

**Oracle FLEXCUBE Universal Banking
Integration Guide**

Oracle Banking Origination

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Oracle FLEXCUBE Universal Banking Integration Guide

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1 About this manual

1.1 Purpose

This guide is to help with Integration of Oracle Banking Origination Product with Oracle FLEXCUBE Universal Banking acting as the backend Product Processor.

1.2 Audience

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

Table 1: Audience

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

1.3 List of Topics

Table 2: Topics

Topics	Description
Integration Guide	This topic helps you to integrate Oracle Banking Origination with Oracle FLEXCUBE Universal Banking.

2 Integration Guide

2.1 Introduction

You can integrate Oracle Banking Origination with Oracle FLEXCUBE Universal Banking acting as the backend Product Processor through Oracle Banking Routing Hub. This document briefs you about the specific steps needed for integration of these two products and specific maintenances.

Prerequisite

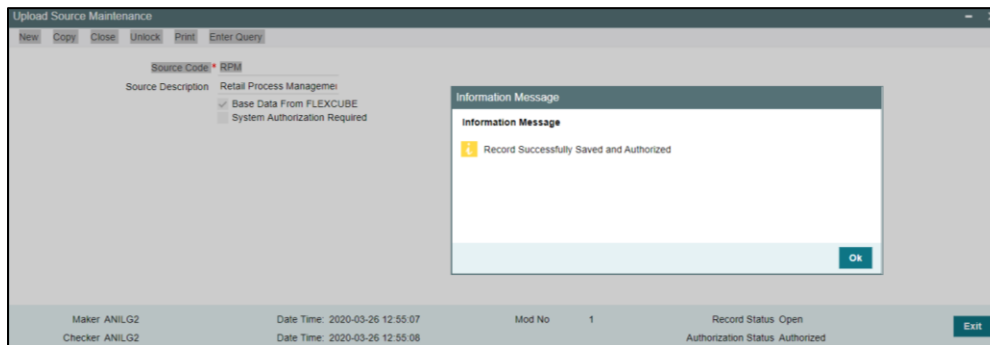
Specify **User Id** and **Password**, and login to **Oracle FLEXCUBE Universal Banking Home** screen.

2.2 Maintenance for Oracle FLEXCUBE Universal Banking

Gateway setup should be done in Oracle FLEXCUBE Universal Banking for particular source system (Oracle Banking Origination) by doing maintenance in the below mentioned screens.

