

Integration Guide
Oracle Banking Branch
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Integration Guide

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1. About this Manual

1.1 Purpose

This manual is to help with integration of Oracle Banking Branch product with FLEXCUBE Universal Banking, Oracle Banking Payments, and Oracle Banking Virtual Account Management.

1.2 Audience

This guide is primarily intended for the following user/user roles:

Role	Function
Implementation and IT Staff	Implementation and maintenance of the software

1.3 List of Chapters

Following is the list of chapters in this document:

Role	Function
Chapter 1	Provides information on the intended audience. It also lists the various chapters covered in this manual.
Chapter 2	This chapter helps you to integrate Oracle Banking Branch product with FLEXCUBE Universal Banking.
Chapter 3	This chapter helps you to integrate Oracle Banking Branch product with Oracle Banking Payments.
Chapter 4	This chapter helps you to integrate Oracle Banking Branch product with Oracle Banking Virtual Account Management.

2. FLEXCUBE Universal Banking Integration

2.1 Introduction

You can integrate Oracle Banking Branch with FLEXCUBE Universal Banking. This chapter briefs you about the specific steps needed for integration of these two products and specific maintenances.

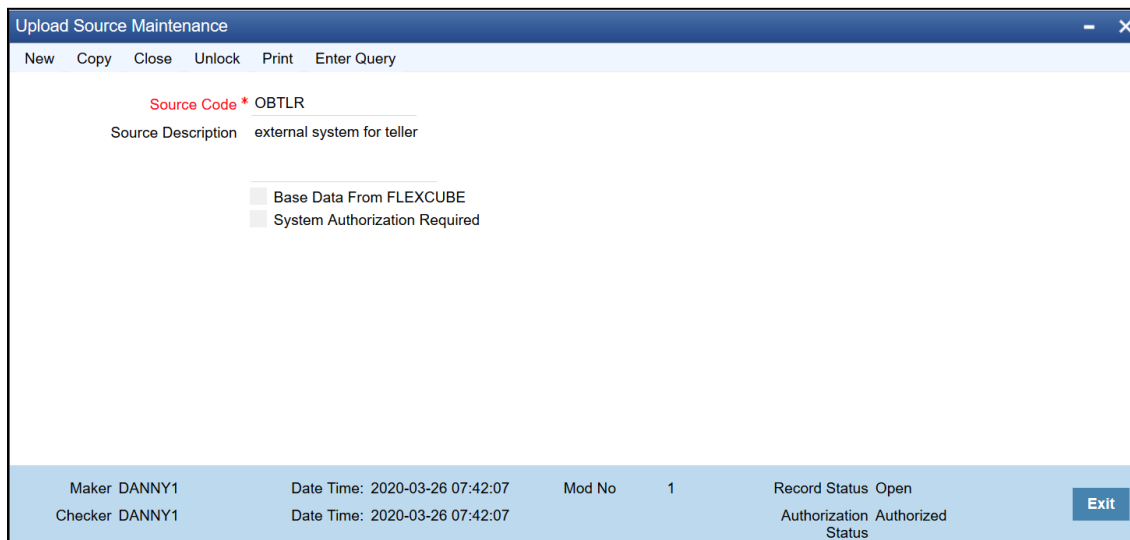
2.2 Maintenance for FLEXCUBE Universal Banking

Perform the maintenance in the below mentioned screens to complete the Gateway setup in FLEXCUBE Universal Banking for particular source system (OBTLR).

2.2.1 CODSORCE – Upload Source Maintenance

Specify the details in the fields as shown in [Figure 1](#). For information on fields, refer to Common Core - Gateway User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 1: Upload Source Maintenance



2.2.2 CODUPLDM – Upload Source Preferences Maintenance

Specify the details in the fields as shown in *Figure 2* and *Figure 3*. For information on fields, refer to Common Core - Gateway User Guide in the FLEXCUBE Universal Banking Documentation Library.

The Upload Source Preference Maintenance is available for the IC, CO, AC, CS, DL, IA, IF, ST, CA, CL, and CI modules.

Figure 2: Upload Source Preferences Summary

Upload Source Preferences Summary

Save Refresh Reset Clear All Details

Case Sensitive

Authorization Status: Authorized
 Source Code: OBTLR
 Status:
 On Override:
 Record Status:
 Module Code:
 On Error:
 Purge Days:

Records per page: 15 | 1 Of 1 | Lock Columns: 0

<input type="checkbox"/>	Authorization Status	Record Status	Source Code	Module Code	Status	On Error	On Override	Purge Days
<input type="checkbox"/>	Authorized	Open	OBTLR	IC	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	CO	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	AC	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	CS	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	DL	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	IA	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	IF	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	ST	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	CA	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	CL	Authorized	Reject	Ignore	
<input type="checkbox"/>	Authorized	Open	OBTLR	CI	Authorized	Reject	Ignore	

Exit

Figure 3: Upload Source Maintenance

Upload Source Preferences Maintenance

New Copy Close Unlock Print Enter Query

Source Code * OBTLR
 Module Code * CA

Error Handling

On Error * Reject
 On Override * Ignore
 On Repairable Exception Reject
 On Queue Exception Reject

Post Upload

Status * Authorized
 Purge Days
 Allow Deferred Processing
 Allow EOD with Deferred
 Deletion Allowed

Function Id Preferences

Maker DANNY1 Date Time: 2020-03-26 07:44:07 Mod No 1 Record Status Open
 Checker DANNY1 Date Time: 2020-03-26 07:44:07 Authorization Authorized Status

Exit

2.2.3 GWDETSYS – External System Maintenance

Specify the details in the fields as shown in [Figure 4](#). For information on fields, refer to Common Core - Gateway User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 4: External System Maintenance

The screenshot shows a web application window titled "External System Maintenance". The window has a menu bar with options: New, Copy, Close, Unlock, Print, Enter Query. The main content area is divided into several sections:

- External System:** Contains a text field for "External System" with the value "OBTLR" and a red asterisk indicating a required field. Below it is a "Description" field with the value "EXTSYS".
- Correlation Pattern:** Contains a "Request" dropdown menu currently set to "Message ID".
- Message Exchange Pattern:** This section is partially visible and appears to be empty.
- External System Queues:** A table with two columns: "In Queue" and "Response Queue". The table has one row with the values "MDB_QUEUE" and "MDB_QUEUE_RESPOI". Both cells in the first column have a checked checkbox.

At the bottom of the window, there is a status bar with the following information:

- FTP Parameters | Fields
- Maker: DANNY1, Date Time: 2020-03-26 07:34:33, Mod No: 1, Record Status: Open
- Checker: DANNY1, Date Time: 2020-03-26 07:34:34, Authorization: Authorized, Status: Status
- An "Exit" button is located in the bottom right corner.

2.2.4 GWDEFUN – External System Functions

Specify the details in the fields as shown in [Figure 5](#). For information on fields, refer to Common Core - Gateway User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 5: External System Functions

The screenshot shows a window titled "External System Functions" with a menu bar (New, Copy, Close, Print, Enter Query). The main area contains the following fields:

- External System * OBTLR
- Function * CAGSPMNT
- Action * NEW
- Service Name FCUBSAccService
- Operation Code StopPaymentsNew
- Description EXTSYS
- Bulk SMS Check (checkbox)

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

- Maker DANNY1 Date Time: 2020-03-26 04:55:21 Mod No 1 Record Status Open
- Checker DANNY1 Date Time: 2020-03-26 04:55:22 Authorization Authorized Status
- An "Exit" button is located in the bottom right corner.

The details of External System Functions for each screen are provided in table.

Function Code	Screen Name	Screen Type	Details of external call	FUNCTION ID	ACTION
TDO1	TD Account Opening	Transaction Screen	FCUBSAccService/ CreateTDCustAcc	STGCUSTD	NEW
			FCUBSSTService/QueryAccClasMaint	STQACCLS	NEW
TDR1	TD Redemption Against Cash	Transaction Screen	FCUBSTDSERVICE/ CreateTDRRedem	ICGREDMN	NEW
			FCUBSAccService/ QueryCustAccBalance	ACQABLQY	VIEW
TDR2	TD Redemption Against Account	Transaction Screen	FCUBSTDSERVICE/ CreateTDRRedem	ICGREDMN	NEW
			FCUBSAccService/ QueryCustAccBalance	ACQABLQY	VIEW
TDT1	TD Top-Up Against Cash	Transaction Screen	FCUBSAccService/ CreateTDTTopUp	STGTDTOP	NEW
			FCUBSAccService/ QueryTDCustAcc	STQCUSTD	VIEW
TDT2		Transaction Screen	FCUBSAccService/ CreateTDTTopUp	STGTDTOP	NEW

Function Code	Screen Name	Screen Type	Details of external call	FUNCTION ID	ACTION
	TD Top-Up Against Account		FCUBSAccService/QueryTDCustAcc	STQCUSTD	VIEW
1301	Close-out Withdrawal by Cash	Transaction Screen	FCUBSAccService/CloseCustAcc	STGCUSAC	CLOSE
			FCUBSAccService/QueryCustAccBalance	ACQABLQY	VIEW
1320	Close-out Withdrawal by Account	Transaction Screen	FCUBSAccService/CloseCustAcc	STGCUSAC	CLOSE
			FCUBSAccService/QueryCustAccBalance	ACQABLQY	VIEW
ACBL	Account Balance Inquiry	Inquiry Screen	FCUBSAccService/QueryCustAccBalance	ACQABLQY	VIEW
ACST	Account Statement Request	Transaction Screen	FCUBSAccFinService/RequestAccStmt	GWACSTMT	VIEW
CQRQ	Cheque Book Request	Transaction Screen	FCUBSAccService/CreateCheckBook	CAGCHBOO	NEW
CQIN	Cheque Status Inquiry	Inquiry Screen	FCUBSAccService/QueryCheckDetails	CAQCHKDT	VIEW
CADU	Customer Address Update	Transaction Screen	FCUBSCustomerService/ModifyCustomer	STGCIF	UNLOCK
AADU	Account Address Update	Transaction Screen	FCUBSAccService/ModifyCustAcc	STGCUSAC	UNLOCK
CCTU	Customer Contact Details Update	Transaction Screen	FCUBSCustomerService/ModifyCustomer	STGCIF	UNLOCK
7030	Passbook Issue	Transaction Screen	FCUBSRTService/CreateAccPassbook	DEGRTCAP	NEW
7010	Passbook Update	Transaction Screen	FCUBSRTService/UpdateAccPassbook	DEGRTUAP	NEW
CQST	Stop Cheque Request	Transaction Screen	FCUBSAccService/CreateStopPayments	CAGSPMNT	NEW
5001	Loan Disbursement By Cash	Transaction Screen	FCUBSCLService/QueryAccount	CLQACCNT	VIEW
			FCUBSCLService/CreateDisbursement	CLGMNDSB	NEW

