

**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**

The screenshot shows a window titled "Upload Source Maintenance" with a menu bar containing "New", "Copy", "Close", "Unlock", "Print", and "Enter Query". The main area contains the following fields:

- Source Code \***: OBTLR
- Source Description**: external system for teller
- Base Data From FLEXCUBE**: (checkbox)
- System Authorization Required**: (checkbox)

The bottom status bar displays the following information:

- Maker: DANNY1
- Checker: DANNY1
- Date Time: 2020-03-26 07:42:07
- Mod No: 1
- Record Status: Open
- Authorization Status: Authorized
- An **Exit** button is located on the right side of the status bar.

## 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

▶

Go

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	
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								

Exit

**Figure 3: Upload Source Maintenance**

**Upload Source Preferences Maintenance**

New Copy Close Unlock Print Enter Query

Source Code \* OBTLR  
Module Code \* CA

**Error Handling**

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

**Post Upload**

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

**Function Id Preferences**

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

Exit



### 2.2.3 GWDETSYS – External System Maintenance

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

**Figure 4: External System Maintenance**

The screenshot shows the 'External System Maintenance' window with the following details:

- External System:**
  - External System \* OBTLR
  - Description EXTSYS
- Correlation Pattern:**
  - Request Message ID
- Message Exchange Pattern:**
  - Pattern: ...
- External System Queues:**
  - Navigation: 1 Of 1, Go
  - Table:

In Queue	Response Queue
<input checked="" type="checkbox"/> MDB_QUEUE	MDB_QUEUE_RESPOI
- Footer:**
  - 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
  - Exit button

## 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/ 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/Summary QueryCardMaster	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**

Gateway Amendment Maintenance

New Copy Close Unlock Print Enter Query

External System \* OBTLR

Origin System \* OBTLR

Source Operation \* ModifyCheckBook

Service Name FCUBSAccService

Operation Code ModifyCheckBook

**Amendable Nodes**

1 Of 1 Go

<input checked="" type="checkbox"/>	Node Name *	New Allowed	Delete Allowed	All Records
<input checked="" type="checkbox"/>	CATMS_CHECK_BOOK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Maker ADMINUSER2 Date Time: 2021-03-27 17:45:25 Mod No 1 Record Status Open

Checker ADMINUSER2 Date Time: 2021-03-27 17:45:26 Authorization Authorized Status

Exit

## 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 displays the 'Customer Maintenance' window with the 'Auxiliary' tab selected. The window includes a menu bar (New, Copy, Close, Unlock, Enter Query) and a toolbar. The main area is divided into sections for 'Type', 'Customer No', 'Full Name', 'Short Name', 'Branch Code', 'Customer Category', 'Utility Provider', 'Head Office', and 'Check Digit Validation Required'. The 'Utility Provider' section is highlighted, showing fields for 'Utility Provider Type', 'Utility Provider Id', and 'Algorithm Id'. The 'Head Office' section shows fields for 'Account Number', 'Debtor Category', 'Risk Profile', and 'FT Accounting As Of'. The 'Customer Category' is set to 'CORPORATE'. The bottom status bar shows 'Maker ADMINUSER1', 'Checker ADMINUSER1', 'Date Time: 2021-03-27 12:54:56', 'Mod No 2', 'Record Status Open', 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**

The screenshot shows a window titled "Relationship Pricing External Price Components Maintenance" with a menu bar containing "New", "Copy", "Close", "Unlock", "Print", and "Enter Query". The main area is titled "External Price Component" and contains the following fields:

- Module \* RT
- Product \* ALL
- Price Component \* C1
- Price Component Description \* RT\_CASH CHARGES
- Price Component Type \* Charge (dropdown menu)

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

- Maker: [text box]
- Checker: [text box]
- Date Time: [text box]
- Date Time: [text box]
- Mod No: 1
- Record Status: Open
- Authorization: Authorized
- Status: Status
- Exit button



### 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**

Maker	Checker	Date Time:	Mod No	Record Status	Authorization Status

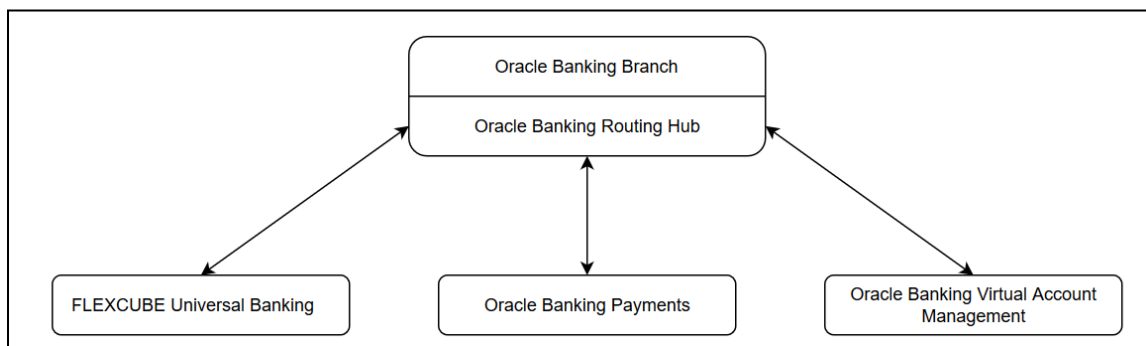
This screen is used to maintain the External Data Elements of Oracle Banking Branch in FLEXCUBE Universal Banking. Specify the details in the fields as shown in [Figure 9](#). The details of External Data Elements of Oracle Banking Branch are provided in table FCC\_OBREMO\_BRANCH\_COMMON.SRV\_TM\_BC\_EDE\_LIST.

## 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 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:

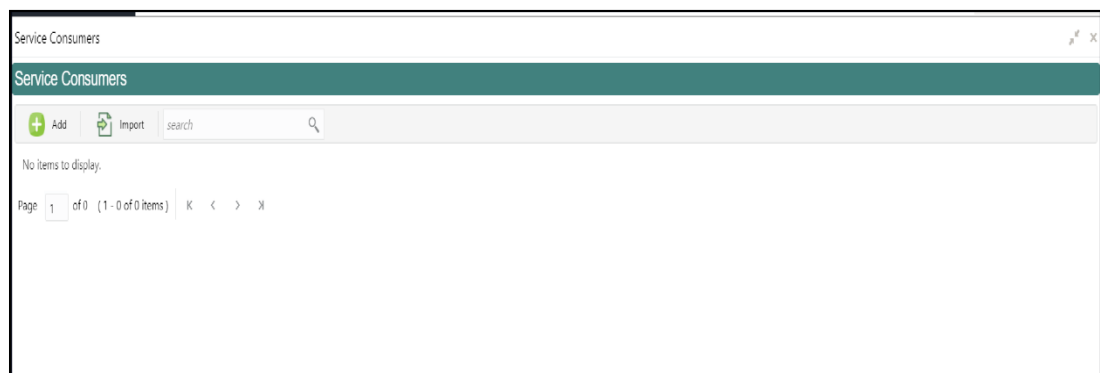
Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

#### 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.

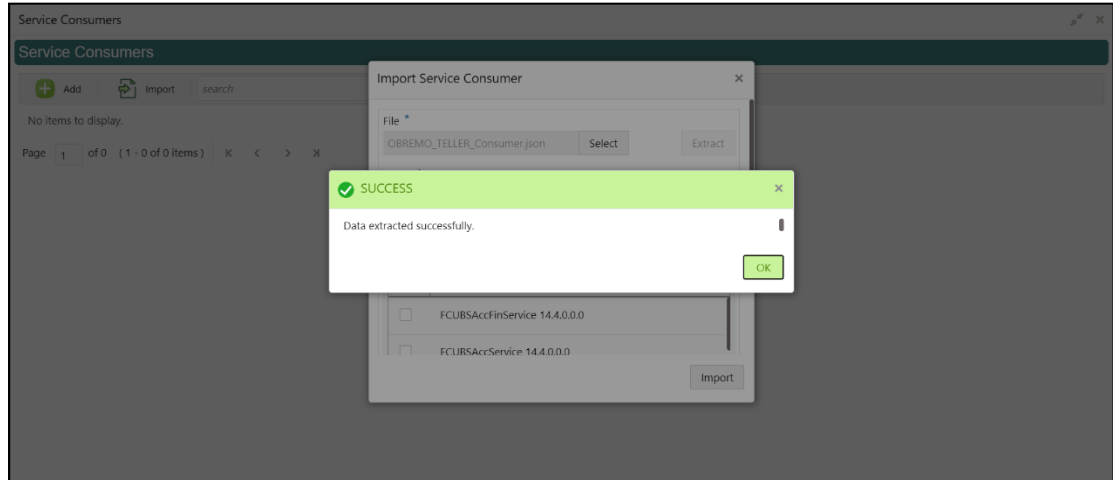
→ The **Service Consumers** screen is displayed.

**Figure 11: Service Consumers**



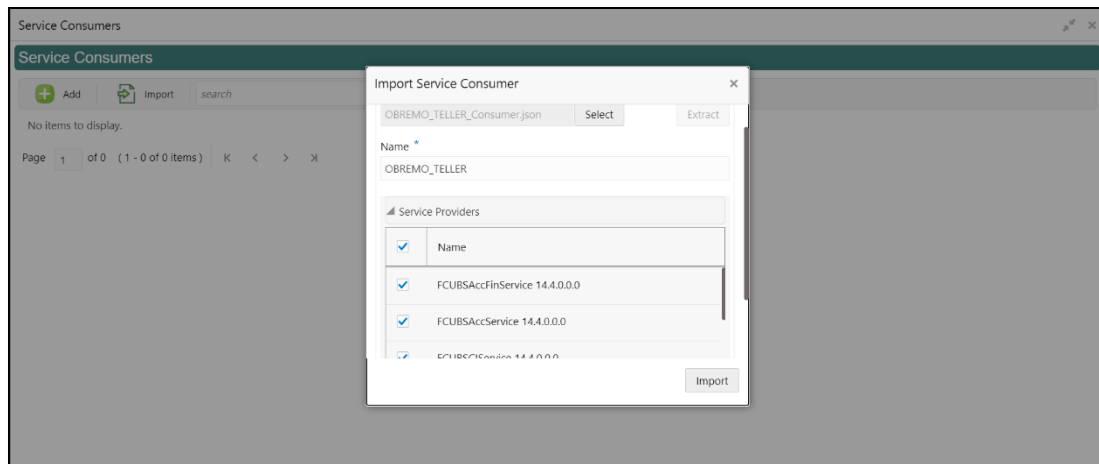
2. Click **Import**.
3. Upload the **OBREMO\_TELLER\_Consumer.json** file provided in the release (Folder path: \OBARN\_ROUTING\_CONFIGURATION), and click **Extract**.

