

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. |

1.4 Related Documents

The related documents in the Oracle Banking Branch Documentation Library are as follows:

- Getting Started User Guide
- Oracle Banking Common Core User Guide
- Oracle Banking Branch User Guide
- Oracle Banking Security Management System User Guide

The related documents in the FLEXCUBE Universal Banking Documentation Library are as follows:

- Common Core - Gateway User Guide
- Core Entities User Guide
- Relationship Pricing User Guide
- FLEXCUBE UBS - ELCM Integration Guide

The related documents in the Oracle Banking Payments Documentation Library are as follows:

- Payments Core User Guide

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.

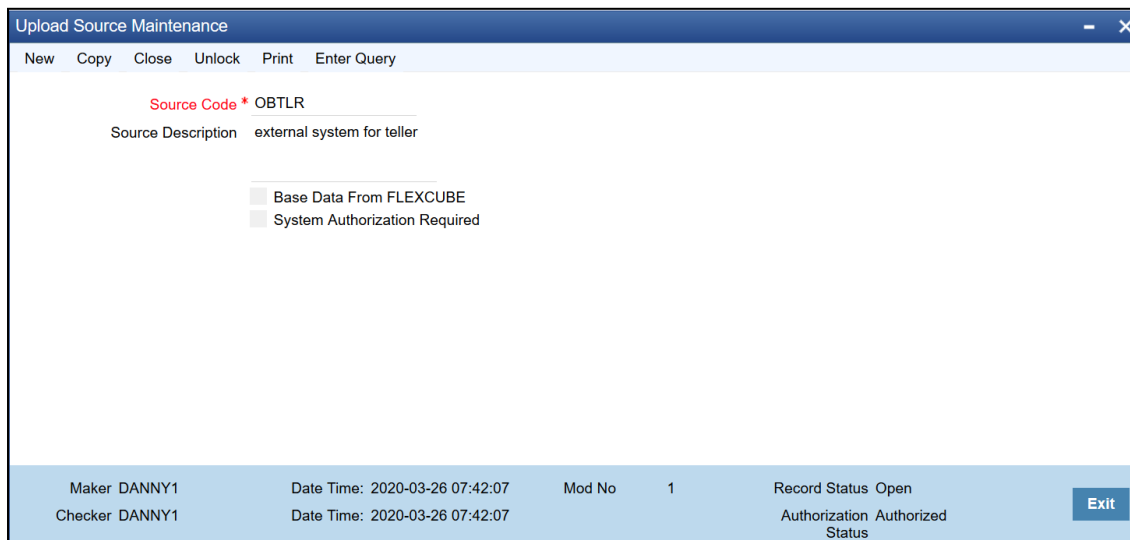
2.2 Maintenance for FLEXCUBE Universal Banking

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

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 Preference 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 Status Authorized

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-based form titled "External System Maintenance". At the top, there is a menu bar with options: New, Copy, Close, Unlock, Print, Enter Query. The form is divided into several sections:

- External System:** Contains a field "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" field with a dropdown menu currently set to "Message ID".
- Message Exchange Pattern:** This section is partially visible and appears to be empty.
- External System Queues:** This section contains a table with two columns: "In Queue" and "Response Queue". There is a "Go" button and pagination controls above the table.

| In Queue | Response Queue |
|---|------------------|
| <input checked="" type="checkbox"/> MDB_QUEUE | MDB_QUEUE_RESPOI |

At the bottom of the form, 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 on the right side of the status bar.

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 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/QueryAcctBal | STQCUSBL | 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 |
| Outstanding Account Balance Inquiry | Inquiry Screen | ConsumerLendingAccBalanceService/ConsumerLendingAccBalance/QueryAccBalance | CLDFGSTC | VIEW |
| Schedule Balance Inquiry | Inquiry Screen | ConsumerLendingSchBalanceService/ConsumerLendingSchBalance/QuerySchBalance | CLDFGSNQ | VIEW |
| Repayment Date Change | Transaction Screen | ConsumerLendingChangeRpmntDtService/ConsumerLendingChangeRpmntDt/ModifyChangeRpmntDt | CLDFGRDM | UNLOCK |

| | | | | |
|------------------------|--------------------|--|-----------|-----------|
| | | ConsumerLendingChangeRpmntDtService/ConsumerLendingChangeRpmntDt/QueryChangeRpmntDt | CLDFGRDM | VIEW |
| View Account Statement | Transaction Screen | ConsumerLendingLoanStatementService/ConsumerLendingLoanStatement/AuthorizeLoanStatement | CLDLSTMT | AUTHORIZE |
| Loan Renegotiation | Transaction Screen | ConsumerLendingAccRenogService/ConsumerLendingAccRenog/ModifyAccRenog | CLDFGREN | UNLOCK |
| Loan Renegotiation | Transaction Screen | ConsumerLendingAccRenogService/ConsumerLendingAccRenog/CreateAccRenog | CLDFGREN | AUTHORIZE |
| Loan Renegotiation | Transaction Screen | /ConsumerLendingAccRenogService/ConsumerLendingAccRenog/QueryAccRenog/accountNumber/ | CLDFGREN | VIEW |
| Disburse | Transaction Screen | ConsumerLendingAccDsbrService/ConsumerLendingAccDsbr/CreateAccDsbr/ | CLDFGDSB | UNLOCK |
| Disburse | Transaction Screen | ConsumerLendingAccDsbrService/ConsumerLendingAccDsbr/CreateAccDsbr/ | CLDFGDSB | AUTHORIZE |
| Disburse | Transaction Screen | /ConsumerLendingAccRenogService/ConsumerLendingAccRenog/QueryAccRenog/accountNumber/ | CLDFGREN | VIEW |
| Loan Write-Off | Transaction Screen | ConsumerLendingLoanWriteoffService/ConsumerLendingLoanWriteoff/QueryLoanWriteoff/accountNumber/{accountNumber}/effectiveDate/{effectiveDate} | CLDFGPWOF | VIEW |
| Loan Write-Off | Transaction Screen | ConsumerLendingLoanWriteoffService/ConsumerLendingLoanWriteoff/CreateLoanWriteoff | CLDFGPWOF | UNLOCK |
| Loan Write-Off | Transaction Screen | ConsumerLendingLoanWriteoffService/ConsumerLendingLoanWriteoff/CreateLoanWriteoff | CLDFGPWOF | AUTHORIZE |
| Adhoc Refund | Transaction Screen | ConsumerLendingLoanAdhocService/ConsumerLendingLoanAdhoc/CreateLoanAdhoc | CLDFGADH | NEW |
| Adhoc Refund | Transaction Screen | ConsumerLendingLoanAdhocService/ConsumerLendingLoanAdhoc/CreateLoanAdhoc | CLDFGADH | AUTHORIZE |

| | | | | |
|--------------|--------------------|---|----------|-----------|
| Adhoc Refund | Transaction Screen | ConsumerLendingLoanAdhocService/ConsumerLendingLoanAdhoc/CreateLoanAdhoc | CLDFGADH | UNLOCK |
| Loan Payment | Transaction Screen | ConsumerLendingLoanPaymentService/ConsumerLendingLoanPayment/QueryLoanPayment/accountNumber/{accountNumber}/valueDate/{valueDate} | CLDFGPMT | VIEW |
| Loan Payment | Transaction Screen | ConsumerLendingLoanPaymentService/ConsumerLendingLoanPayment/CreateLoanPayment | CLDFGPMT | NEW |
| Loan Payment | Transaction Screen | ConsumerLendingLoanPaymentService/ConsumerLendingLoanPayment/CreateLoanPayment | CLDFGPMT | AUTHORIZE |
| Loan Payment | Transaction Screen | ConsumerLendingLoanPaymentService/ConsumerLendingLoanPayment/CreateLoanPayment | CLDFGPMT | UNLOCK |

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 STDCIF – Customer Maintenance

Specify the following details for the utility provider section in the **Auxiliary** tab as shown in [Figure 7](#). For information on fields, refer to Core Entities User Guide in the FLEXCUBE Universal Banking Documentation Library.

- **Utility Provider**
- **Utility Provider Type**
- **Utility Provider Id**

Figure 7: Customer Maintenance

The screenshot shows the 'Customer Maintenance' application window with the 'Auxiliary' tab selected. The interface includes a menu bar with 'New', 'Copy', 'Close', 'Unlock', and 'Enter Query'. Below the menu, there are radio buttons for 'Type' (Individual, Corporate, Bank, Special Customer No Generation) and a 'Customer No' field with a 'P' button. To the right, there are fields for 'Full Name', 'Short Name', and 'Branch Code' (000). A 'Customer Category' dropdown is set to 'CORPORATE', and a 'Private Customer' checkbox is present. The 'Auxiliary' tab contains two main sections: 'Utility Provider' and 'Head Office'. The 'Utility Provider' section has a checked 'Utility Provider' checkbox, and fields for 'Utility Provider Type', 'Utility Provider Id', and 'Algorithm Id'. A 'Check Digit Validation Required' checkbox is also present. The 'Head Office' section includes fields for 'Account Number', 'Debtor Category', 'Risk Profile', and 'FT Accounting As Of' (with a 'Message Date' dropdown). At the bottom, there is a status bar with 'Group' (MIS), 'Joint', 'Standing Instructions', 'Linked Entities', 'Text', 'Fields', 'Image', 'Limits', 'MT920', 'Domestic', 'Professional', 'Cards', 'Linked Account', and 'KYC Details'. The status bar also displays 'Maker ADMINUSER1', 'Date Time: 2021-03-27 12:54:56', 'Mod No 2', 'Record Status Open', 'Checker ADMINUSER1', 'Date Time: 2021-03-27 12:54:57', and 'Authorization Status Authorized'. An 'Exit' button is located in the bottom right corner.

2.2.7 Relationship Pricing Integration

2.2.7.1 CODEXTCO – Relationship Pricing External Price Components Definition

Specify the details in the fields as shown in [Figure 8](#). For information on the fields, refer to Relationship Pricing User Guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 8: Relationship Pricing External Price Components Definition

Relationship Pricing External Price Components Maintenance

New Copy Close Unlock Print Enter Query

External Price Component

Module * RT

Product * ALL

Price Component * C1

Price Component Description * RT_CASH CHARGES

Price Component Type * Charge

Maker _____ Date Time: _____ Mod No 1 Record Status Open

Checker _____ Date Time: _____ Authorization Authorized Status

Exit

2.2.7.2 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 9: Relationship Pricing External Data Elements Maintenance

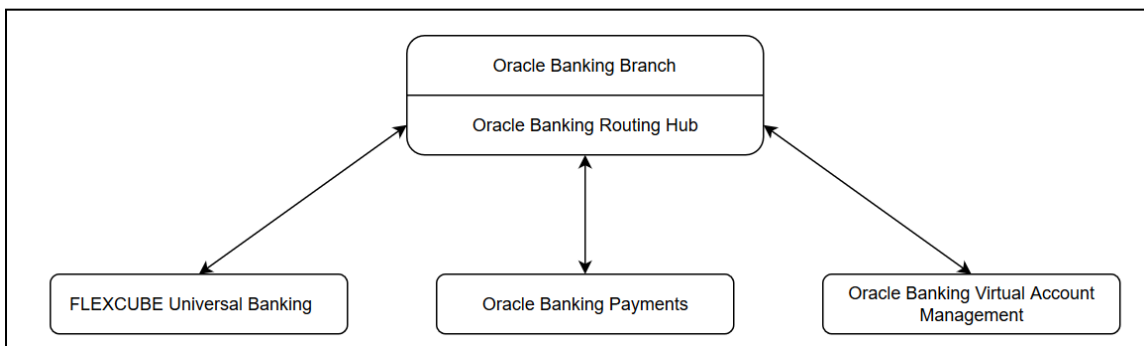
This screen is used to maintain the External Data Elements of Oracle Banking Branch in FLEXCUBE Universal Banking. Specify the details in the fields as shown in [Figure 9](#). The details of External Data Elements of Oracle Banking Branch are provided in table FCC_OBREMOMO_BRANCH_COMMON.SRV_TM_BC_EDE_LIST.

