Integration Guide

Oracle Banking Branch

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ORACLE

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.

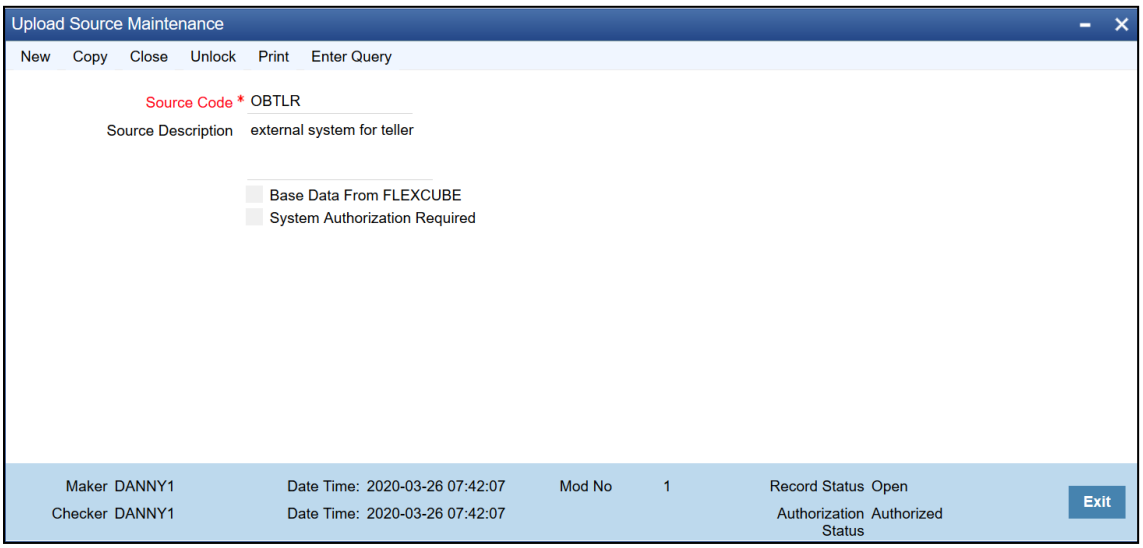
2.2 Maintenance for FLEXCUBE Universal Banking

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

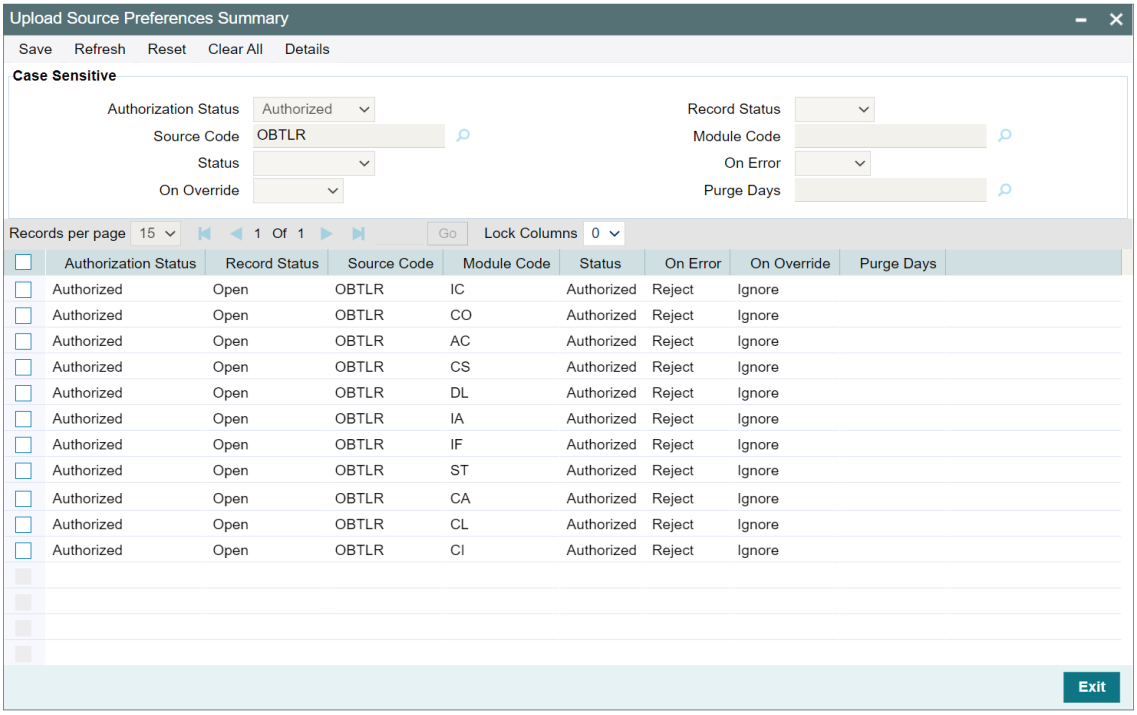
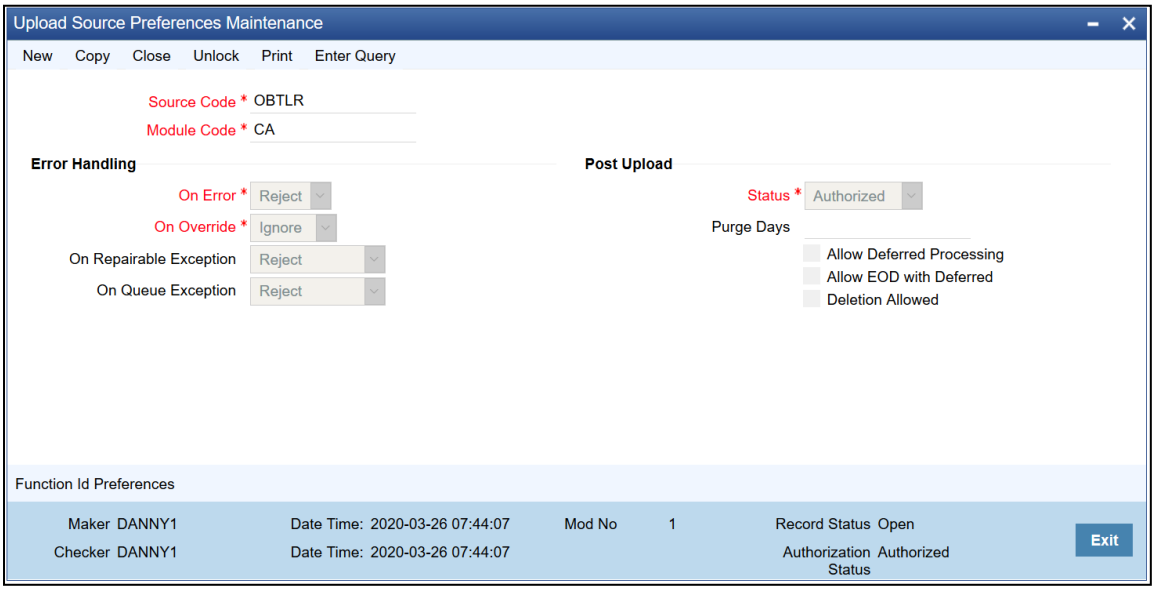


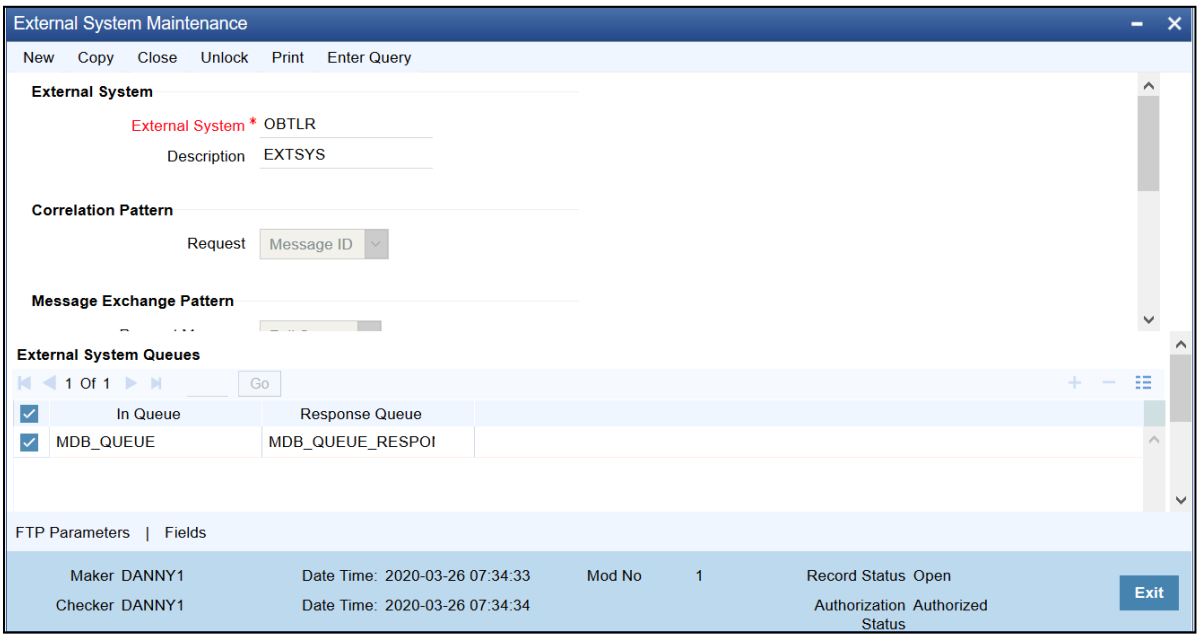
Figure 3: Upload Source Maintenance



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.

