Oracle® Banking Microservices Architecture

FLEXCUBE Universal Banking - Party Services Integration Guide

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Purpose

This guide helps to integrate Party Services with FLEXCUBE Universal Banking.

Audience

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

Table User Roles - Description

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

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees,

customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Related Resources

For information on screens mentioned in this guide, refer to the following documents in the FLEXCUBE Universal Banking Documentation Library:

- *Common Core - Gateway User Guide*
- *Core Services User Guide*
- *Core Entities User Guide*

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The following acronyms and abbreviations are used in this guide:

Table Acronyms and Abbreviations

Acronym/ Abbreviation	Description
KYC	Know Your Customer
SMB	Small and Medium Business
SME	Small and Medium Enterprise

Symbols and Icons

The following are the symbols/icons you are likely to find in this guide:

Table Symbols

Symbol	Function
	Add icon
	Edit icon
	Delete icon
	Close
	Expand view
	Table view
	List view
	Maximize
	Minimize
	Open a list
	Options
	Tree view

1

Integration Guide

This topic describes the systematic instructions for integration of Party Services with FLEXCUBE Universal Banking acting as the backend Product Processor.

Prerequisites

The Party Service passes the user login id to FLEXCUBE Universal Banking for Gateway requests. Hence, the same user-id should be existing in FLEXCUBE Universal Banking with the required role access to perform the desired operation.

SOAP and Gateway Services should be up and running in FLEXCUBE Universal Banking for the integration to work.

Refer to the **Oracle Banking Party Configuration User Guide** for more details on Party Services.

This topic contains the following subtopics:

- Maintenance for Oracle FLEXCUBE Universal Banking
  This topic describes the maintenance for Oracle FLEXCUBE Universal Banking.
- Maintenance for Party Services
  This topic describes the maintenance for Party Services.

1.1 Maintenance for Oracle FLEXCUBE Universal Banking

This topic describes the maintenance for Oracle FLEXCUBE Universal Banking.

Specify **User ID** and **Password**, and login to **Oracle FLEXCUBE Universal Banking Home** screen.

Gateway setup should be done in Oracle FLEXCUBE Universal Banking for the particular source system by performing the below-listed maintenance.
Refer to **Common Core - Gateway User Guide** in Oracle FLEXCUBE Universal Banking for a detailed explanation.

Upload Source Maintenance
Maintain the source code as EXTSYS for Party Services to identify it as an external source system in the **Upload Source Maintenance** screen.

EXTSYS is an example source system name used throughout this document.

The source code name can be maintained against the key externalSource for the application obpy-party-handoff-services.

1. On **Home** screen, specify **CODSORCE**, and click **Next** arrow.

   The **Upload Source Maintenance** screen displays.

Figure 1-1 Upload Source Maintenance

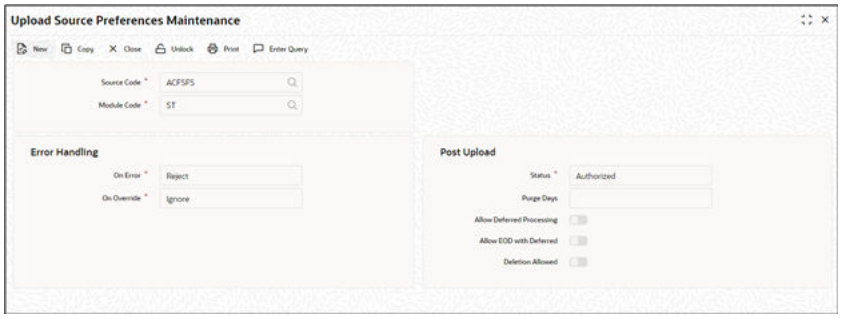
Upload Source Preferences Maintenance
For the defined source system (EXTSYS) and module ST, maintain the source preference record with recommended key values as shown below in the **Upload Source Preferences Maintenance** screen.

a. Post upload status - Authorized
b. On Override - Ignore
c. On Error - Reject
d. On Repairable Exception - Reject
e. On Queue Exception – Reject

2. On **Home** screen, specify **CODUPLDM**, and click **Next** arrow.

   The **Upload Source Preferences Maintenance** screen displays.

