

**Oracle FLEXCUBE Universal Banking -
Oracle Banking Origination Integration
Guide**

Oracle FLEXCUBE Universal Banking
Release 14.7.1.0.0

Part Number F77194-01

May 2023

Oracle FLEXCUBE UBS - Oracle Banking Origination Integration Guide

Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway

Goregaon (East)

Mumbai, Maharashtra 400 063

India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

<https://www.oracle.com/industries/financial-services/index.html>

Copyright © 2018, 2023 Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are “commercial computer software” pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited. The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1	About this manual	1
1.1	Purpose	1
1.2	Audience	1
1.3	List of Topics	1
2	Integration Guide	2
2.1	Introduction	2
2.2	Maintenance for Oracle FLEXCUBE Universal Banking	2
2.3	Maintenance for Oracle Banking Origination	6
2.4	Maintenance for Product Processor as environment variable	6

1 About this manual

1.1 Purpose

This guide is to help with the Integration of the 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 the integration of these two products and specific maintenance.

Prerequisite

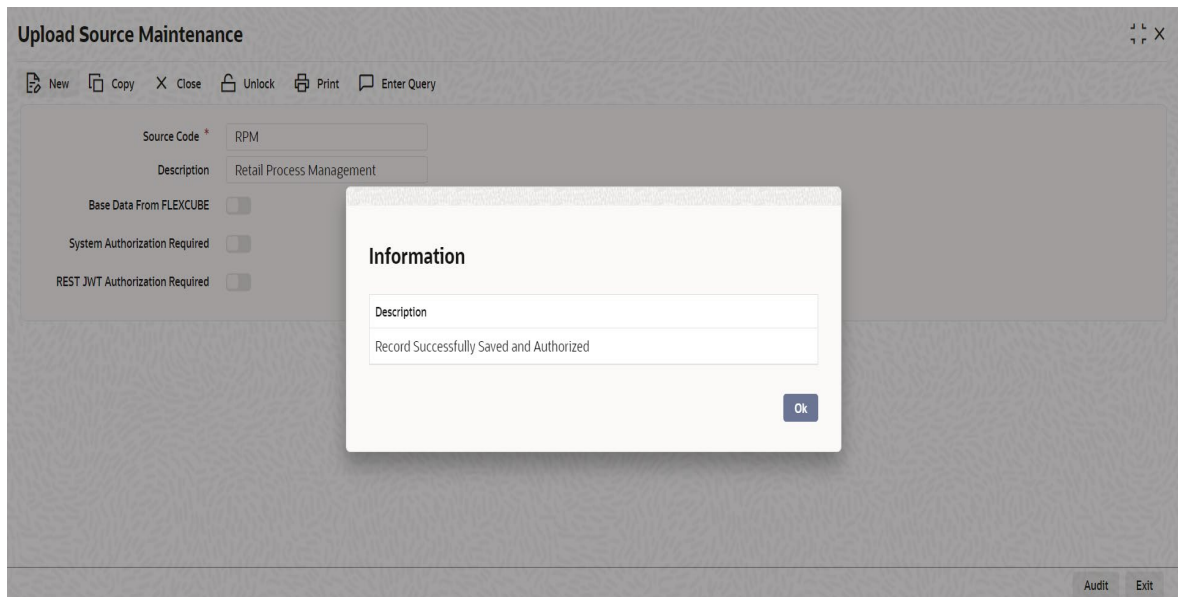
Specify your **User Id** and **Password**, and log in to the **Oracle FLEXCUBE Universal Banking Home** screen.