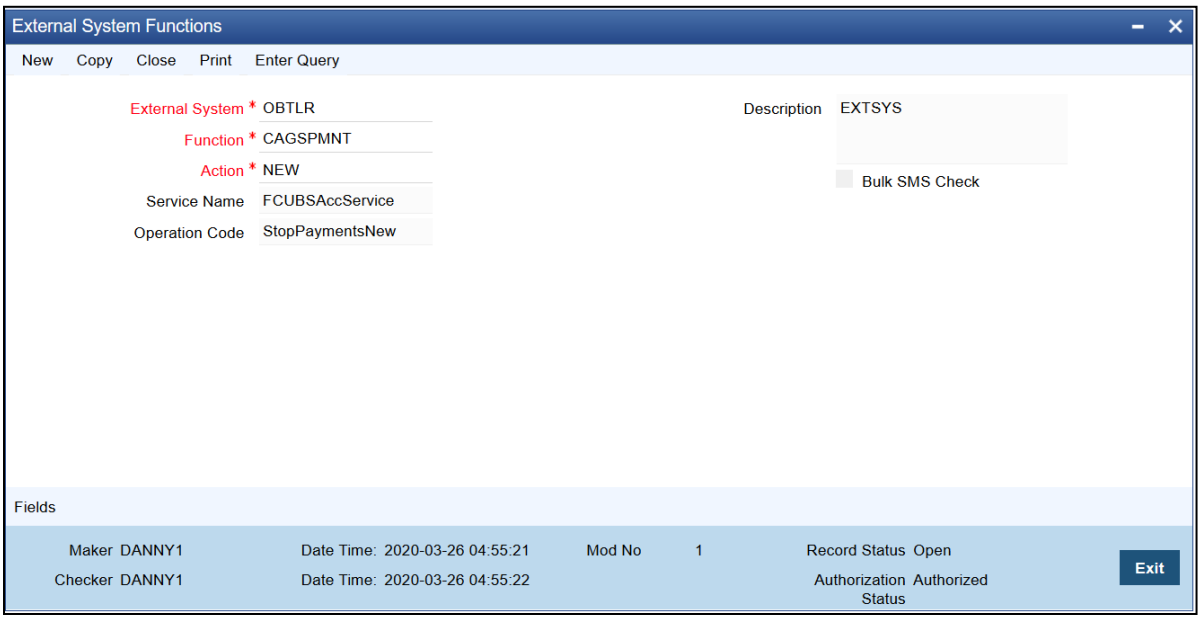
Figure 4: External System Maintenance



2.2.4 GWDETFUN – 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 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/CreateTDRedem	ICGREDMN	NEW
			FCUBSAccService/ QueryCustAccBalance	ACQABLQY	VIEW
TDR2	TD Redemption Against Account	Transaction Screen	FCUBSTDService/CreateTDRedem	ICGREDMN	NEW
			FCUBSAccService/ QueryCustAccBalance	ACQABLQY	VIEW
TDT1	TD Top-Up Against Cash	Transaction Screen	FCUBSAccService/ CreateTDTopUp	STGTDTOP	NEW
			FCUBSAccService/ QueryTDCustAcc	STQCUSTD	VIEW
TDT2		Transaction Screen	FCUBSAccService/ CreateTDTopUp	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/QuerySDRental 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/SummaryQueryCardMaster	STVCRDMS	VIEW
			FCUBSSTService/ModifyCardMaster	STGCRDMS	UNLOCK

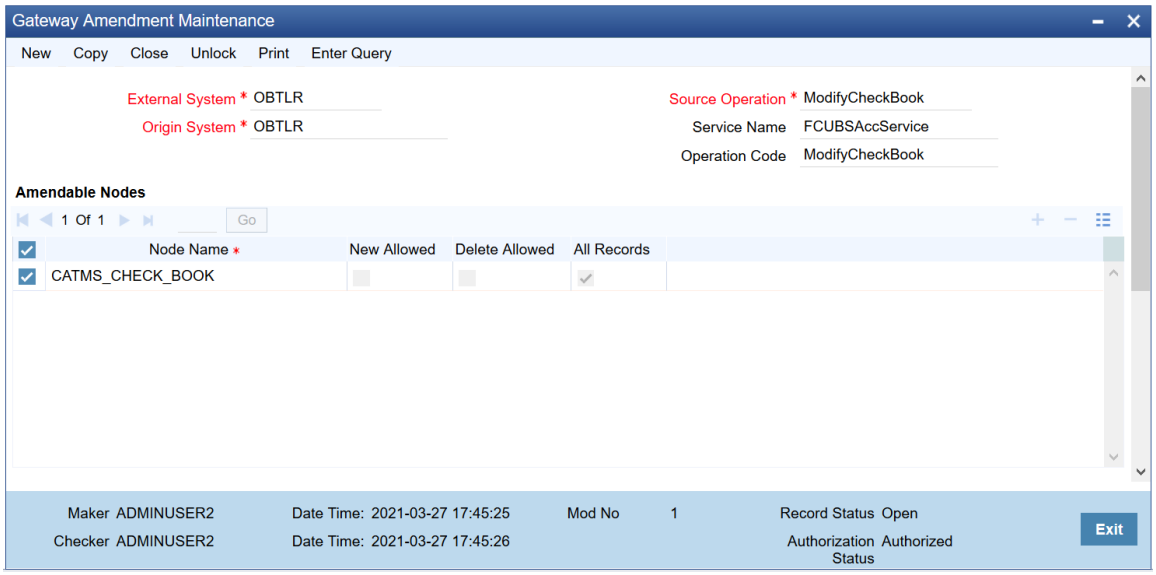
Maintain EXTSYS as External System, and the other External System Functions as mentioned below:

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 GWDAMDMT – Gateway Amendment Maintenance

Specify the details in the fields as shown in *Figure 6*. For information on fields, refer to Common Core - Gateway User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 6: Gateway Amendment Maintenance

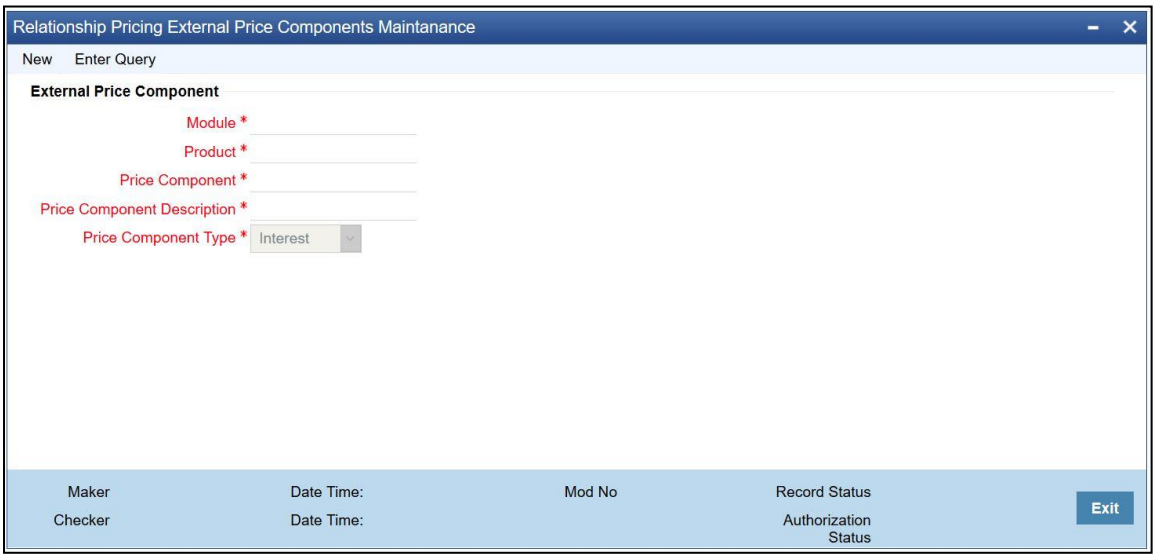


2.2.6 Relationship Pricing Integration

2.2.6.1 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 7: Relationship Pricing External Price Components Definition



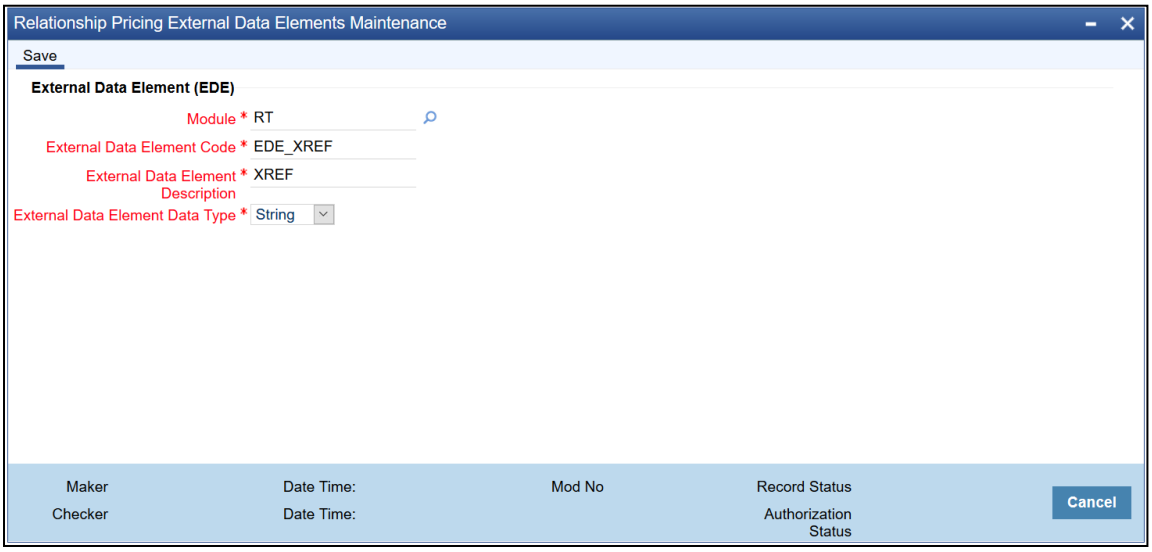
Specify the values in the fields as follows:

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.

2.2.6.2 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 8: Relationship Pricing External Data Elements Maintenance



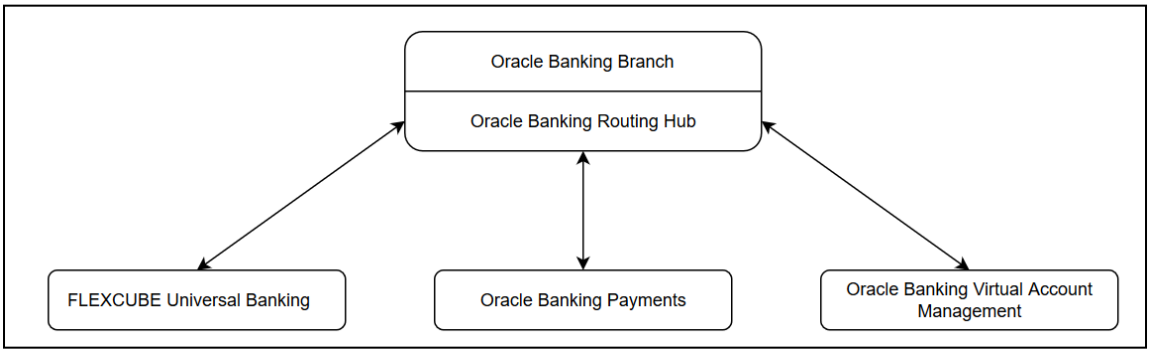
This screen is used to maintain the External Data Elements of Oracle Banking Branch in FLEXCUBE Universal Banking. Specify the details in the fields as shown in *Figure 8*. The details of External Data Elements of Oracle Banking Branch are provided in table FCC_OBREMO_BRANCH_COMMON.SRV_TM_BC_EDE_LIST.