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 10: 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.

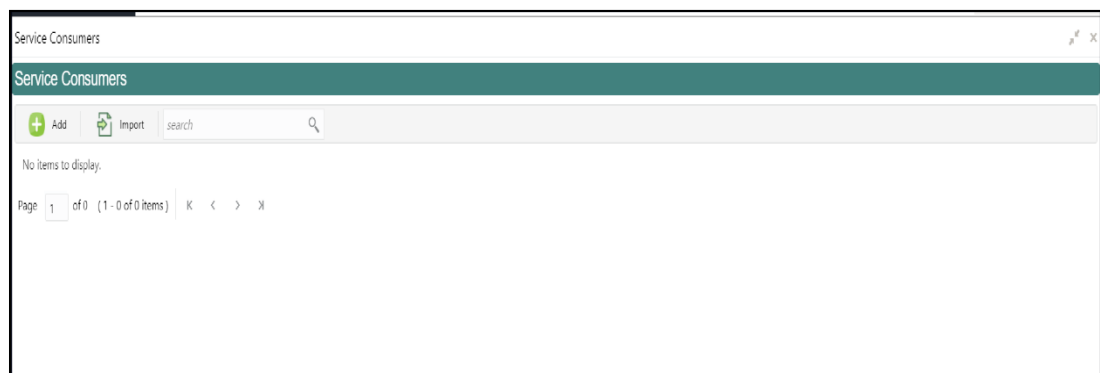
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

To configure Teller transactions:

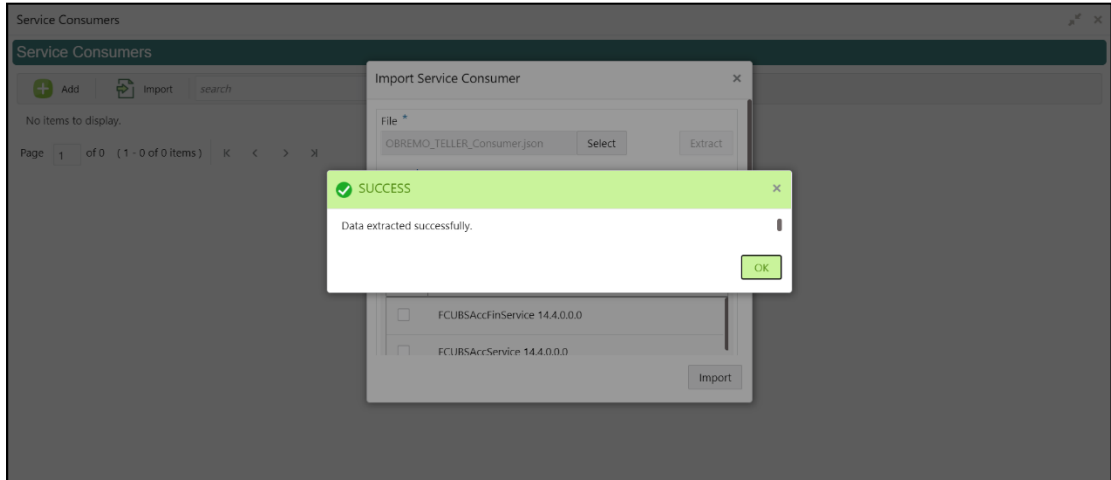
1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.
→ The **Service Consumers** screen is displayed.

Figure 11: Service Consumers



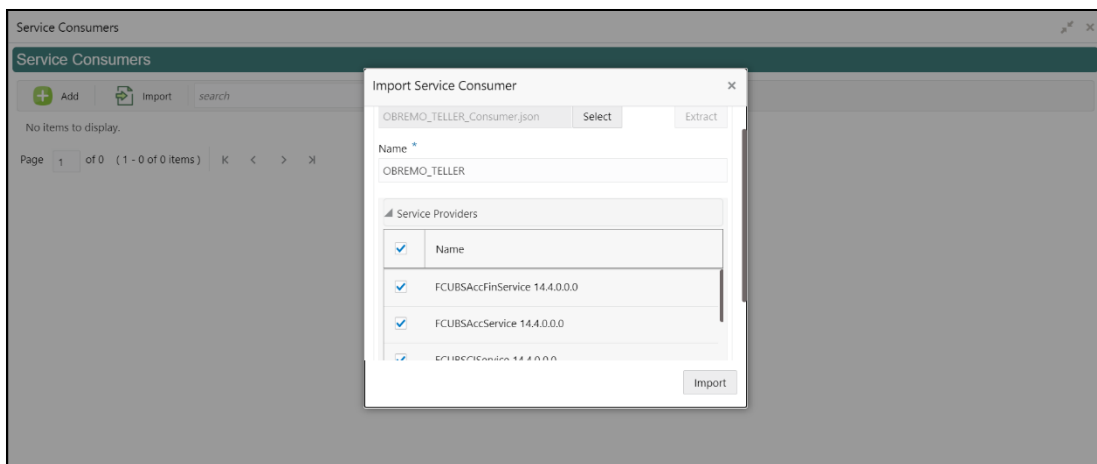
2. Click **Import**.
3. Upload the **OBREMO_TELLER_Consumer.json** file provided in the release (Folder path: \OBBRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 12: Extract JSON File



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

Figure 13: Service Provider Selection



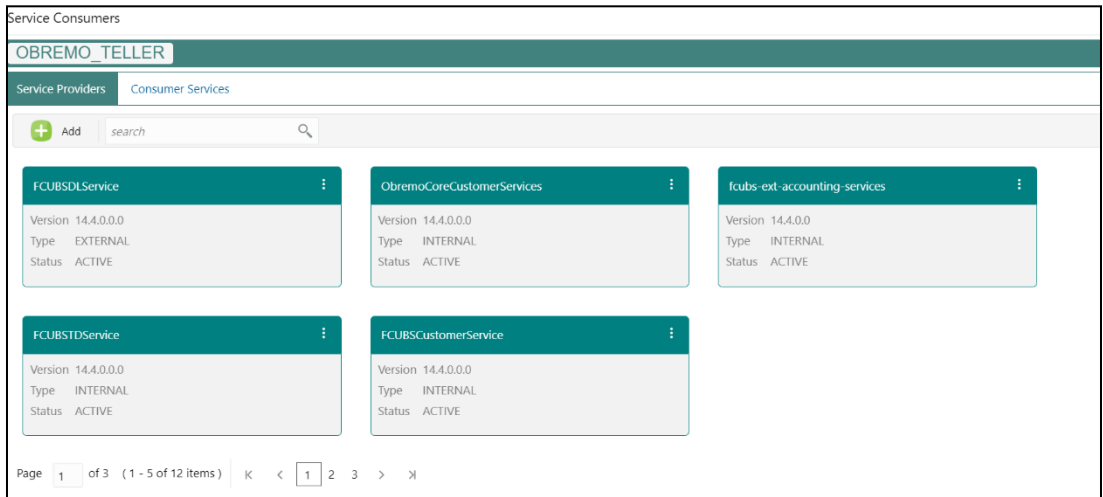
NOTE: A sample screen after Import operation is shown in [Figure 14](#).

Figure 14: Imported Service Consumers



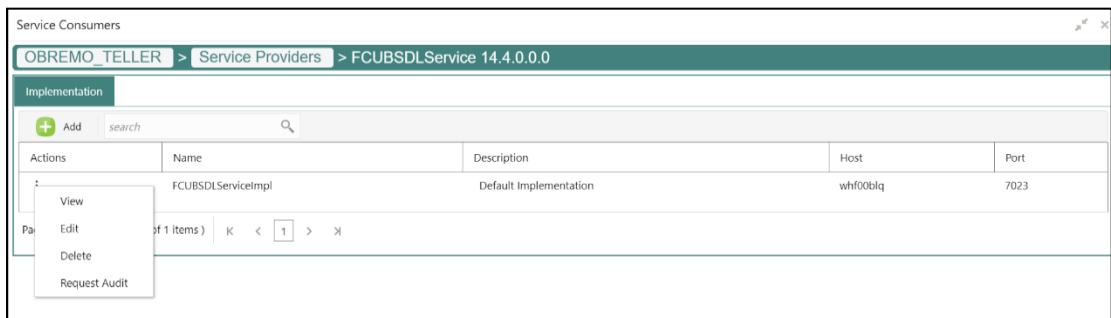
5. Click **OBREMO_TELLER**.

Figure 15: OBREMO_TELLER



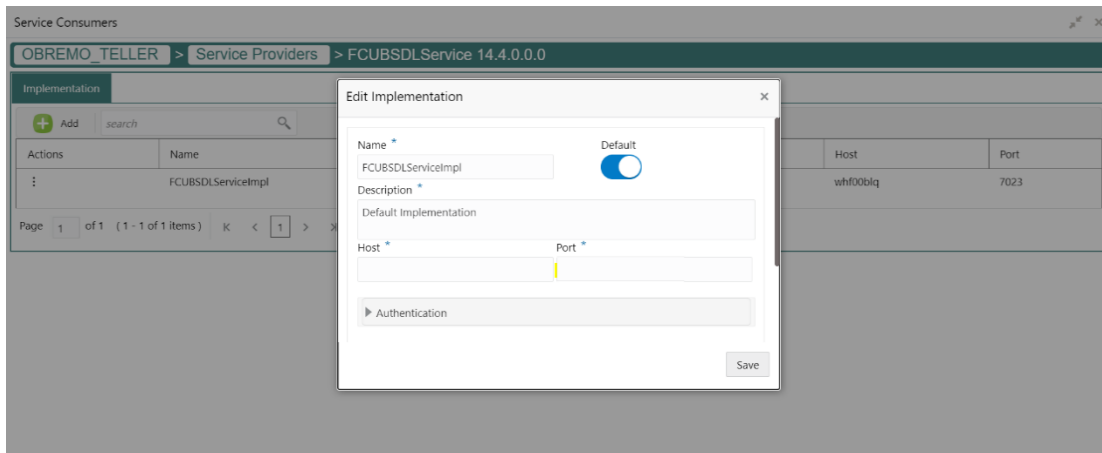
6. Click on the individual service provider, and select **Edit**.

Figure 16: Edit Service Provider



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

Figure 17: 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 18](#) thru [Figure 23](#) will be imported.

Figure 18: List of Service Providers - 1

| Actions | Name | Description |
|---------|----------------------|---|
| : | invokeExtAccounting | Create accounting hand off in external system |
| : | CreateStopPaymentsFS | Create stop cheque book request |
| : | QueryCustomerIO | Fetch customer full information |
| : | getCoreAccounts | Get core customer information |
| : | CreateAccPassbookIO | Create account passbook request |

Figure 19: List of Service Providers - 2

| Actions | Name | Description |
|---------|---------------------|---------------------------------------|
| : | QueryAcctBalIO | Query account balance |
| : | QueryAccClasMaintIO | Validate TD account |
| : | ModifyCustAcctIO | Account address update |
| : | CreatePaymentFS | Create mudarabha loan account payment |
| : | RequestAccStmntIO | Create account statement request |

Figure 20: 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 > »

Figure 21: 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 > »

Figure 22: 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 > »

Figure 23: 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 > »

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.