2.2 Maintenance for Oracle FLEXCUBE Universal Banking

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

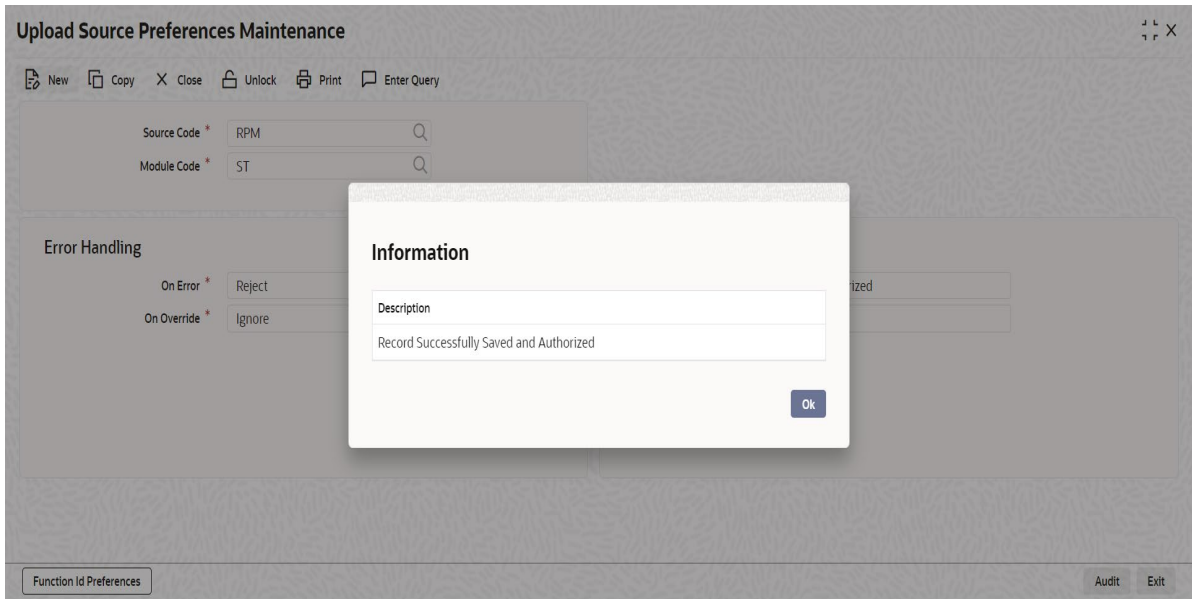
1. CODSORCE – Upload Source Maintenance

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

4. GWDEFUN – 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

Function ID	Action
STGCOLAT	NEW
STGCRLIK	NEW

Figure 4: External System Functions

The screenshot shows a web-based form titled "External System Functions". At the top left, there is a "Save" button. The form is divided into two main sections. The left section contains several input fields: "External System" (with a search icon), "Function" (with a search icon), "Action", "Service Name", and "Operation Code". The right section contains a "Description" text area and a "Bulk SMS Check" toggle switch. At the bottom of the form, there are three buttons: "Fields", "Audit", and "Cancel".

5. SMDROLDF – 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 a web-based form titled "Role Maintenance". At the top left, there are "New" and "Enter Query" buttons. The form is divided into two main sections. The left section contains three input fields: "Role Id" (with a search icon), "Role Description", and "Centralisation Role" (with a toggle switch). The right section is empty. At the bottom of the form, there is a navigation bar with buttons for "Maintenance", "Reports", "Batch", "Online", "Process Stage Rights", "Acc Class Restriction", "Branch Restriction", "Rights", "Web Branch", and "Fields". On the far right of the navigation bar, there are "Audit" and "Exit" buttons.

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**.

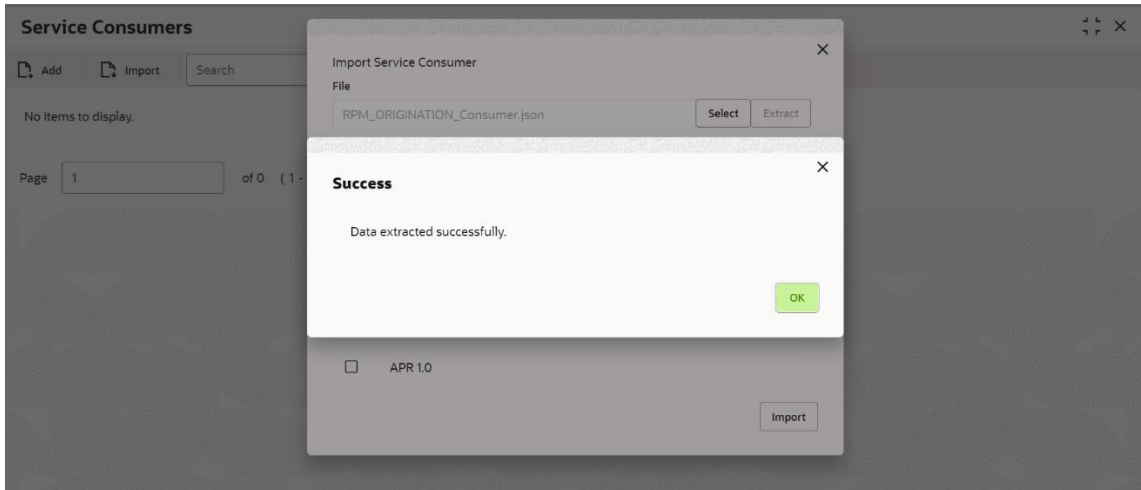
→ The **Service Consumers** screen is displayed.