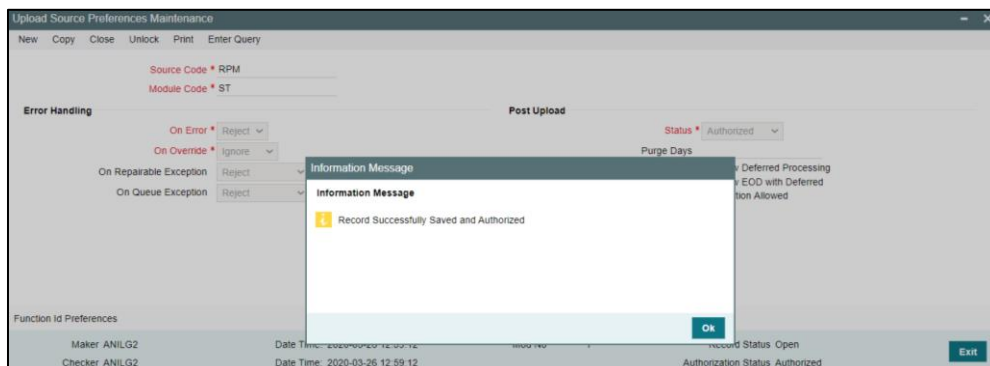
1. CODSORCE – Upload Source Maintenance

Figure 1: Upload Source Maintenance



2. CODUPLDM – Upload Source Preferences Maintenance – For modules CL and ST

Figure 2: Upload Source Preferences Maintenance



3. GWDETSYS – External System Maintenance

Figure 3: External System Maintenance

The screenshot displays the 'External System Maintenance' window. It includes a 'Save' button at the top left. The 'External System' section shows 'RPM' as the system name and 'RPM_EXTERNAL_SYSTEM' as the description. The 'Correlation Pattern' is set to 'Message ID'. The 'Message Exchange Pattern' section has 'Request Message' and 'Response Message' both set to 'Full Screen', and a checked box for 'XSD Validation Required'. The 'Queue' section includes 'Default Response Queue', 'Dead Letter Queue', and a checkbox for 'Register Response Queue Message Id'. At the bottom, the 'External System Queues' table lists 'MDB_QUEUE' and 'MDB_QUEUE_RESPONS'.

4. GWDETFUN – External System Functions – for below function and actions.

Table 3: Function IDs

Function ID	Action
STGCUSAC	NEW
STGCUSTD	NEW
STQTDSIM	VIEW
CLGACCNT	NEW
CLGSIMNT	VIEW
CLQPRMNT	VIEW
CLVPRMNT	VIEW
STQACLIC	VIEW
STQACUVL	VIEW
STVACCLS	VIEW
STGCRLIB	NEW
STQLMBAL	VIEW
STGCOLAT	NEW
STGCRLIK	NEW

Figure 4: External System Functions

The screenshot shows the 'External System Functions' window. It has a menu bar with 'New', 'Copy', 'Close', 'Print', and 'Enter Query'. The main area contains fields for 'External System * RPM', 'Function * STGCUSAC', 'Action * NEW', 'Service Name FCUSSAccService', and 'Operation Code CreateCustAcc'. There is a 'Bulk SMS Check' checkbox. An 'Information Message' dialog box is open in the center, displaying 'Record Successfully Saved and Authorized' with an 'Ok' button. The bottom status bar shows 'Maker ANILG2', 'Checker ANILG2', 'Date Time: 2020-03-26 13:13:39', 'Mod No 1', 'Record Status Open', and 'Authorization Status Authorized'. An 'Exit' button is in the bottom right corner.

5. SMDROLD – Role Definition – The function ids in above Table 4 needs to be added to the correct role. This role needs to be mapped with Oracle FLEXCUBE Universal Banking user which is configured in the PLATO PROPERTIES table of Oracle Banking Origination.

Figure 5: Role Maintenance

The screenshot shows the 'Role Maintenance' window. It has a menu bar with 'New', 'Copy', 'Close', 'Unlock', 'Print', and 'Enter Query'. The main area shows 'Role Id * ALLROLES' and 'Role Description all roles'. There is a 'Centralisation Role' checkbox. The bottom status bar shows 'Maker PRANAV2', 'Checker PRANAV2', 'Date Time: 2000-07-03 12:14:47', 'Date Time: 2000-07-03 12:14:55', 'Mod No 25', 'Record Status Open', and 'Authorization Authorized Status'. An 'Exit' button is in the bottom right corner.

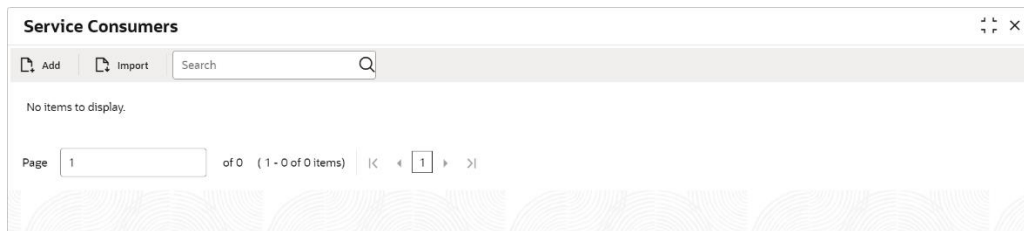
2.3 Maintenance for Oracle Banking Origination