Function Code	Screen Name	Screen Type	Details of external call	FUNCTION ID	ACTION
5401	Loan Repayment By Cash	Transaction Screen	FCUBSCLService/QueryAccount	CLQACCNT	VIEW
			FCUBSCLService/CreatePayment	CLGPYMNT	NEW
3401	Safe Deposit Rental By Cash	Transaction Screen	RTService/QuerySD Rental FCUBSDLService/CreatePayment	DLGPAMNT	NEW
5402	Murabaha Payment by Cash	Transaction Screen	FCUBSCIService/QueryAccount	CIQACCNT	VIEW
			FCUBSCIService/CreatePayment	CIGPYMNT	NEW
5403	Islamic Financing Downpayment by Cash	Transaction Screen	FCUBSCIService/QueryAccount	CIQACCNT	VIEW
			FCUBSCIService/Createdownpayment	CIGDPYNT	NEW
TDI1	Islamic TD Account Opening	Transaction Screen	FCUBSIAService/QueryIAAccClass	IAQACCLS	VIEW
			FCUBSIAService/CreateIATDCustAcc	IAGCUSTD	NEW
CDBK	Stop Card Request	Transaction Screen	FCUBSSTService/SummaryQueryCard Master	STVCRDMS	VIEW
			FCUBSSTService/ModifyCardMaster	STGCRDMS	UNLOCK

Maintain EXTSYS as External System, and the other External System Functions as mentioned below:

Screen Name	Screen Type	Details of external call	FUNCTION ID	ACTION
Card Status Change	Maintenance Screen	FCUBSSTService/SummaryQueryCardMaster	STVCRDMS	VIEW
Create Business Product	Maintenance Screen	FCUBSSIService/SummaryQueryProduct	SIVPRMNT	VIEW

2.2.5 Relationship Pricing Integration

2.2.5.1 CODEXTCO – Relationship Pricing External Price Components Definition

For information on the fields, refer to Relationship Pricing User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 6: Relationship Pricing External Price Components Definition

Relationship Pricing External Price Components Maintenance

New Enter Query

External Price Component

Module *

Product *

Price Component *

Price Component Description *

Price Component Type * Interest

Maker Date Time: Mod No Record Status

Checker Date Time: Authorization Status

Exit

Specify the values in the fields as follows:

1. Specify ALL or Function Code from Oracle Banking Branch in the **Product** field.
2. Specify Charge Code (Charge Definition from Oracle Banking Branch) in the **Price Component** field.

2.2.5.2 CODEDEMT – Relationship Pricing External Data Elements Maintenance

For information on fields, refer to Relationship Pricing User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 7: Relationship Pricing External Data Elements Maintenance

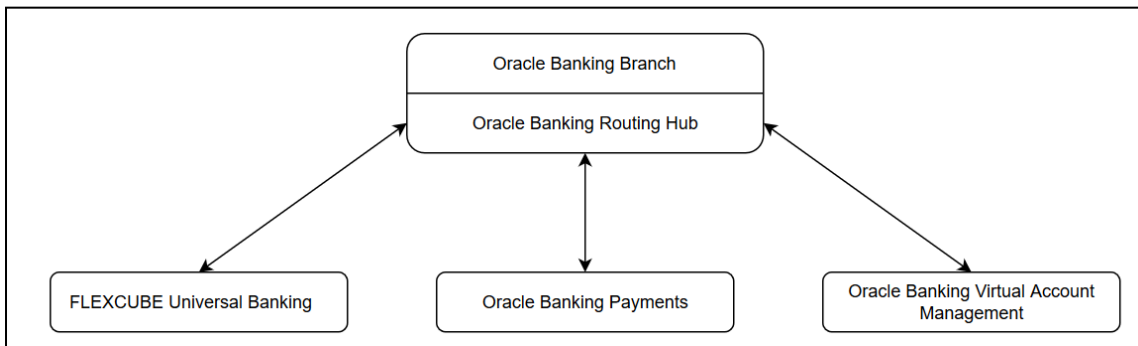
This screen is used to maintain the External Data Elements of Oracle Banking Branch in FLEXCUBE Universal Banking. Specify the details in the fields as shown in [Figure 7](#). The details of External Data Elements of Oracle Banking Branch are provided in table FCC_OBREMOMO_BRANCH_COMMON.SRV_TM_BC_EDE_LIST.

2.3 Maintenance for Oracle Banking Branch

2.3.1 Using Oracle Banking Routing Hub

Oracle Banking Routing Hub enables seamless and standardized integrations between FSGBU Banking Product using configurations provided as part of the product Infrastructure.

Figure 8: Oracle Banking Routing Hub



2.3.1.1 Configurations in Oracle Banking Branch

This section describes the specific configurations needed for Oracle Banking Branch to integrate with Oracle FLEXCUBE using Oracle Banking Routing Hub.

Update the following values:

BRANCHCOMMON.SRV_TM_BC_FUNCTION_INDICATOR set IS_ROUTING_ENABLED = Y for the function codes that are routed via Oracle Banking Routing Hub.

Check if BRANCHCOMMON.SRV_TM_BC_FUNCTION_INDICATOR_ROUTE_DTLS has an entry for the screen's function code.

2.3.1.2 Configurations in Oracle Banking Routing Hub (Teller Transactions)

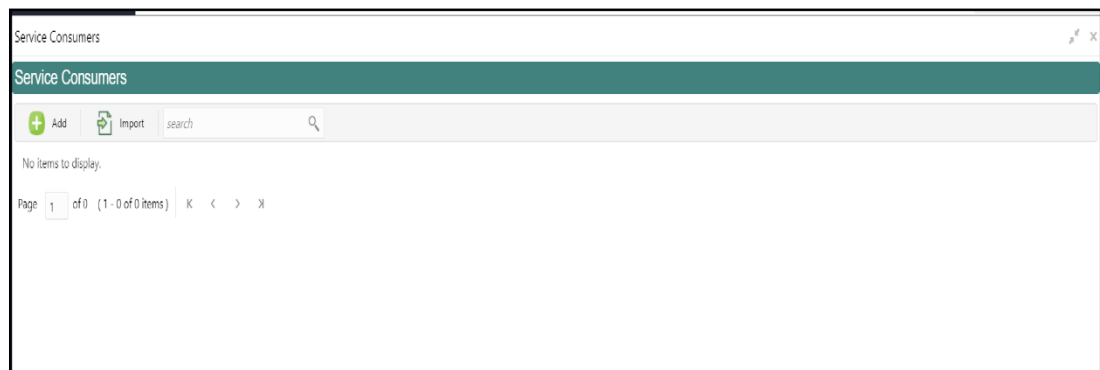
You can maintain routing configuration of Oracle Banking Routing Hub in common core for OBBRN teller transitions to create, update, query or delete host system. A host system can be UBS, OBPM etc.

To process this screen, type **Service Consumer** in the **Menu Item Search** located at the left corner of the application toolbar and select the appropriate screen (or) do the following steps:

1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

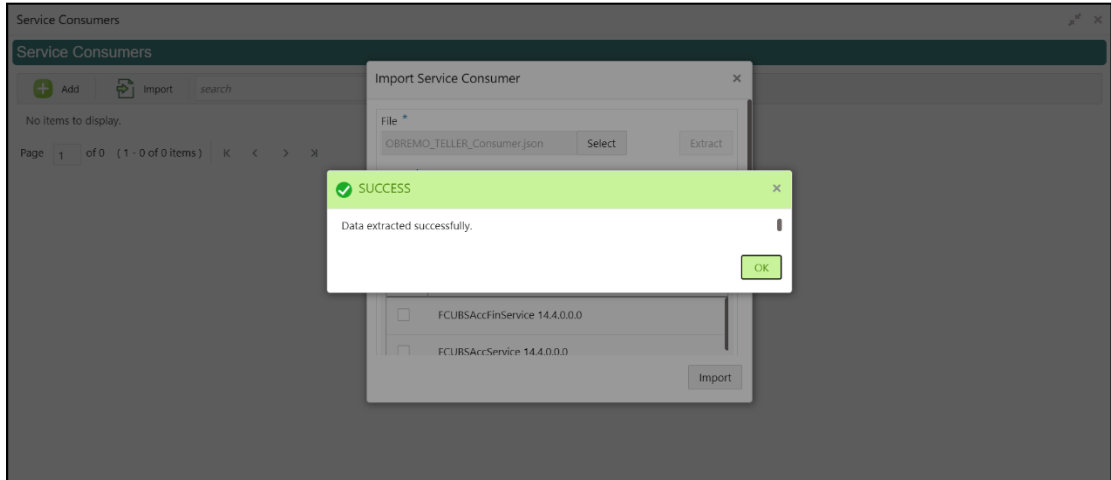
→ The **Service Consumers** screen is displayed.

Figure 9: Service Consumers



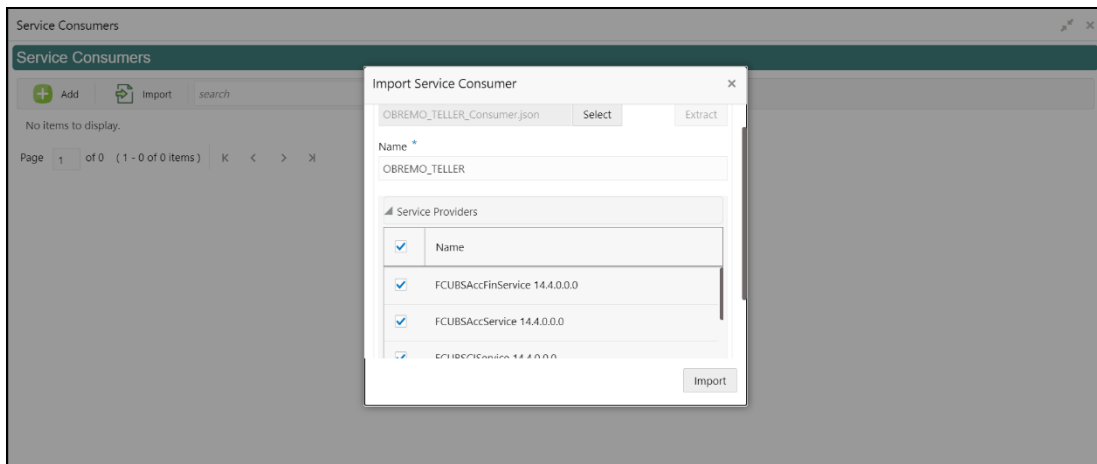
2. Click **Import**.
3. Upload the **OBREMO_TELLER_Consumer.json** file provided in the release (Folder path: \OBBRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 10: Extract JSON File



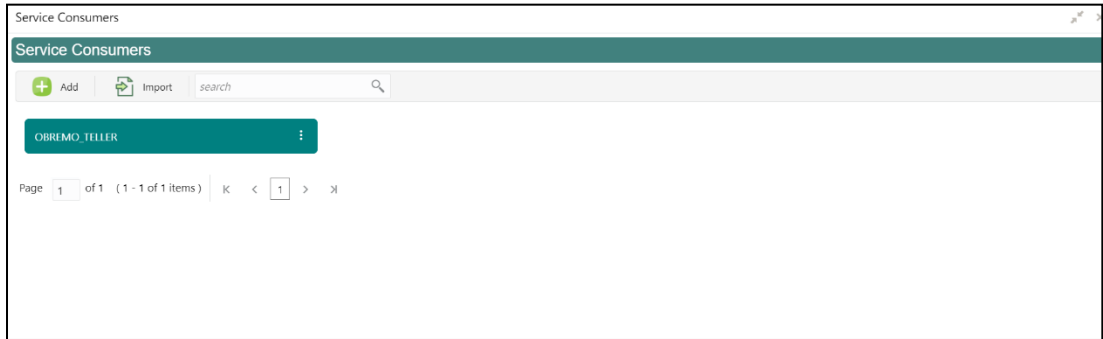
4. Select all the extracted service providers, and click **Import**.