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 9: 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 FLEXCUBE Universal Banking 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 Oracle Banking Branch teller transitions to create, update, query or delete host system. A host system can be FLEXCUBE Universal Banking, Oracle Banking Payments 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:

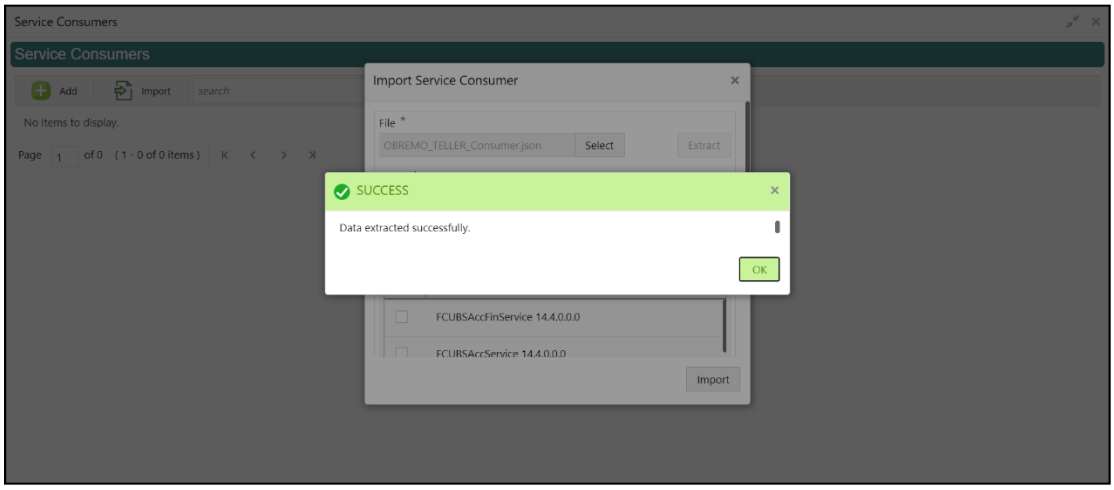
1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

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

Figure 10: Service Consumers

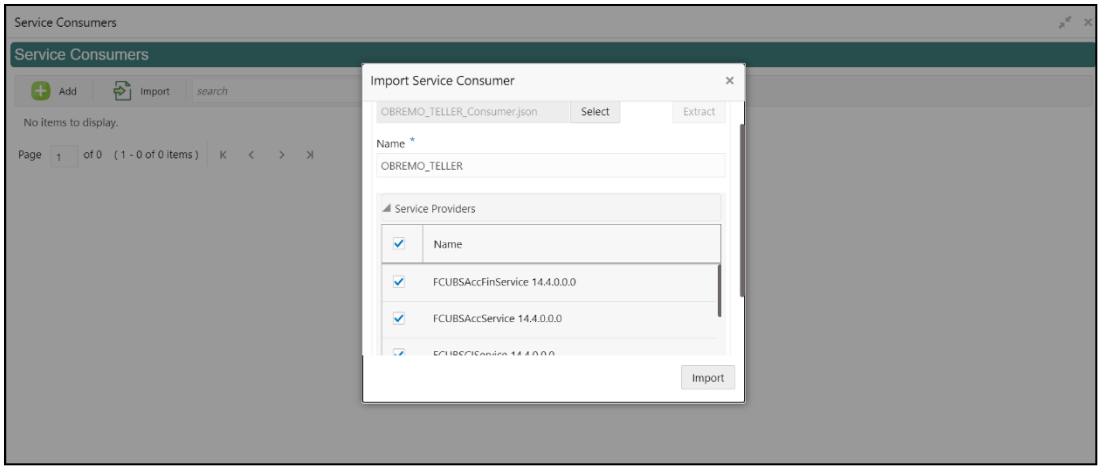
2. Click **Import**.
3. Upload the **OBREMO_TELLER_Consumer.json** file provided in the release (Folder path: \OBBRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 11: Extract JSON File



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

Figure 12: Service Provider Selection

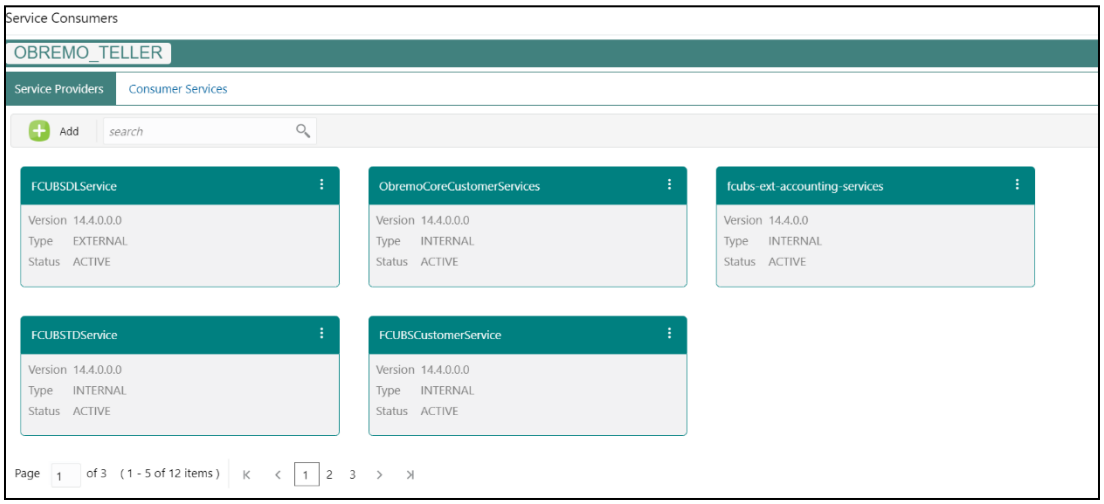


NOTE: A sample screen after Import operation is shown in *Figure 13*.

Figure 13: Imported Service Consumers

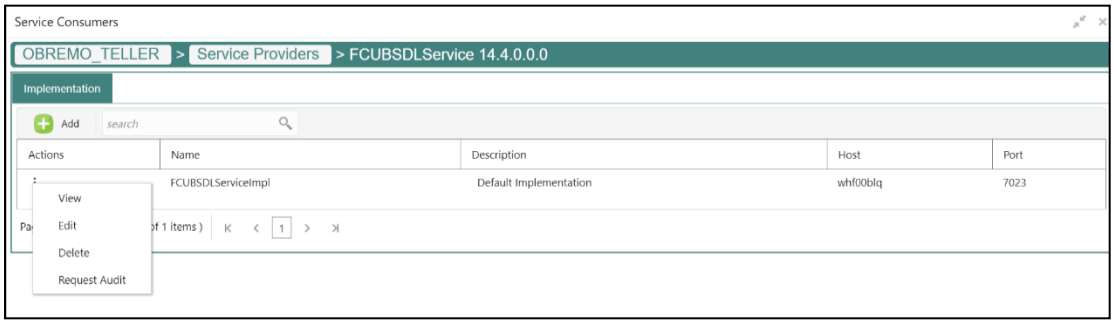
5. Click **OBREMO_TELLER**.

Figure 14: OBREMO_TELLER



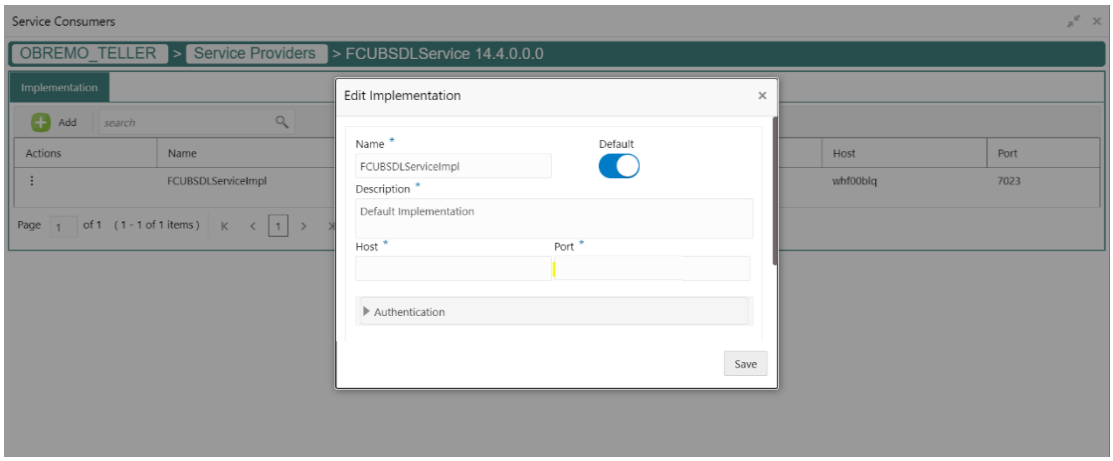
6. Click on the individual service provider, and select **Edit**.

Figure 15: Edit Service Provider



7. Specify the **Host** and **Port** as per the host system (FLEXCUBE Universal Banking or Oracle Banking Payments) installation, and click **Save**.

Figure 16: Edit Implementation



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

NOTE: The list of consumer services shown in the *Figure 17* thru *Figure 22* will be imported.

