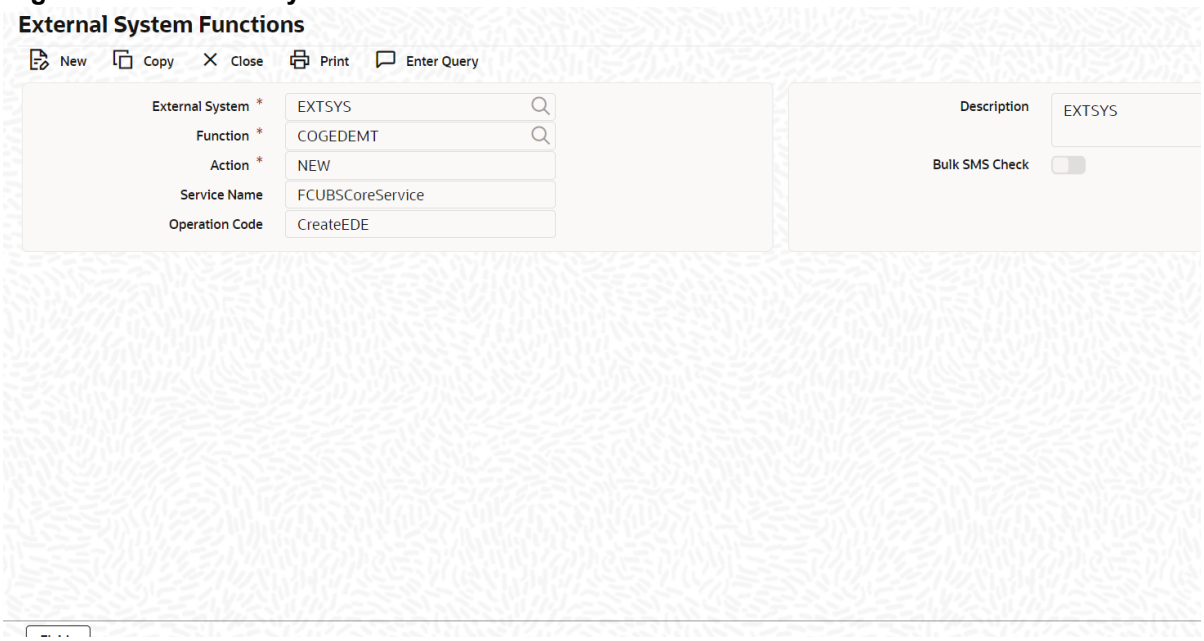
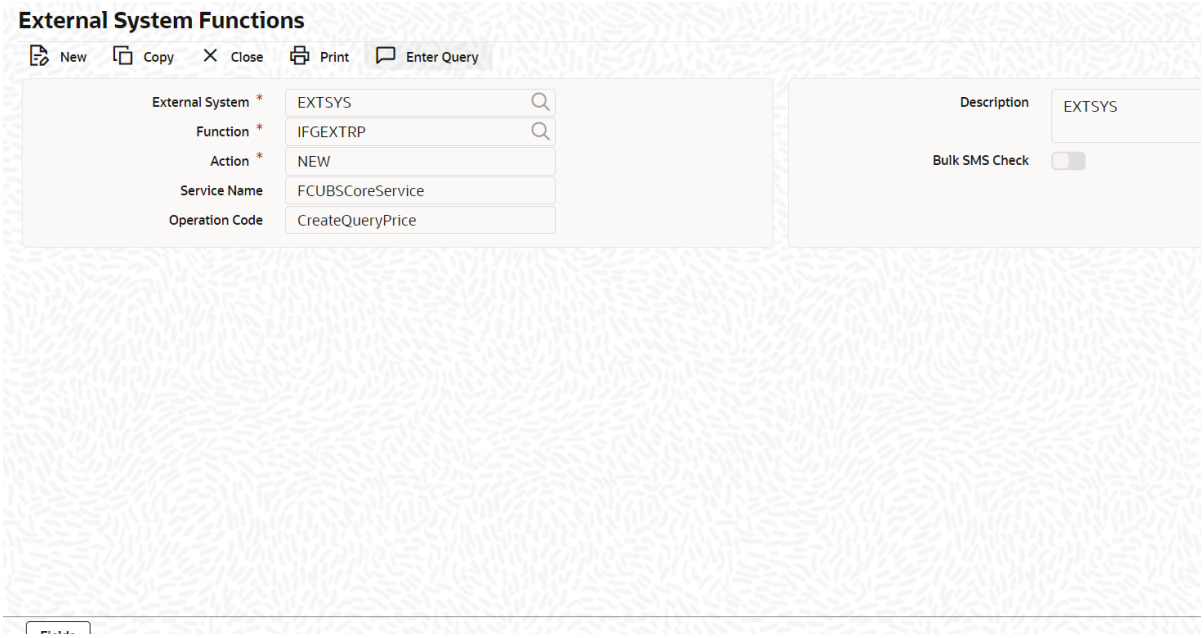


Figure 2.5: External System Functions-IFGEXTRP



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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

REST - 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

REST - 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

REST - 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.

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