Figure 11: Service Provider Selection



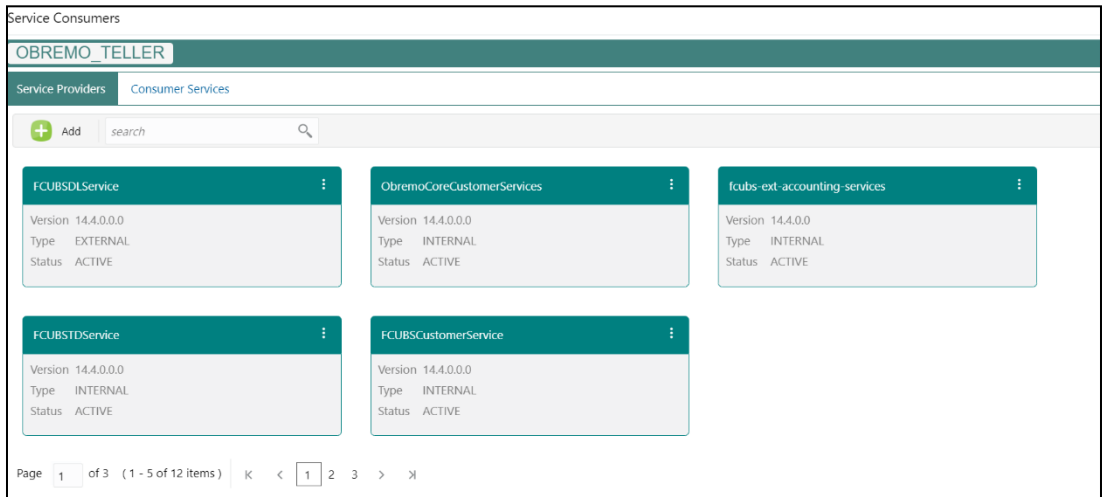
NOTE: A sample screen after Import operation is shown in [Figure 12](#).

Figure 12: Imported Service Consumers



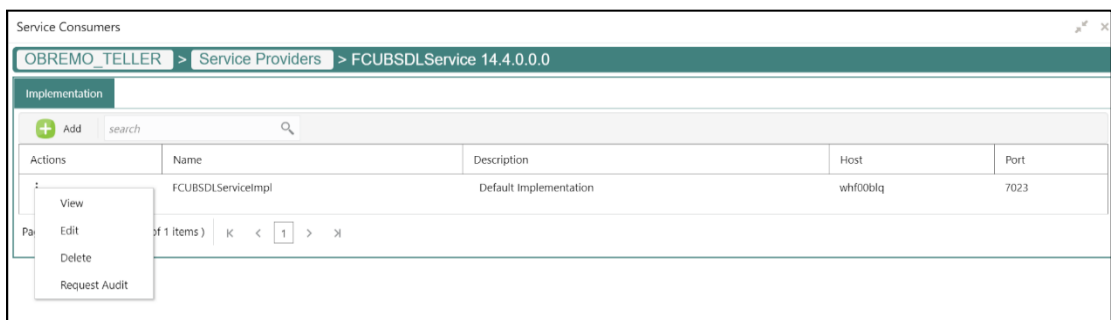
5. Click **OBREMO_TELLER**.

Figure 13: OBREMO_TELLER



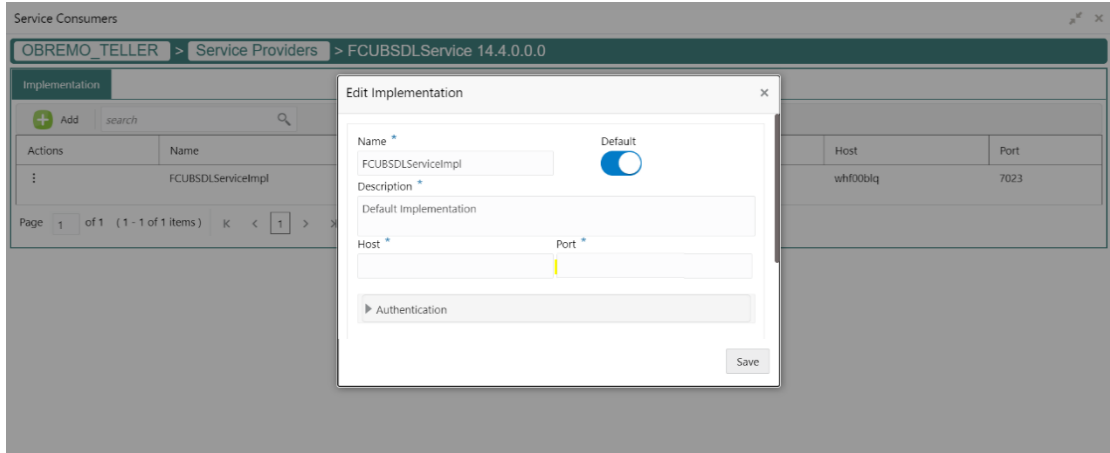
6. Click on the individual service provider, and select **Edit**.

Figure 14: Edit Service Provider



- Specify the **Host** and **Port** as per the host system (UBS/OBPM) installation, and click **Save**.

Figure 15: Edit Implementation



- Perform the steps 1 thru 7 again for all the listed service providers.

NOTE: The list of consumer services shown in the [Figure 16](#) thru [Figure 21](#) will be imported.

Figure 16: List of Service Providers - 1

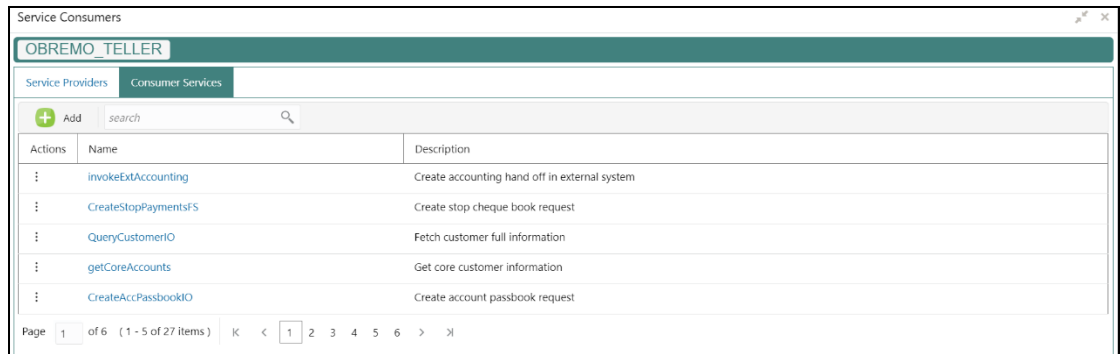


Figure 17: List of Service Providers - 2

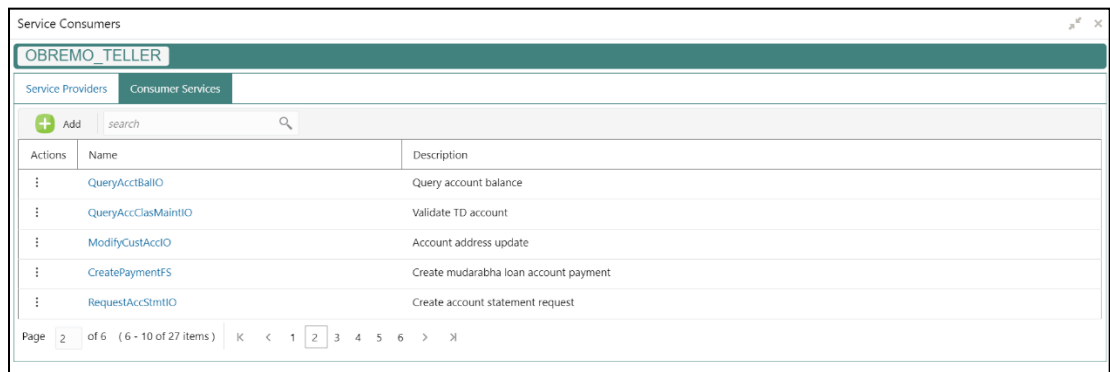


Figure 18: List of Service Providers - 3

Service Consumers

OBREMO_TELLER

Service Providers Consumer Services

+ Add search

Actions	Name	Description
:	AccountSignatureInfo	Fetch account signature details
:	CloseCustAccFS	Create close customer account request by transferring it to another account
:	ModifyCustomerFS	Update customer address details
:	CreateCheckBookFS	Create Cheque Book Request
:	CoreCustomerAccountInfo	Fetch core customer account information

Page 3 of 6 (11 - 15 of 27 Items) K < 1 2 3 4 5 6 > X

Figure 19: List of Service Providers - 4

Service Consumers

OBREMO_TELLER

Service Providers Consumer Services

+ Add search

Actions	Name	Description
:	UpdateAccPassbookIO	Update account passbook details
:	QueryClAccountIO	Fetch Mudarabaha /Islamic loan account
:	CreateDisbursementFS	Create Loan Disbursement
:	QueryAccountIO	Fetch Loan Account details
:	CreateTDCustAccFS	TD Account Opening

Page 4 of 6 (16 - 20 of 27 Items) K < 1 2 3 4 5 6 > X

Figure 20: List of Service Providers - 5

Service Consumers

OBREMO_TELLER

Service Providers Consumer Services

+ Add search

Actions	Name	Description
:	QueryCheckDetailsIO	Cheque Status Inquiry
:	CreateTDTopUpFS	Create TD top up in host system
:	CustomerContactUpdate	Update customer contact details
:	CreatePaymentIO	Loan repayment
:	QueryTDCustAccIO	Fetch TD account information

Page 5 of 6 (21 - 25 of 27 Items) K < 1 2 3 4 5 6 > X

Figure 21: List of Service Providers - 6

Service Consumers

OBREMO_TELLER

Service Providers Consumer Services

+ Add search

Actions	Name	Description
:	CreatedownpaymentIO	Create Islamic Down payment
:	CreateTDRedemFS	Create TD redemption

Page 6 of 6 (26 - 27 of 27 Items) K < 1 2 3 4 5 6 > X

2.3.1.3 Configurations in Oracle Banking Routing Hub (Relationship Pricing)

The Relationship Pricing Integration for FLEXCUBE Universal Banking and Oracle Banking Branch is performed through the REST. The CreateQueryPrice REST service is used to derive Relationship Pricing charge computation from FLEXCUBE Universal Banking pricing engine.