Figure 17: List of Service Providers - 1

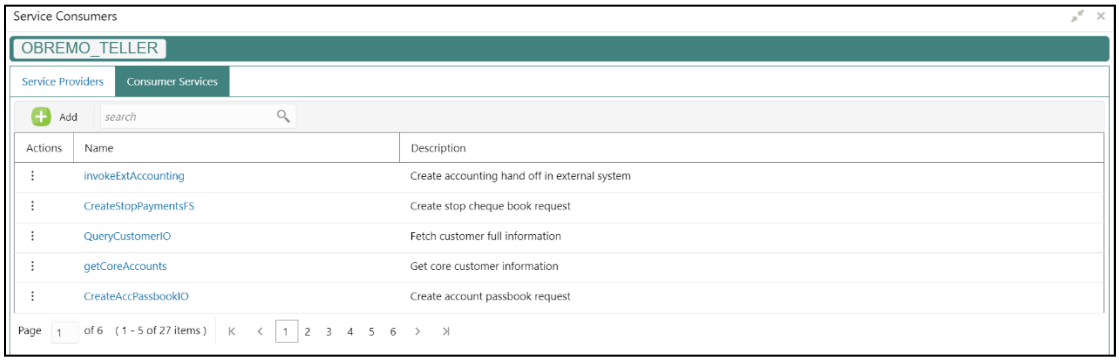


Figure 18: List of Service Providers - 2

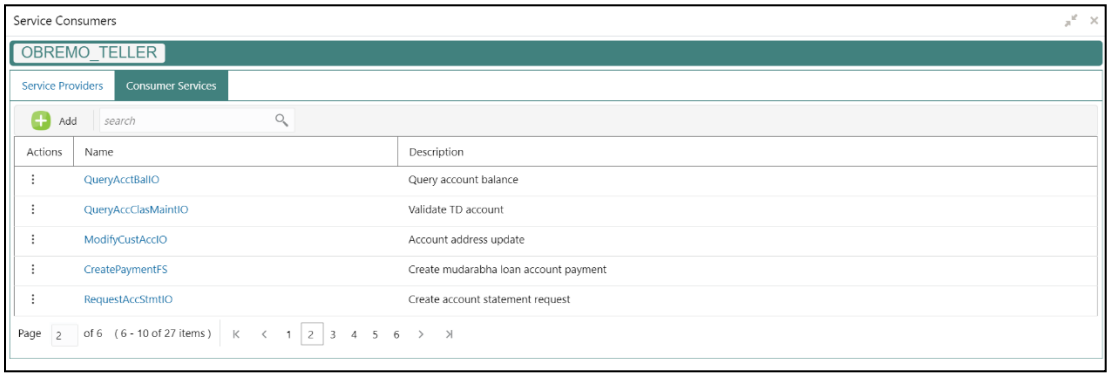


Figure 19: List of Service Providers - 3

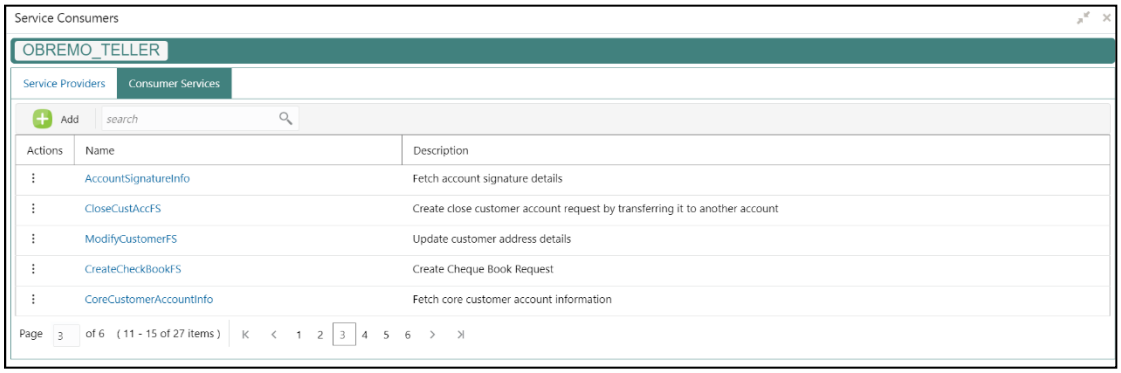


Figure 20: List of Service Providers - 4

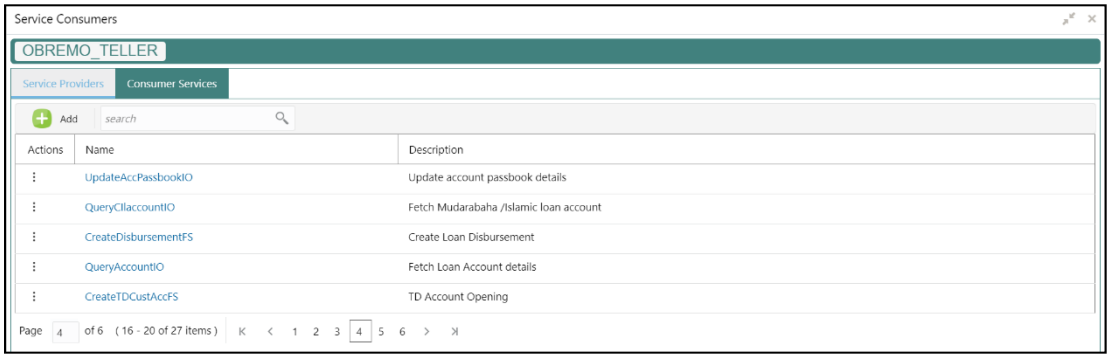


Figure 21: List of Service Providers - 5

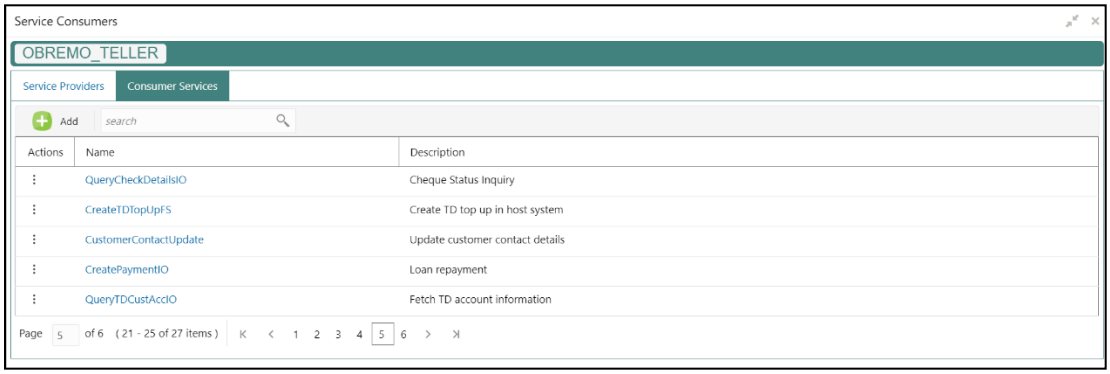
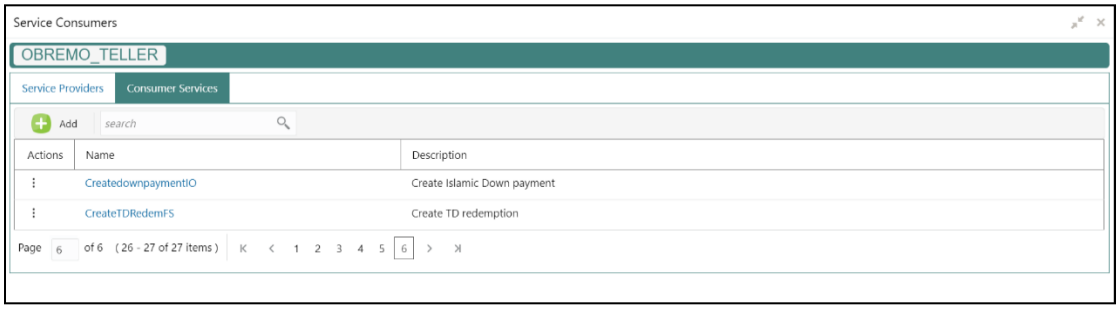


Figure 22: List of Service Providers - 6



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 23: 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 24: Import JSON File

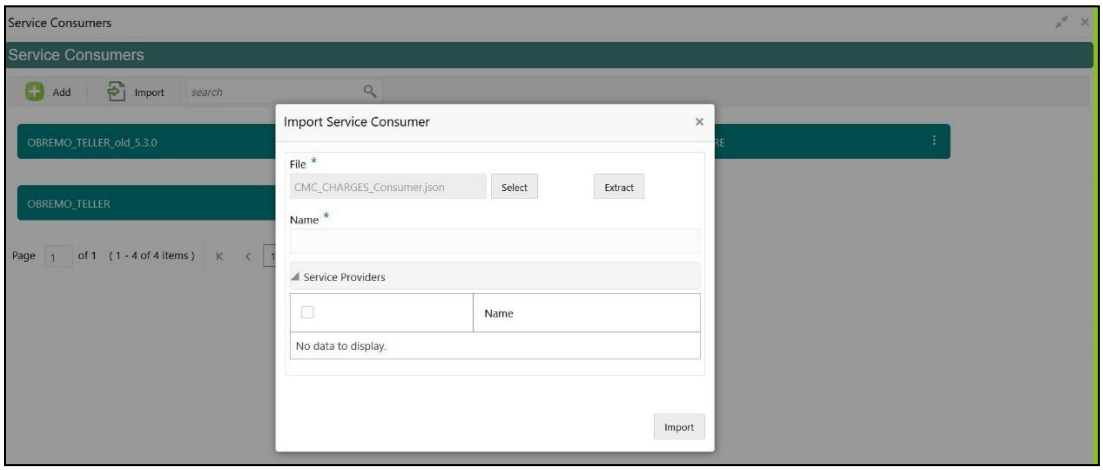
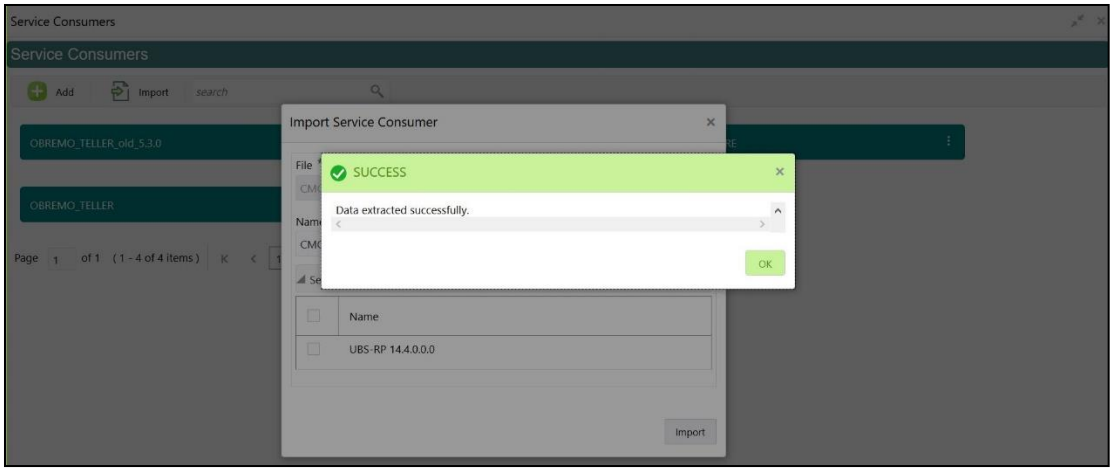
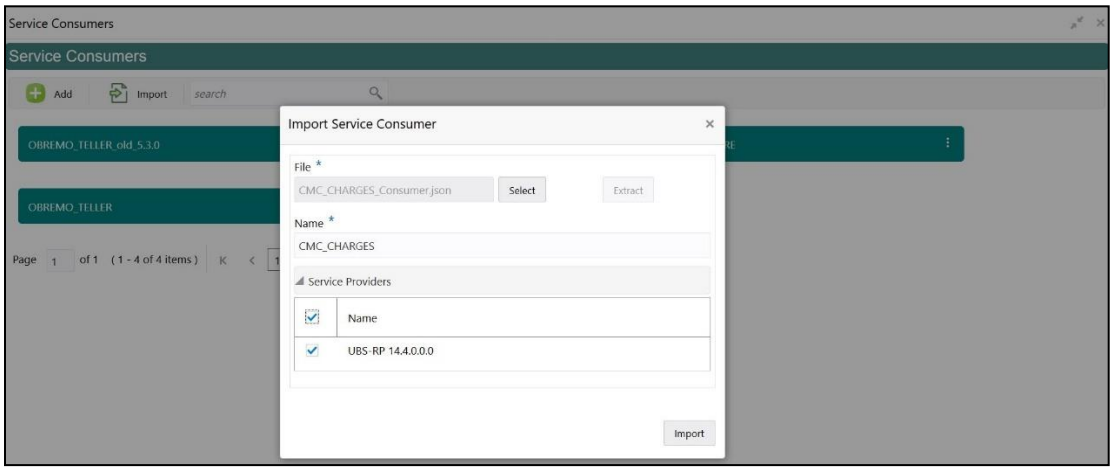