Figure 1-2 Upload Source Preferences Maintenance

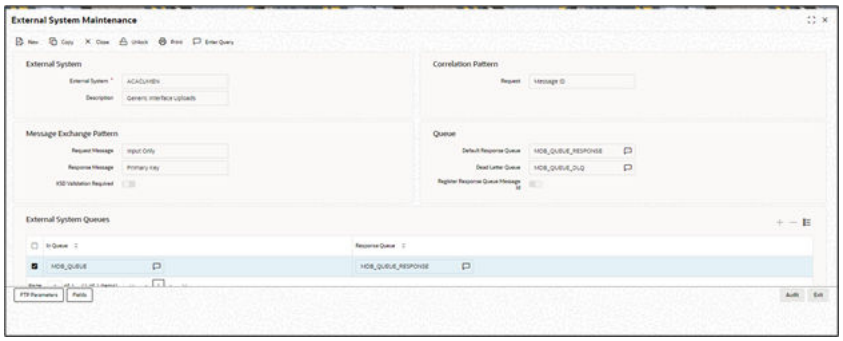


External System Maintenance
Maintain the external system EXTSYS for Party Services in the **External System Maintenance** screen.

3. On **Home** screen, specify **GWDETSYS**, and click **Next** arrow.

   The **External System Maintenance** screen displays.

Figure 1-3 External System Maintenance



External System Functions
Maintain the following function access rights in the **External System Functions** screen for the external system.

Table 1-1 External System Functions - Parameter Setup

Function	Action
STGCIF	NEW
STGCIF	UNLOCK
STGCIF	AUTHORIZE
STQCIF	VIEW
STVCIF	VIEW
STGKYCMN	NEW
STGKYCMN	UNLOCK
STGKYCMN	DELETE
STGKYCMN	AUTHORIZE
ACQABLQY	VIEW
STGCRCAD	NEW
STGCRCAD	UNLOCK
STGCRCAD	AUTHORIZE
STGCRCAD	VIEW

4. On **Home** screen, specify **GWDETFUN**, and click **Next** arrow.

   The **External System Functions** screen displays.

Figure 1-4 External System Functions

Static Type Maintenance
Maintain the following static maintenance are required for type CIF_ID_TYPE in the **Static Type Maintenance** screen.

Table 1-2 Static Type Maintenance - Parameter Setup

Type Name	Type Value
AADHAR	AADHAR
DRIVING LICENSE	DLS
PASSPORT	PPT
VOTERID	VOTERID

The same type values are to be maintained as the sub_entity_code in Party Services → Maintenance → Entity for the entitycode ITY.

> **Note:**
>
> Refer to **Oracle Banking Party Configuration User Guide** for more details on Entity Maintenance.

5. On **Home** screen, specify **CODTYPES**, and click **Next** arrow.

   The **Static Type Maintenance** screen displays.

Figure 1-5 Static Type Maintenance

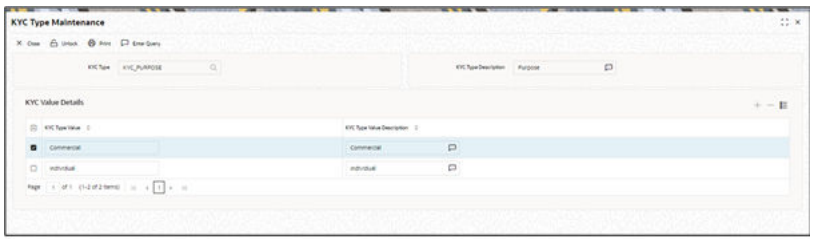
KYC Type Maintenance
Maintain a KYC Type as *KYC_ PURPOSE* with a value as “Commercial” in the **Static Type Maintenance** screen. The same value has to be maintained in the Party properties table (obpy_properties) key KYC_TYPE_PURPOSE.