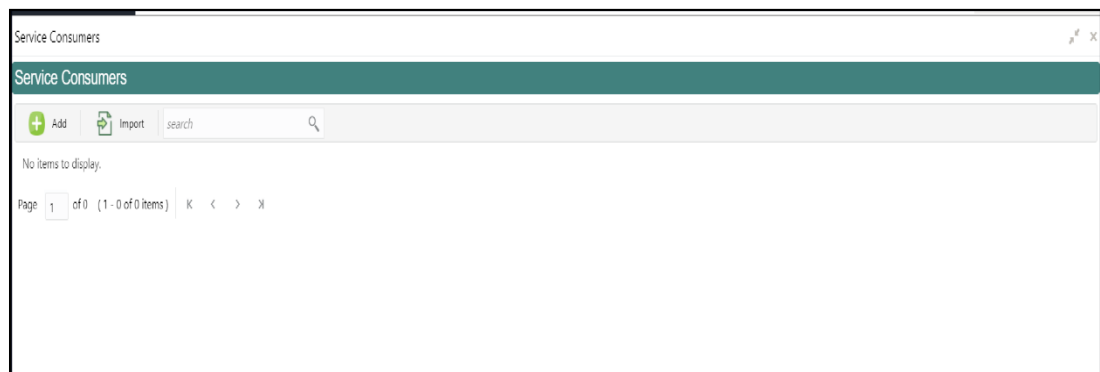
Oracle Banking Routing Hub is responsible for the handling of API calls between Oracle Banking Branch and external systems (FLEXCUBE Universal Banking in case of Relationship Pricing calls). The configuration templates for Oracle Banking Routing Hub are provided along with the product releases, and need to be imported through **Service Consumers** screen.

To process this screen, type **Service Consumer** in the **Menu Item Search** located at the left corner of the application toolbar and select the appropriate screen (or) do the following steps:

1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

→ The **Service Consumers** screen is displayed.

Figure 22: Service Consumers



2. Click **Import**.
3. Upload the **CMC_CHARGES.json** file provided in the release, and click **Extract**.

NOTE: As an alternative method, CSTB_PARAM -GW_LOGUSER_CHECK can be maintained as **N**, if Gateway user is Oracle Banking Branch user.

Figure 23: Import JSON File

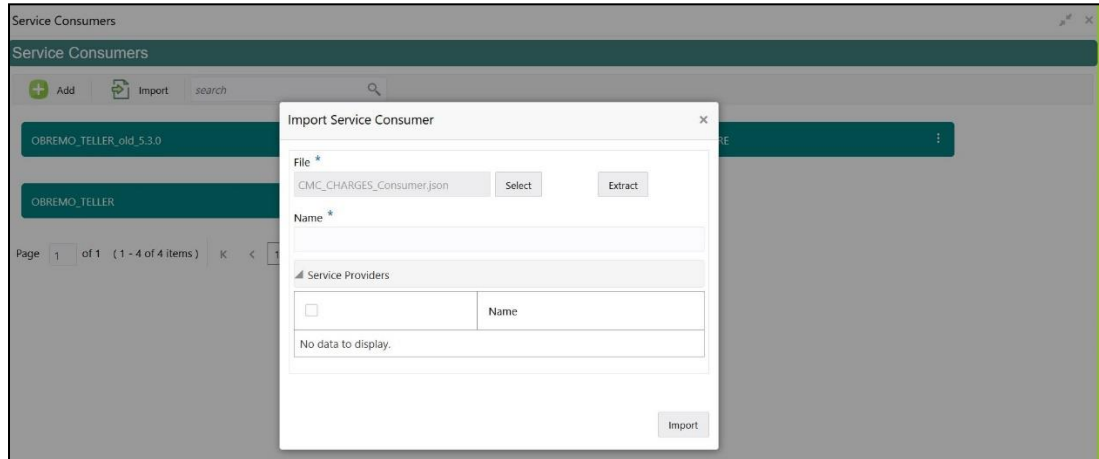
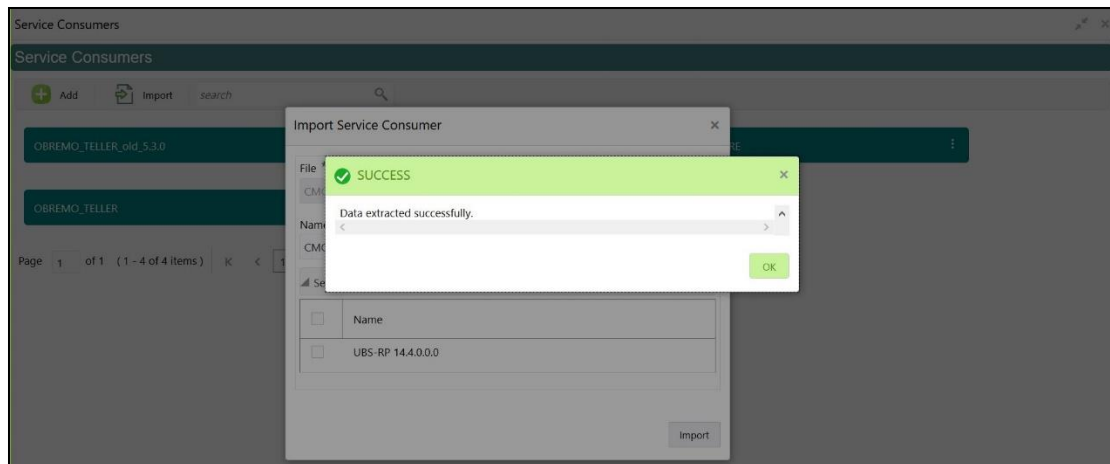
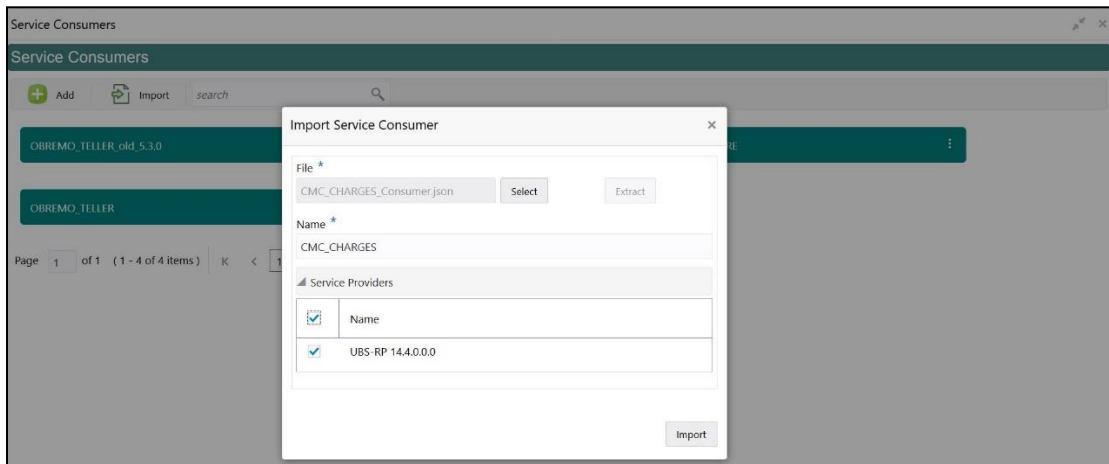


Figure 24: Extract JSON File



4. Select the extracted service provider, and click **Import**.

Figure 25: Service Provider Selection



NOTE: The sample screens after import operation are shown in [Figure 26](#) and [Figure 27](#).

Figure 26: Imported Service Consumers

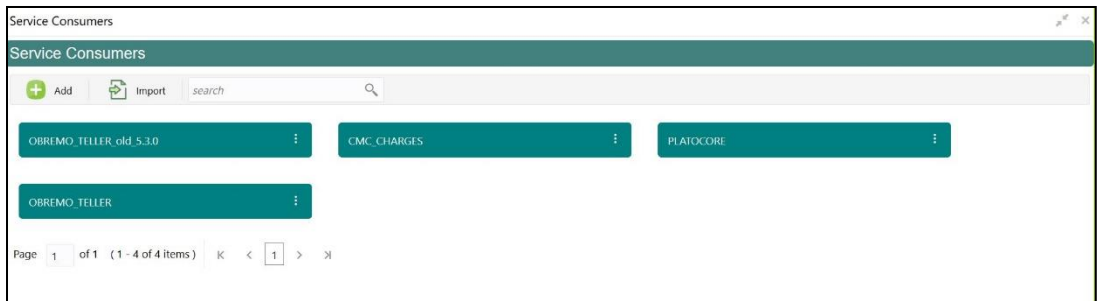
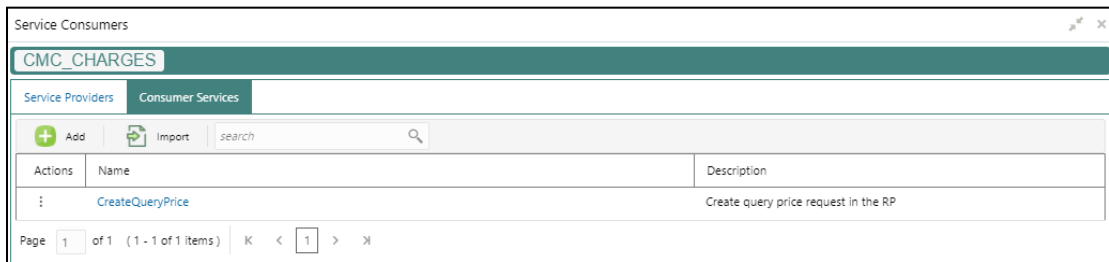


Figure 27: Service Provider



2.3.1.4 Configurations in Oracle Banking Routing Hub (CASA)

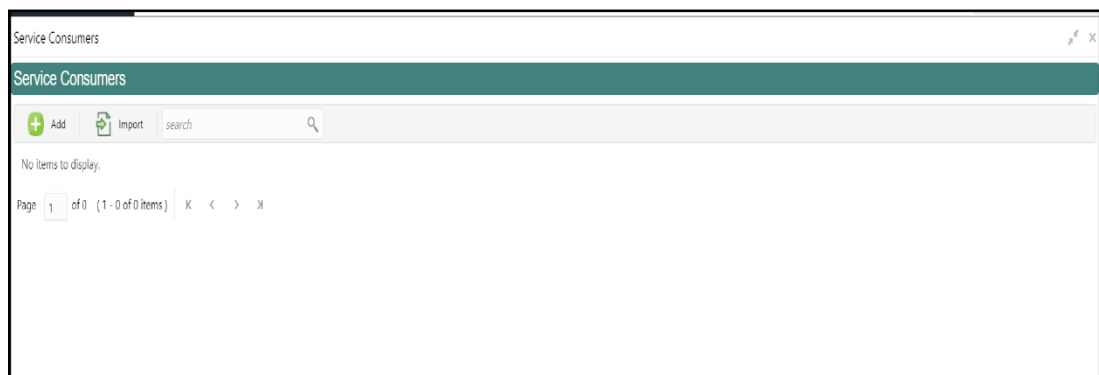
You can maintain routing configuration of Oracle Banking Routing Hub in common core for OBORN CASA transitions to create, update, and query host system. A host system can be UBS.