Figure 25: Extract JSON File



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

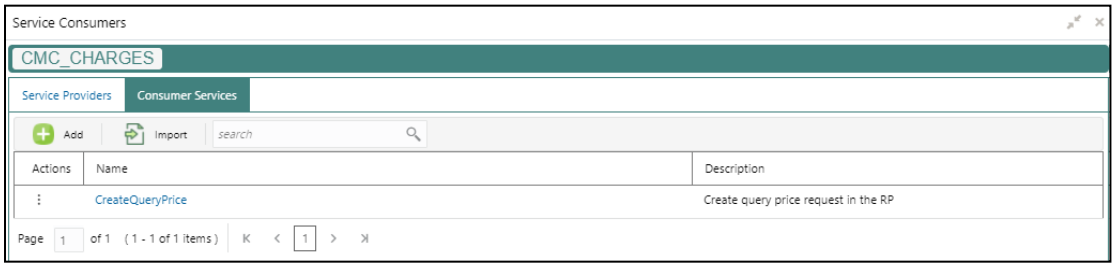
Figure 26: Service Provider Selection



NOTE: The sample screens after import operation are shown in *Figure 27* and *Figure 28*.

Figure 27: Imported Service Consumers

Figure 28: 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 CASA transitions of Oracle Banking Branch to create, update, and query host system. A host system can be FLEXCUBE Universal Banking.

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:

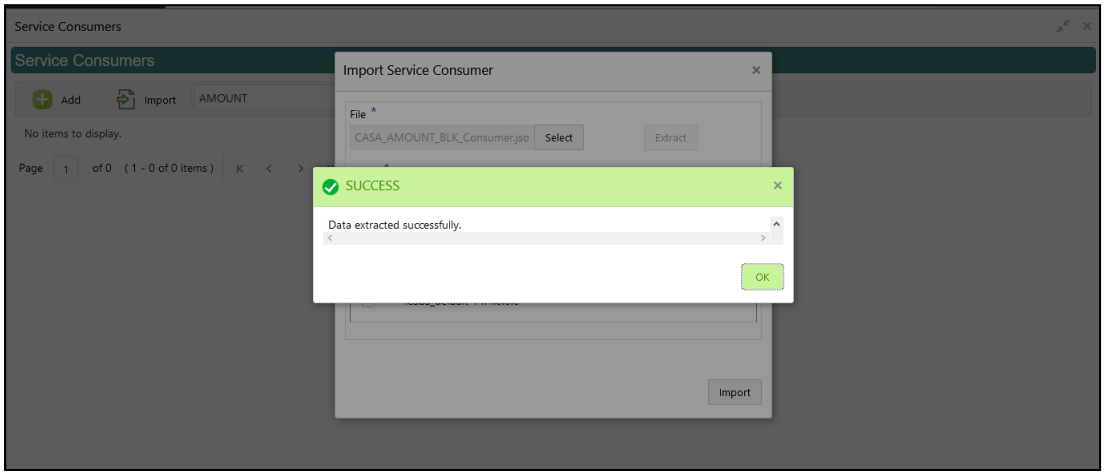
1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

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

Figure 29: Service Consumers

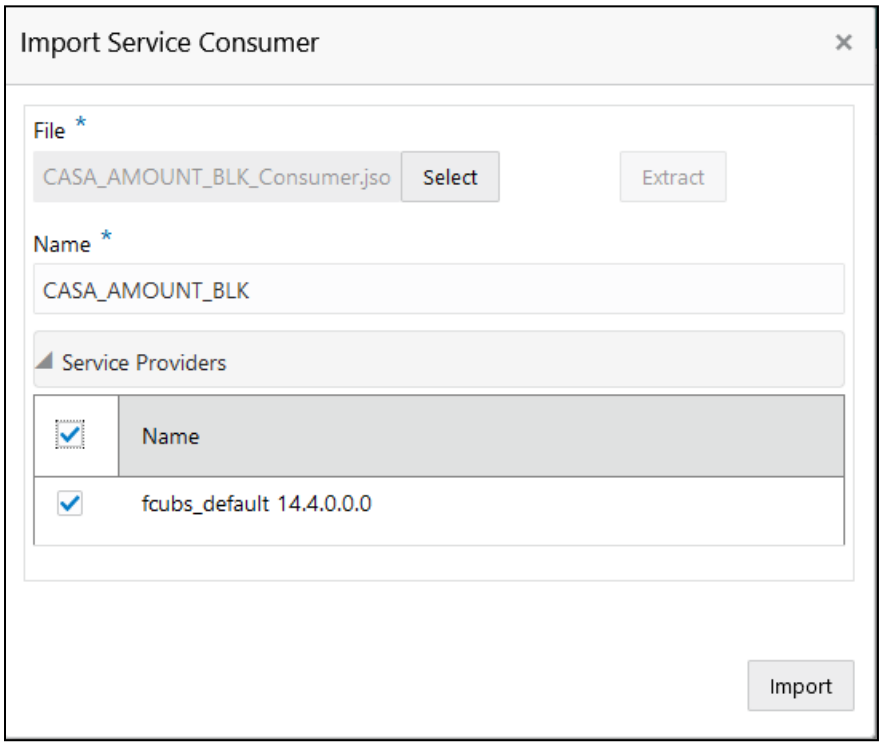
2. Click **Import**.
3. Upload the **CASA_AMOUNT_BLK_Consumer.json** file provided in the release (Folder path: \OBBRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 30: Extract JSON File



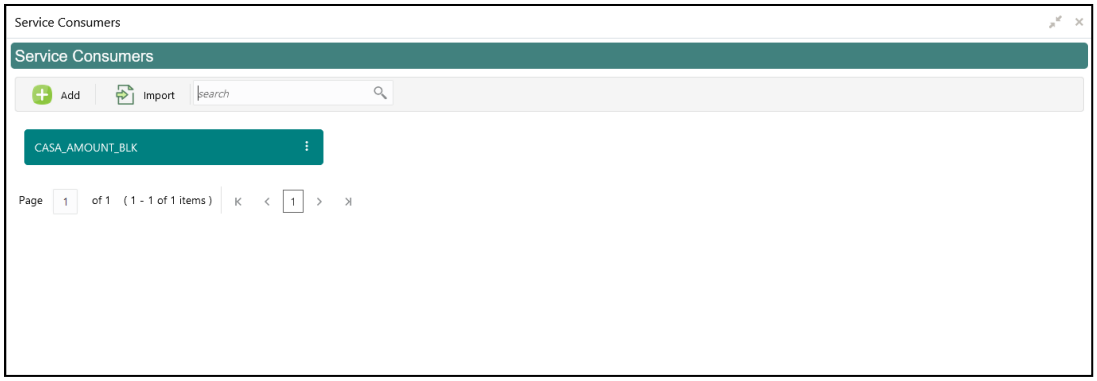
4. Select all the extracted service providers, and click **Import**.

Figure 31: Service Provider Selection



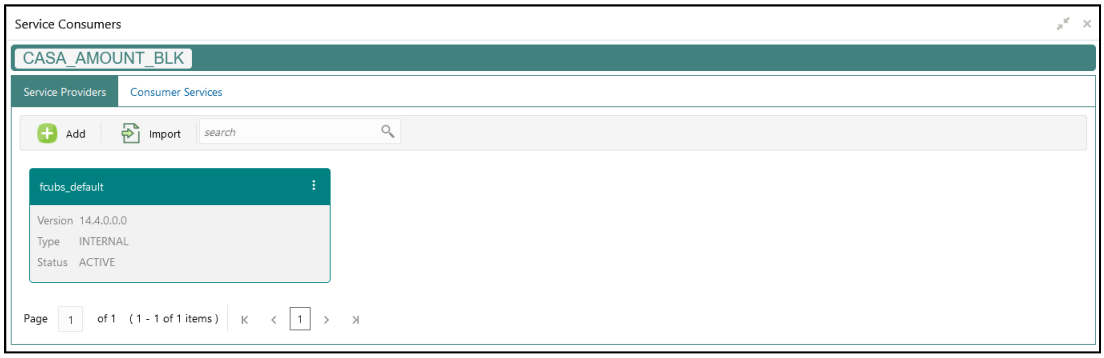
NOTE: A sample screen after Import operation is shown in *Figure 32*.