Similarly, maintain a KYC Type as KYC_PURPOSE_CRP with values like CORPORATE, SMB, and SME to indicate the reason for Customer Onboarding.

6. On **Home** screen, specify **STDKYCTP**, and click **Next** arrow.

   The **KYC Type Maintenance** screen displays.

Figure 1-6 KYC Type Maintenance



Customer Prefix Maintenance
Maintain the below customer Prefix1 in **Customer Prefix Maintenance** screen.

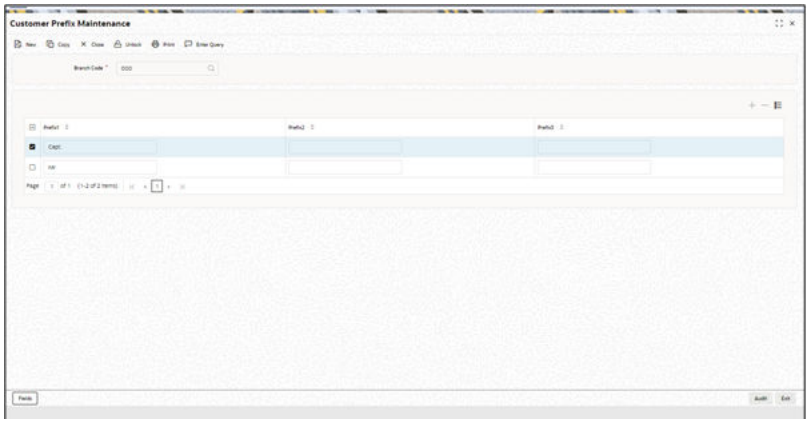
- Capt.
- Dr.
- Er.
- Major.
- Miss.
- Mr.
- Mrs.
- Ms.

The same values as sub_entity_code are to be maintained in Party Services → Maintenance → Entity for the entitycode SAL.

7. On **Home** screen, specify **STDCUPRT**, and click **Next** arrow.

   The **Customer Prefix Maintenance** screen displays.

Figure 1-7 Customer Prefix Maintenance



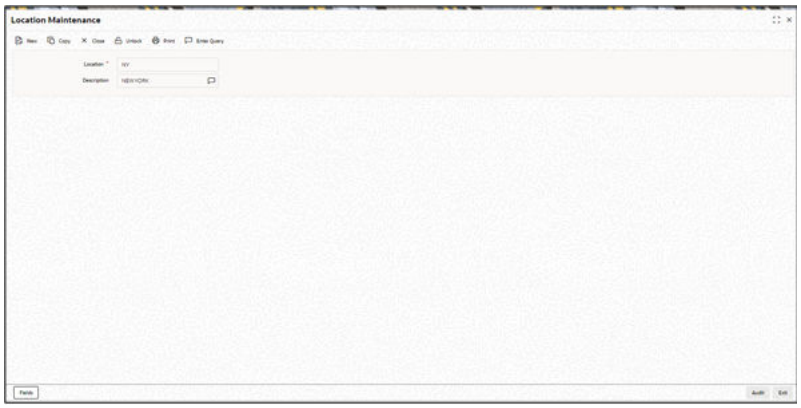
Location Maintenance
Maintain the required location codes. The same needs to be maintained in **Location Maintenance** screen available in Party.

> **Note:**
>
> Refer to **Oracle Banking Party Configuration User Guide** for more details on Location Maintenance.

8. On **Home** screen, specify **STDCULOE**, and click **Next** arrow.

   The **Location Maintenance** screen displays.