**Figure 12: Extract JSON File**

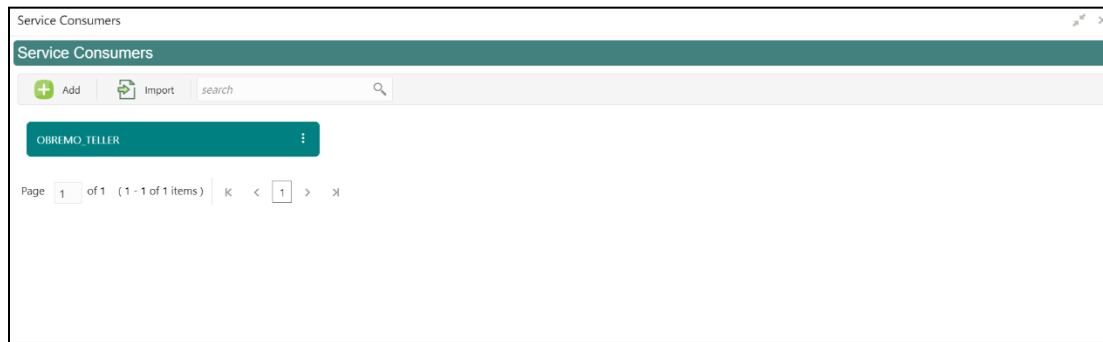


4. Select all the extracted service providers, and click **Import**.

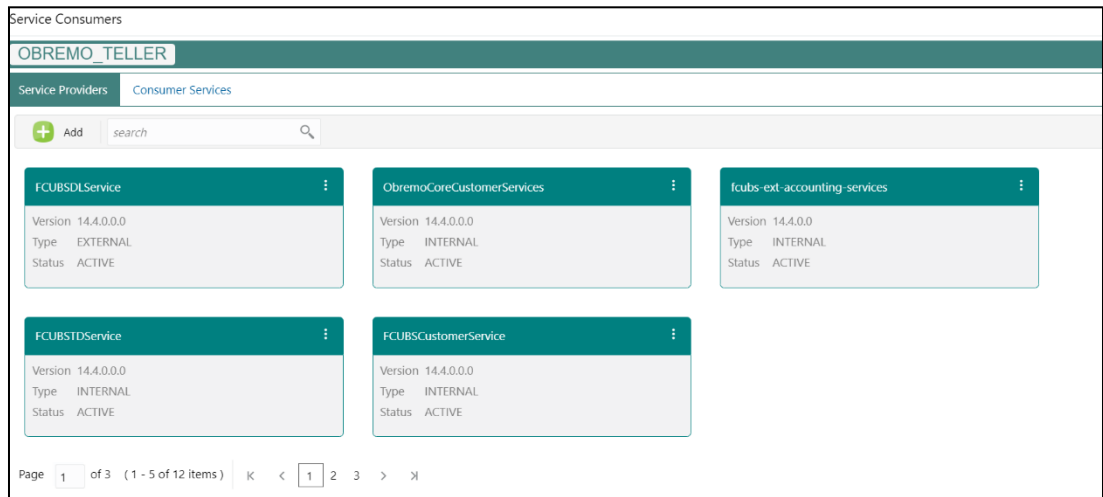
**Figure 13: Service Provider Selection**



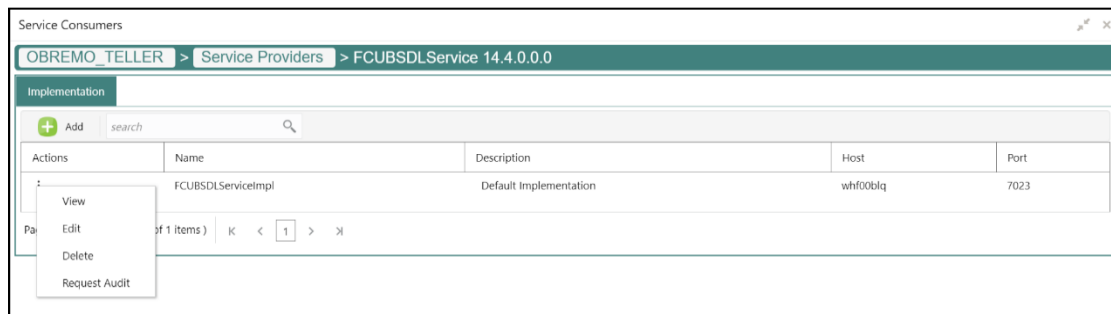
**NOTE:** A sample screen after Import operation is shown in [Figure 14](#).

**Figure 14: Imported Service Consumers**

5. Click **OBREMO\_TELLER**.

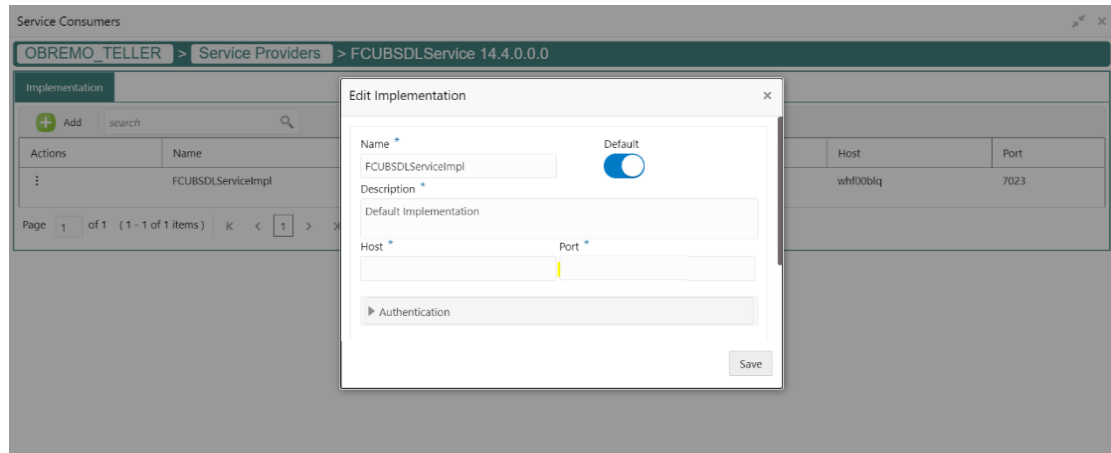
**Figure 15: OBREMO\_TELLER**

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**

Service Consumers		
OBREMO_TELLER		
Service Providers    Consumer Services		
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
Page 1 of 6 (1 - 5 of 27 items)    < 1 2 3 4 5 6 > X		

**Figure 19: List of Service Providers - 2**

Service Consumers		
OBREMO_TELLER		
Service Providers    Consumer Services		
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
Page 2 of 6 (6 - 10 of 27 items)    < 1 2 3 4 5 6 > X		

**Figure 20: List of Service Providers - 3**

Service Consumers		
OBREMO_TELLER		
Service Providers Consumer Services		
<div> <div>+ Add</div> <div>search</div> </div>		
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 ) <div>             K &lt; 1 2 3 4 5 6 &gt; X           </div>		

**Figure 21: List of Service Providers - 4**

Service Consumers		
OBREMO_TELLER		
Service Providers Consumer Services		
<div> <div>+ Add</div> <div>search</div> </div>		
Actions	Name	Description
:	UpdateAccPassbookIO	Update account passbook details
:	QueryCllaccountIO	Fetch Mudarabaha /Islamic loan account
:	CreateDisbursementFS	Create Loan Disbursement
:	QueryAccountIO	Fetch Loan Account details
:	CreateTD CustAccFS	TD Account Opening
Page 4 of 6 ( 16 - 20 of 27 items ) <div>             K &lt; 1 2 3 4 5 6 &gt; X           </div>		

**Figure 22: List of Service Providers - 5**

Service Consumers		
OBREMO_TELLER		
Service Providers Consumer Services		
<div> <div>+ Add</div> <div>search</div> </div>		
Actions	Name	Description
:	QueryCheckDetailsIO	Cheque Status Inquiry
:	CreateTDTopUpFS	Create TD top up in host system
:	CustomerContactUpdate	Update customer contact details
:	CreatePaymentIO	Loan repayment
:	QueryTD CustAccIO	Fetch TD account information
Page 5 of 6 ( 21 - 25 of 27 items ) <div>             K &lt; 1 2 3 4 5 6 &gt; X           </div>		

**Figure 23: List of Service Providers - 6**

Service Consumers		
OBREMO_TELLER		
Service Providers Consumer Services		
<div> <div>+ Add</div> <div>search</div> </div>		
Actions	Name	Description
:	CreatedownpaymentIO	Create Islamic Down payment
:	CreateTDRedemFS	Create TD redemption
Page 6 of 6 ( 26 - 27 of 27 items ) <div>             K &lt; 1 2 3 4 5 6 &gt; X           </div>		

### 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.

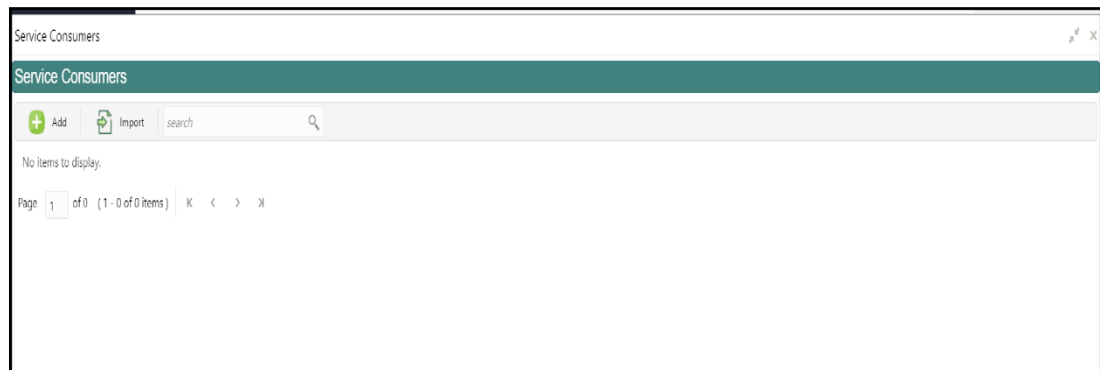
#### Prerequisite:

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.