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

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

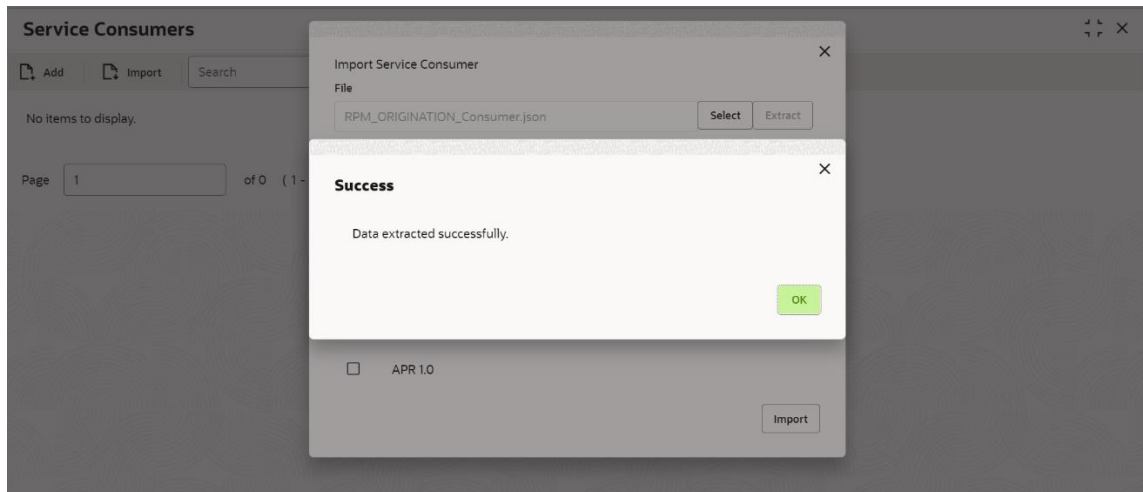
→ The **Service Consumers** screen is displayed.

Figure 6: Service Consumers



3. Click **Import** and upload the RPM_ORIGINATION_Consumer.json file provided in the release and click **Extract**.

Figure 7: Success



4. Select **FCUBS** and click **Import**.

Figure 8: Confirmation

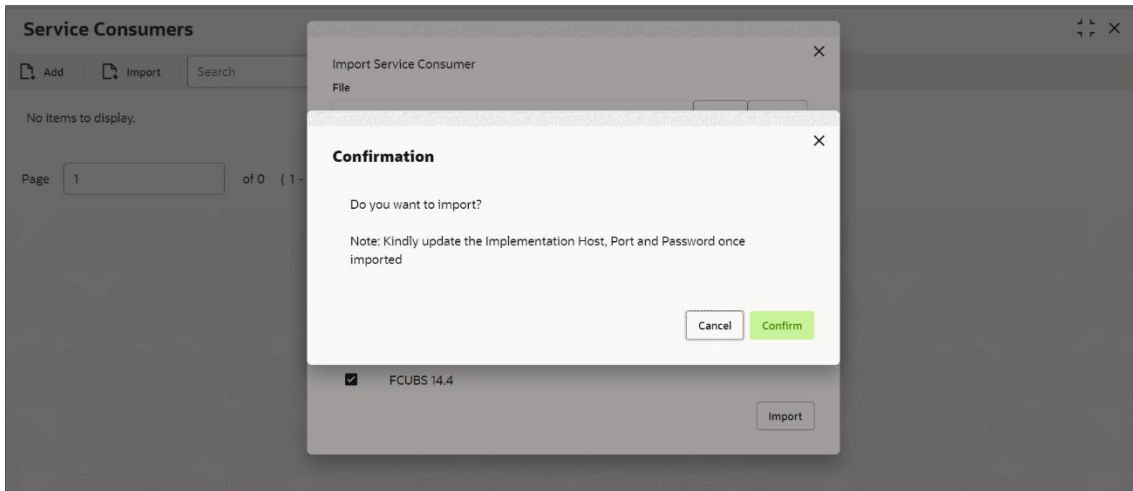
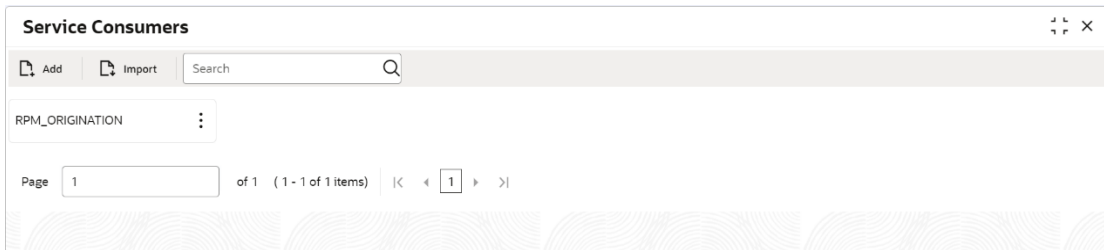