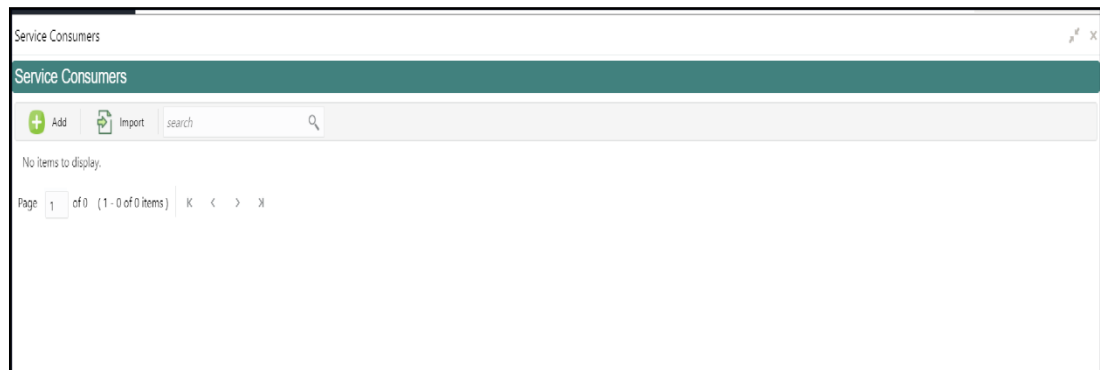
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

To configure Relationship Pricing:

1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.
→ The **Service Consumers** screen is displayed.

Figure 24: 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 25: Import JSON File

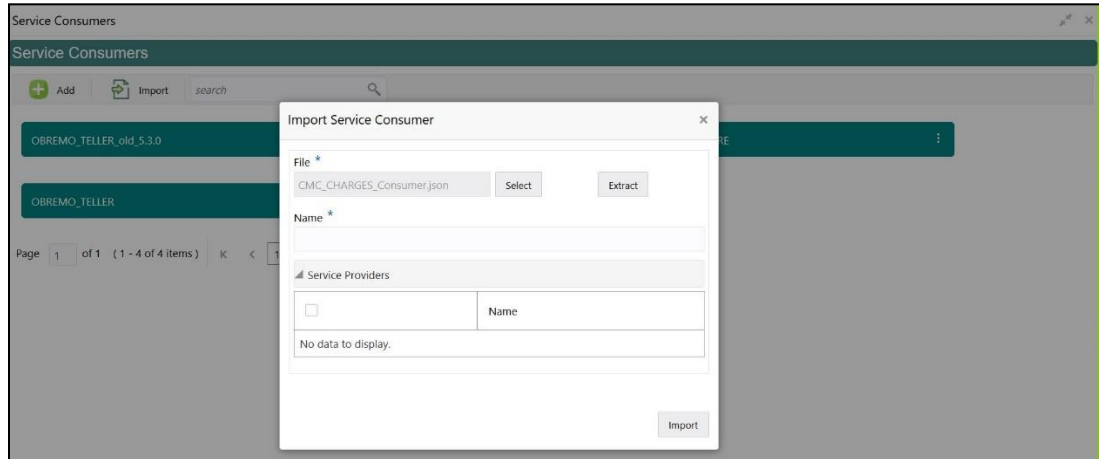
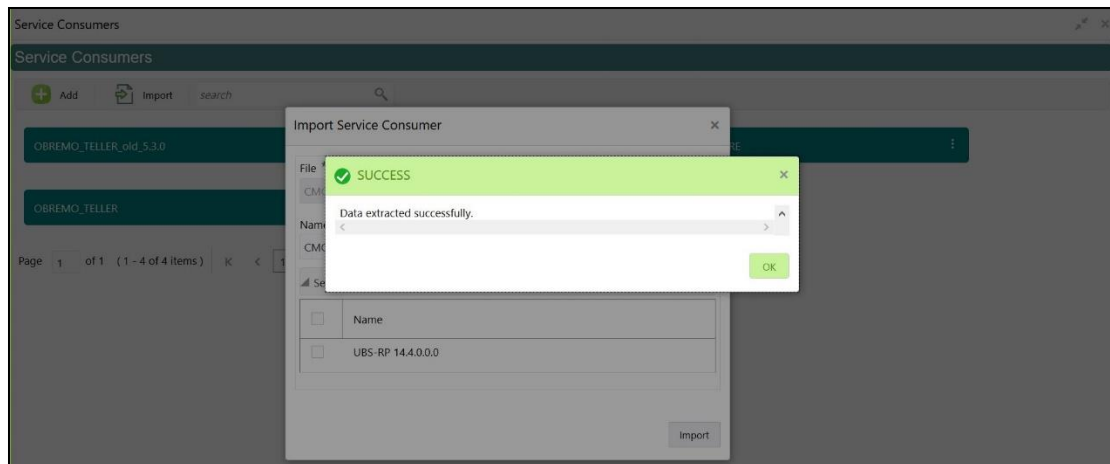
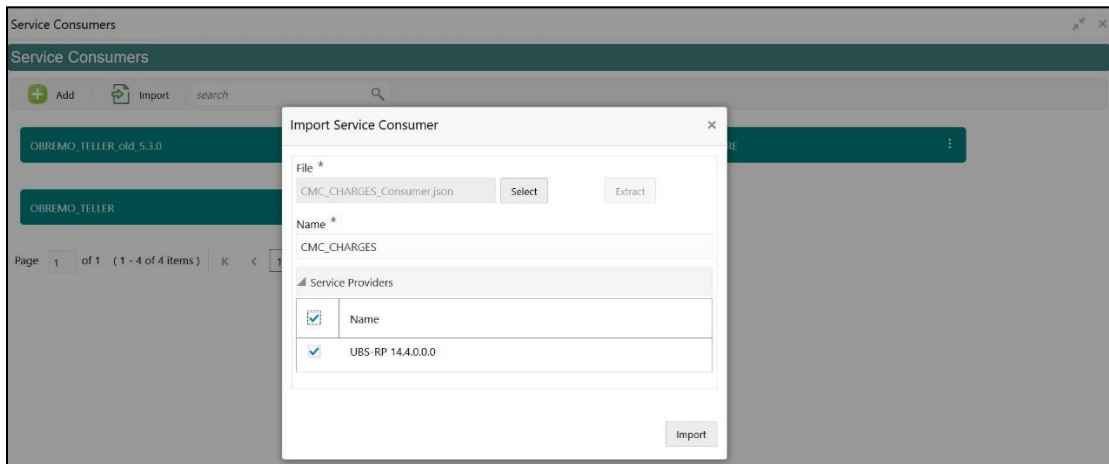


Figure 26: Extract JSON File



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

Figure 27: Service Provider Selection



NOTE: The sample screens after import operation are shown in [Figure 28](#) and [Figure 29](#).

Figure 28: Imported Service Consumers

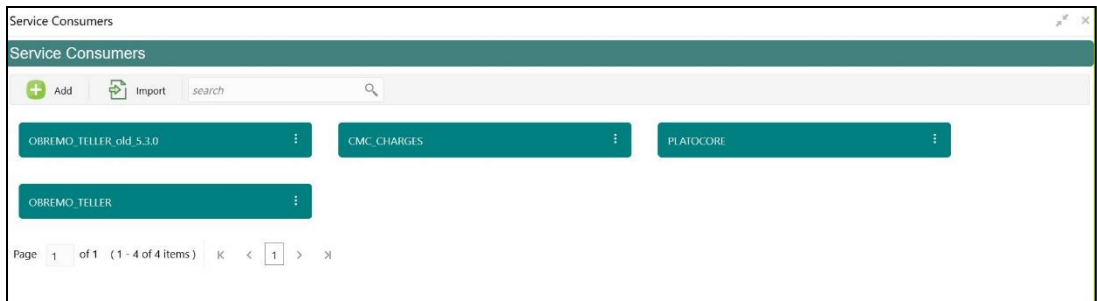
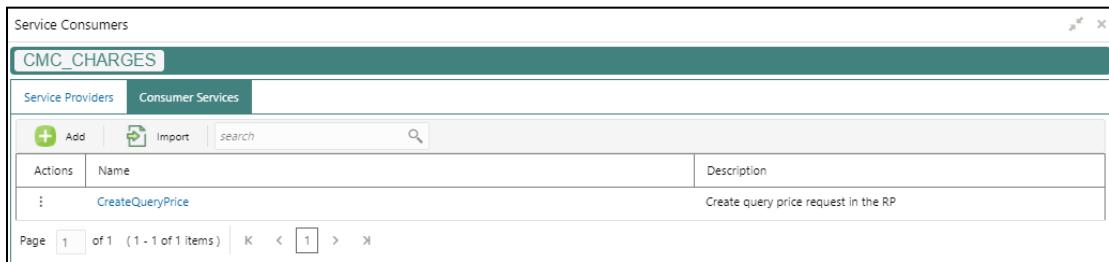


Figure 29: Service Provider



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.

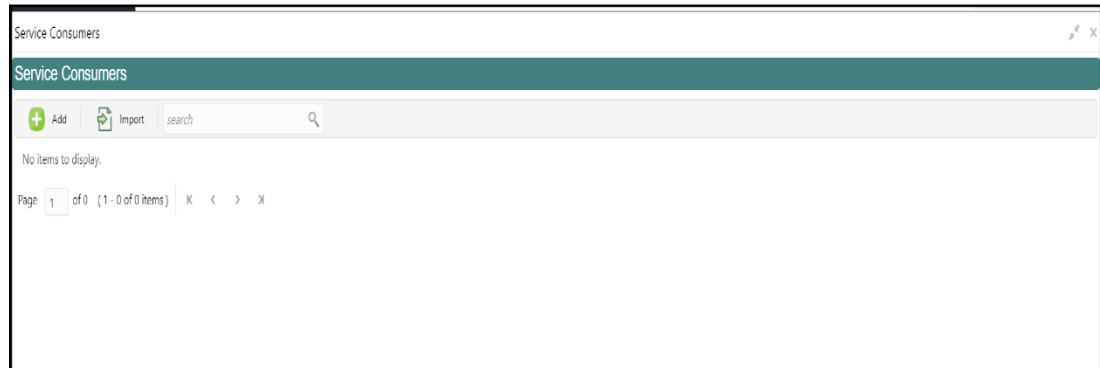
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

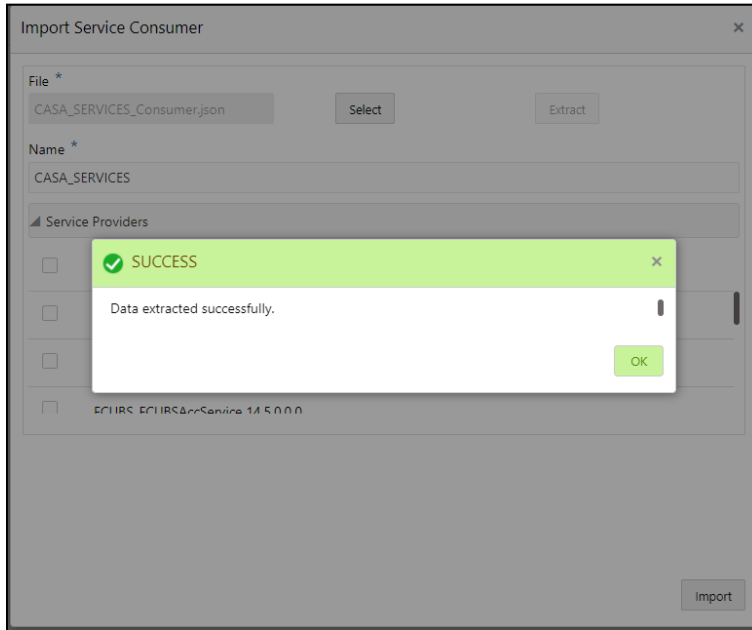
To configure CASA:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.
→ The **Service Consumers** screen is displayed.