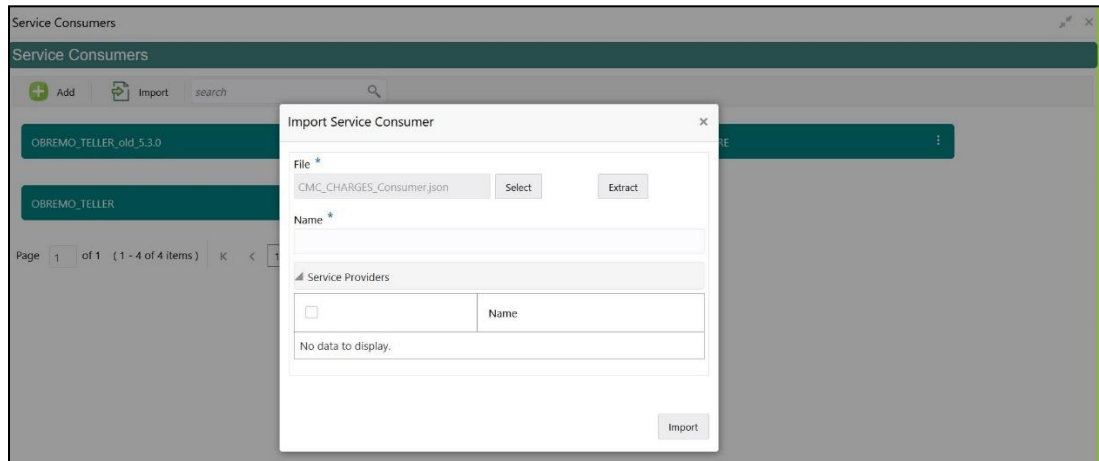
**Figure 24: Service Consumers**



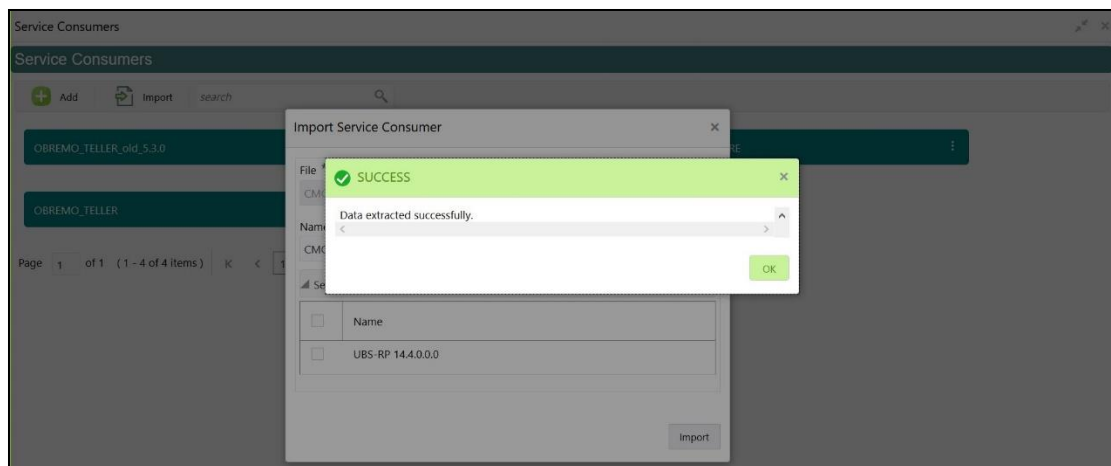
2. Click **Import**.
3. Upload the **CMC\_CHARGES.json** file provided in the release, and click **Extract**.

**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**



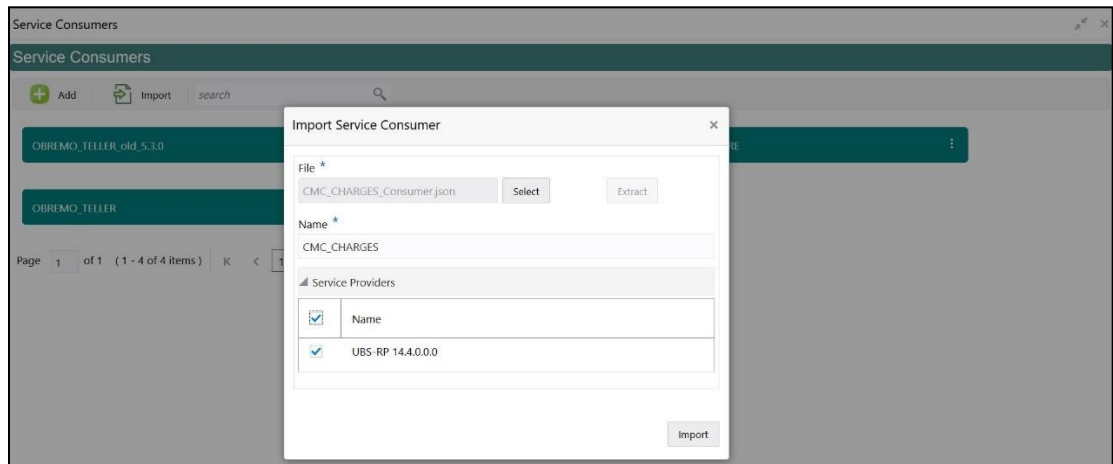
**Figure 26: Extract JSON File**





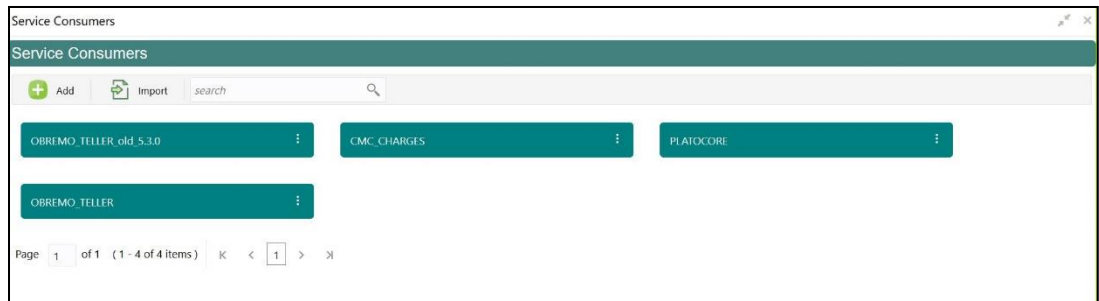
4. Select the extracted service provider, and click **Import**.

**Figure 27: Service Provider Selection**

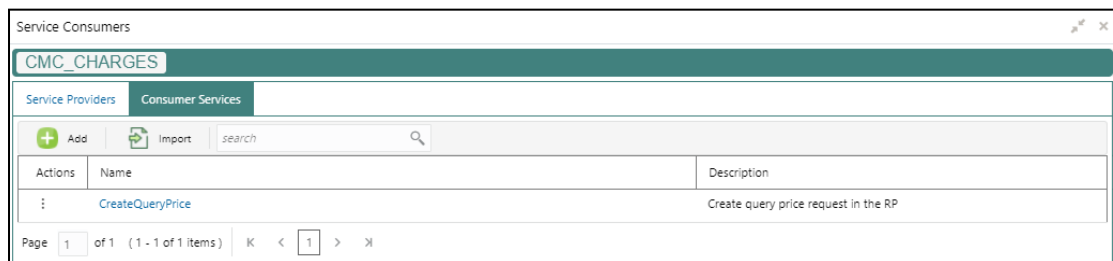


**NOTE:** The sample screens after import operation are shown in [Figure 28](#) and [Figure 29](#).

**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.

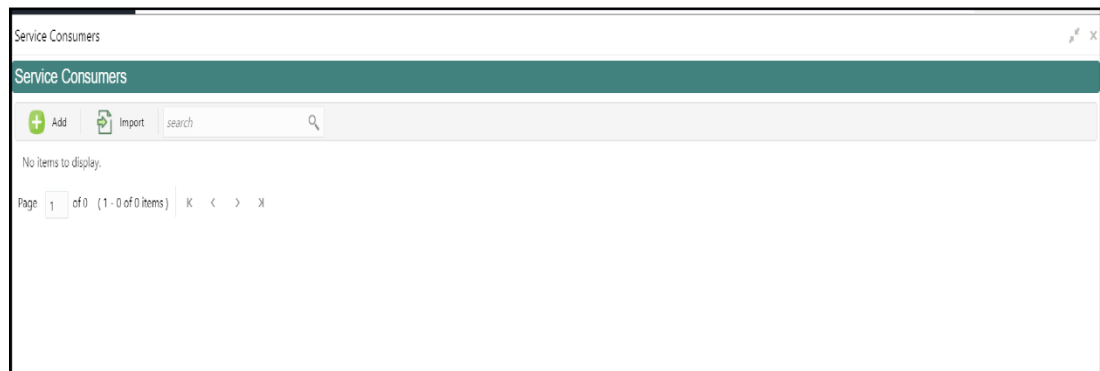
#### Prerequisite:

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

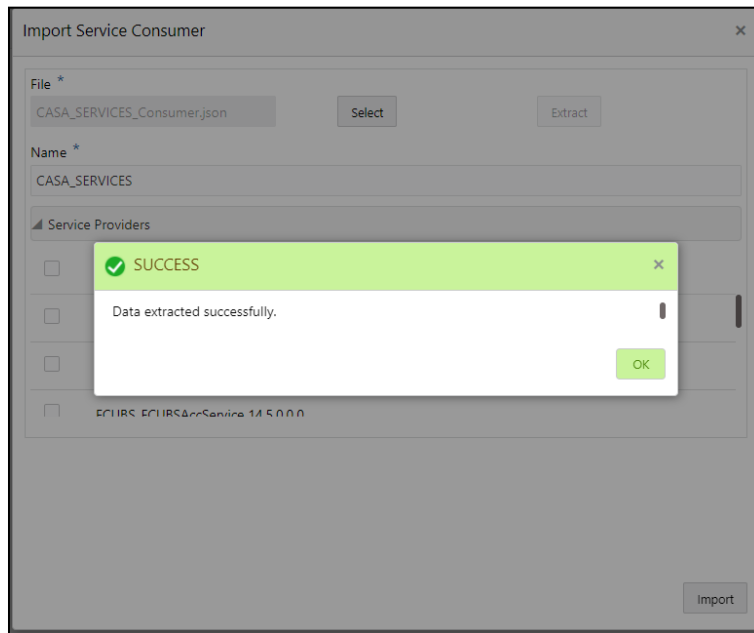
#### To configure CASA:

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.

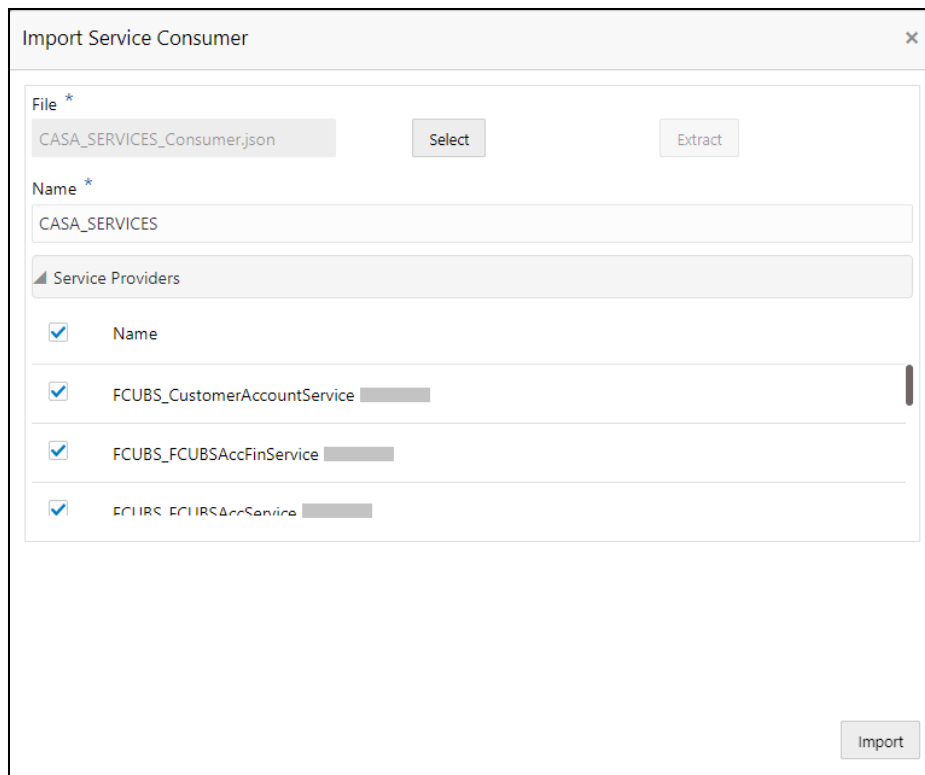
**Figure 30: Service Consumers**



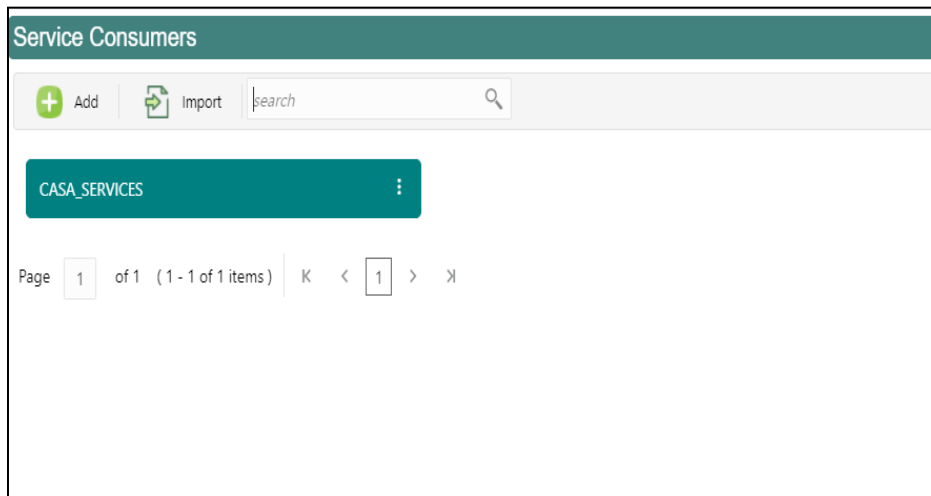
2. Click **Import**.
3. Upload the **CASA\_SERVICES\_Consumer.json** file provided in the release (Folder path: \OBBRN\_ROUTING\_CONFIGURATION), and click **Extract**.