Figure 1-8 Location Maintenance



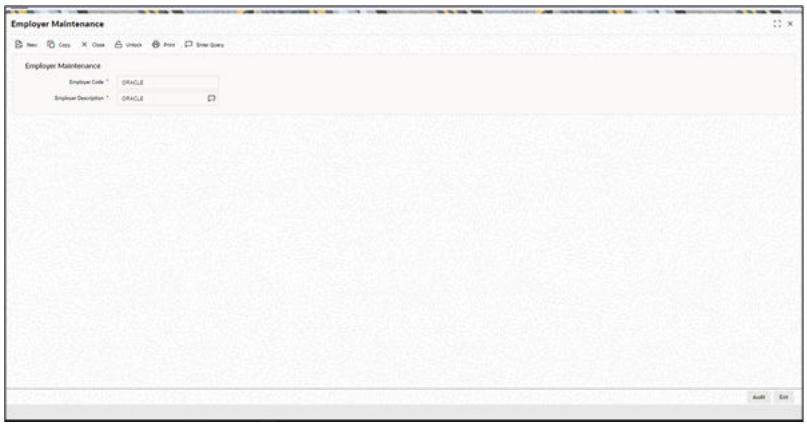
Employer Maintenance

Maintain the employer codes in the **Employer Maintenance** screen. The same code has to be maintained in Party Services → Maintenance → Organization.

9. On **Home** screen, specify **SMDEMPMT**, and click **Next** arrow.

   The **Employer Maintenance** screen displays.

Figure 1-9 Employer Maintenance



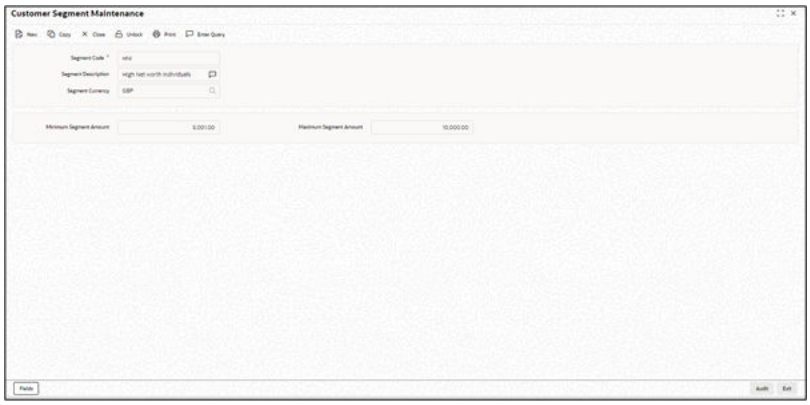
Customer Segment Maintenance

Maintain the different values for Customer Segment in **Customer Segment Maintenance** screen. The same code has to be maintained for the entity code **SEG** in Services → Maintenance → Entity.

10. On **Home** screen, specify **STDSEGMT**, and click **Next** arrow.

    The **Customer Segment Maintenance** screen displays.

Figure 1-10 Customer Segment Maintenance



Customer Category Maintenance

Maintain the following Customer categories in FLEXCUBE Universal Banking screen. The same values need to be maintained or replicated in Core Maintenance - Customer Category, which can be input as Party Sub Type during the Party onboarding.

11. On **Home** screen, specify **STDCSCAG**, and click **Next** arrow.

    The **Customer Category Maintenance** screen displays.

Figure 1-11 Customer Category Maintenance

Party Amendment

Gateway Amendment Maintenance

In FLEXCUBE Universal Banking, the amendment should be allowed field-wise for an operation code. Below is the list of samples required amendment fields in FLEXCUBE Universal Banking.