Figure 32: Imported Service Consumers



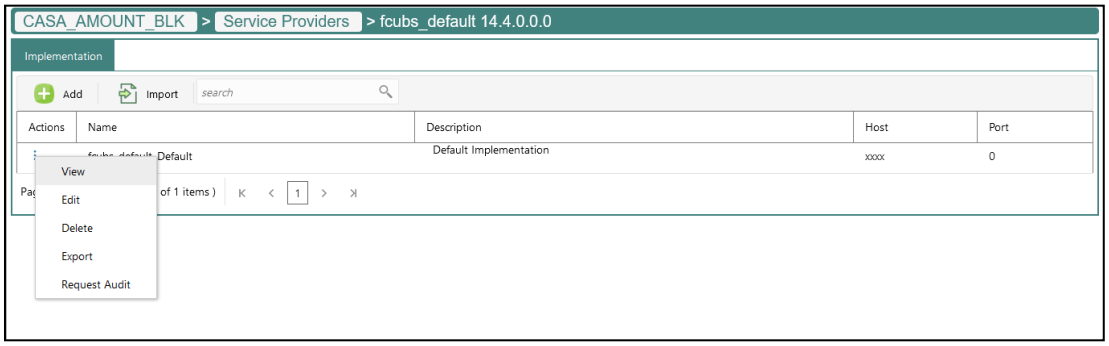
5. Click **CASA_AMOUNT_BLK**.

Figure 33: CASA_AMOUNT_BLK



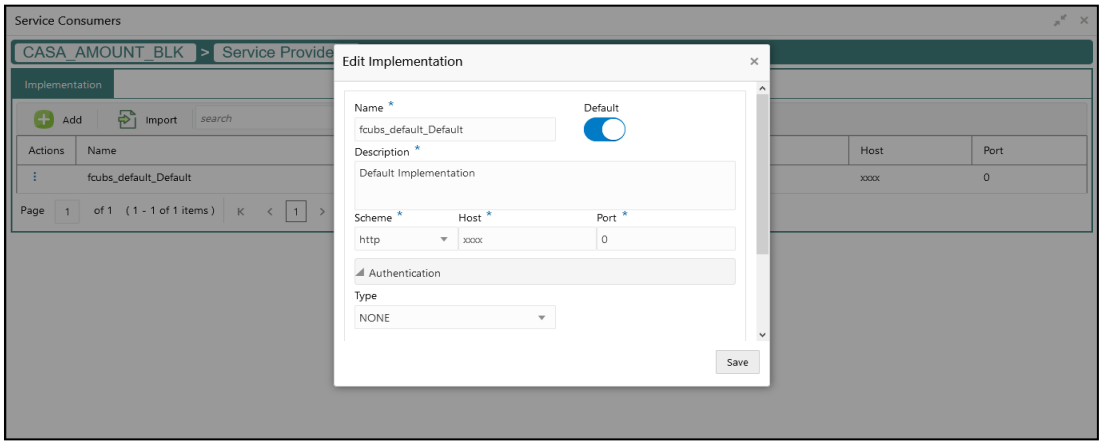
6. Click on the individual service provider, and select **Edit**.

Figure 34: Edit Service Provider



7. Specify the **Host** and **Port** as per the host system (FLEXCUBE Universal Banking) installation, and click **Save**.

Figure 35: Edit Implementation



8. 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_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_3
- CASA_ACCT_STMNT_FREQ

2.3.2 Direct Access

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

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 services of FLEXCUBE Universal Banking.

2.3.2.2 FLEXCUBE Universal Banking Services

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

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
GATEWAY_URL	

DESTINATION	URL VALUE
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 36*. For information on fields, refer to Common Core User Guide in the Oracle Banking Branch Documentation Library.

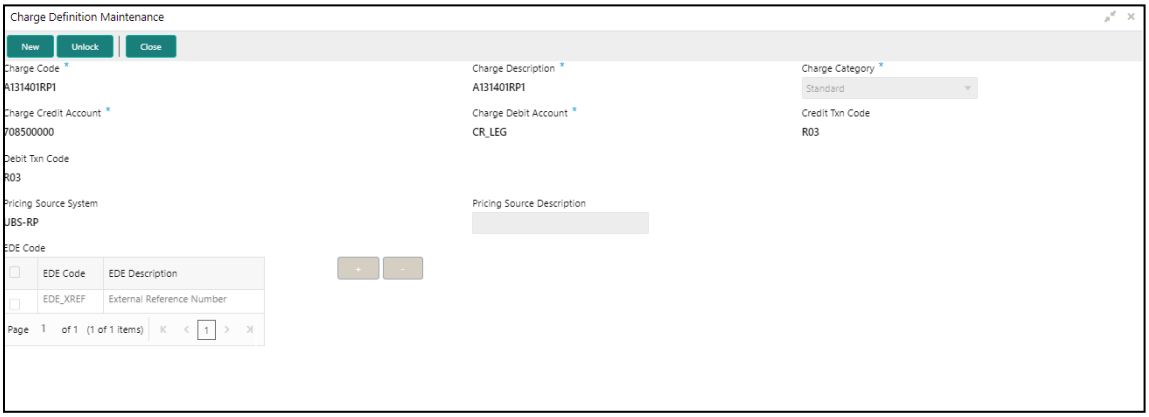
Figure 36: Pricing Source System

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 37*. For information on fields, refer to Oracle Banking Branch User Guide in the Oracle Banking Branch Documentation Library.

Figure 37: Charge Definition Maintenance



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.

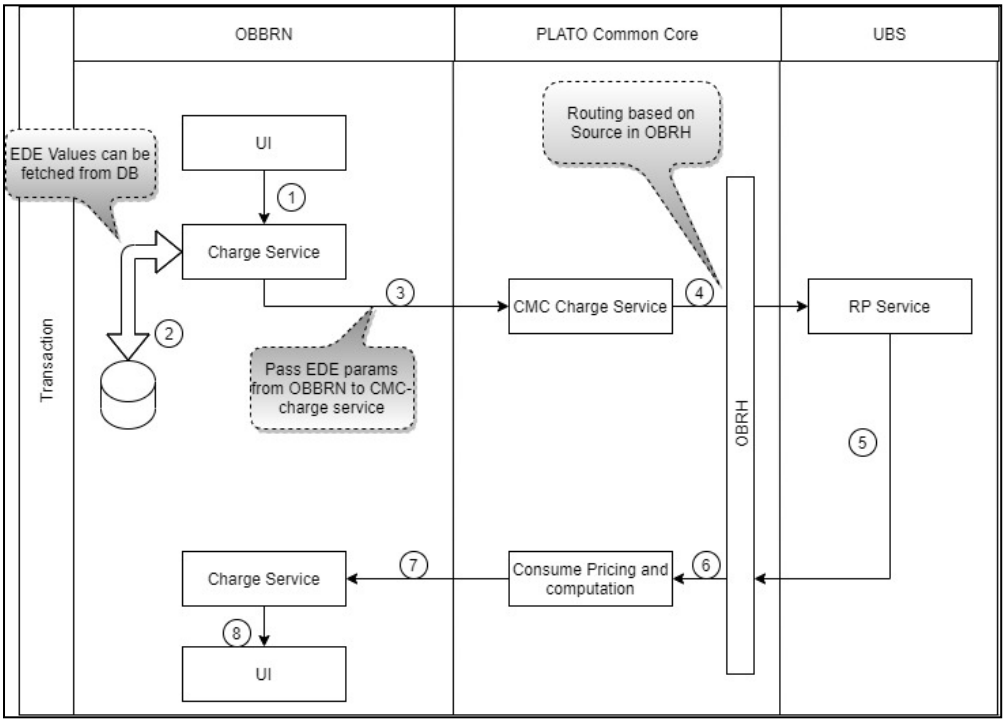
2.3.3.4 Transaction Charge Computation

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 38*.

Figure 38: Relationship Pricing Transactional Flow



2.4 Maintenance for Core 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. Replication is supported for the below mentioned entities:

- Customer
- Account
- External Chart of Accounts
- Transaction Code
- Exchange Rates
- Currency Holiday Maintenance
- Local Holidays
- Currency Pair
- Currency Rate Type
- Currency Definition

The following operations are provided as a part of replication:

- Create
- Modify
- Open
- Re-open

2.4.1.1 SERVICE-CONSUMER Platocore

The SERVICE-CONSUMER for the entities are described in this sub-section.

Login Screen:

Perform the following steps:

1. Open the URL of the application.

Figure 39: Login Screen

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

NOTE: The Service Producers and Consumers are added for all the entities.

2.4.1.2 Service Consumer

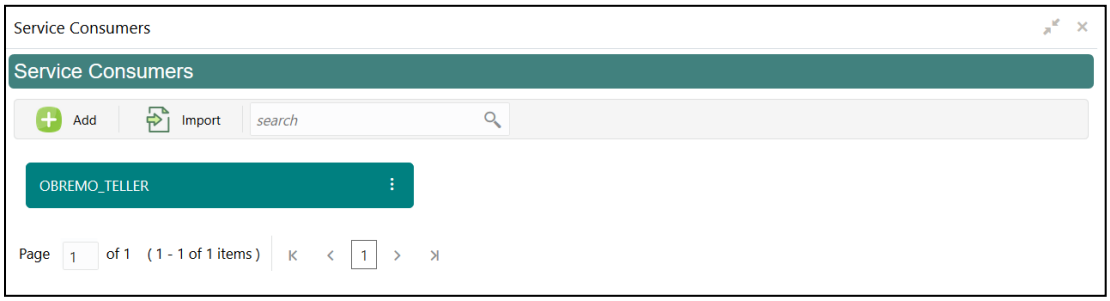
Service Consumer is an Oracle product which will invoke Oracle Banking Routing Hub API. Oracle Banking Routing Hub will analyze, evaluate destination product processor, and transform data into format of the same. It comprises of the source and destination integration details.