**Figure 31: Extract JSON File**

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

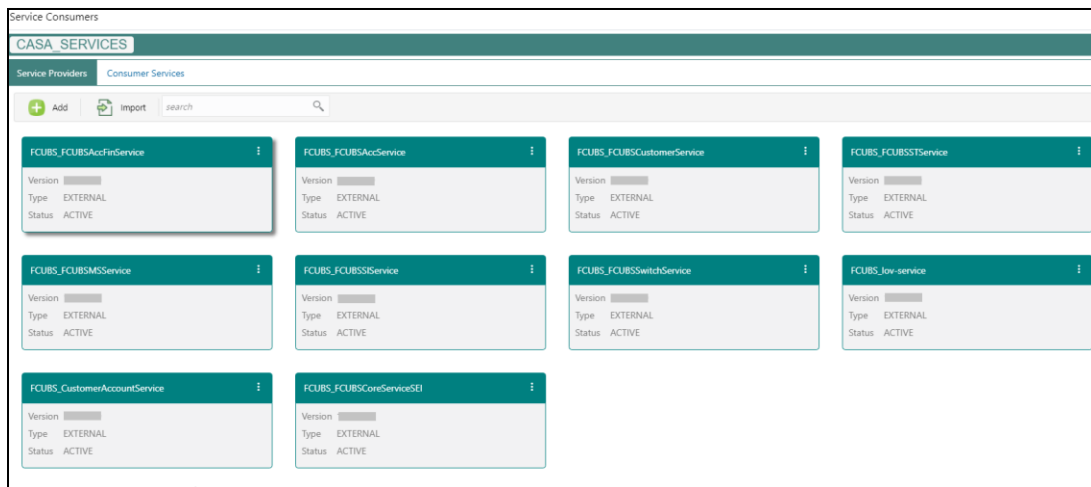
**Figure 32: Service Provider Selection**

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

**Figure 33: Imported Service Consumers**

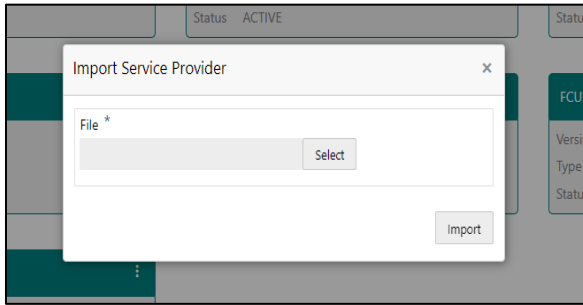
5. Click **CASA\_SERVICES**.
6. Click **Import** to import latest service providers.

**NOTE:** This import will update the existing service providers and add new service providers to casa\_services.

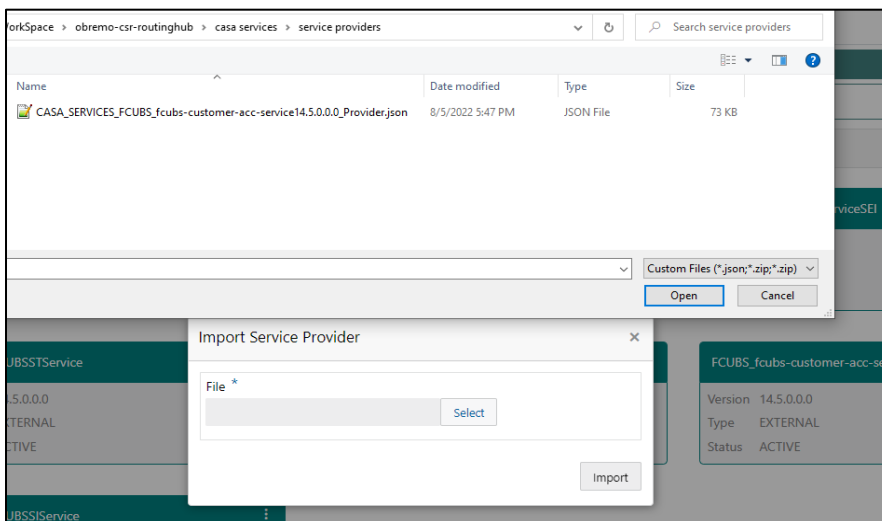
**Figure 34: CASA\_SERVICES**

7. Click **Select** to choose service providers.

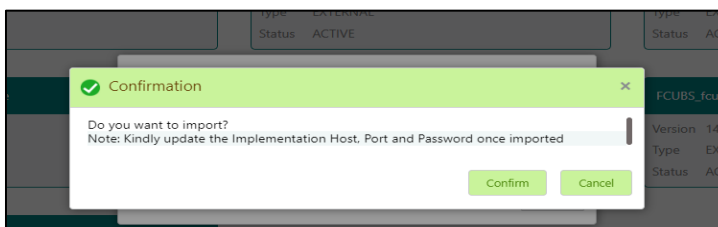
**NOTE:** You can zip and import all service providers at once if more than one service providers are available to import.

**Figure 35: Import Service Provider**

8. Select service provider and click **Import**.

**Figure 36: Select Service Provider**

9. Click **Confirm** to complete import.

**Figure 37: Confirm Service Provider**

10. Click **Consumer Services** to import latest consumer service.

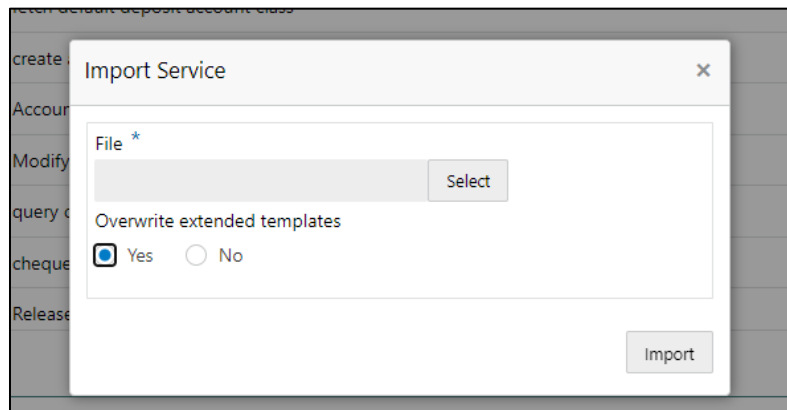
**NOTE:** This import will update old consumer services and add new consumer services to casa\_services.

11. Click **Import**.

**Figure 38: Consumer Services**

CASA_SERVICES		
Service Providers    Consumer Services		
<div> <span>+ Add</span> <span>Import</span> <input type="text" value="Search"/> </div>		
Actions	Name	Description
⋮	UpdateDocument	Handoff Document Update Request to Host
⋮	NomineeDetailsUpdate	update nominee details
⋮	DefaultDepositAccCls	fetch default deposit account class
⋮	CreateAutoDeplns	create auto deposit instruction
⋮	AccountBranchTransferLogSummary	AccountBranchTransferLogSummary
⋮	ModifyCustAccountLmt1	ModifyCustAccountLmt test
⋮	QuerySwitchCardTypeLimit	query card type limit
⋮	ChequeBookRequest	cheque book request
⋮	ReleaseUncollectedFunds	ReleaseUncollectedFunds
Page 1 of 11 (1 - 10 of 105 items)   K < 1 2 3 4 5 ... 11 > >		

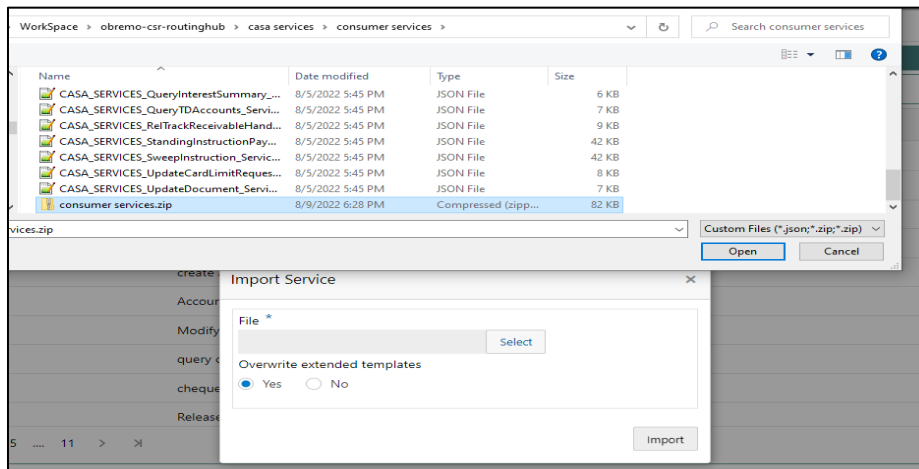
12. Select Overwrite extended templates as **Yes** and click **Select** to choose consumer services.

**Figure 39: Import Service**

13. Click **Open** to choose consumer services and Click **Import**.

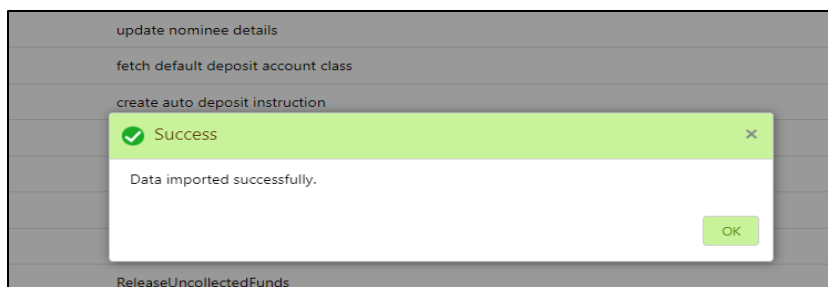
**NOTE:** You can zip and import all service providers at once if more than one service providers are available to import.