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

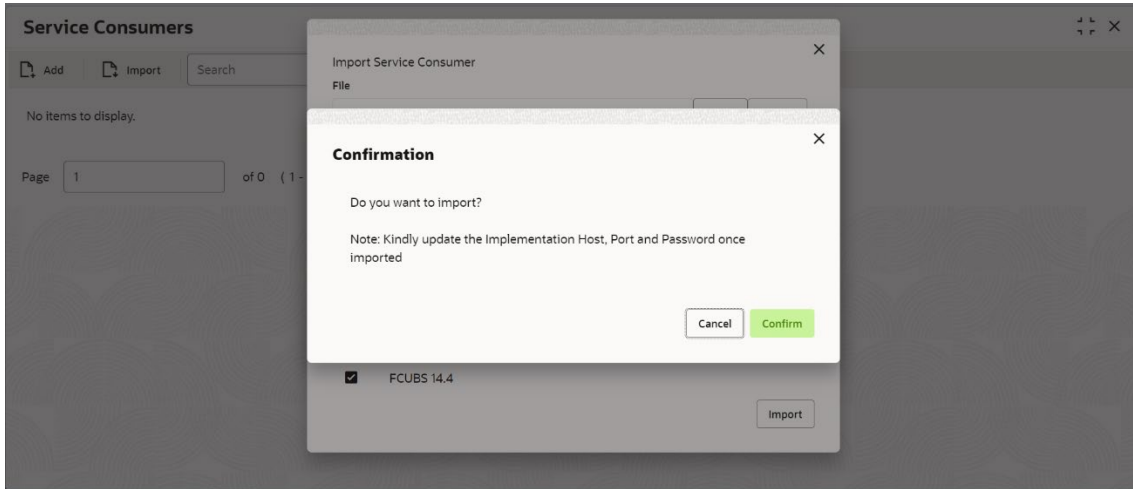
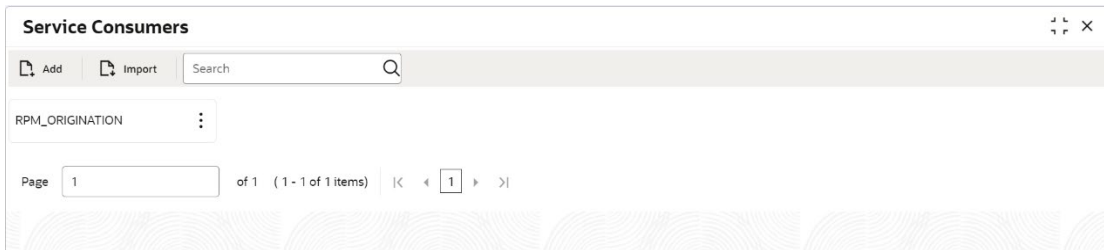