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 40: Service Consumers

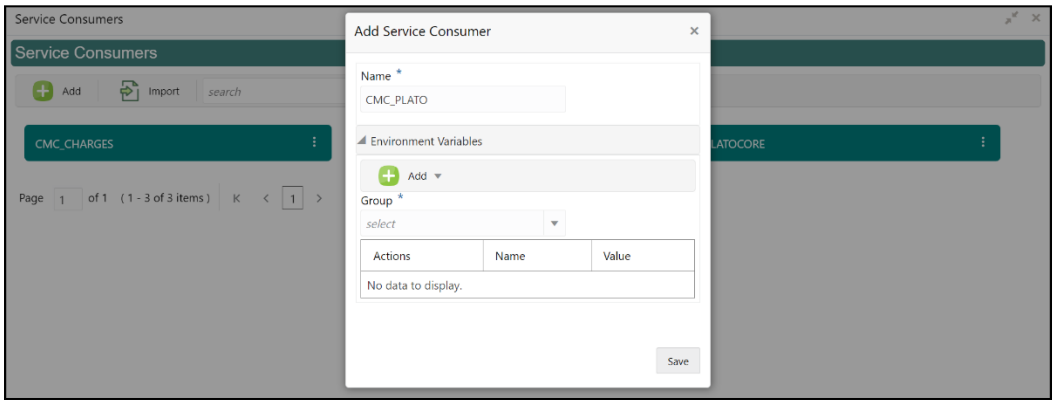


2.4.1.2.1 Add Service Consumers

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

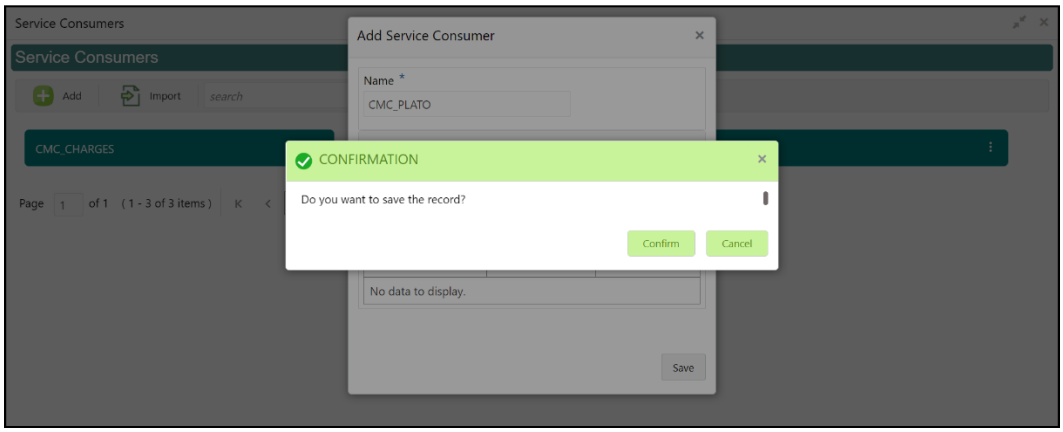
1. In the **Service Consumers** screen, click **Add** to create a new Oracle Banking Routing Hub template.

Figure 41: Add Service Consumer



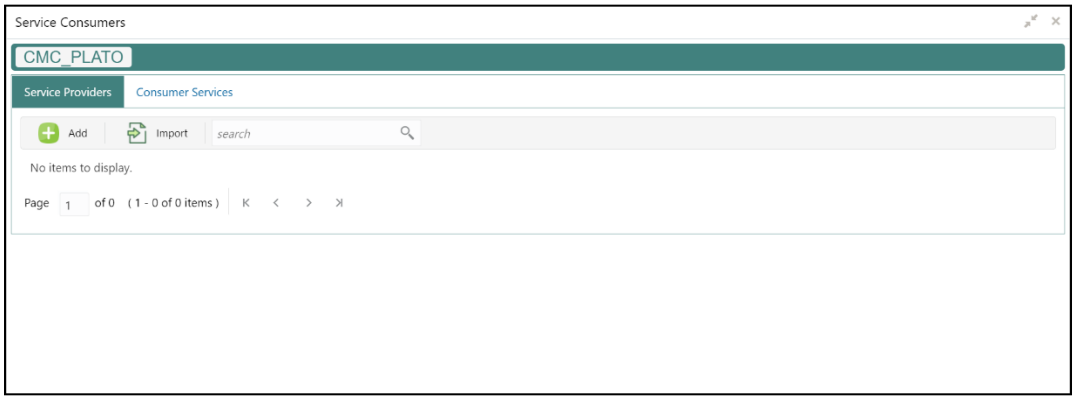
2. Specify the necessary details, and click **Save** to create template.

Figure 42: Add Service Consumer – Save



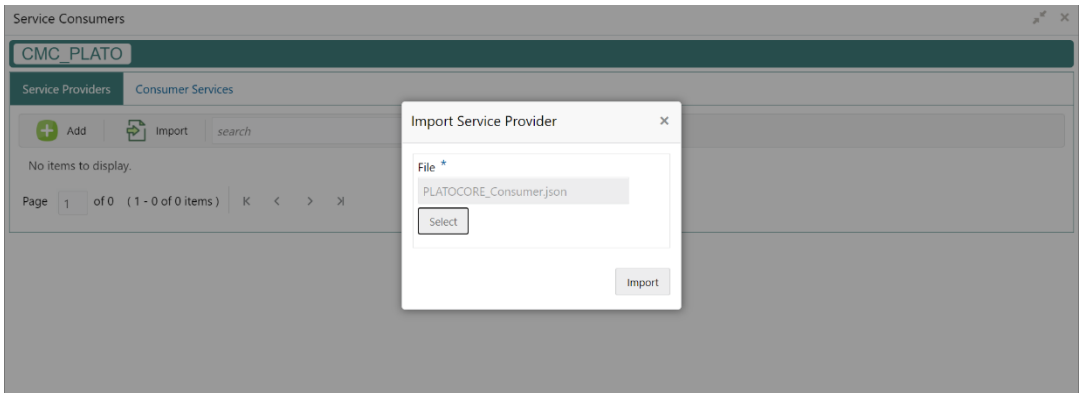
3. Click **CMC_PLATO**, and select **Import** to import the necessary file.

Figure 43: Import Service Provider



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

Figure 44: JSON File Selection



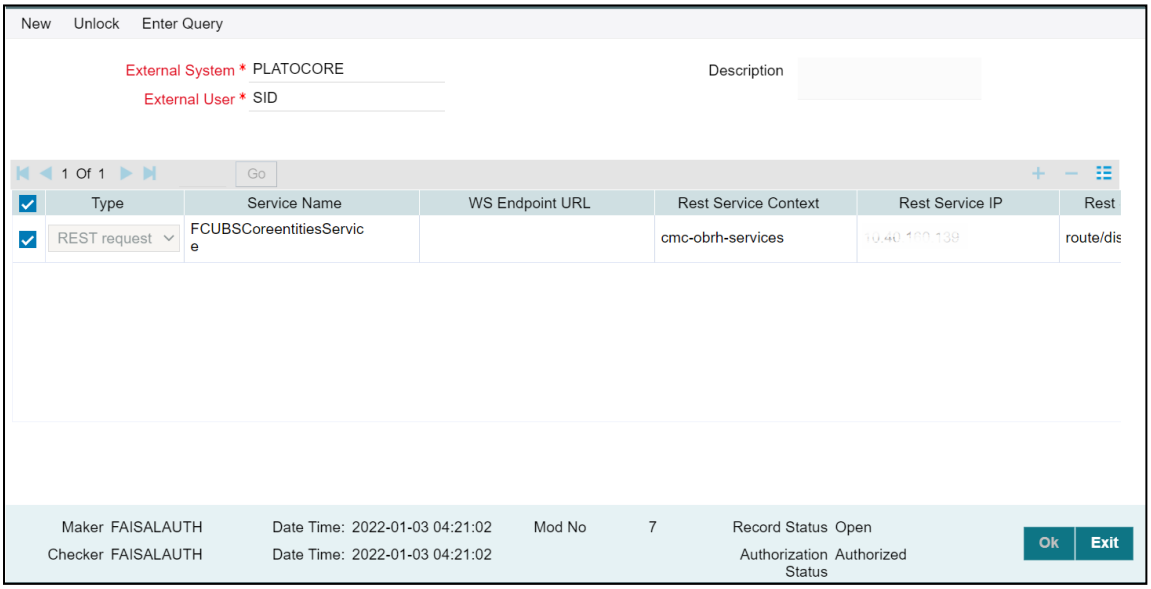
5. Click **Import** button.

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 45*. For information on fields, refer to Oracle FLEXCUBE UBS - ELCM Integration guide in the FLEXCUBE Universal Banking Documentation Library.

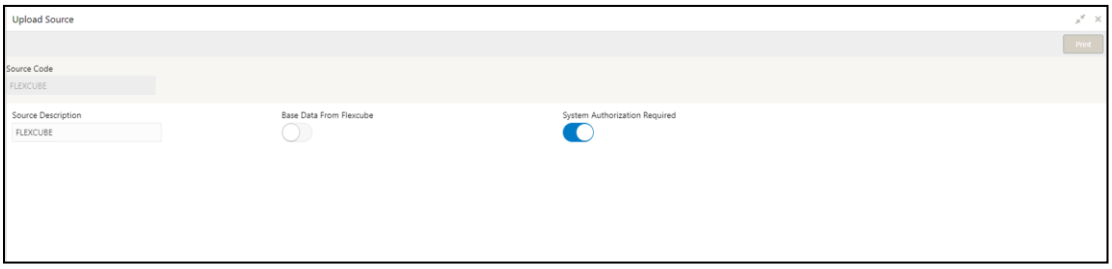
Figure 45: PLATOCORE System Maintenance



2.4.3 Upload Source Code Maintenance

Specify the details in the fields as shown in *Figure 46* to maintain the Upload source code for external system in the Oracle Banking Branch. For information on fields, refer to Common Core User Guide in the Oracle Banking Branch Documentation Library.