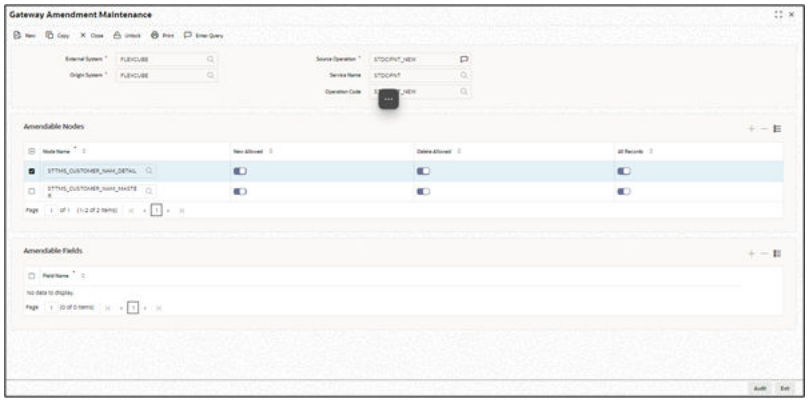
Customer Modification

- External System and Origin System: EXTSYS
- Source Operation: ModifyCustomer
- Service Name: FCUBSCustomerService
- Operation Code: ModifyCustomer
- For each node, set New, Delete, and All Records as Y

12. On **Home** screen, specify **GWDAMDMT**, and click **Next** arrow.

The **Gateway Amendment Maintenance** screen displays.

Figure 1-12 Gateway Amendment Maintenance



Node: STTMS_CUSTOMER

- ACCESS_GROUP
- ADDRESS_LINE1
- ADDRESS_LINE2
- ADDRESS_LINE3
- ADDRESS_LINE4
- CIF_STATUS
- COUNTRY
- CUSTOMER_CATEGORY
- CUSTOMER_NAME1
- CUSTOMER_NAME2
- CUST_CLASSIFICATION
- CUST_GROUP
- FULL_NAME
- KYC_DETAILS
- KYC_REF_NO
- LANGUAGE
- LOCAL_BRANCH
- NATIONALITY
- PINCODE
- SHORT_NAME
- SHORT_NAME2
- UNIQUE_ID_NAME
- UNIQUE_ID_VALUE

Node: STTMS_CUSTOMER__A

- ADDRESS_LINE1
- ADDRESS_LINE2
- ADDRESS_LINE3
- COUNTRY
- CUSTOMER_NAME1
- JOINT_VENTURE
- KYC_DETAILS
- KYC_REF_NO
- LANGUAGE
- NATIONALITY
- PINCODE
- UNIQUE_ID_NAME
- UNIQUE_ID_VALUE

Node: STTMS_CUST_DOMESTIC

- ACCOMODATION
- DEPENDENT_CHILDREN
- DEPENDENT_OTHERS
- EDUCATIONAL_STATUS
- MARITAL_STATUS
- MOTHER_MAIDEN_NAME
- SPOUSE_EMP_STATUS
- SPOUSE_NAME
- STTMS_CUST_PERSONAL
- BIRTH_COUNTRY
- CUSTOMER_NO
- CUSTOMER_PREFIX
- CUSTOMER_PREFIX1
- CUSTOMER_PREFIX2
- CUST_COMM_MODE
- DATE_OF_BIRTH
- D_ADDRESS1
- D_ADDRESS2
- D_ADDRESS3
- D_ADDRESS4
- D_COUNTRY
- D_PINCODE

- E_MAIL
- FAX
- FAX_ISD_NO
- FIRST_NAME
- HOME_TEL_ISD
- HOME_TEL_NO
- LAST_NAME
- LEGAL_GUARDIAN
- MIDDLE_NAME
- MINOR
- MOBILE_NUMBER
- MOB_ISD_NO
- PASSPORT_NO
- PLACE_OF_BIRTH
- PPT_EXP_DATE
- PPT_ISS_DATE
- P_ADDRESS1
- P_ADDRESS2
- P_ADDRESS3
- P_ADDRESS4
- P_COUNTRY
- P_NATIONAL_ID
- P_PINCODE
- RESIDENT_STATUS
- SEX
- TELEPHONE
- TEL_ISD_NO
- US_RES_STATUS
- VST_US_PREV