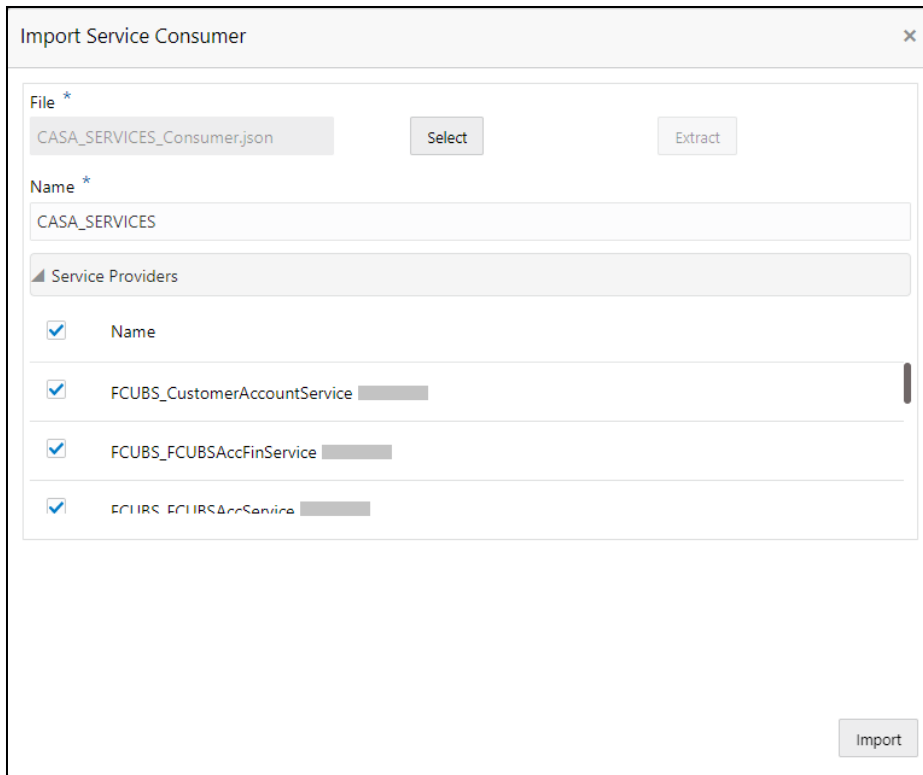
Figure 30: Service Consumers



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

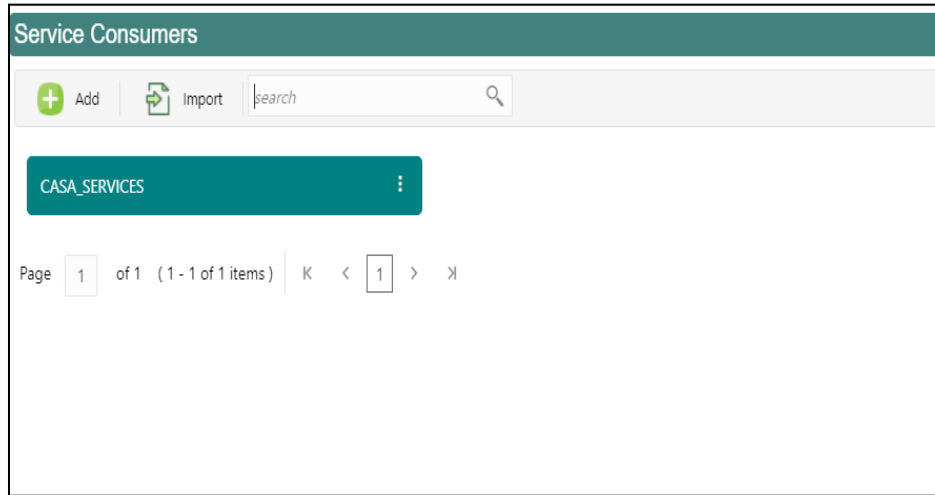
Figure 31: Extract JSON File

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

Figure 32: Service Provider Selection

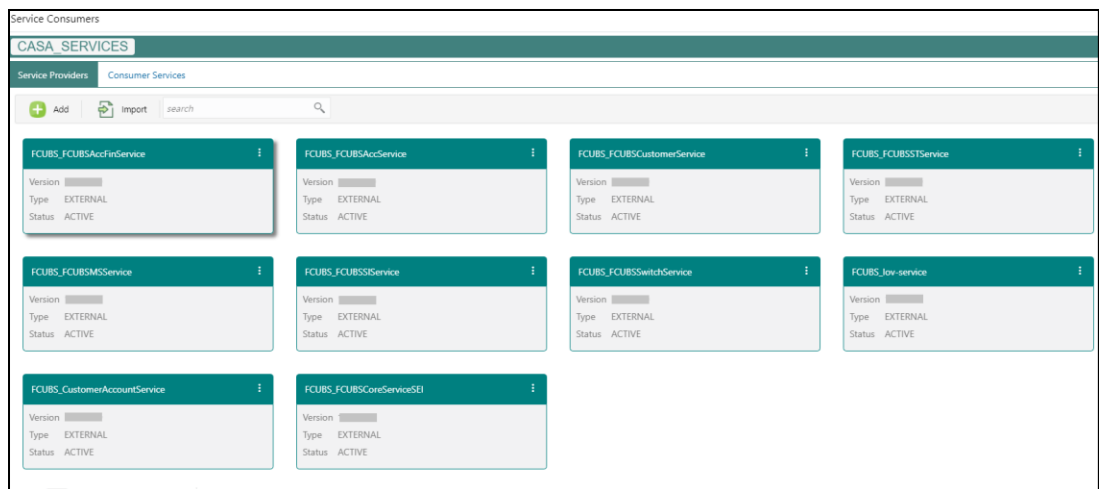
NOTE: A sample screen after Import operation is shown in [Figure 33](#).

Figure 33: Imported Service Consumers



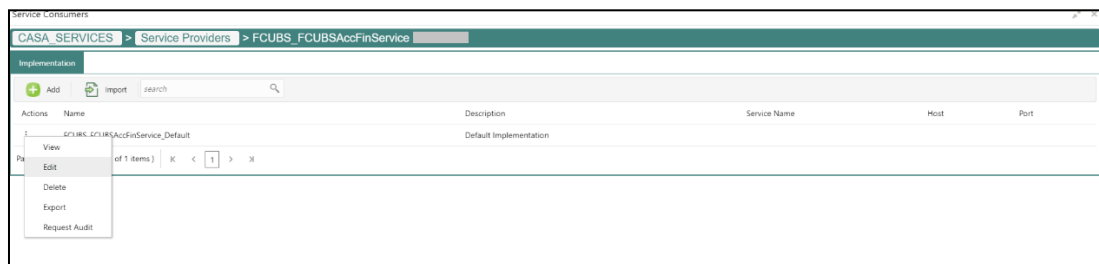
5. Click **CASA_SERVICES**.

Figure 34: CASA_SERVICES



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

Figure 35: Edit Service Provider



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

Figure 36: Edit Implementation

The screenshot shows a window titled "Edit Implementation" with a close button in the top right corner. The window contains the following fields and sections:

- Name ***: A text input field containing "FCUBS_FCUBSAccFinService_Default" and a blue toggle switch to its right.
- Description ***: A text input field containing "Default Implementation".
- Scheme ***: A dropdown menu showing "http".
- Host ***: An empty text input field.
- Port ***: An empty text input field.
- Authentication**: A grey expandable section with a right-pointing triangle.
- Headers**: A grey expandable section with a right-pointing triangle.
- Service**: A grey expandable section with a right-pointing triangle.
- Save**: A button located at the bottom right of the window.

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

CASA Services:

- CASA_SERVICES_Consumer.json

CASA Dashboard Widgets:

- CASA_BULLETIN_DASHBOARD_Consumer.json
- CASA_CUST_ACC_PENDING_DOCS_Consumer.json
- CASA_GET_CUST_SERV_REQ_Consumer.json
- CASA_ADD_CUST_SERV_REQ_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* and *fcubs-co-mo-lov-service* deployed in host server. The same needs to be updated for the service providers *FCUBS_CustomerAccountService* and *FCUBS_lov-service*.

- CASA_SERVICES

2.3.1.5 Configurations in Oracle Banking Routing Hub (Deposit Servicing)

You can maintain routing configuration of Oracle Banking Routing Hub in common core for Deposit Servicing transitions of Oracle Banking Branch to create, update, and query host system. A host system can be FLEXCUBE Universal Banking.

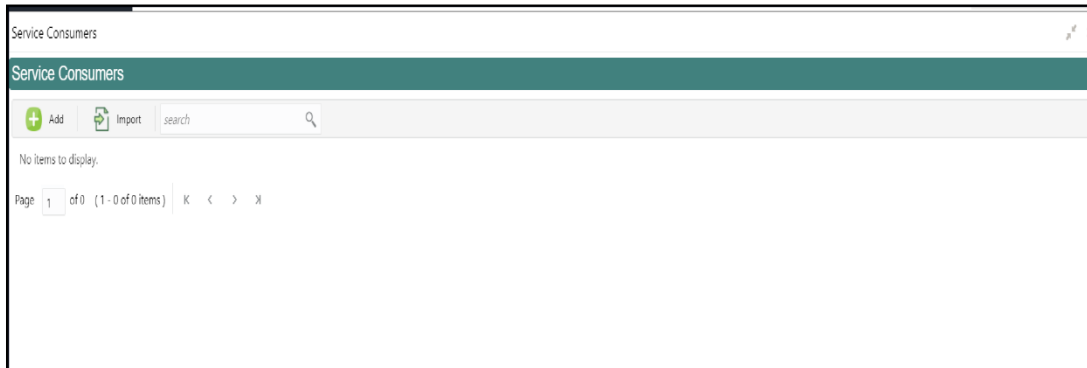
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

To configure Deposit Services:

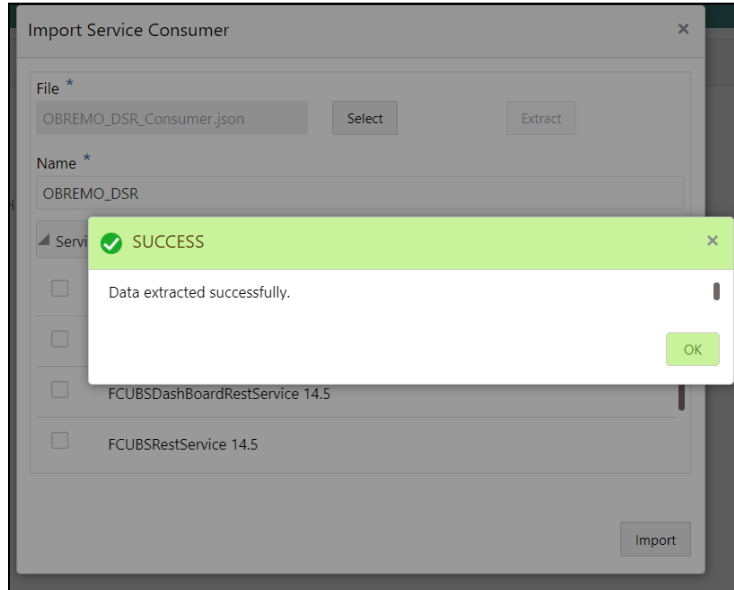
1. From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.
 → The **Service Consumers** screen is displayed.