Figure 9: RPM Origination



5. Click **RPM_ORIGINATION**.
6. Under **RPM_ORIGINATION**, click **FCUBS**.

Figure 10: RPM Origination

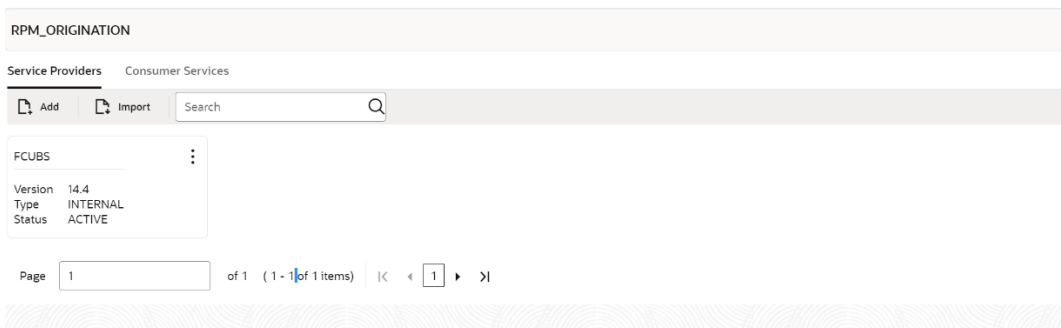
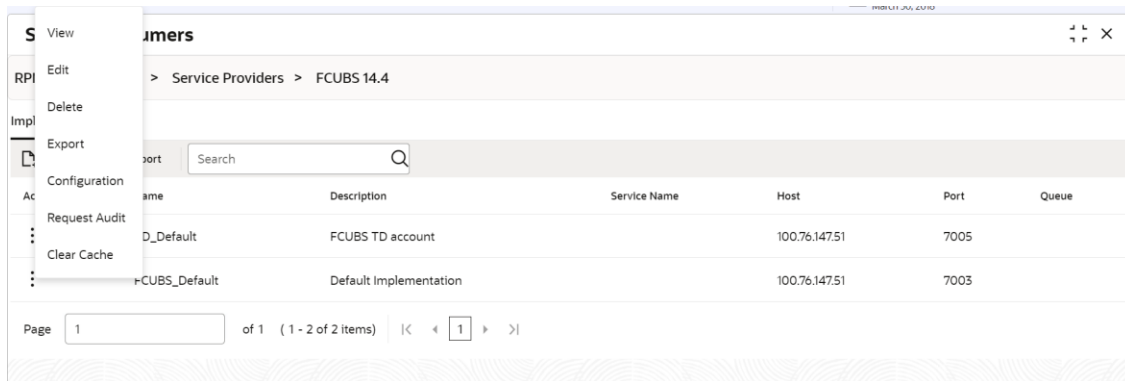
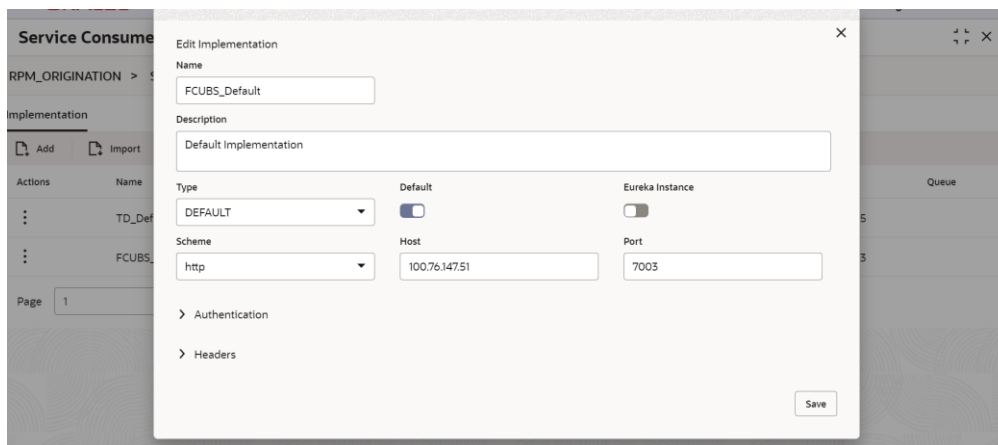