Node: STTMS_CUST_PERSONAL__A

- CUST_COMM_MODE
- E_MAIL
- FAX
- FAX_ISD_NO
- MOBILE_NUMBER
- MOB_ISD_NO
- TELEPHONE

- TEL_ISD_NO
- STTMS_CUST_PROFESSIONAL
- CCY_PERS_INCEXP
- CREDIT_CARDS
- DESIGNATION
- EMPLOYER
- EMPLOYMENT_STATUS
- EMPLOYMENT_TENURE
- E_ADDRESS1
- E_ADDRESS2
- E_ADDRESS3
- E_ADDRESS4
- E_COUNTRY
- E_EMAIL
- E_TELEPHONE
- HOUSE_VALUE
- INSURANCE
- LOAN_PAYMENT
- OTHER_EXPENSES
- OTHER_INCOME
- PINCODE
- PREV_DESIGNATION
- PREV_EMPLOYER
- RENT
- RETIREMENT_AGE
- SALARY
- SALARY_FREQ

KYC Modification

- External System and Origin System: EXTSYS
- Source Operation: STDKYCMN_MODIFY
- Service Name: FCUBSSTService
- Operation Code: ModifyKYCDetails
- For each node, set New, Delete, and All Records as Y

Node: STTMS_KYC_COMPL_AUDIT_DTL

- ACTIVITY_STP_CD
- ACTIVITY_STP_CD_REASON
- CB_RESPONSE

- CB_RESPONSE_DATE
- CIS_NUMBER
- DAIRY_NOTE
- NAME
- STR_DATE
- STR_RAISED
- STR_REF_NO

Node: STTMS_KYC_CORPORATE

- ACC_PURPOSE
- ACC_SOLICITED
- ACC_SOLICITED_DATE
- ANNUAL_TURNOVER
- APPROVER_COMMENTS
- AUDIT_DATE
- BORROW_ACC_GRP
- BUSINESS_APPROVAL
- BUSINESS_NATURE
- COMPANY_TYPE
- COMPLIANCE_CLEARANCE
- EMPLOYEE_NUMBER
- FUNDS_SOURCE
- GROUP_NAME
- INTRODUCER_DTL
- KYC_AMTS_CCY
- KYC_COMMENTS
- KYC_NXT_REVIEW_DATE
- LOCAL_ABROAD_BRN
- OTHR_COMPANY_TYPE
- OTHR_SALARY_MODES
- PARENT_CMPNY_COUNTRY
- SALARY_MODE

Node: STTMS_KYC_CORP_CLIENT

- COUNTRIES
- PAYMENT_MODE

Node: STTMS_KYC_CORP_KEYPERSONS

- ADDRESS
- ADDRESS_COUNTRY

- BIRTH_COUNTRY
- DATE_OF_BIRTH
- ISD_CODE
- NATIONALITY
- OWNERSHIP_TYPE
- PLACE_OF_BIRTH
- POSITION_OR_TITLE
- RELATIONSHIP
- SHARE_HOLDING
- TAX_CNTRY
- TEL_NO
- TIN

Node:STTMS_KYC_CORP_SUPPLIER

- COUNTRIES
- SETTLEMENT_MODE

Node:STTMS_KYC_FINANCIAL

- BANK_ADDRESS
- COUNTRY
- KYC_AMTS_CCY

Node:STTMS_KYC_MASTER

- CRS_TYPE
- KYC_DESC
- RISK_LEVEL

Node:STTMS_KYC_MGMNT_DTL

- DESIGNATION

Node: STTMS_KYC_RETAIL

- ACC_PURPOSE
- ACC_TYPE
- APPROVER_COMMENTS
- BIRTH_COUNTRY
- BIRTH_DATE
- BIRTH_PLACE
- BUSINESS_INCOME
- DECLARED
- FAX_ISD_NO
- FAX_NO
- HOME_ADDR_COUNTRY

- HOME_COUNTRY_ADDR
- INVESTMENT_INCOME
- KYC_AMTS_CCY
- KYC_COMMENTS
- KYC_NXT_REVIEW_DATE
- LOCAL_ADDR
- LOCAL_ADDR_COUNTRY
- MOBILE_TEL_NO
- MOB_ISD_NO
- NATIONALITY
- OFFICE_TEL_NO
- OFF_TEL_ISD_NO
- OTHR_ACC_PURPOSE
- OTHR_INCOME_SOURCES