Figure 40: Select consumer services



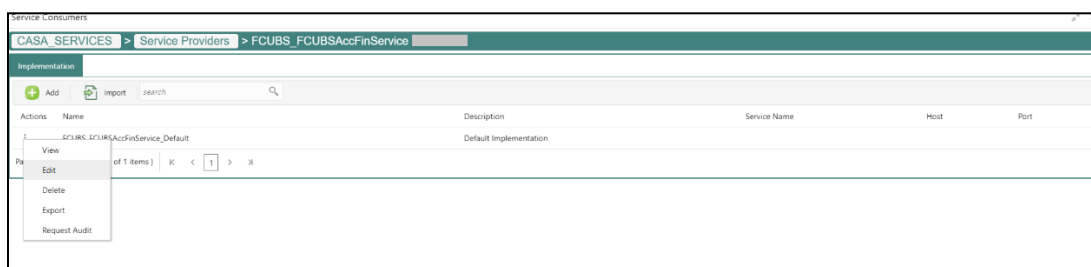
14. Click **Ok**.

Figure 41: Confirm consumer services



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

Figure 42: Edit Service Provider



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

**Figure 43: Edit Implementation**

**Edit Implementation**

Name \*  ☒

Description \*

Scheme \*  Host \*  Port \*

▶ Authentication

▶ Headers

▶ Service

Save

17. 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:

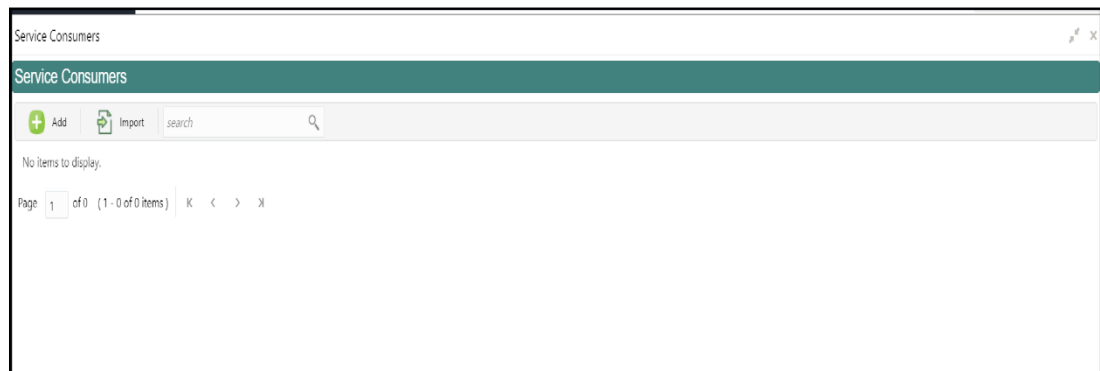
Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

#### 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.

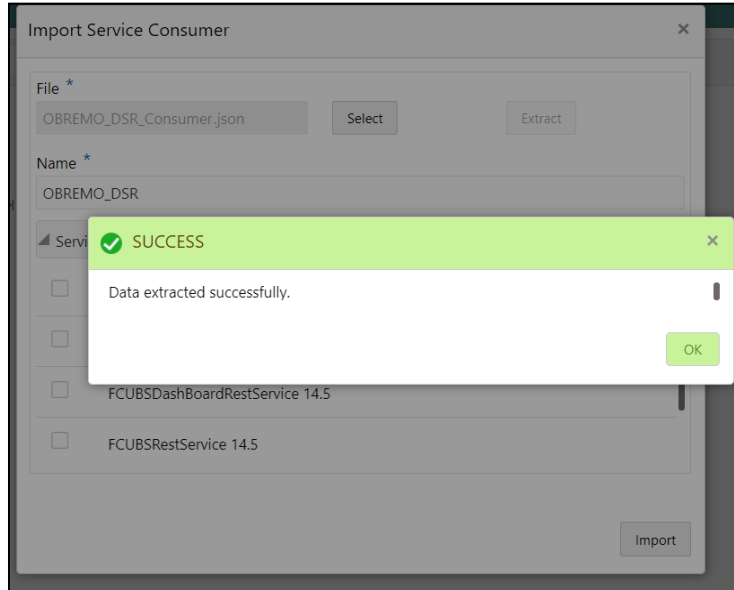
→ The **Service Consumers** screen is displayed.

**Figure 40: Service Consumers**



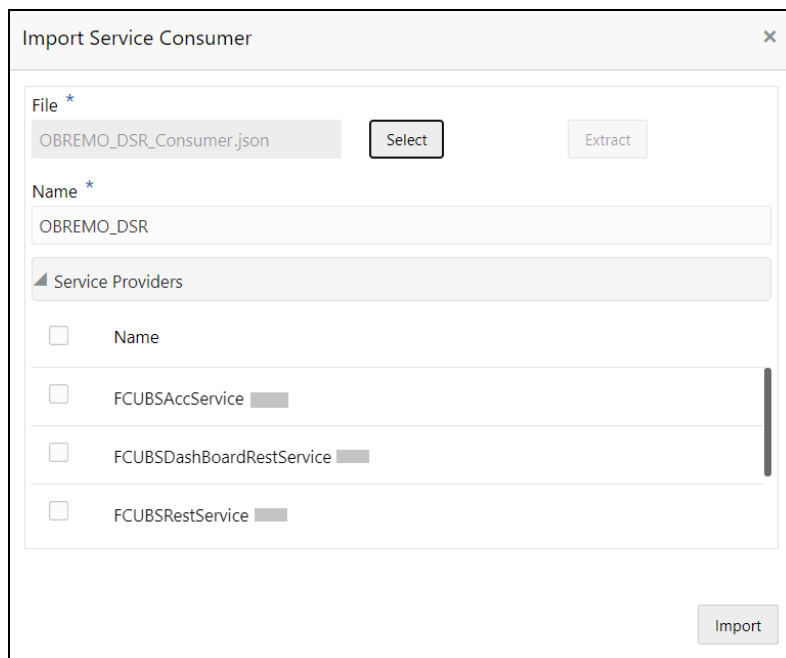
2. Click **Import**.
3. Upload the **OBREMO\_DSR\_Consumer.json** file provided in the release (Folder path: \OBBRN\_ROUTING\_CONFIGURATION), and click **Extract**.

**Figure 45: Extract JSON File**

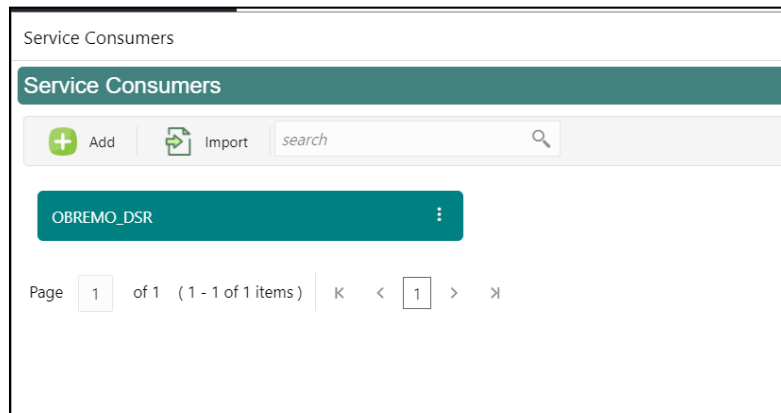


4. Select all the extracted service providers, and click **Import**.

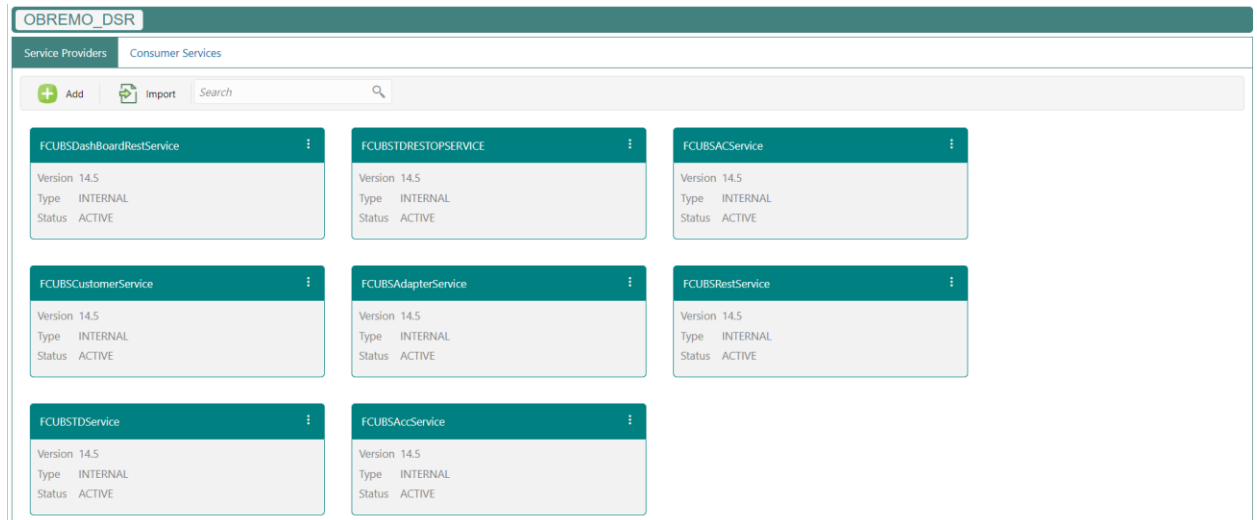
**Figure 46: Service Provider Selection**



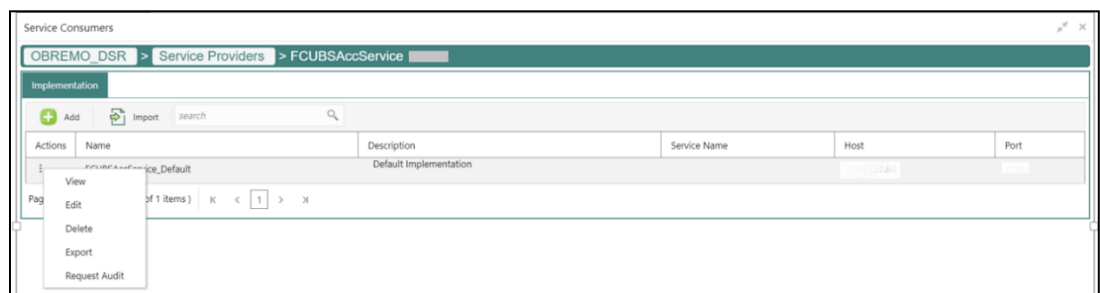
**NOTE:** A sample screen after Import operation is shown in [Figure](#) .

**Figure 41: Imported Service Consumers**

5. Click **OBREMO\_DSR**.

**Figure 42: OBREMO\_DSR**

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

**Figure 49: Edit Service Provider**

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

**Figure 50: Edit Implementation**

The screenshot shows a web-based configuration window titled "Edit Implementation". It contains the following elements:

- Name \***: Text input field containing "FCUBSAccService\_Default".
- Description \***: Text input field containing "Default Implementation".
- Scheme \***: Dropdown menu showing "http".
- Host \***: Text input field containing "10.10.137.64".
- Port \***: Text input field containing "8080".
- Default**: A toggle switch that is currently turned on (blue).
- Eureka Instance**: A toggle switch that is currently turned off (grey).
- Authentication**: An expandable section with a right-pointing arrow.
- Headers**: An expandable section with a right-pointing arrow.
- Service**: An expandable section with a right-pointing arrow.
- Save**: A button located at the bottom right of the dialog.