Figure 11: RPM Origination

7. Click **Edit**.
8. Change the host and port as per the Oracle FLEXCUBE Universal Banking installation and save it.

Figure 12: Edit Implementation

9. Repeat the same for all the FCUBS Service Providers

The below consumer services will be imported.

Consumer Service	Description
Collateral_Creation	Usage: Create Local Collateral Service: FCUBSCoreService Operation: CreateLocalCollateral
Liability_Creation	Usage: Create Liability Service: FCUBSCoreentitiesService

	Operation: CreateLiability
Customer_Liability_Linkage	Usage: Create Customer Liability Service: FCUBSCoreentitiesService Operation: CreateCustomerLiab
CASA_Account_Creation	Usage: Create CASA Account Service: FCUBSAccService Operation: CreateCustAcc
Loan_Simulation	Usage: Perform Loan Account Simulation Service: FCUBSCLService Operation: CreateAccountSim
TD_Simulation	Usage: Perform Term Deposit Account Simulation Service: FCUBSAccService Operation: QueryTDCustAccSim
Get_Liability_Interest_Details	Usage: Fetch Liability Interest and Charge Details Service: FCUBSSTService Operation: QueryAccClasUde
Get_Liability_Product_Details	Usage: Fetch Liability Product Details Service: FCUBSSTService Operation: QueryAccClasQuery
Get_Loan_Product_Details	Usage: Fetch Loan Product Details Service: FCUBSCLService Operation: QueryProduct

List_All_Loan_Products	Usage: List Loan Products Service: FCUBSCLService Operation: SummaryQueryProduct
List_All_Liability_Products	Usage: List Liability Products Service: FCUBSSTService Operation: SummaryQueryAccClasMaint
TD_Account_Creation	Usage: Create Term Deposit Account Creation Service: FCUBSAccService Operation: CreateTDCustAcc
Loan_Account_Creation	Usage: Create Loan Account Creation Service: FCUBSCLService Operation: CreateAccount
Get_Customer_Liability_Details	Usage: Fetch Customer Limit Details Service: FCUBSSTService Operation: QuerySTCustLimitDet
Get_Liability_Details	Usage: Fetch Liability Details Service: FCUBSCoreentitiesService Operation: QueryLiability
fetchTDAccount	Usage: Fetch TD accounts which are tagged as “Collateral Linkage”, for a particular customer number. This will be used for attaching TD accounts as collaterals in Oracle Banking Origination screens Service: fcubs-co-mo-lov-service

	Note: Make sure that the above service is deployed in FCUBS. Also make sure that the following INC which is released as part of FCUBS is present in CSTB_LOV_INFO table. 20211112_1735420 82_36_CSZB_LOV_INI
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NOTE: Refer PDF attachments for downloading the file.