To process this screen, type **Service Consumer** in the **Menu Item Search** located at the left corner of the application toolbar and select the appropriate screen (or) do the following steps:

1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

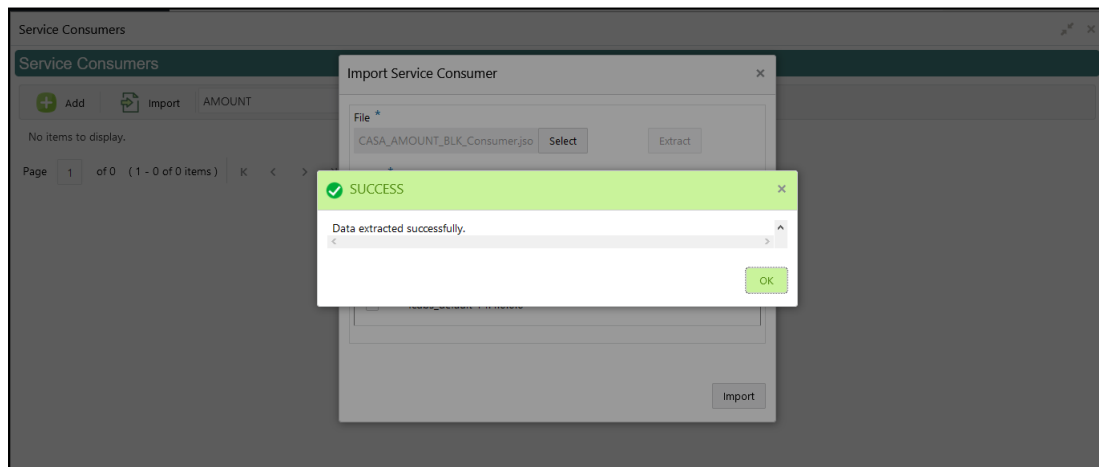
→ The **Service Consumers** screen is displayed.

Figure 28: Service Consumers



2. Click **Import**.
3. Upload the **CASA_AMOUNT_BLK_Consumer.json** file provided in the release (Folder path: \OBORN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 29: Extract JSON File



4. Select all the extracted service providers, and click **Import**.

Figure 30: Service Provider Selection

Import Service Consumer

File *
CASA_AMOUNT_BLK_Consumer.json Select Extract

Name *
CASA_AMOUNT_BLK

Service Providers

<input checked="" type="checkbox"/>	Name
<input checked="" type="checkbox"/>	fcubs_default 14.4.0.0

Import

NOTE: A sample screen after Import operation is shown in [Figure 31](#).

Figure 31: Imported Service Consumers

Service Consumers

Service Consumers

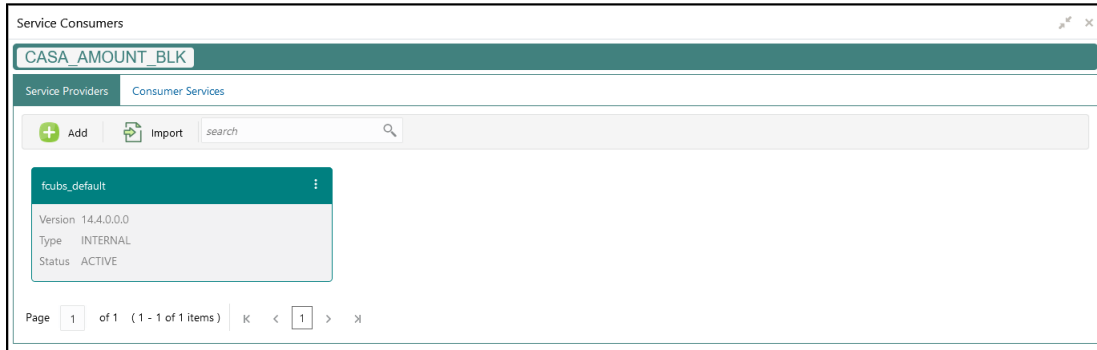
+ Add Import search

CASA_AMOUNT_BLK

Page 1 of 1 (1 - 1 of 1 items) < 1 >

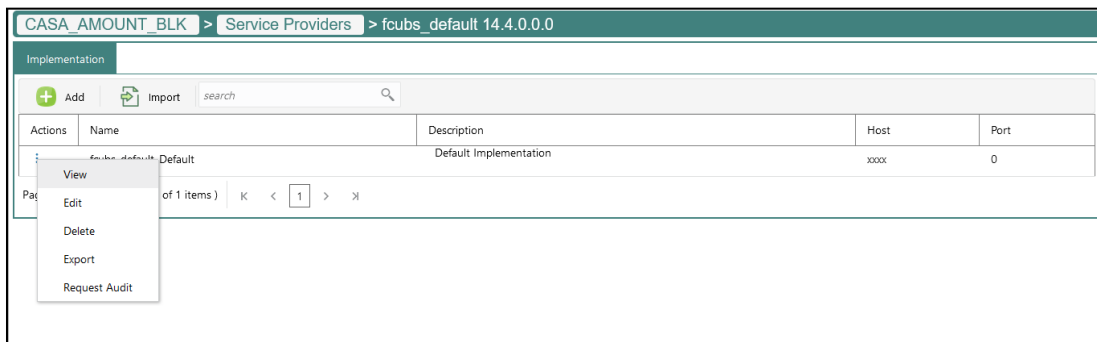
- Click **CASA_AMOUNT_BLK**.

Figure 32: CASA_AMOUNT_BLK



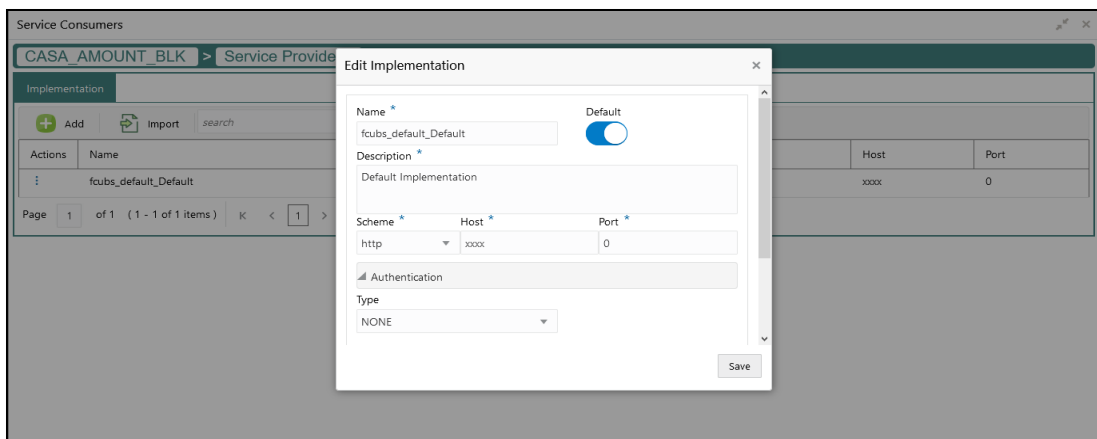
- Click on the individual service provider, and select **Edit**.

Figure 33: Edit Service Provider



- Specify the **Host** and **Port** as per the host system (UBS) installation, and click **Save**.

Figure 34: Edit Implementation



- Perform the steps 1 thru 7 again for all the listed service providers.

CASA Services:

- CASA_ACCOUNT_ADDRESS_UPDH_Consumer.json
- CASA_ADDRESS_UPDATE_2_Consumer.json
- CASA_ACCOUNT_ADDRESS_UPDATE_Consumer.json
- CASA_ACC_INQ_Consumer.json

- CASA_ACCT_STMNT_FREQ_Consumer.json
- CASA_ACT_DOR_ACC_3_Consumer.json
- CASA_ACT_DOR_ACC_Consumer.json
- CASA_ACT_DOR_ACC_2_Consumer.json
- CASA_AMOUNT_BLK_Consumer.json
- CASA_ABT_Consumer.json
- CASA_CARDB_BLK_Consumer.json
- CASA_ACCOUNT_STATEMENT_REQ_Consumer.json
- CASA_ACCOUNT_STATUS_CHANGE_Consumer.json
- CASA_ACCOUNT_STATUS_CHANGE_2_Consumer.json
- CASA_CHEQUEBOOK_REQUEST_Consumer.json
- JOINT_HOLDER_UPDATE_Consumer.json
- CASA_MODIFY_SI_UPDATE_Consumer.json
- CASA_QUERY_CONTRACT_Consumer.json
- CASA_MODIFY_SI_CYCLE_Consumer.json
- CASA_MODIFY_SI_INSTR_Consumer.json
- CASA_NOMINEE_DETAILS_Consumer.json
- CASA_NOMINEE_DETAILS_HOST_Consumer.json
- CASA_SI_Consumer.json
- CASA_STOP_PAYMENT_Consumer.json
- CASA_SWEEP_Consumer.json
- CASA_DEPOSIT_INSTR_Consumer.json
- CASA_TEMP_OVERDRAFT_LIMIT_Consumer.json

CASA Dashboard Widgets:

- CASA_BULLETIN_DASHBOARD_Consumer.json
- CASA_CUST_ACC_PENDING_DOCS_Consumer.json

Business Product:

- CASA_PROD_SUMM_Consumer.json
- CASA_BUS_PROD_Consumer.json

Below list of Consumers contains the Host and Port as per CustomerAccountService deployed in host server:

- CASA_ACCOUNT_ADDRESS_UPDH
- CASA_ADDRESS_UPDATE_2
- CASA_MODIFY_SI_CYCLE
- CASA_MODIFY_SI_INSTR
- CASA_NOMINEE_DETAILS_HOST
- CASA_BULLETIN_DASHBOARD
- CASA_TEMP_OVERDRAFT_LIMIT

- CASA_CUST_ACC_PENDING_DOCS
- CASA_ACT_DOR_ACC_2
- CASA_ACT_DOR_ACC_3
- CASA_ACCT_STMNT_FREQ

2.3.2 **Direct Access**

This section describes the specific configurations needed for Oracle Banking Branch to integrate with Oracle FLEXCUBE.