Node:STTMS_KYC_SHARE_HOLDERS

- ADDRESS
- CITY
- COUNTRY
- HOLDING

Node:STTMS_KYC_TXN_DETAILS

- COUNTRIES
- COUNTRY_PURPOSE
- MAX_COUNT
- PURPOSE
- SINGLE_MAX_AMT
- TOTAL_AMT

Node:STTMS_KYC_TXN_PRODUCTS

- MONTHLY_AMT
- NO_OF_TXN_MONTHLY
- RATING

> **Note:**
>
> Additional fields may be present keeping future scope/assumptions.

1.2 Maintenance for Party Services

This topic describes the maintenance for Party Services.

Specify **User ID** and **Password**, and login to **Home** screen.

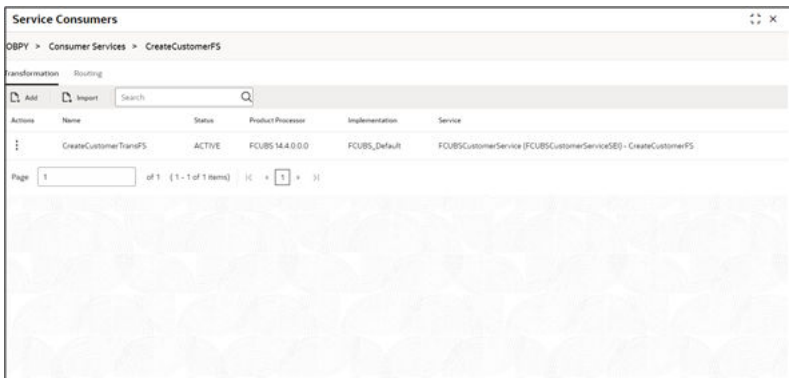
Maintain Oracle Banking Routing Hub configuration in common core for FLEXCUBE Universal Banking.

> **Note:**
>
> Refer to **Routing Hub Configuration User Guide** for a detailed explanation.

1. On **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**.
2. Under **Routing Hub**, click **Service Consumers**.

   The **Service Consumers** screen displays.

Figure 1-13 Service Consumers



3. Click **Import** and upload the OBPY_Consumer.json file provided in the release.
4. Click **Extract**.
5. Select **FCUBS** and click **Import**.
6. Click **OBPY**.
7. Under **OBPY**, click **FCUBS**.
8. Click **Edit**.
9. Change the host and port as per the FLEXCUBE Universal Banking Soap WebService installation and save it.
10. Consumer services in the JSON will be imported.
11. Post importing, please check the request transformation in the below listed Consumer Services. The Entity code must be changed to the value set in FLEXCUBE Universal Banking or the value can be nullified.

    For example, the request transformation will have the following typical line.
    `<fcub:ENTITY>$headers["entityId"][0]</fcub:ENTITY>`

Here the entity code in the OBPY is passed in runtime as `$headers["entityId"][0]`. This would not work if the entity code is different in FLEXCUBE Universal Banking.

The above line can be changed to

`<fcub:ENTITY>`***`entity_code_of_fcubs`***`</fcub:ENTITY> or <fcub:ENTITY></fcub:ENTITY>`

List of Consumer Services in Service Provider FCUBS

a. CreateSMBCustomerFS
b. CreateFICorporateCustomerFS
c. CreateSMECustomerFS
d. CreateCustomerFS
e. CreateCorporateCustomerFS
f. CreateKYCDetailsFS
g. ModifyCustomerFS
h. ModifySMECustomerFS
i. ModifyStructuredAddressFS
j. ModifySMBCustomerFS
k. ModifyCorporateCustomerFS
l. ModifyFICustomerFS
m. QueryCustomerIO
n. QueryCustomerAccountBalance

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