Figure 9: RPM Origination

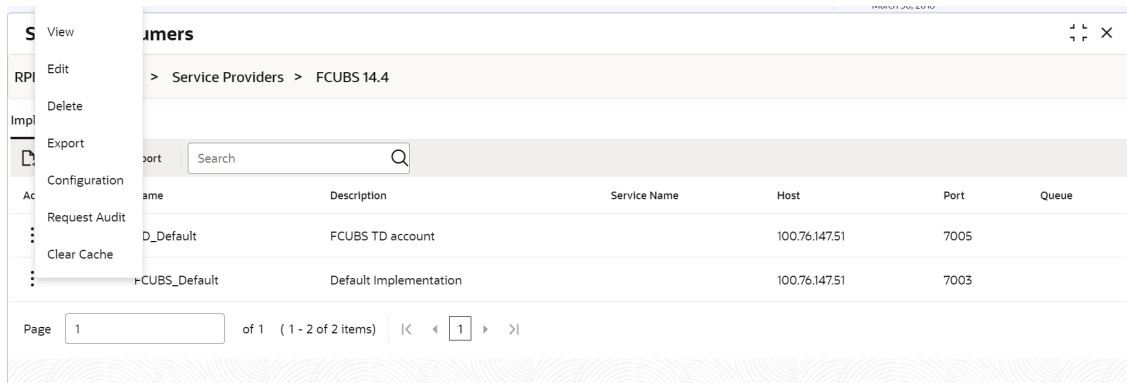


5. Click **RPM_ORIGINATION**.
6. Under **RPM_ORIGINATION**, click **FCUBS**.

Figure 10: RPM Origination

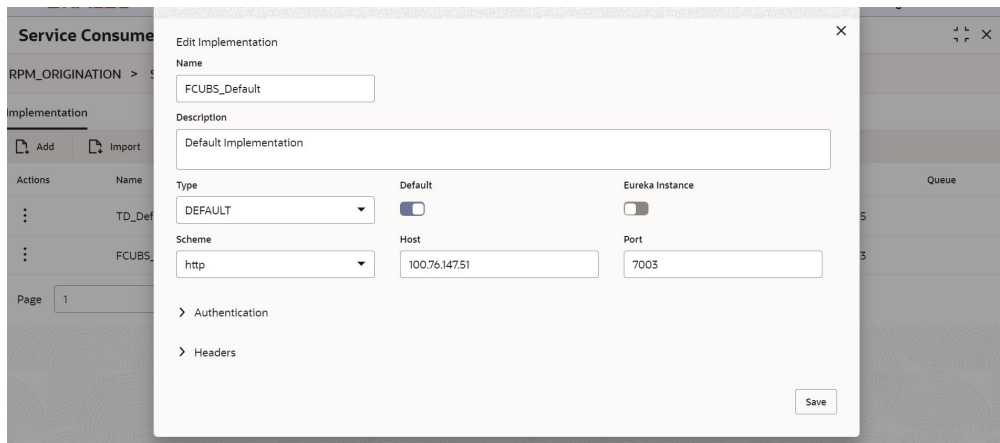


Figure 11: RPM Origination



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	<p>Usage: List Loan Products Service: FCUBSCLService Operation: SummaryQueryProduct</p>
List_All_Liability_Products	<p>Usage: List Liability Products Service: FCUBSSTService Operation: SummaryQueryAccClasMaint</p>
TD_Account_Creation	<p>Usage: Create Term Deposit Account Creation Service: FCUBSAccService Operation: CreateTDCustAcc</p>
Loan_Account_Creation	<p>Usage: Create Loan Account Creation Service: FCUBSCLService Operation: CreateAccount</p>
Get_Customer_Liability_Details	<p>Usage: Fetch Customer Limit Details Service: FCUBSSTService Operation: QuerySTCustLimitDet</p>
Get_Liability_Details	<p>Usage: Fetch Liability Details Service: FCUBSCoreentitiesService Operation: QueryLiability</p>
fetchTDAccount	<p>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</p>

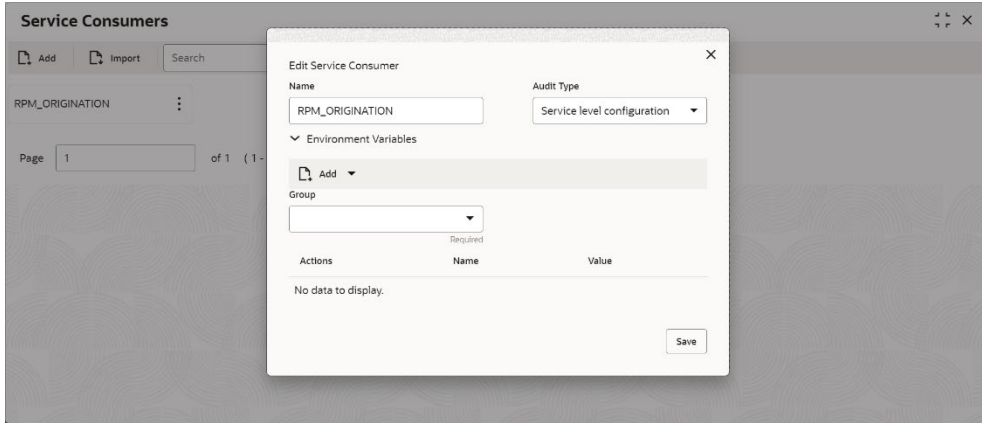
	<p>Note: Make sure that the above service is deployed in FCUBS. Also make sure that the following INC which is released as part of FCUBS is present in CSTB_LOV_INFO table.</p> <p> 20211112_1735420 82_36_CSZB_LOV_INI</p>
--	---

NOTE: Refer PDF attachments for downloading the file.