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

#### **2.3.1.6 Configurations in Oracle Banking Routing Hub (Loans)**

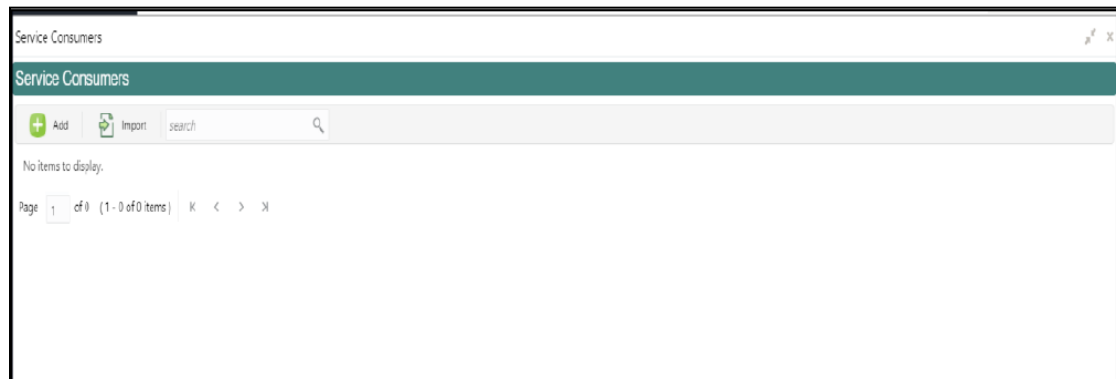
You can maintain routing configuration of Oracle Banking Routing Hub in common core for Loans transitions of Oracle Banking Branch to create, update, and query host system. A host system can be FLEXCUBE Universal Banking.

##### **Prerequisite:**

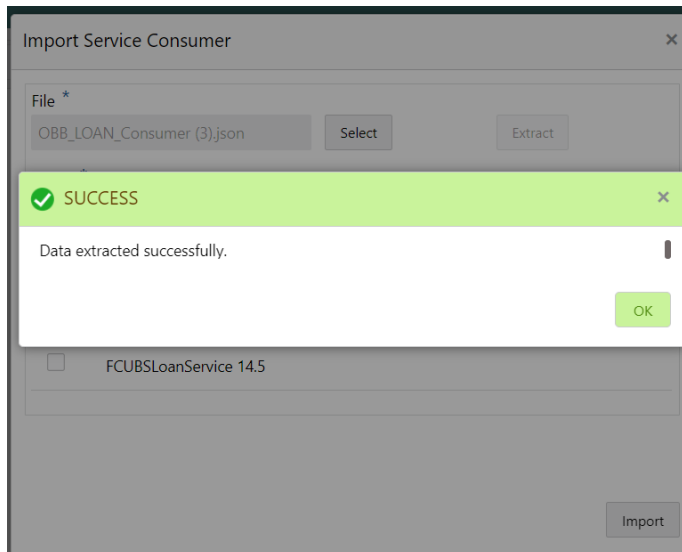
Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

##### **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 43: 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 52: Extract JSON File Integration Guide**

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

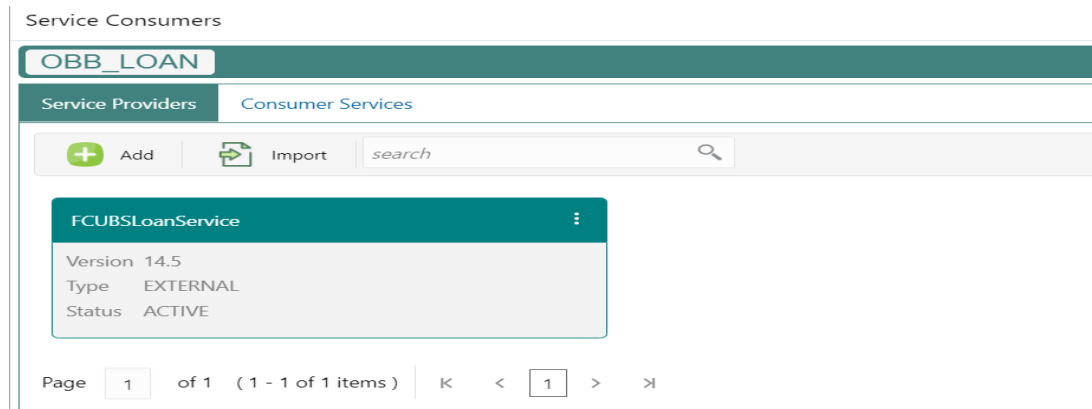
**Figure 53: Service Provider Selection**

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

**Figure 44: Imported Service Consumers**

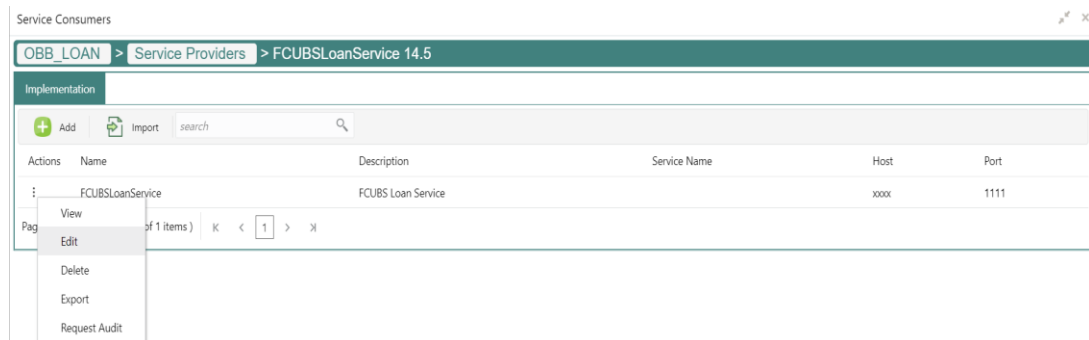
- Click **OBB\_LOAN**.

**Figure 55: OBB\_Loan**



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

**Figure 55: Edit Service Provider**



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

**Figure 45: Edit Implementation**

**Edit Implementation**

Name \* Default  
FCUBSLoanService ☒

Description \*  
FCUBS Loan Service

Scheme \* Host \* Port \*  
http xxxx 1111

► Authentication

► Headers

► Service

Save

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.

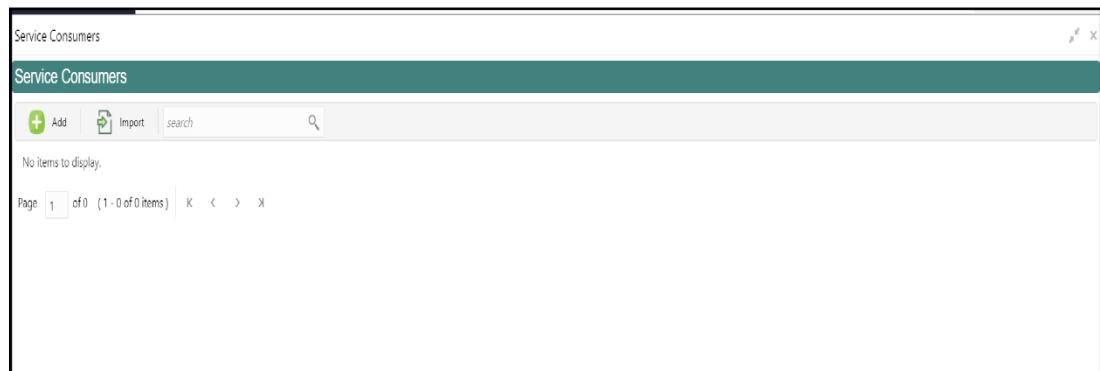
#### Prerequisite:

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

#### To configure CASA 360:

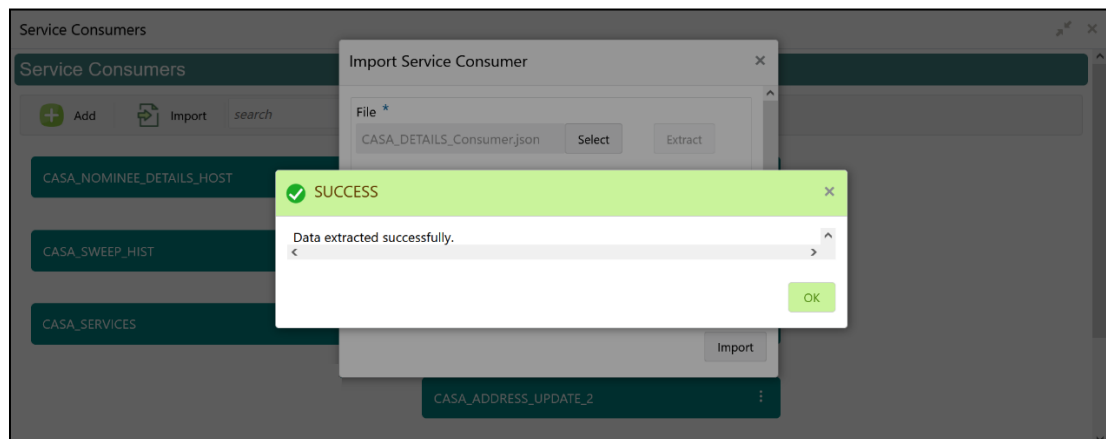
1. On the Home screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**, and select **Service Consumers**, or specify **Service Consumer** in the search icon bar.  
→ The **Service Consumers** screen is displayed.

**Figure 46: Service Consumers**



2. Click **Import**.
3. Upload the **CASA\_DETAILS\_Consumer.json** file provided in the release (folder path: \OBARN\_ROUTING\_CONFIGURATION), and click **Extract**.

**Figure 47: Extract JSON File**



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

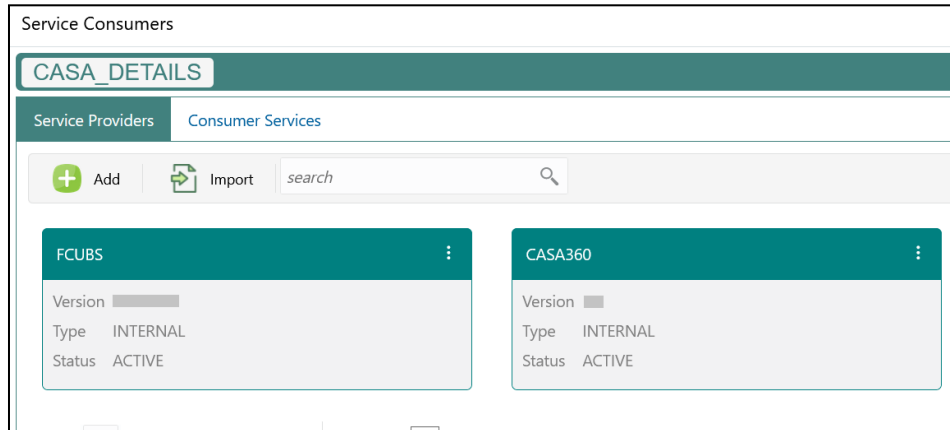
**Figure 48: Service Provider Selection**

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

**Figure 60: Imported Service Consumers**

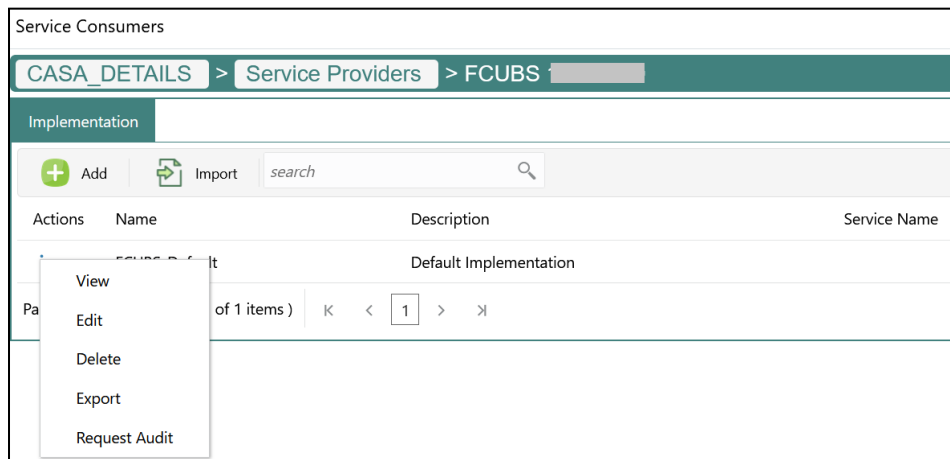
5. Click **CASA\_DETAILS**.