Figure 37: Service Consumers



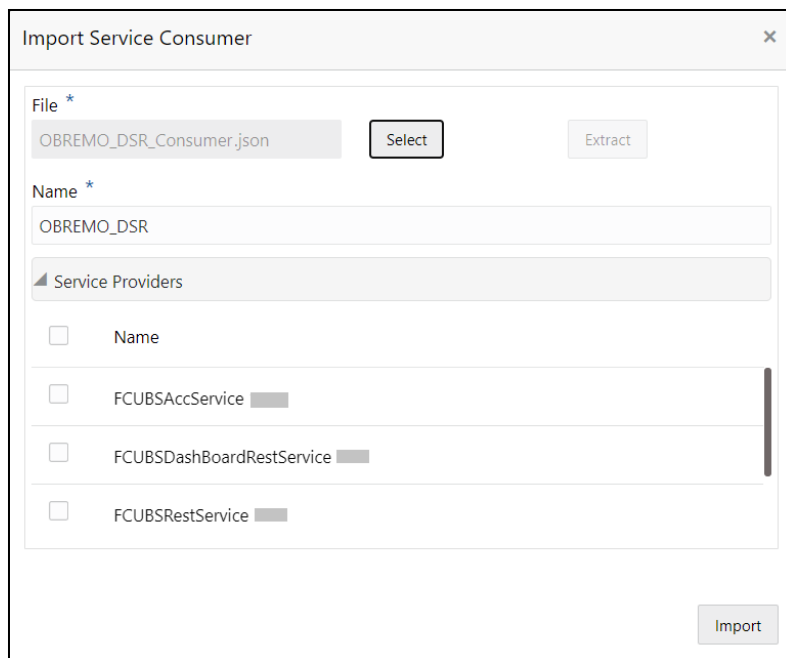
2. Click **Import**.
3. Upload the **OBREMO_DSR_Consumer.json** file provided in the release (Folder path: \OBBRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 38: Extract JSON File



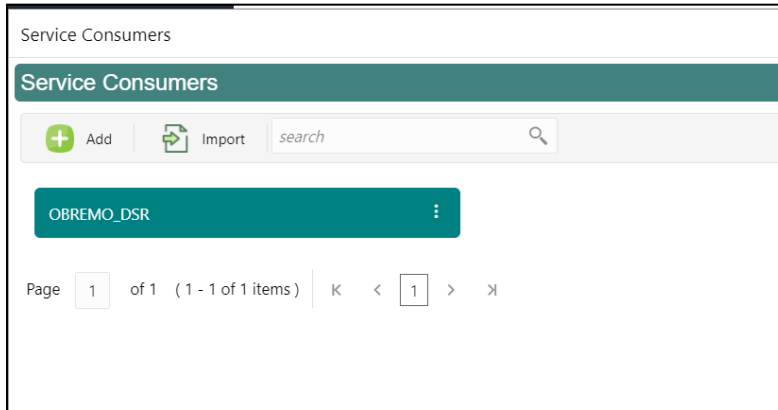
4. Select all the extracted service providers, and click **Import**.

Figure 39: Service Provider Selection



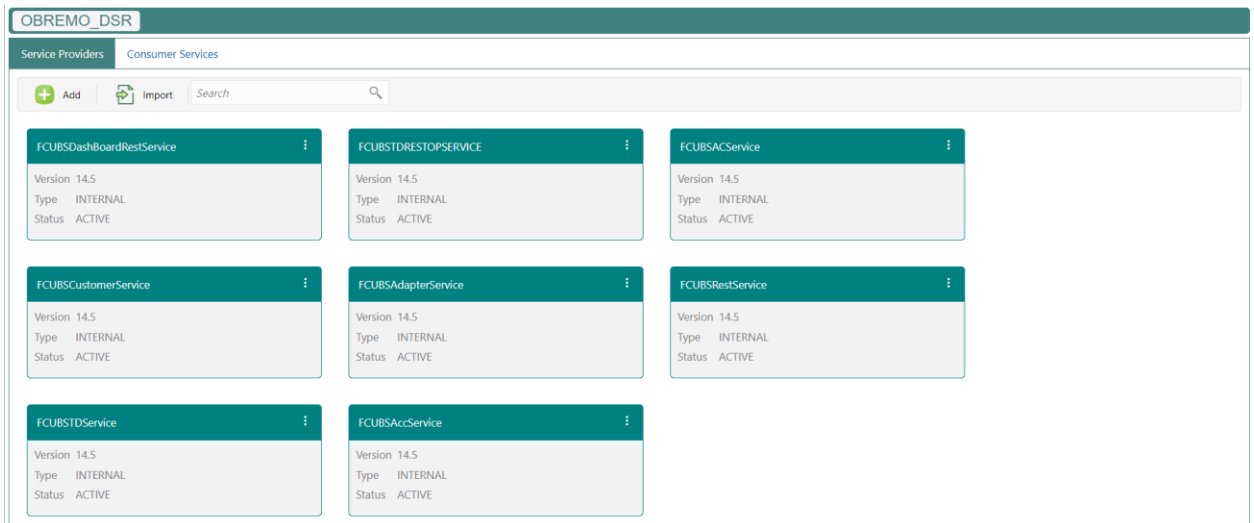
NOTE: A sample screen after Import operation is shown in [Figure 40](#).

Figure 40: Imported Service Consumers



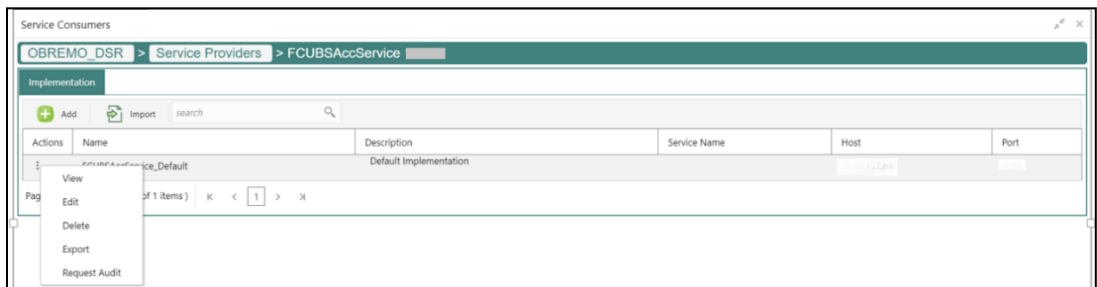
5. Click **OBREMO_DSR**.

Figure 41: OBREMO_DSR



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

Figure 42: Edit Service Provider



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

Figure 43: Edit Implementation

- Perform steps 6 and 7 again for all the listed service providers.

2.3.1.6 Configurations in Oracle Banking Routing Hub (Loans)

You can maintain routing configuration of Oracle Banking Routing Hub in common core for Loans transitions of Oracle Banking Branch to create, update, and query host system. A host system can be FLEXCUBE Universal Banking.

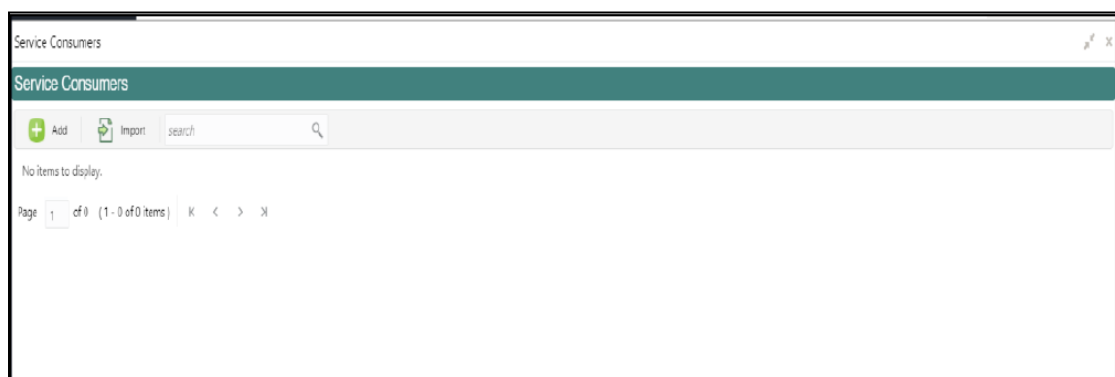
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

To configure Loan Services:

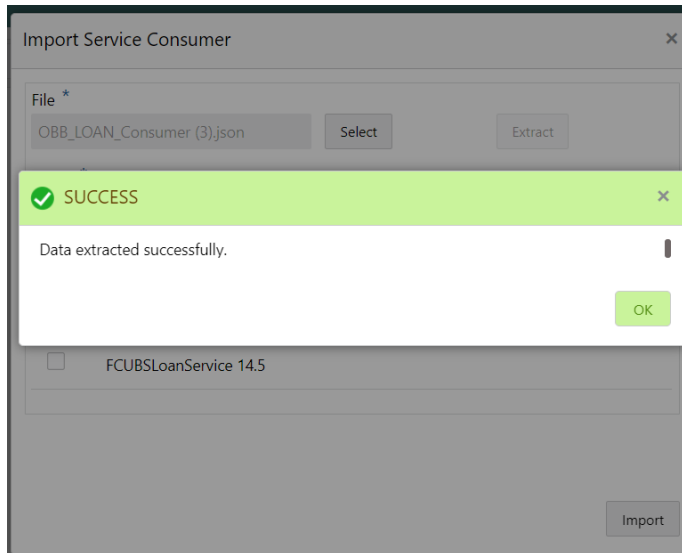
- From **Home screen**, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.
→ The **Service Consumers** screen is displayed.