NOTE: The Direct Access feature will be discontinued in the future.

2.3.2.1 **Server IP and Port Details**

In the SRV_TM_AD_EXT_SYS_DEST_DTLS table, you need to update the server IP and port in column HOST_SERVER for Oracle FLEXCUBE services.

2.3.2.2 **Oracle FLEXCUBE Services**

The following API services will be called from Oracle Banking Branch during transaction processing and handoff to Oracle FLEXCUBE.

DESTINATION	URL VALUE
ACC_FINSERVICE_URL	FCUBSAccFinService/FCUBSAccFinService
CUSTOMER_SERVICE_URL	FCUBSCustomerService/FCUBSCustomerService
DDA_ACC_URL	fcubs-ext-accounting-services/service/v1/Accounting
DDA_CREDIT_CARD_GL_URL	obremo-srv-acc-credit-card-details-service/web/v1/datasegment/glAccountdetails
DDA_CREDIT_CARD_SAVE_URL	obremo-srv-acc-credit-card-details-service/web/v1/datasegment/CreditCardSave
DDA_CREDIT_CARD_URL	obremo-srv-acc-credit-card-details-service/web/v1/datasegment/creditcarddetails
DDA_CUST_SIG_URL	obremo-srv-acc-signature-details-service/web/v1/datasegment/signaturedetails
DDA_CUST_SRCH_URL	obremo-srv-customer-query-service/corecustomers/getCoreAccounts
DDA_GET_AVL_BAL_URL	fcubs-ext-accounting-services/service/v1/getAvailableBalance
DDA_SAFE_BANKING_URL	obremo-srv-acc-safe-Banking-details-service/web/v1/datasegment/getSafeBankingdetails
ECA_ACTION_URL	fcubs-eca-services/web/v1/EcaWeb/
ECA_URL	obac-srv-dda-eca-services/web/v1/EcaWeb
ExtPriceComponents	ExtPriceComponentsService/ExtPriceComponents/CreateExtPriceComp
FCUBSAccService_URL	FCUBSAccService/FCUBSAccService
FCUBSCIService_URL	FCUBSCIService/FCUBSCIService
FCUBSCLService_URL	FCUBSCLService/FCUBSCLService
FCUBSDLService_URL	FCUBSDLService/FCUBSDLService
FCUBSFinService_URL	FCUBSAccFinService/FCUBSAccFinService
FCUBSRTService_URL	FCUBSRTService/FCUBSRTService

DESTINATION	URL VALUE
GATEWAY_URL	
MODIFY_CARD_MASTER_URL	FCUBSSTService/FCUBSSTService
SIGN_URL	GWHTTP/GWHttpServlet
SUMMARY_CARD_MASTER_URL	FCUBSSTService/FCUBSSTService
TERMDEPOSIT_URL	GWHTTP/GWHttpServlet

2.3.3 Relationship Pricing Integration

2.3.3.1 Source System

Maintain the Pricing Source System in Pricing Source System Maintenance (UBS-RP). Specify the details in the fields as shown in [Figure 35](#). For information on fields, refer to Common Core User Guide in the Oracle Banking Branch Documentation Library.

Figure 35: Pricing Source System

The screenshot shows a web application window titled "Pricing Source System". At the top, there are three buttons: "New", "Unlock", and "Close". Below the buttons, there are two input fields. The first field is labeled "Pricing Source System" and contains the text "UBS-RP". The second field is labeled "Pricing Source Description" and also contains the text "UBS-RP".

2.3.3.2 Charge Definition Maintenance

Maintain the charge codes in **Charge Definition Maintenance** screen, and link it to the Pricing Source System. In addition, link the corresponding External System Elements (EDE) applicable for the charge code. Static set of EDEs will be fetched from the list of values as provided by the pricing source system.

Specify the details in the fields as shown in [Figure 36](#). For information on fields, refer to Oracle Banking Branch User Guide in the Oracle Banking Branch Documentation Library.

Figure 36: Charge Definition Maintenance

The screenshot displays the 'Charge Definition Maintenance' interface. At the top, there are 'New', 'Unlock', and 'Close' buttons. The main form contains the following fields:

- Charge Code ***: A131401RP1
- Charge Description ***: A131401RP1
- Charge Category ***: Standard
- Charge Credit Account ***: 708500000
- Charge Debit Account ***: CR_LEG
- Credit Tax Code**: R03
- Debit Tax Code**: R03
- Pricing Source System**: JBS-RP
- Pricing Source Description**: (Empty field)

Below the main form is an 'EDE Code' section with a table:

<input type="checkbox"/>	EDE Code	EDE Description
<input type="checkbox"/>	EDE_XREF	External Reference Number

At the bottom, there is a pagination control showing 'Page 1 of 1 (1 of 1 items)' and navigation arrows.

2.3.3.3 Charge Decision Maintenance

Charge Definition (Charge Codes) will be linked in **Charge Decision Maintenance** screen with Pricing Rule ID directly or with the Charge Condition Grouping. Oracle Banking Branch uses Charge Codes to apply Relationship Pricing by invoking FLEXCUBE Universal Banking pricing engine.

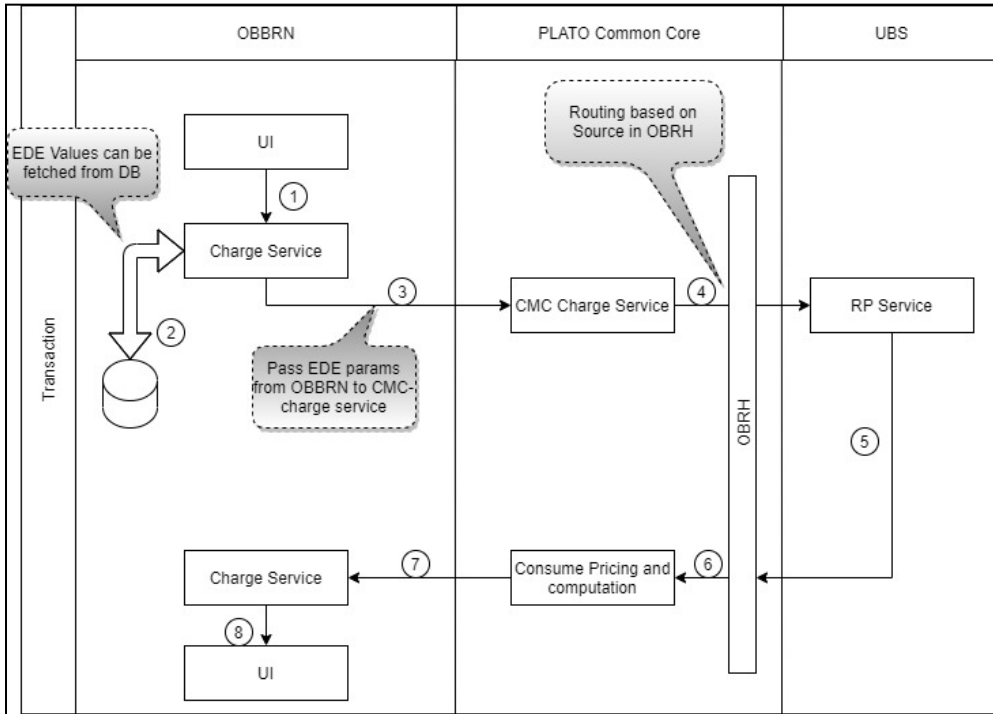
2.3.3.4 Transaction Charge Computation

Charge Pickup/Charge Computation happens on tab out of Amount field in transaction screens. During Charge computation in Oracle Banking Branch, the **Charge Decision** screen will identify the list of charge codes for a transaction, and a charge service call will be made to Oracle Banking Branch Common Core for charge computation.

CMC-Charge-Service will compute regular charge as per definition, and then make a call to Pricing Engine (if Pricing Source system is maintained) along with EDE fields and values maintained at Charge Definition.

Response from Pricing Engine (FLEXCUBE Universal Banking) will be consumed by Oracle Banking Branch and charges will be computed accordingly. Relationship Pricing transactional flow for Oracle Banking Branch and FLEXCUBE Universal Banking integration is represented in the [Figure 37](#).

Figure 37: Relationship Pricing Transactional Flow



2.4 Maintenance for Customer and Account replication

2.4.1 FLEXCUBE Universal Banking to Platocore Replication Service

FLEXCUBE Universal Banking as a Host system that replicates the data to Plato Core. Core entities such as customer and account information will be replicated for mid-office products to work with. The following operations are provided for Customer and Account:

- Create
- Modify
- Open
- Re-open

2.4.1.1 SERVICE-CONSUMER Platocore


The SERVICE-CONSUMER for Customer and Account are described in this sub-section.

Login Screen:

Perform the following steps:

1. Open the URL of the application.

Figure 38: Login Screen



The screenshot shows a login interface with the following elements:

- Oracle logo at the top left.
- 'Sign In' text below the logo.
- 'User Name *' label above a light blue input field.
- 'Password *' label above a white input field.
- A green 'Sign In' button.
- A 'Cancel' link below the button.

2. Specify the **User Name** and **Password**, and log in to the application.

NOTE: The Service Producers and Consumers are added for Both Customer and Account.

2.4.1.2 Service Consumer

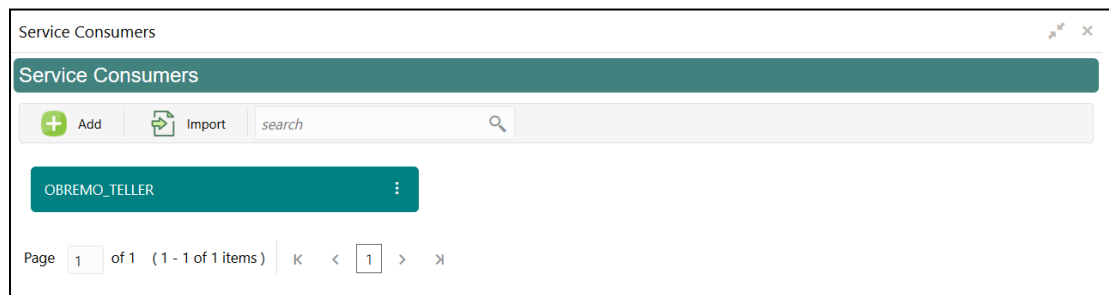
Service Consumer is an Oracle product which will invoke Oracle Banking Routing Hub API. Oracle Banking Routing Hub will analyze, evaluate destination product processor, and transform data into format of the same. It comprises of the source and destination integration details.