2.4 Maintenance for Product Processor as environment variable

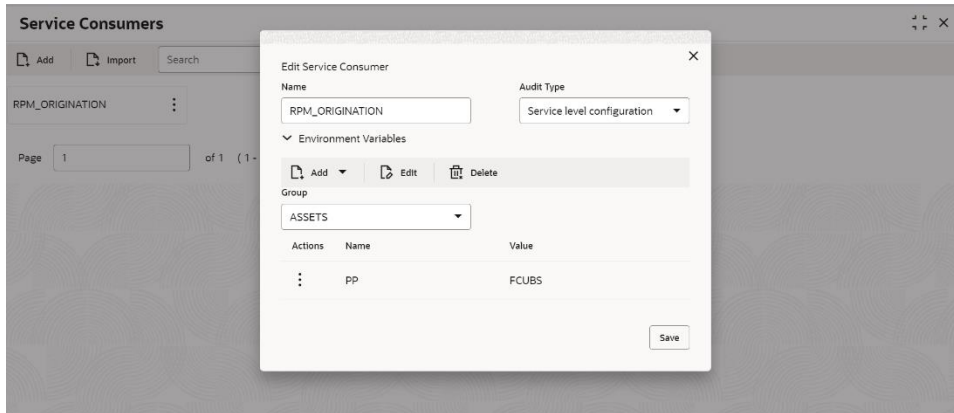
1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**.
2. Under **Routing Hub**, click **Service Consumers**.
3. Click **Edit**.

Figure 13: Edit Service Consumer

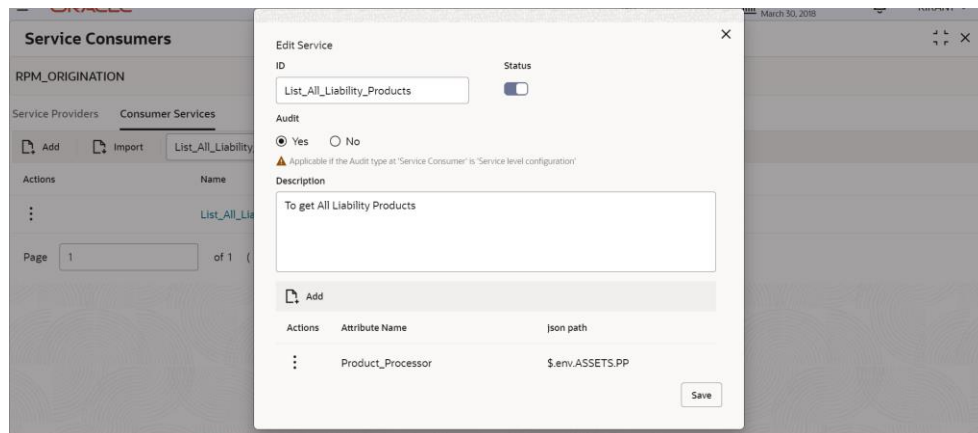
4. Under Environment Variables, add **ASSETS** as new group.

Figure 14: Add Group

5. Add **PP** as new variable, **FCUBS** as value and **save** it.

Figure 15: Add Variable

6. Click **RPM_ORIGINATION**.
7. Under **RPM_ORIGINATION**, click **Consumer Services**.
8. Follow below steps for all consumer services mentioned in point number 10 of 2.2 section.
 - a. Search **List_All_Liability_Products**.
 - b. Click **Edit**.
 - c. Add **Product_Processor** as new attribute, add json path and **save** it.

Figure 16: Add Attribute

- d. Click on **List_All_Liability_Products** Consumer service.
- e. Click on **Routing**.
- f. Click on **Edit** for List_All_Liability_Products_Route route.

- g. Click on **Custom Rule**. Click on **Expression Editor**.
- h. Add Product_Processor as attribute (point 8.c) & “FCUBS” as value (point 5). **Save** it.