Figure 44: Service Consumers



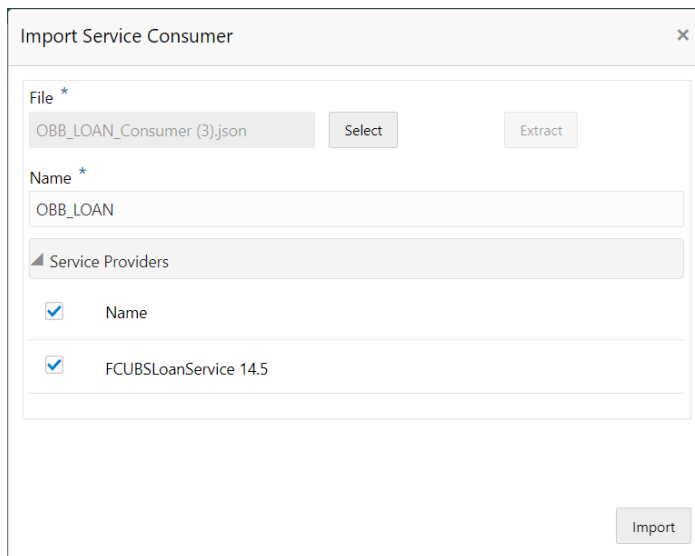
2. Click **Import**.
3. Upload the **OBB_LOAN_Consumer_UBS.json** file provided in the release (Folder path: \OBBRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 45: Extract JSON File Integration Guide

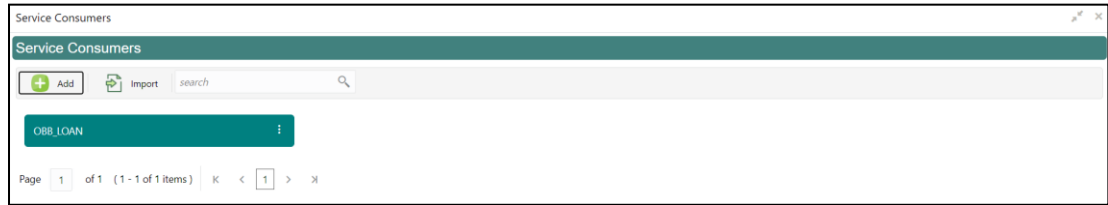


4. Select all the extracted service providers, and click **Import**.

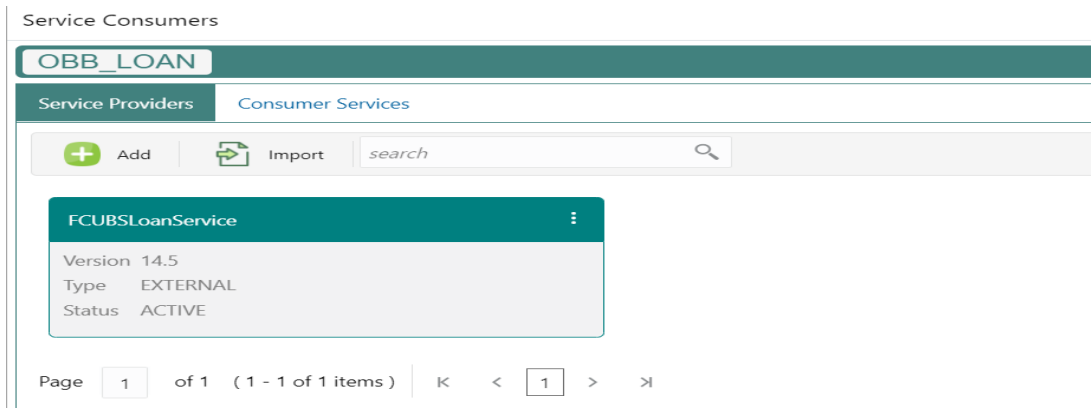
Figure 46: Service Provider Selection



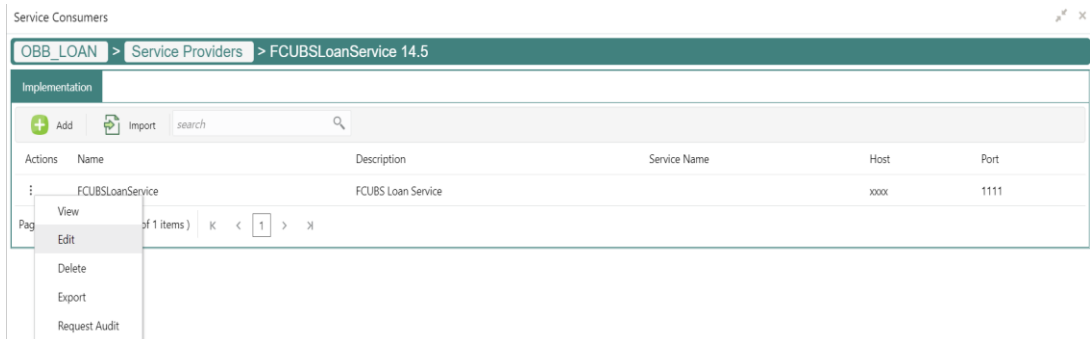
NOTE : A sample screen after Import operation is shown in [Figure 46](#).

Figure 47: Imported Service Consumers

5. Click **OBB_LOAN**.

Figure 48: OBB_Loan

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

Figure 49: Edit Service Provider

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

Figure 50: Edit Implementation

Figure 50 shows the 'Edit Implementation' dialog box. The dialog contains the following fields and controls:

- Name ***: Text input field containing 'FCUBSLoanService'. A **Default** toggle switch is located to the right of this field.
- Description ***: Text input field containing 'FCUBS Loan Service'.
- Scheme ***: Dropdown menu showing 'http'.
- Host ***: Text input field containing 'xxxx'.
- Port ***: Text input field containing '1111'.
- Authentication**: Expandable section with a right-pointing arrow.
- Headers**: Expandable section with a right-pointing arrow.
- Service**: Expandable section with a right-pointing arrow.
- Save**: Button located at the bottom right of the dialog.

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

Loan Services:

- OBB_LOAN_Consumer_UBS.json

2.3.1.7 Configurations in Oracle Banking Routing Hub (CASA 360)

You can maintain routing configuration of Oracle Banking Routing Hub in common core for the CASA 360 service of Oracle Banking Branch to create, update, and query host system. A host system can be FLEXCUBE Universal Banking.

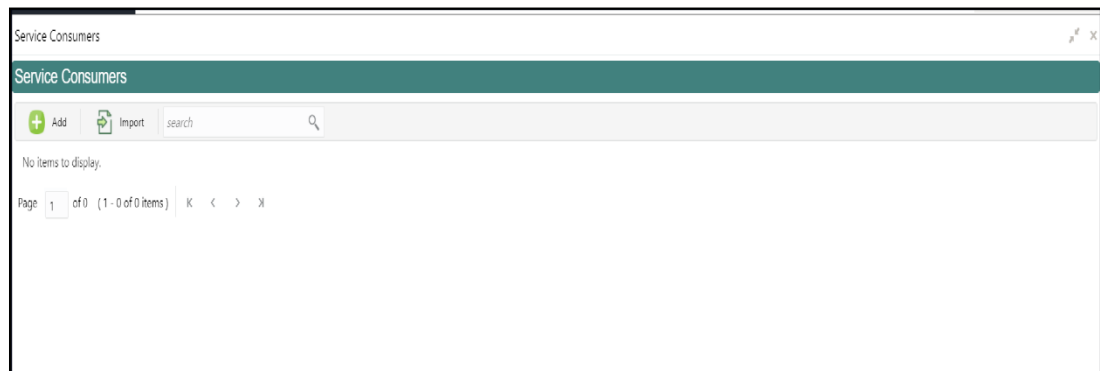
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

To configure CASA 360:

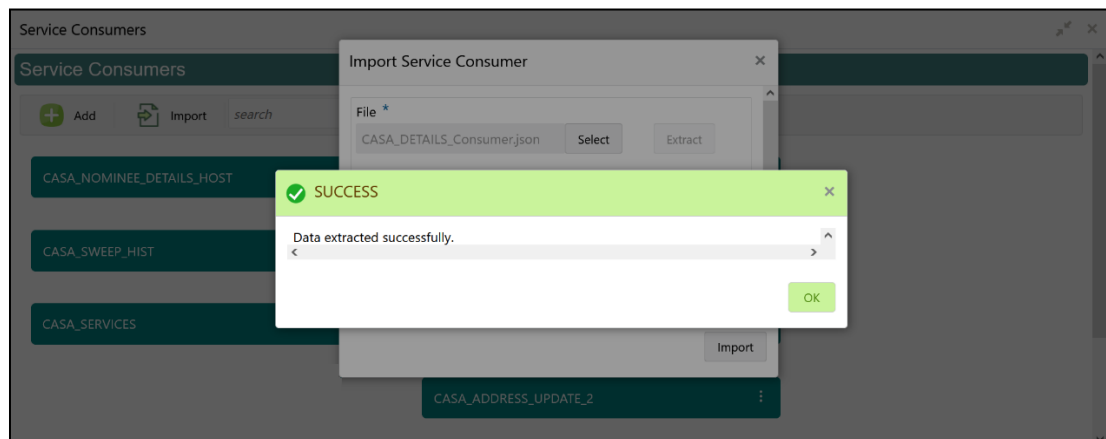
1. On the Home screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.
→ The **Service Consumers** screen is displayed.

Figure 51: Service Consumers



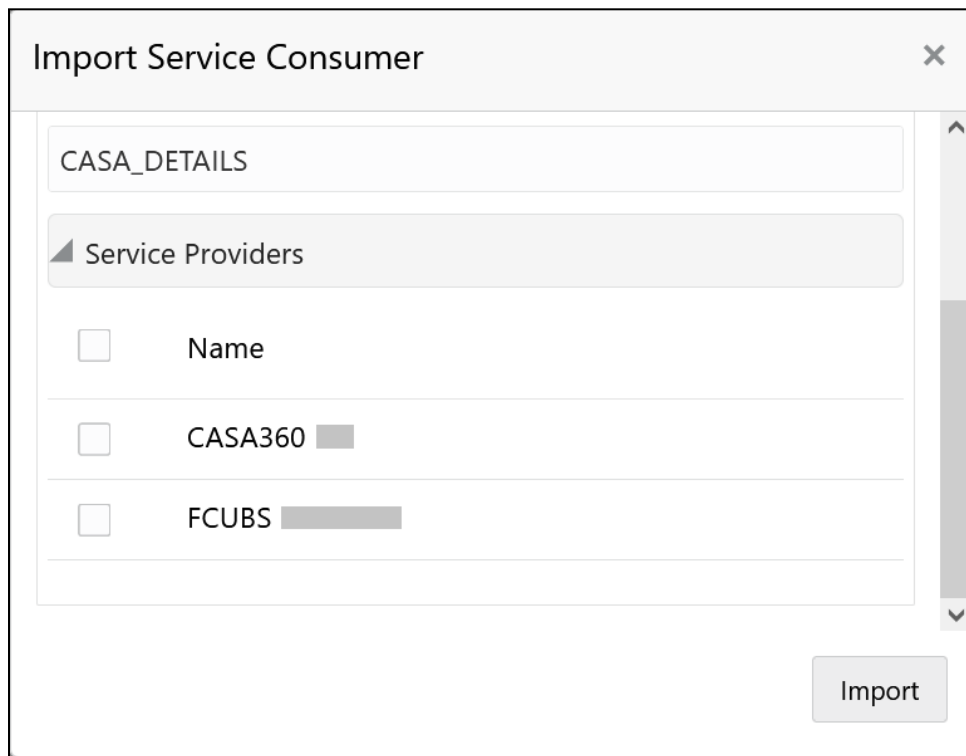
2. Click **Import**.
3. Upload the **CASA_DETAILS_Consumer.json** file provided in the release (folder path: \OBRRN_ROUTING_CONFIGURATION), and click **Extract**.

Figure 52: Extract JSON File



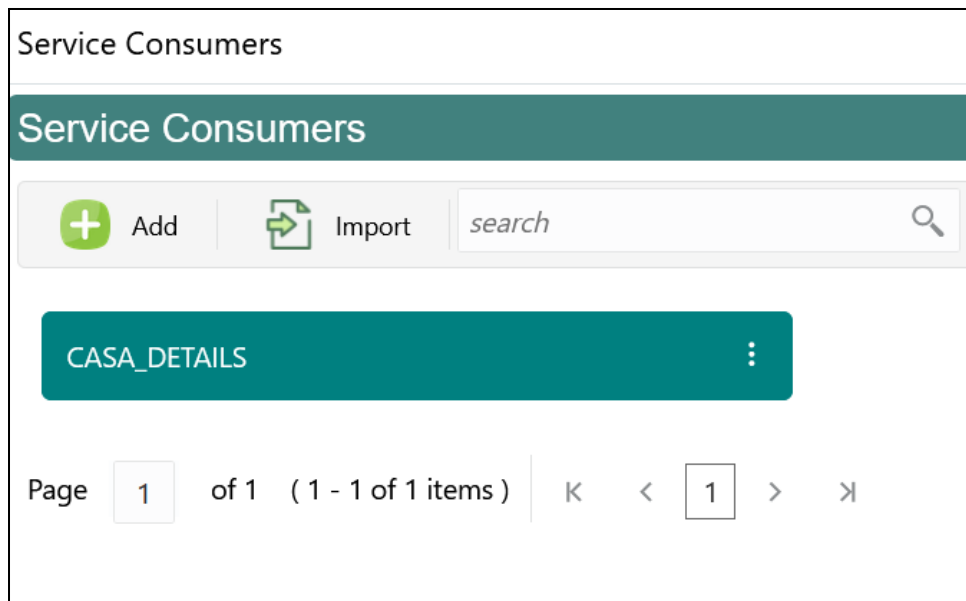
4. Select all the extracted service providers, and click **Import**.