To process this screen, type **Service Consumer** in the **Menu Item Search** located at the left corner of the application toolbar and select the appropriate screen (or) do the following steps:

1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

→ The **Service Consumers** screen is displayed.

Figure 39: Service Consumers

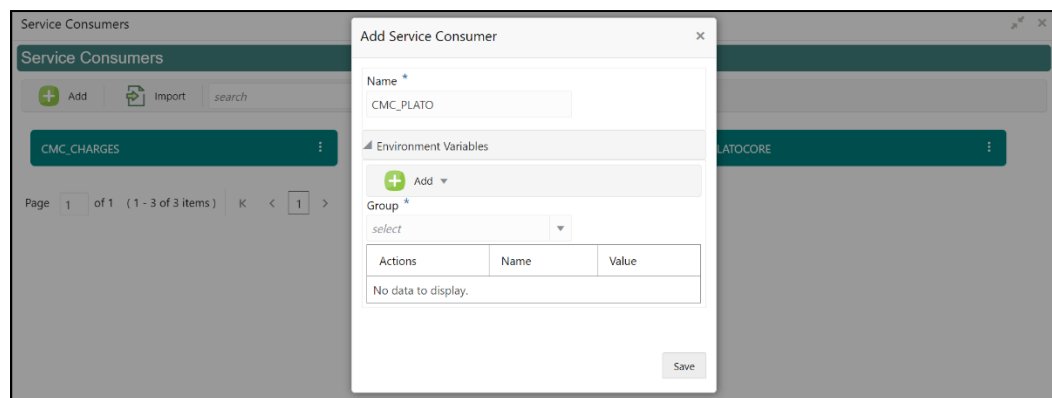


2.4.1.2.1 Add Service Consumers

User can add a service producers and consumers for Customer and Account. To add a service consumer, perform the following steps:

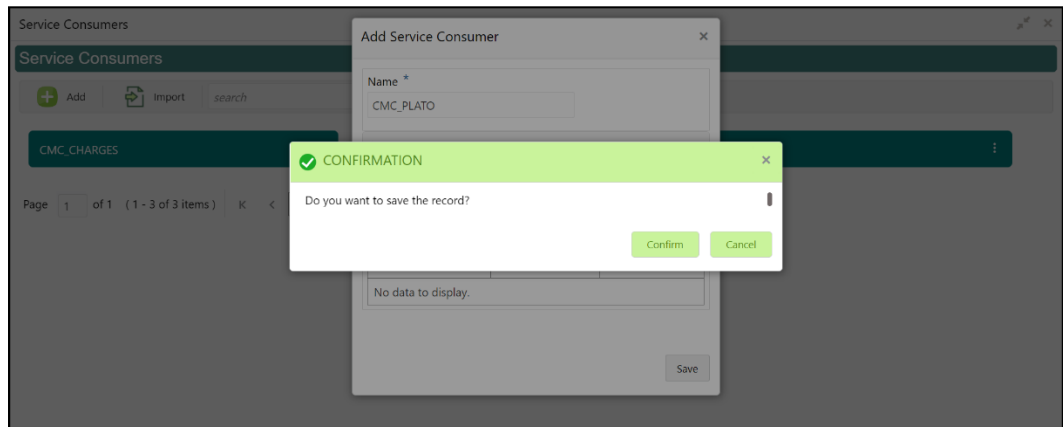
1. In the **Service Consumers** screen, click **Add** to create a new Oracle Banking Routing Hub template.

Figure 40: Add Service Consumer



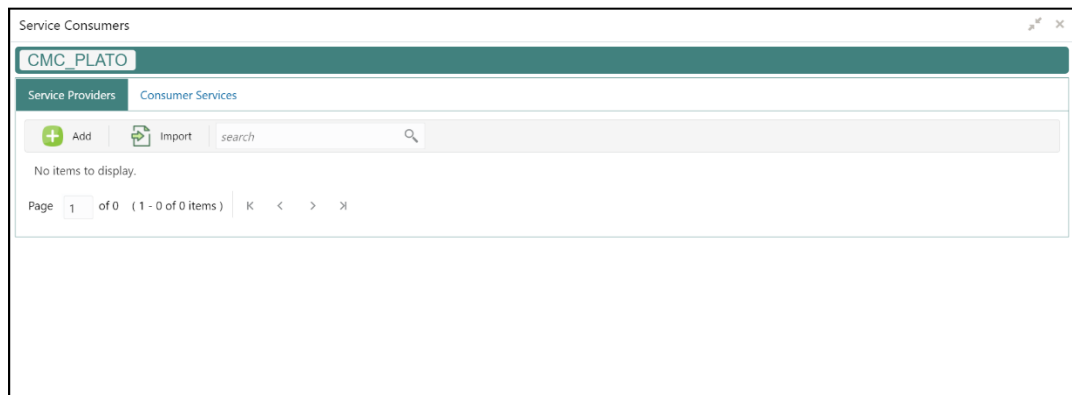
- Specify the necessary details, and click **Save** to create template.

Figure 41: Add Service Consumer – Save



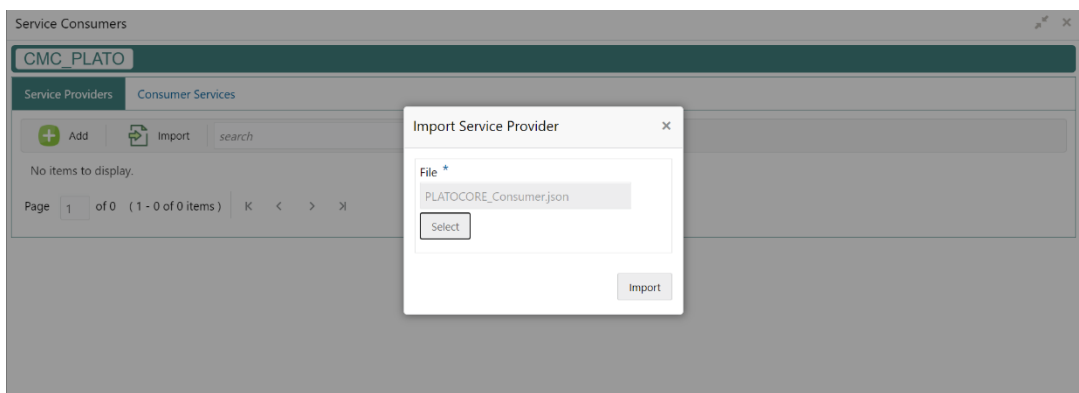
- Click **CMC_PLATO**, and select **Import** to import the necessary file.

Figure 42: Import Service Provider



- Click **Import**, and select the json file.

Figure 43: JSON File Selection



- Click **Import** button.

2.4.2 IFDEXSER – PLATOCORE System Maintenance

Open IFDEXSER screen, and maintain the data for system PLATOCORE. Based on the data created in FLEXCUBE Universal Banking, the quartz scheduler will invoke the Oracle Banking Routing Hub service by using the below details.

Specify the details in the fields as shown in [Figure 44](#). For information on fields, refer to Oracle FLEXCUBE UBS - ELCM Integration guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 44: PLATOCORE System Maintenance

New Unlock Enter Query

External System * PLATOCORE

External User * SID

Description

1 Of 1
Go
+ - ☰

	Type	Service Name	WS Endpoint URL	Rest Service Context	Rest Service IP	Rest
<input checked="" type="checkbox"/>	REST request	FCUBSCoreentitiesService		cmc-obrh-services	10.40.160.139	route/dis

Maker FAISALAUTH	Date Time: 2022-01-03 04:21:02	Mod No	7	Record Status Open	
Checker FAISALAUTH	Date Time: 2022-01-03 04:21:02			Authorization Authorized	Status

Ok
Exit

3. Oracle Banking Payments Integration

3.1 Introduction

You can integrate Oracle Banking Payments product with Oracle Banking Branch. This chapter briefs you about the specific steps needed for integration of these two products and specific maintenances.

3.2 Maintenance for Oracle Banking Branch

3.2.1 Using Oracle Banking Routing Hub

For information on maintenances using Oracle Banking Routing Hub, refer to section [2.3.1 Using Oracle Banking Routing Hub](#) in this guide.

3.2.2 Direct Access

This section describes the specific configurations needed for Oracle Banking Branch to integrate with Oracle Banking Payments.

NOTE: The Direct Access feature will be discontinued in the future.

3.2.2.1 Server IP and Port Details

In the SRV_TM_AD_EXT_SYS_DEST_DTLS table, you need to update the server IP and port in column HOST_SERVER and GL in column BRIDGE_GL for Oracle Banking Payments services.

3.2.2.2 Oracle Banking Payments Services

Following API service will be called from Oracle Banking Branch during transaction processing and handoff to Oracle Banking Payments.