Figure 17: Expression Editor

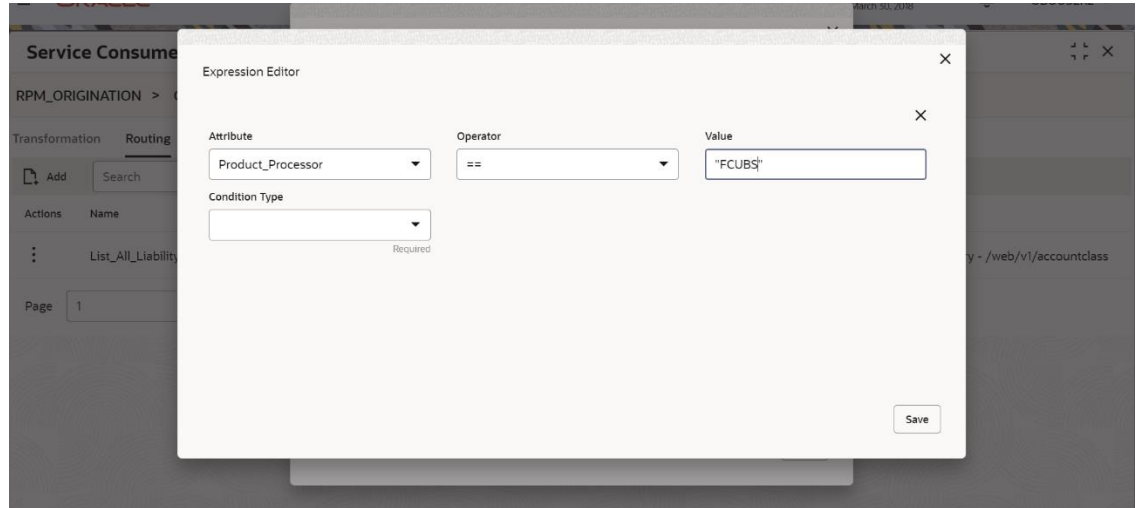
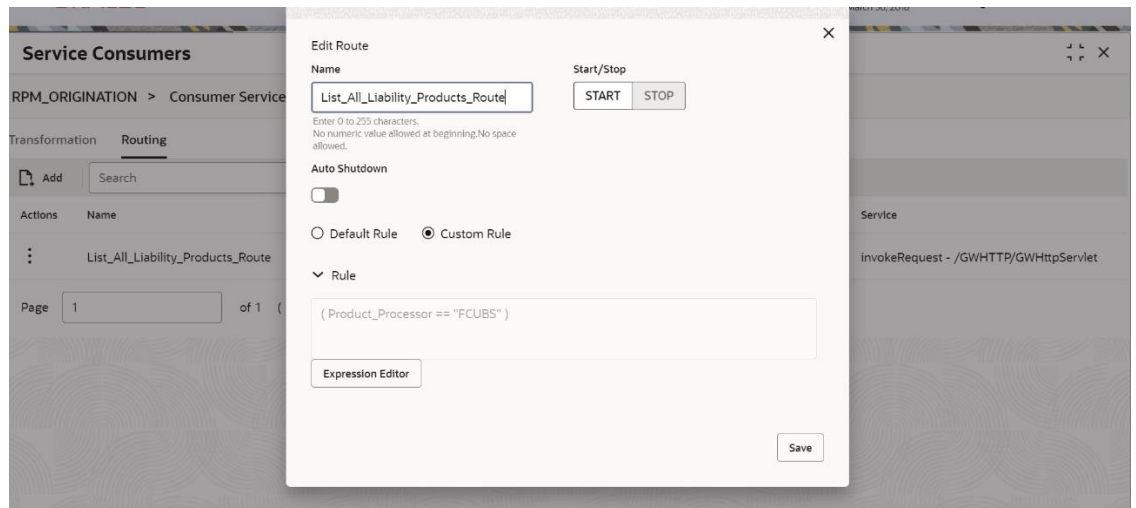


Figure 13: Saved Expression



- i. **Save** it.

Figure 14: Saved Route

Service Consumers						
RPM_ORIGINATION > Consumer Services > List_All_Liability_Products						
Transformation Routing						
 Add Search 						
Actions	Name	Start/Stop	Rule	Product Processor	Implementation	Service
⋮	List_All_Liability_Products_Route		{ Product_Processor == "FCUBS" }	FCUBS 14.4	FCUBS_Default	invokeRequest - /GWHHTTP/GWHttpServlet
Page 1 of 1 (1 - 1 of 1 items)   1   						