**Figure 61: CASA\_DETAILS**



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

**Figure 62: Edit Service Provider**



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

**Figure 63: Edit Implementation**

The screenshot shows a web-based configuration window titled "Edit Implementation". It contains the following elements:

- Name \***: A text input field containing "FCUBS\_Default".
- Description \***: A text area containing "Default Implementation".
- Scheme \***: A dropdown menu showing "http".
- Host \***: An empty text input field.
- Port \***: An empty text input field.
- Default**: A toggle switch that is currently turned on (blue).
- Eureka Instance**: A toggle switch that is currently turned off (grey).
- Authentication**: A button with a right-pointing triangle icon.
- Save**: A button located at the bottom right of the dialog.

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 49](#). For information on fields, refer to Oracle Banking Common Core User Guide in the Oracle Banking Branch Documentation Library.

**Figure 49: 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 50](#). For information on fields, refer to Oracle Banking Branch User Guide in the Oracle Banking Branch Documentation Library.

**Figure 50: Charge Definition Maintenance**

Charge Definition Maintenance

New Unlock Close

Charge Code \* A131401RP1

Charge Description \* A131401RP1

Charge Category \* Standard

Charge Credit Account \* 708500000

Charge Debit Account \* CR\_LEG

Credit Tim Code R03

Debit Tim Code R03

Pricing Source System UBS-RP

Pricing Source Description

EDE Code	EDE Description	EDE_XREF	External Reference Number

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

### 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.

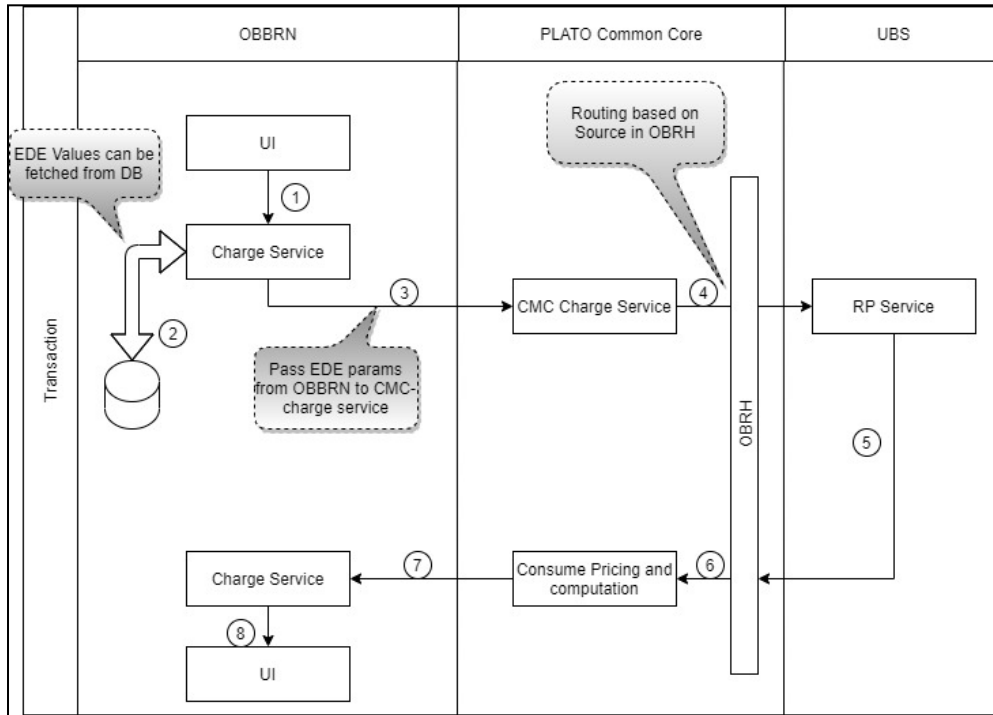
### 2.3.3.4 Transaction Charge Computation

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](#).

**Figure 51: 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**

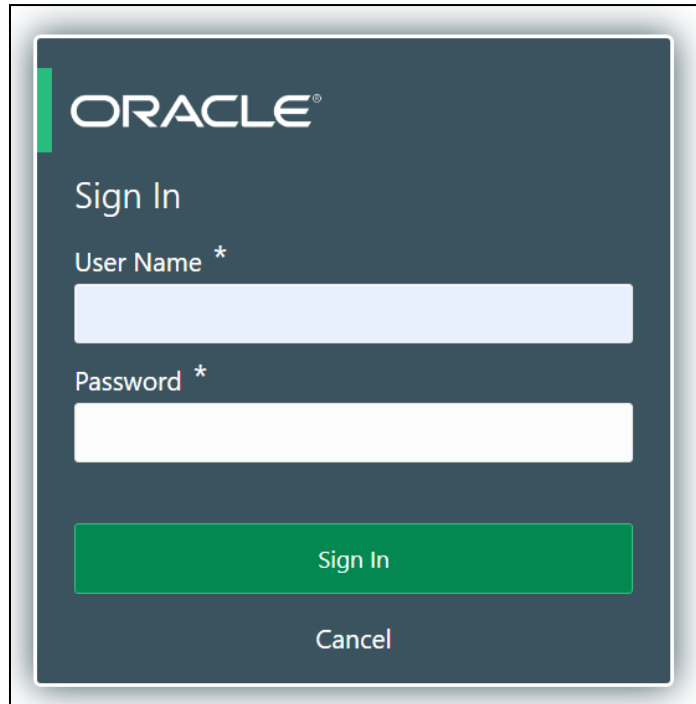
The SERVICE-CONSUMER for the entities are described in this sub-section.

#### **Login Screen:**

Perform the following steps:

1. Open the URL of the application.

**Figure 52: Login Screen**

The image shows a login screen for Oracle. It has a dark blue background with the Oracle logo at the top left. Below the logo, the text "Sign In" is displayed. There are two input fields: "User Name \*" and "Password \*". Below these fields are two buttons: a green "Sign In" button and a white "Cancel" 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:**

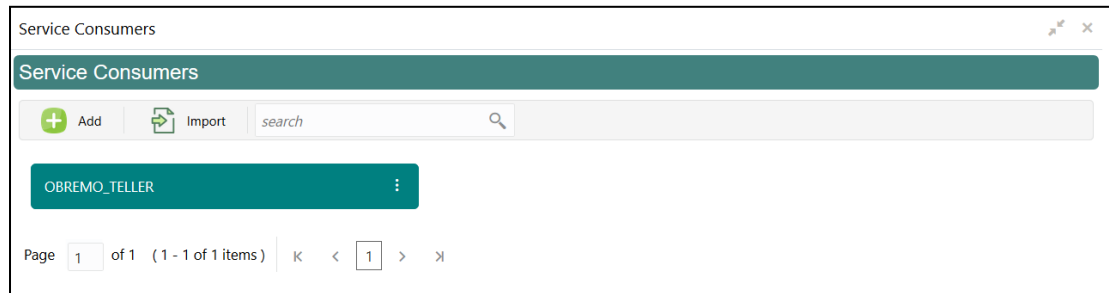
Log in to the application homepage. For information on how to log in, refer to the Getting Started User Guide.

**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 53: Service Consumers**

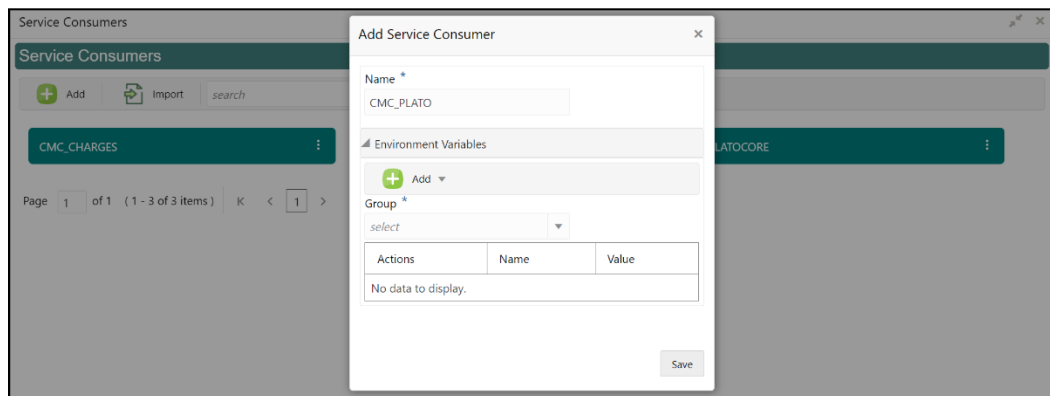


#### 2.4.1.2.1 **Add Service Consumers**

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

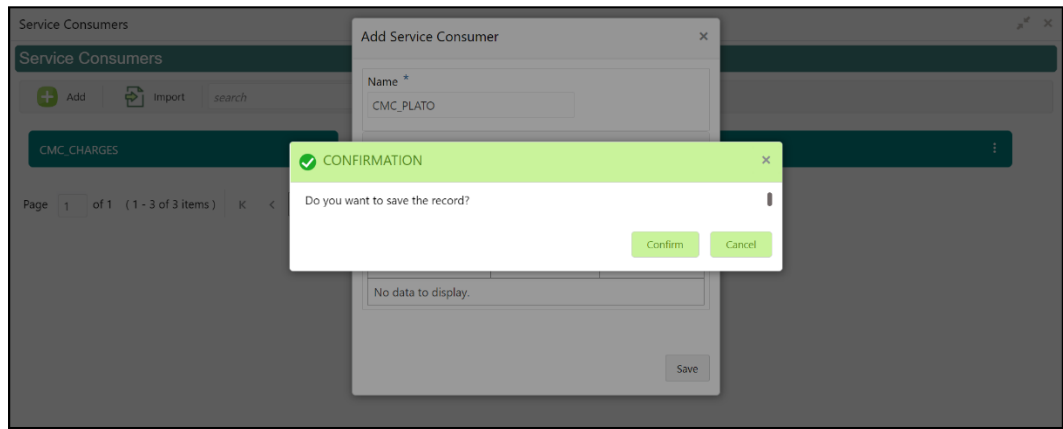
1. In the **Service Consumers** screen, click **Add** to create a new Oracle Banking Routing Hub template.