Figure 53: Service Provider Selection



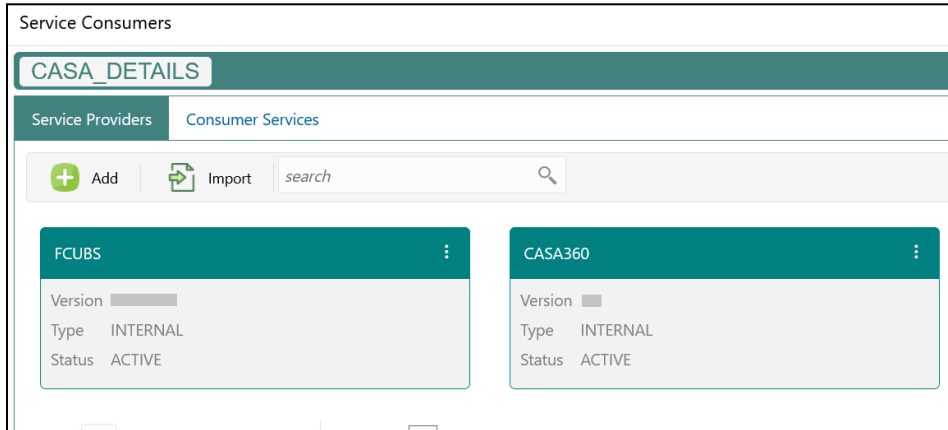
NOTE: A sample screen after Import operation is shown in [Figure 40](#).

Figure 54: Imported Service Consumers



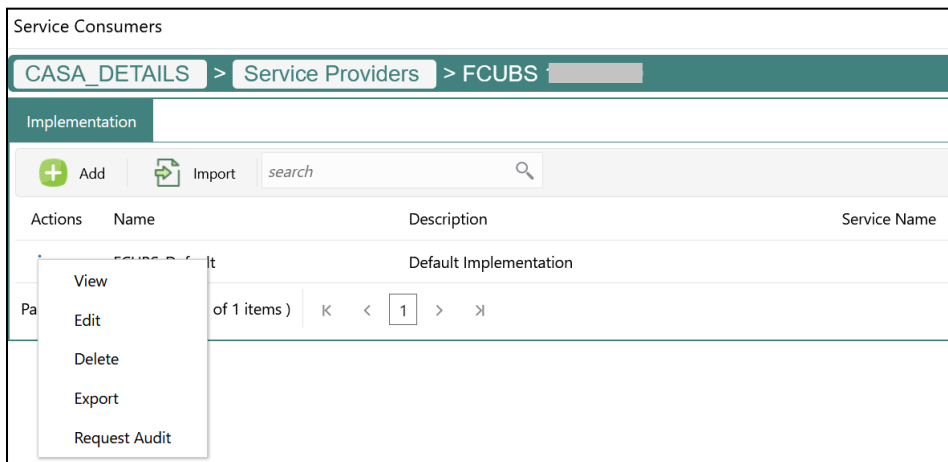
5. Click **CASA_DETAILS**.

Figure 55: CASA_DETAILS



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

Figure 56: Edit Service Provider



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

Figure 57: Edit Implementation

The screenshot shows a dialog box titled "Edit Implementation". It contains the following fields and controls:

- Name ***: Text input field containing "FCUBS_Default".
- Default**: Toggle switch, currently turned on (blue).
- Eureka Instance**: Toggle switch, currently turned off (grey).
- Description ***: Text area containing "Default Implementation".
- Scheme ***: Dropdown menu showing "http".
- Host ***: Text input field.
- Port ***: Text input field.
- Authentication**: Section with a right-pointing arrow.
- Save**: Button at the bottom right.

8. Perform steps 6 and 7 again for all the listed service providers.

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 | |
| MODIFY_CARD_MASTER_URL | FCUBSSTService/FCUBSSTService |
| SIGN_URL | GWHTTP/GWHttpServlet |

| DESTINATION | URL VALUE |
|-------------------------|-------------------------------|
| 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 58](#). For information on fields, refer to Oracle Banking Common Core User Guide in the Oracle Banking Branch Documentation Library.

Figure 58: 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 is a table with two columns: "Pricing Source System" and "Pricing Source Description". The table contains one row with the value "UBS-RP" in both columns.

| Pricing Source System | Pricing Source Description |
|-----------------------|----------------------------|
| UBS-RP | 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 59](#). For information on fields, refer to Oracle Banking Branch User Guide in the Oracle Banking Branch Documentation Library.

Figure 59: Charge Definition Maintenance

The screenshot shows the 'Charge Definition Maintenance' window with the following data:

| | | | | | |
|-------------------------|------------|------------------------|------------|----------------------------|----------|
| Charge Code * | A131401RP1 | Charge Description * | A131401RP1 | Charge Category * | Standard |
| Charge Credit Account * | 708500000 | Charge Debit Account * | CR_LEG | Credit Tin Code | R03 |
| Debit Tin Code | R03 | Pricing Source System | JBS-RP | Pricing Source Description | |

The EDE Code table is currently empty:

| EDE Code | EDE Description |
|----------|---------------------------|
| EDE_XREF | External Reference Number |

Page 1 of 1 (1 of 1 items)

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.

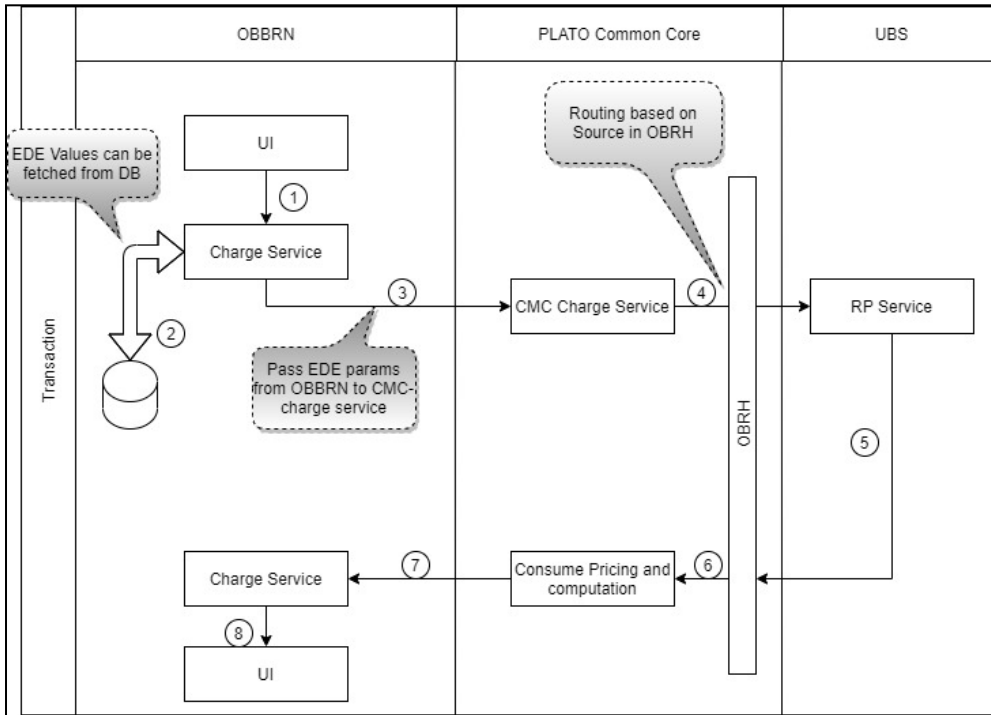
2.3.3.4 Transaction Charge Computation

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 60](#).

Figure 60: 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
- Reopen
- Close

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 61: 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 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.

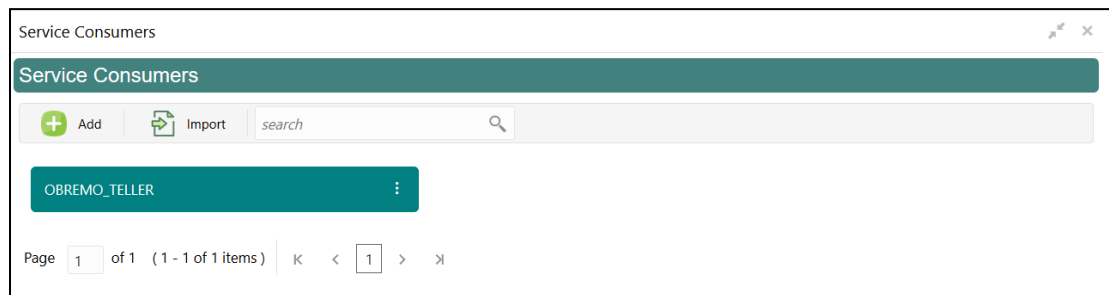
Prerequisite:

Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

To process the Service Consumer screen:

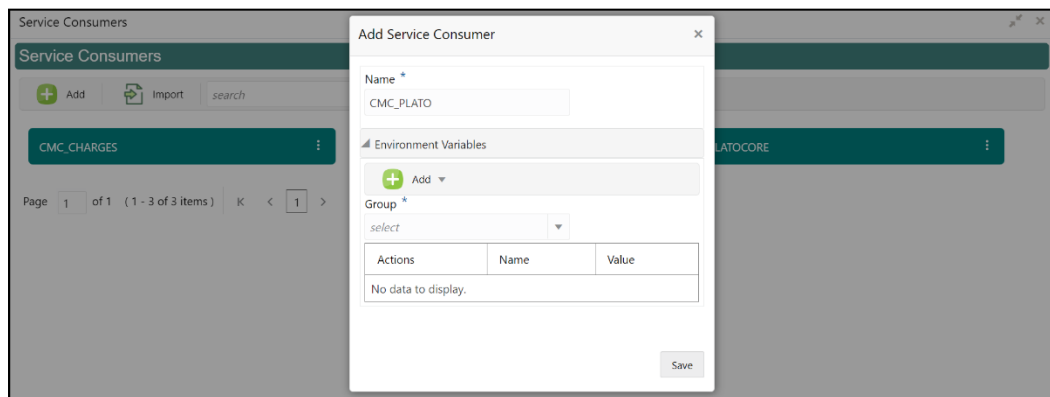
1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**.