Figure 46: Create Upload Source



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:

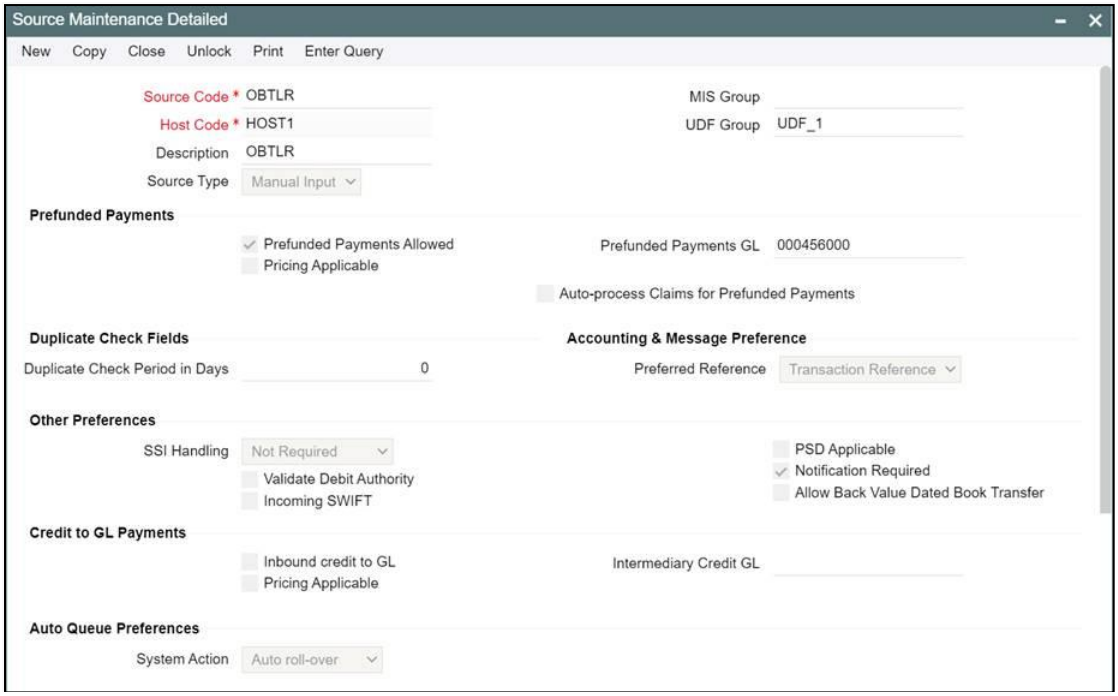
- **Host Code** tag is optional and will be sent as Null from Oracle Banking Branch for all services.
- **Source Code** tag will populated as OBTLR from Oracle Banking Branch for all services.
- **Network Code** tag for Single Payout service has to be populated as below:
  - **BOOK** for Account Transfer
  - **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:

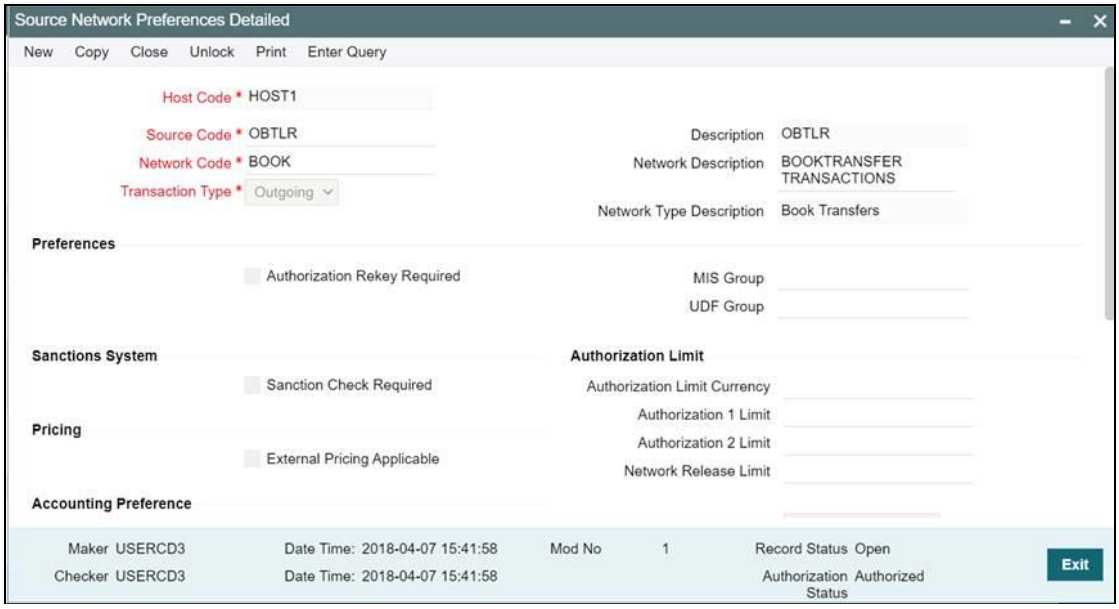
1. Update the **Source Maintenance Detailed** screen as shown in *Figure 47*.

Figure 47: Source Maintenance Detailed (PMDSORCE)



2. The **Source Network Maintenance** is required to maintain for every network code and source code combination. For example, refer to *Figure 48*.

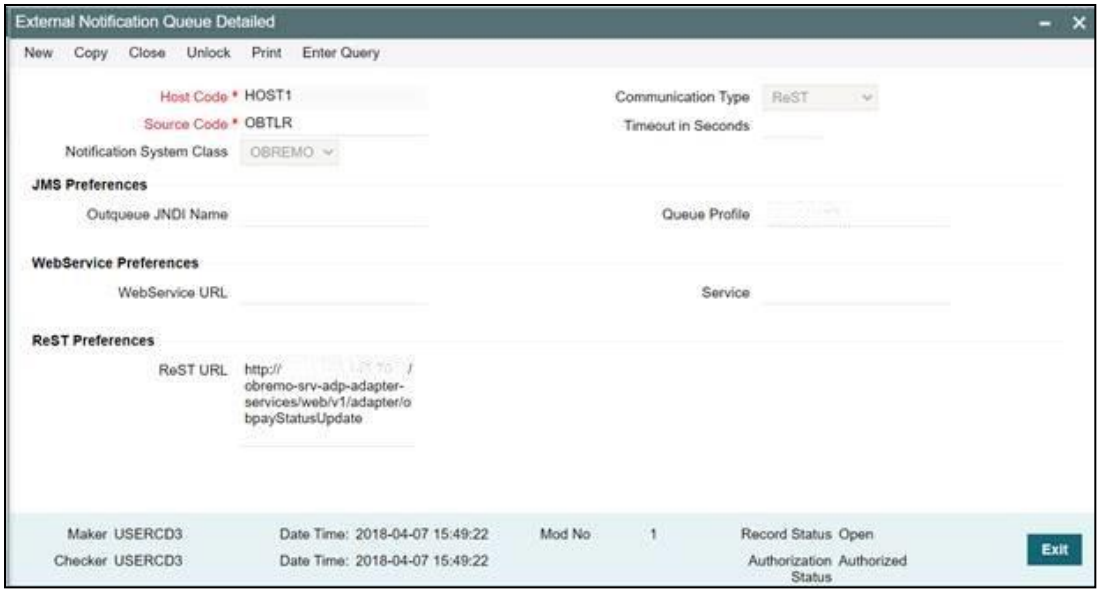
Figure 48: Source Network Maintenance (PMDSORNW)



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 49*.

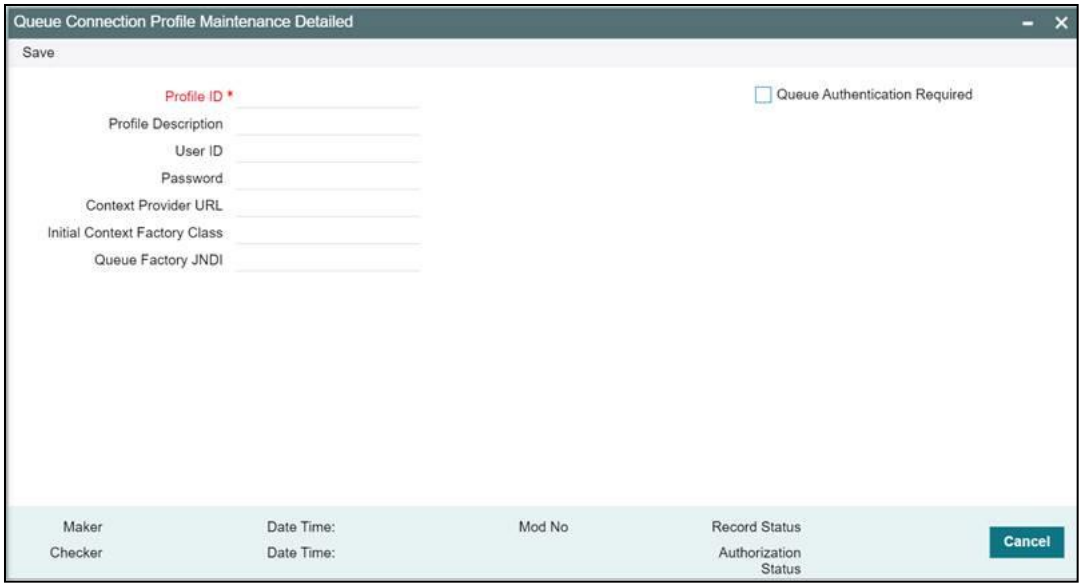
Figure 49: External Notification Queue Detailed (PMDEXTNT)



3. Update the **Queue Connection Profile Maintenance Detailed** screen as shown in *Figure 50*.

   NOTE: The **Profile ID** mentioned in *Figure 50* needs to be maintained as the Oracle Banking Branch **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 Oracle Banking Branch.

   Figure 50: Queue Connection Profile Maintenance Detailed (PMDQPROF)



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 Oracle Banking Virtual Account Management

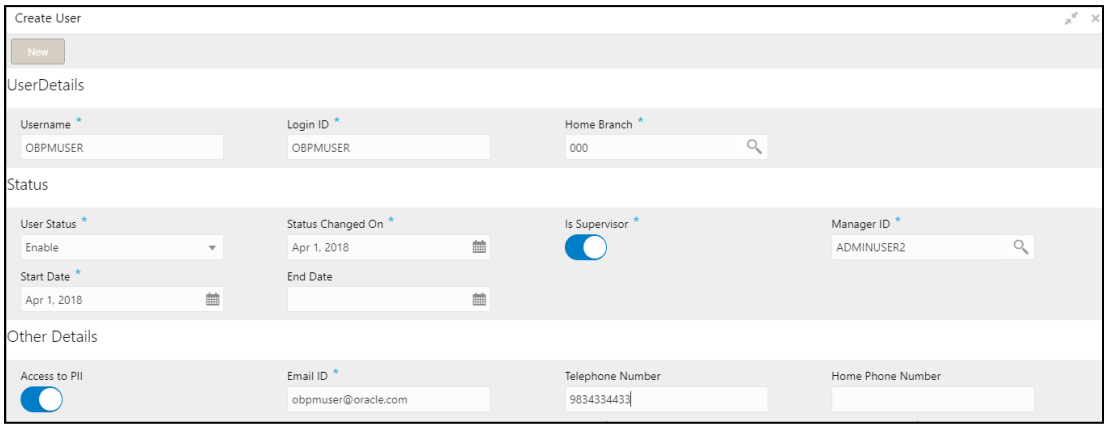
This section describes the specific maintenances needed for Oracle Banking Virtual Account Management to integrate the same with Oracle Banking Branch. Perform the following steps:

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 51: Create User



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 52: Create Upload Source