**Figure 69: Add Service Consumer**



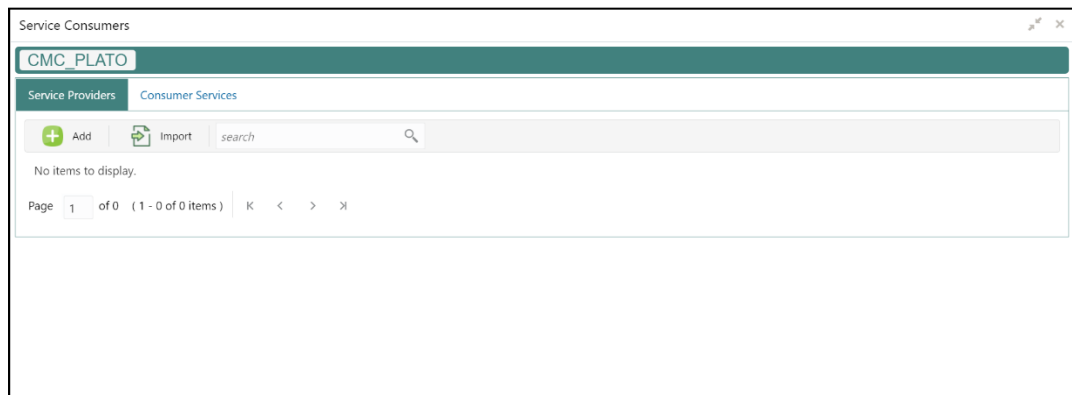
- Specify the necessary details, and click **Save** to create template.

**Figure 70: Add Service Consumer – Save**



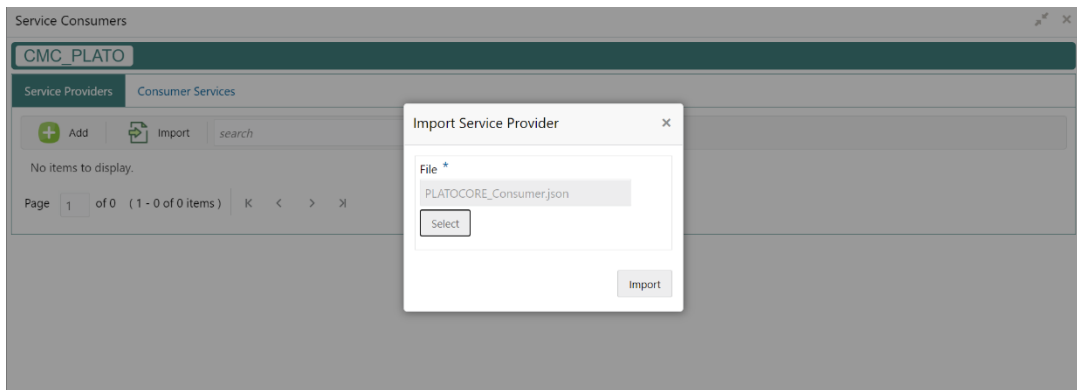
- Click **CMC\_PLATO**, and select **Import** to import the necessary file.

**Figure 71: Import Service Provider**



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

**Figure 72: 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](#) . For information on fields, refer to Oracle FLEXCUBE UBS - ELCM Integration guide in the FLEXCUBE Universal Banking Documentation Library.

**Figure 73: External Service Maintenance**

The screenshot shows the 'External Service Maintenance' window for the 'PLATOCORE' system. The 'External System' is set to 'PLATOCORE', 'External System Type' is 'LBL\_OBRH', and 'External User' is 'SID'. The 'External System AppID' is 'CMNCORE'. The 'Read Time Out (In Seconds)' and 'Connection Time Out (In Seconds)' fields are empty, and the 'Retry Count' is 0. A table lists the 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

The bottom section shows the 'Maker' and 'Checker' fields, 'Date Time' fields, 'Mod No' 8, 'Record Status' Open, and 'Authorization Authorized Status'. 'Ok' and 'Exit' buttons are present.

The screenshot shows the 'External Service Maintenance' window for the 'OBSRV' system. The 'External System' is set to 'OBSRV', 'External System Type' is 'LBL\_OBMA', and 'External User' is 'SYSTEM'. The 'LBL\_EXTERNAL\_SYSTEM\_APPID' is 'OBSRV'. The 'WS Endpoint URL' field contains a link to the WSDL file. A table lists the service details:

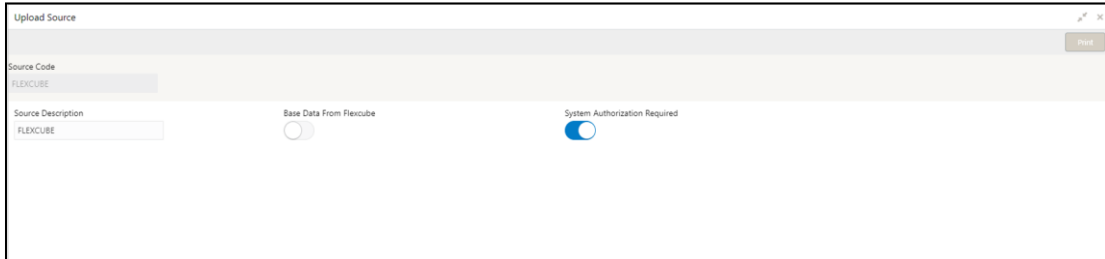
Type	Service Name	WS Endpoint URL	Rest Service Context	Rest Service IP	Rest Service Port	Rest Service Path
SOAP request	FCUBSAccService	~/FCUBSAccService/FCUBSAccService?WSDL				

The bottom section shows the 'Maker' and 'Checker' fields, 'Date Time' fields (2020-03-26 07:57:11), 'Mod No' 2, 'Record Status' Open, and 'Authorization Authorized Status'. 'Ok' and 'Exit' buttons are present.

### 2.4.3 Upload Source Code Maintenance

Specify the details in the fields as shown in [Figure](#) 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 74: Create Upload Source**



The screenshot shows a web form titled "Upload Source" with a "Save" button in the top right corner. The form contains the following fields and controls:

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

---

## 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 54: Create Entity**

The 'Create Entity' window contains the following sections:

- Entity Creation:**
  - Entity Id: ENTITY\_ID1
  - Entity Name: ENTITY\_ID1
  - HO Branch Code: [Field]
  - HO Branch Name: [Field]
  - HO Branch Address: [Field]
  - Host Code: [Field]
  - Country: [Dropdown]
  - Current HO Branch Posting Date: [Field]
  - Previous HO Branch Posting Date: [Field]
  - Next HO Branch Posting Date: [Field]
  - Bank Name: [Field]
  - Bank Code: [Field]
- Application JNDI Mapping:**

Application Id	JNDI
<input checked="" type="checkbox"/> SRVADAPTER	jdbc/SRVADAPTER
<input type="checkbox"/> CMNCORE	jdbc/CMNCORE
<input type="checkbox"/> 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](#) .

**Figure 76: Source Maintenance Detailed (PMDSORCE)**

The 'Source Maintenance Detailed' window contains the following sections:

- Source Code \*:** OBTLR
- Host Code \*:** HOST1
- Description:** OBTLR
- Source Type:** Manual Input
- MIS Group:** [Field]
- UDF Group:** UDF\_1
- Prefunded Payments:**
  - ☒ Prefunded Payments Allowed
  - ☐ Pricing Applicable
  - ☐ Auto-process Claims for Prefunded Payments
- 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: [Field]
- Auto Queue Preferences:**
  - System Action: Auto roll-over
- Footer:**
  - Duplicate Check Fields | Response Details
  - Maker: [Field] Date Time: [Field] Mod No: 6 Record Status: Open
  - Checker: [Field] Date Time: [Field] Authorization: Authorized Status
  - Exit button

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

**Figure 55: 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 1 limit

**Pricing**

☐ External Pricing Applicable

Maker

Checker

Date Time:

Date Time:

Mod No 1

Record Status Open

Authorization Authorized Status

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](#) .

**Figure 56: External Notification Queue Detailed (PMDEXTNT)**

External Notification Queue Detailed

New Copy Close Unlock Print Enter Query

Host Code \* HOST1

Source Code \* OBTLR

Notification System Class OBREMO

Communication Type ReST

Timeout in Seconds

**JMS Preferences**

Outqueue JNDI Name

Queue Profile

**WebService Preferences**

WebService URL

Service

**ReST Preferences**

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

Maker

Checker

Date Time:

Date Time:

Mod No 12

Record Status Open

Authorization Authorized Status

Exit

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

**NOTE:** The **Profile ID** mentioned in *Figure* 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 57: Queue Connection Profile Maintenance Detailed (PMDQPROF)**

Queue Connection Profile Maintenance Detailed

New Copy Unlock Enter Query

Profile ID \*

Profile Description OBREMO

User ID

Password

Context Provider URL

Initial Context Factory Class

Queue Factory JNDI

☐ Queue Authentication Required

Maker  Date Time:  Mod No 1 Record Status Open

Checker  Date Time:  Authorization Authorized Status

Exit

## 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 80: Create User**

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

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			

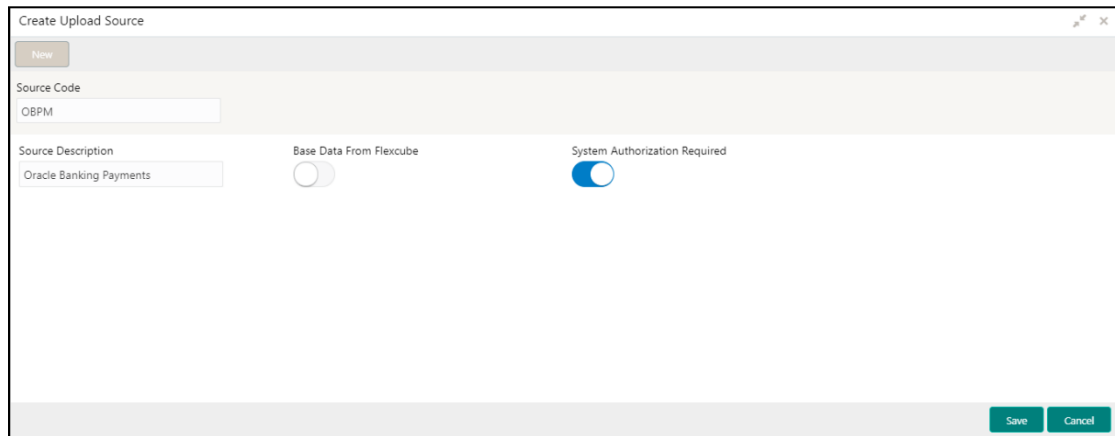
Other Details			
Access to PII	Email ID *	Telephone Number	Home Phone Number
<input checked="" type="checkbox"/>	obpmuser@oracle.com	9834334433	

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

**Figure 81: Create Upload Source**



The screenshot shows a web form titled "Create Upload Source". At the top left is a "New" button. Below it, the "Source Code" field contains the text "OBPM". The "Source Description" field contains the text "Oracle Banking Payments". To the right of the description field 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 of the form are two buttons: "Save" and "Cancel".