3.2.2.2.1 Clearing Network

This service is used to fetch Clearing Network Code from Oracle Banking Payments for Outward Clearing transaction. Bridge GL is not applicable. The URL is as follows:

OBPAY_CLG_NETWORK_URL [PMReST/obpmrest/payments/ClearingNetworkQuery]

3.2.2.2.2 Clearing Routing Number

This service is used to fetch the Routing number from Oracle Banking Payments for Outward Clearing transaction. Bridge GL is not applicable. The URL is as follows:

OBPAY_CLG_ROUTINGNUM_URL [PMReST/obpmrest/payments/ClearingRoutingNoQuery]

3.2.2.2.3 Inward Clearing

This service is used to handoff Inward Clearing transaction request to Oracle Banking Payments. The URL is as follows:

OBPAY_INWRDCLG_URL [PMReST/obpmrest/payments/inclg]

3.2.2.2.4 Inward Clearing Return

This service is used to handoff return of Inward Clearing transaction request to Oracle Banking Payments. The URL is as follows:

OBPAY_INWRDCLG_RETURN_URL [PMReST/obpmrest/payments/inclgreturn]

3.2.2.2.5 Duplication

This service is used to issue the duplicate instruments from Oracle Banking Payments. The URL is as follows:

OBPAY_DUPLICATION_URL [PMReST/obpmrest/payments/instrumentduplicate]

3.2.2.2.6 Instrument Enquiry

This service is used to enquire the instrument transactions from Oracle Banking Payments. The URL is as follows:

OBPAY_INSTENQUIRY_URL [PMReST/obpmrest/payments/instrumentinquiry]

3.2.2.2.7 Instrument Issue

This service is used to handoff Instrument Issue request to Oracle Banking Payments. The URL is as follows:

OBPAY_INSTISSUE_URL [PMReST/obpmrest/payments/instrumentissue]

3.2.2.2.8 Instrument Pay

This service is used to handoff Instrument Payment request to Oracle Banking Payments. The URL is as follows:

OBPAY_INSTPAY_URL [PMReST/obpmrest/payments/instrumentpay]

3.2.2.2.9 Revalidation

This service is used to handoff Instrument Revalidate request to Oracle Banking Payments. The URL is as follows:

OBPAY_REVALIDATION_URL [PMReST/obpmrest/payments/instrumentrevalidation]

3.2.2.2.10 Outward Clearing

This service is used to handoff Outward Clearing transaction request to Oracle Banking Payments. The URL is as follows:

OBPAY_OUTCLG_URL [PMReST/obpmrest/payments/outclg]

3.2.2.2.11 Outward Clearing Return

This service is used to handoff Return of Outward Clearing transaction request to Oracle Banking Payments. The URL is as follows:

OBPAY_OUTCLG_RETURN_URL [PMReST/obpmrest/payments/outclgreturn]

3.2.2.2.12 Single Payout

This service is used to handoff Payment transaction request to Oracle Banking Payments. This single service will be used for Book Transfers, In-House Cheque Deposit, Domestic Transfers, and International Transfers. The URL is as follows:

OBPAY_SINGLE_PAYOUT_URL [PMReST/obpmrest/payments/singlepayout]

3.2.2.2.13 Additional Details

The additional details are as follows:

- **Host Code** tag is optional and will be sent as Null from Oracle Banking Branch for all services.
- **Source Code** tag will be populated as OBTLR from Oracle Banking Branch for all services.
- **Network Code** tag for Single Payout service has to be populated as below:
 - **BOOK** for Account Transfer
 - **BOOK** for In-House Cheque Deposit
 - **SWIFT** for International Transfers
- The details of instrument issue service are as follows:
 - **For DD, instrumentCode tag is passed as DEMANDFT and instrumentType tag is passed as DD**
 - **For BC, instrumentCode tag is passed as MNGRCHK and instrumentType tag is passed as MC**
- The details of instrument pay service are as follows:
 - **For DD, instrumentCode tag is passed as DEMANDFT**
 - **For BC, instrumentCode tag is passed as MNGRCHK**

3.3 Maintenance for Oracle Banking Payments

This section describes the specific maintenances needed for Oracle Banking Branch to integrate the same with Oracle Banking Payments. For information on fields, refer to Payments Core User Guide in the Oracle Banking Payments Documentation Library. Perform the maintenance as follows:

1. Update the **Source Maintenance Detailed** screen as shown in [Figure 45](#).

Figure 45: Source Maintenance Detailed (PMDSORCE)

The screenshot displays the 'Source Maintenance Detailed' window with the following fields and settings:

- Source Code:** OBTLR
- Host Code:** HOST1
- Description:** OBTLR
- Source Type:** Manual Input
- MIS Group:** (empty)
- UDF Group:** UDF_1
- Prefunded Payments:**
 - Prefunded Payments Allowed
 - Pricing Applicable
 - Auto-process Claims for Prefunded Payments
 - Prefunded Payments GL:** 000456000
- Duplicate Check Fields:**
 - Duplicate Check Period in Days:** 0
- Accounting & Message Preference:**
 - Preferred Reference:** Transaction Reference
- Other Preferences:**
 - SSI Handling:** Not Required
 - Validate Debit Authority
 - Incoming SWIFT
 - PSD Applicable
 - Notification Required
 - Allow Back Value Dated Book Transfer
- Credit to GL Payments:**
 - Inbound credit to GL
 - Pricing Applicable
 - Intermediary Credit GL:** (empty)
- Auto Queue Preferences:**
 - System Action:** Auto roll-over

- The **Source Network Maintenance** is required to maintain for every network code and source code combination. For example, refer to [Figure 46](#).

Figure 46: Source Network Maintenance (PMDSORNW)

The screenshot displays the 'Source Network Preferences Detailed' window. At the top, there is a menu bar with options: New, Copy, Close, Unlock, Print, Enter Query. Below the menu, the following fields are populated:

- Host Code * HOST1
- Source Code * OBTLR
- Network Code * BOOK
- Transaction Type * Outgoing (dropdown)

On the right side, there are descriptive fields:

- Description: OBTLR
- Network Description: BOOKTRANSFER TRANSACTIONS
- Network Type Description: Book Transfers

The main area is divided into several sections with checkboxes and input fields:

- Preferences:**
 - Authorization Rekey Required
 - MIS Group: _____
 - UDF Group: _____
- Sanctions System:**
 - Sanction Check Required
- Pricing:**
 - External Pricing Applicable
- Accounting Preference:**
 - _____
- Authorization Limit:**
 - Authorization Limit Currency: _____
 - Authorization 1 Limit: _____
 - Authorization 2 Limit: _____
 - Network Release Limit: _____

At the bottom, there is a status bar with the following information:

- Maker: USERCD3
- Checker: USERCD3
- Date Time: 2018-04-07 15:41:58
- Mod No: 1
- Record Status: Open
- Authorization Status: Authorized

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

Once the Oracle Banking Branch handing off the transactions to Oracle Banking Payments, and after processing the transactions, the Oracle Banking Payments will push back the notification to Oracle Banking Branch based on the below configurations:

1. For call back configuration on Oracle Banking Payments, perform the maintenance in **External Notification Queue Detailed** screen as shown in [Figure 47](#).

Figure 47: External Notification Queue Detailed (PMDEXTNT)

External Notification Queue Detailed

New Copy Close Unlock Print Enter Query

Host Code * HOST1

Source Code * OBTLR

Communication Type ReST

Notification System Class OBREMO

Timeout in Seconds

JMS Preferences

Outqueue JNDI Name

Queue Profile REVATHY3

WebService Preferences

WebService URL

Service

ReST Preferences

ReST URL http://10.40.160.145:7013/obremo-srv-adp-adapter-services/web/v1/adapter/obpayStatusUpdate

Maker USERCD3 Date Time: 2018-04-07 15:49:22 Mod No 1 Record Status Open

Checker USERCD3 Date Time: 2018-04-07 15:49:22 Authorization Authorized Status

Exit

3. Update the **Queue Connection Profile Maintenance Detailed** screen as shown in [Figure 48](#).

NOTE: The **Profile ID** mentioned in [Figure 48](#) needs to be maintained as the **OBREMO User ID** for the specific branch. The **Profile ID** will be sent as **User ID** in the request header for the call back from Oracle Banking Payments to OBREMO.

Figure 48: Queue Connection Profile Maintenance Detailed (PMDQPROF)

Queue Connection Profile Maintenance Detailed

Save

Profile ID * Queue Authentication Required

Profile Description

User ID

Password

Context Provider URL

Initial Context Factory Class

Queue Factory JNDI

Maker Date Time: Mod No Record Status

Checker Date Time: Authorization Status

Cancel

4. Oracle Banking Virtual Account Management Integration

4.1 Introduction

You can integrate Oracle Banking Virtual Account Management product with Oracle Banking Branch. This chapter briefs you about the specific steps needed for integration of these two products and specific maintenances.

4.2 Configurations for Oracle Banking Branch

This section describes the specific configurations needed for Oracle Banking Branch to integrate with Oracle Banking Virtual Account Management.

To configure for Virtual Account support, update the following value:

```
BRANCHCOMMON.SRV_TM_BC_PARAM_DTLS set PARAM_VALUE = Y where
PARAM_NAME='VAM_INTEGRATED'
```

To configure for Virtual Identifier support, update the following value:

```
BRANCHCOMMON.SRV_TM_BC_PARAM_DTLS set PARAM_VALUE = Y where
PARAM_NAME='VAM_IDENTIFIER'
```

4.2.1 Server IP and Port Details

In the SRV_TM_AD_EXT_SYS_DEST_DTLS table, you need to update the server IP and port in column HOST_SERVER and GL in column BRIDGE_GL for the following Oracle Banking Virtual Account Management services:

- VAM_ACC_URL for Virtual Account
- VAM_EAC_CHECK for Virtual Identifier

NOTE: Virtual Identifier does not required BRIDGE_GL.

4.2.2 Oracle Banking Payments Services

Following API service will be called from Oracle Banking Branch during transaction processing and handoff to Oracle Banking Virtual Account Management.

DESTINATION	URL VALUE
VAM_ACC_URL	/obvam-transaction-journal-services/service/txns
VAM_EAC_CHECK	/obvam-transaction-journal-services/service/eac

4.3 Maintenance for OBVAM

This section describes the specific maintenances needed for Oracle Banking Virtual Account Management to integrate the same with Oracle Banking Branch. Perform the following steps:

1. Maintain entry in CMC_TM_EXT_SYSTEM table in common core with valid WSDL URL for FCUBSCoreentitiesService web service exposed by Oracle Banking Virtual Account Management.
2. Create a user for Oracle Banking Branch and assign role for user to perform journal transactions in Oracle Banking Virtual Account Management. Share the user to Oracle Banking Branch.

Navigation Route: Security Management > User > Create User

NOTE: For information on fields, refer to Security Management System User Guide in the Oracle Banking Branch Documentation Library.

Figure 49: Create User

The screenshot shows the 'Create User' form with the following fields and values:

User Details			
Username *	Login ID *	Home Branch *	
OBPMUSER	OBPMUSER	000	
Status			
User Status *	Status Changed On *	Is Supervisor *	Manager ID *
Enable	Apr 1, 2018	<input checked="" type="checkbox"/>	ADMINUSER2
Start Date *	End Date		
Apr 1, 2018			
Other Details			
Access to PII	Email ID *	Telephone Number	Home Phone Number
<input checked="" type="checkbox"/>	obpmuser@oracle.com	9834334433	

3. Maintain the Upload source code for external system Oracle Banking Branch.

Navigation Route: Core Maintenance > Upload Source > Create Upload Source

NOTE: For information on fields, refer to Common Core User Guide in the Oracle Banking Branch Documentation Library.

Figure 50: Create Upload Source

The screenshot shows a web form titled "Create Upload Source". At the top left, there is a "New" button. Below it, the "Source Code" field contains the text "OBPM". The "Source Description" field contains "Oracle Banking Payments". To the right of the description field, there are two toggle switches: "Base Data From Flexcube" is currently turned off, and "System Authorization Required" is currently turned on. At the bottom right corner of the form, there are two buttons: "Save" and "Cancel".