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

Figure 62: Service Consumers**2.4.1.2.1 Add Service Consumers**

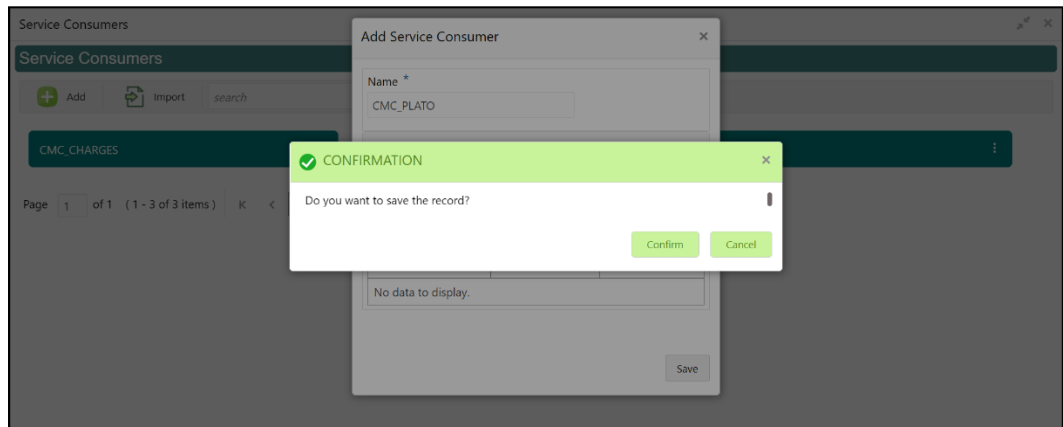
User can add a service producers and consumers for Customer and Account. To add a service consumer, perform the following steps:

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

Figure 63: Add Service Consumer

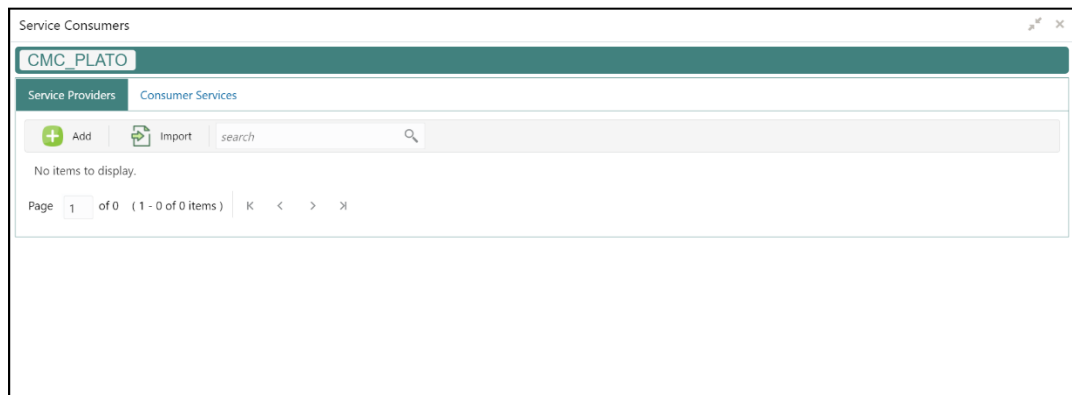
- Specify the necessary details, and click **Save** to create template.

Figure 64: Add Service Consumer – Save



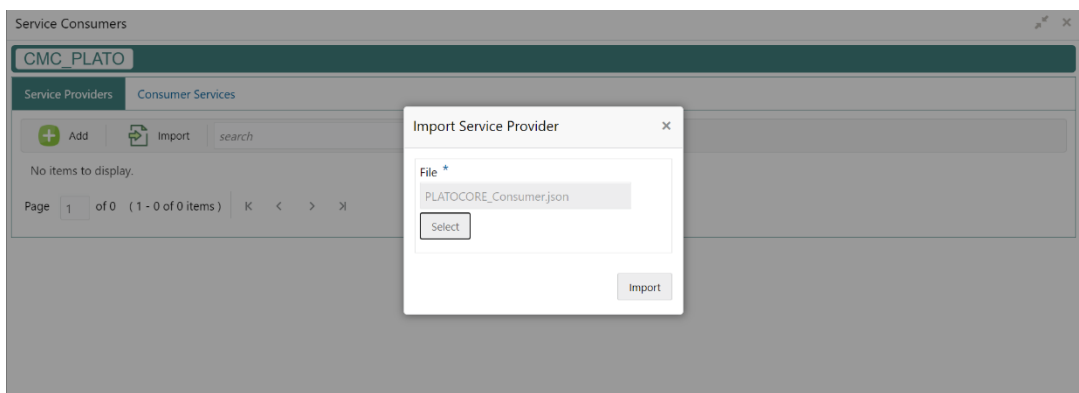
- Click **CMC_PLATO**, and select **Import** to import the necessary file.

Figure 65: Import Service Provider



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

Figure 66: JSON File Selection



- Click **Import**.

2.4.2 IFDEXSER – External Service Maintenance

The details of the external services can be maintained in FLEXCUBE Universal Banking for the external system (PLATOCORE, OBSRV). 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 67*. For information on fields, refer to Oracle FLEXCUBE UBS - ELCM Integration guide in the FLEXCUBE Universal Banking Documentation Library.

Figure 67: External Service Maintenance

External Service Maintenance window showing configuration for External System * PLATOCORE. Fields include External System Type (LBL_OBRH), External System AppID (CMNCORE), External User * SID, Read Time Out (In Seconds), Connection Time Out (In Seconds), and Retry Count (0). A table lists service details:

| Type | Service Name | WS Endpoint URL | Rest Service Context | Rest Service IP | Rest Service Port | Rest Service Path |
|--------------|--------------------------|-----------------|----------------------|-----------------|-------------------|-------------------|
| REST request | FCUBSCoreentitiesService | | cmc-obrh-services | | | route/dispatch |

Footer: Maker, Checker, Date Time, Mod No (8), Record Status (Open), Authorization Authorized Status. Buttons: Ok, Exit.

External Service Maintenance window showing configuration for External System * OBSRV. Fields include LBL_EXTERNAL_SYSTEM_TYPE (LBL_OBMA), LBL_EXTERNAL_SYSTEM_APPID (OBSRV), and External User * SYSTEM. A table lists service details:

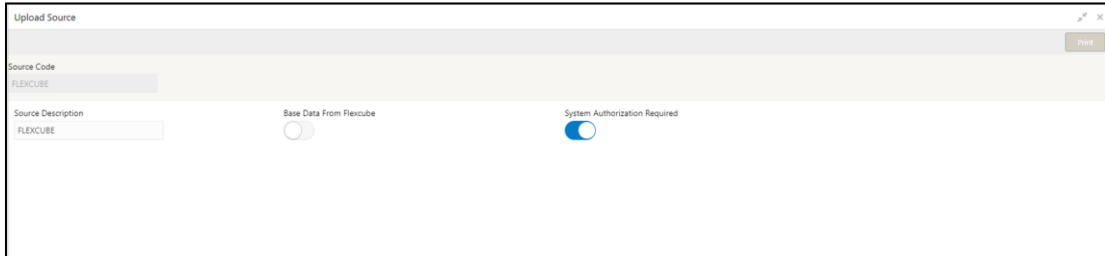
| Type | Service Name | WS Endpoint URL | Rest Service Context | Rest Service IP | Rest Service Port | Rest Service Path |
|--------------|-----------------|--|----------------------|-----------------|-------------------|-------------------|
| SOAP request | FCUBSAccService | */FCUBSAccService/FCUBSAccService?WSDL | | | | |

Footer: Maker VIJAY05, Checker VIJAY05, Date Time: 2020-03-26 07:57:11, Mod No (2), Record Status (Open), Authorization Authorized Status. Buttons: Ok, Exit.

2.4.3 Upload Source Code Maintenance

Specify the details in the fields as shown in [Figure 68](#) to maintain the Upload source code for external system in the Oracle Banking Branch. For information on fields, refer to Oracle Banking Common Core User Guide in the Oracle Banking Branch Documentation Library.

Figure 68: Create Upload Source



The screenshot shows a web form titled "Upload Source". At the top right of the form is a "Print" button. The form contains the following fields and controls:

- Source Code:** A text input field containing the value "FLEXCUBE".
- Source Description:** A text input field containing the value "FLEXCUBE".
- Base Data From Flexcube:** A radio button control, currently unchecked.
- System Authorization Required:** A toggle switch control, currently turned on (indicated by a blue circle).

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**
 - For Remittance Issue --- Maintain "TELTRF" as instrument code and "RO" as instrument type in OBPM
 - For Inward remittance issue -- Maintain "TLTRFIN" as instrument code and "RI" as instrument type in OBPM
- 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**

3.2.3 Create Entity

You need to create the entity in Oracle Banking Branch to configure the notifications for Oracle Banking Payments.

Prerequisites:

Log in to the Oracle Banking Branch. For information on how to log in, refer to the *Getting Started User Guide*.

To create entity:

1. On the Home page, click **Entities**. Under **Entities**, click **Create Entity**.
 - The **Create Entity** screen is displayed.
2. On the **Create Entity** screen, create an entity with ENTITY_ID1 as the name. For information on screen and fields, refer to the *Oracle Banking Common Core User Guide*. A sample is shown in the below figure.

Figure 69: Create Entity

The 'Create Entity' form includes the following fields:

- Entity Id * (ENTITY_ID1)
- Entity Name * (ENTITY_ID1)
- HO Branch Code *
- HO Branch Name *
- HO Branch Address *
- Host Code *
- Country *
- Current HO Branch Posting Date *
- Previous HO Branch Posting Date *
- Next HO Branch Posting Date *
- Bank Name *
- Bank Code *

The 'Application JNDI Mapping' table is as follows:

| Application Id | JNDI |
|----------------|-----------------|
| SRVADAPTER | jdbc/SRVADAPTER |
| CMNCORE | jdbc/CMNCORE |
| sms | jdbc/sms |

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 70](#).

Figure 70: Source Maintenance Detailed (PMDSORCE)

The 'Source Maintenance Detailed' form displays the following configuration details:

- 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**: [Empty]

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
- Allow External Audit Info
- 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

Footer

- Maker**: [Empty] | **Date Time**: [Empty] | **Mod No**: 6 | **Record Status**: Open
- Checker**: [Empty] | **Date Time**: [Empty] | **Authorization Authorized Status**: [Empty]

- The **Source Network Preferences Detailed** is required to maintain for every network code and source code combination. For example, refer to [Figure 71](#).

Figure 71: Source Network Preferences Detailed (PMDSORNW)

Source Network Preferences Detailed

New Copy Close Unlock Print Enter Query

Host Code * HOST1

Source Code * OBTLR

Network Code * BOOK

Transaction Type * Outgoing

Description: OBTLR

Network Description: BOOKTRANSFER TRANSACTIONS

Network Type Description: Book Transfers

Preferences

Authorization Rekey Required

MIS Group _____

UDF Group _____

Sanctions System

Sanction Check Required

Authorization Limit

Authorization Limit Currency _____

Authorization 1 Limit _____

Authorization 2 Limit _____

Network Release Limit _____

Pricing

External Pricing Applicable

Maker _____ Date Time: _____ Mod No 1 Record Status Open

Checker _____ Date Time: _____ Authorization Status Authorized

Exit

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 72](#).

Figure 72: External Notification Queue Detailed (PMDEXTNT)

- On the **Queue Connection Profile Maintenance Detailed** screen, maintain the values as shown in *Figure 73*.

NOTE: The **Profile ID** mentioned in *Figure 73* 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 73: 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 Oracle Banking Security Management System User Guide in the Oracle Banking Branch Documentation Library.

Figure 74: Create User

| Create User | | | |
|-------------------------------------|---------------------|-------------------------------------|-------------------|
| New | | | |
| UserDetails | | | |
| 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 | |

- 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 Oracle Banking Common Core User Guide in the Oracle Banking Branch Documentation Library.

Figure 75: 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" (which is currently turned off) and "System Authorization Required" (which is currently turned on). At the bottom right corner of the form, there are two buttons: "Save" and "Cancel".