2.4 Maintenance for Product Processor as environment variable

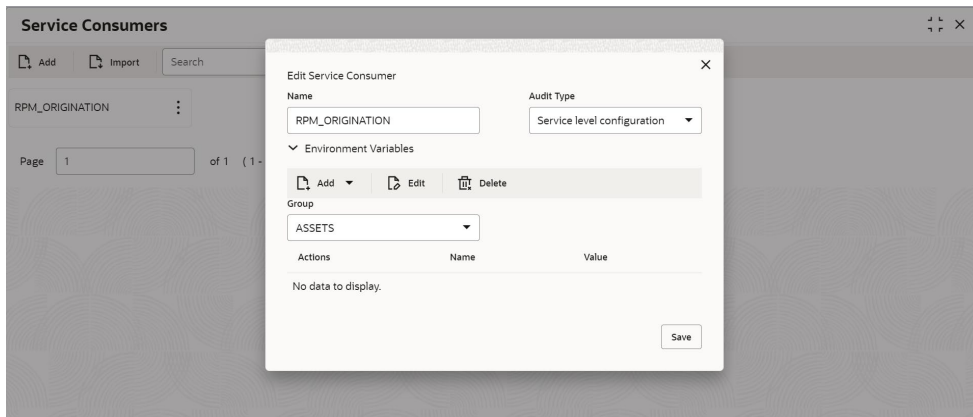
1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**.
2. Under **Routing Hub**, click **Service Consumers**.
3. Click **Edit**.

Figure 13: Edit Service Consumer



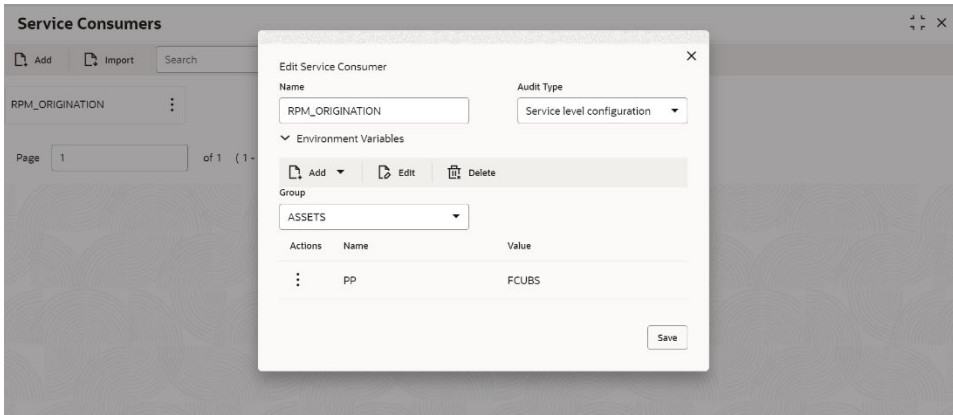
4. Under Environment Variables, add **ASSETS** as new group.

Figure 14: Add Group



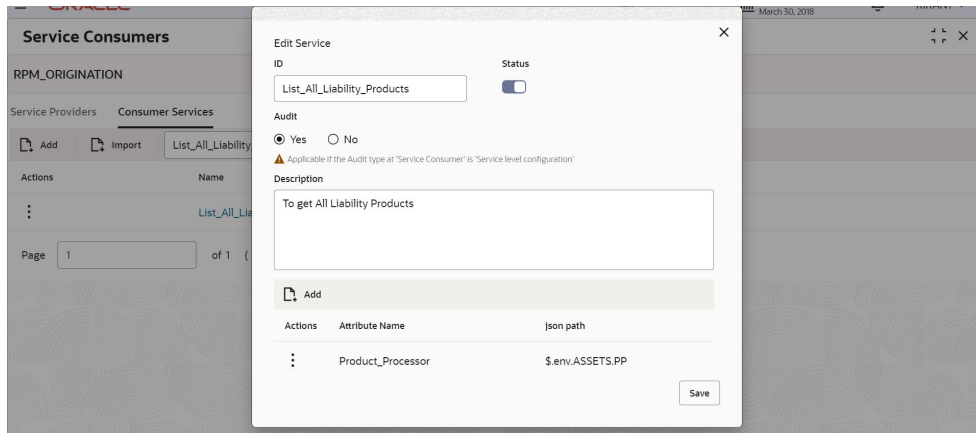
5. Add **PP** as new variable, **FCUBS** as value and **save** it.

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

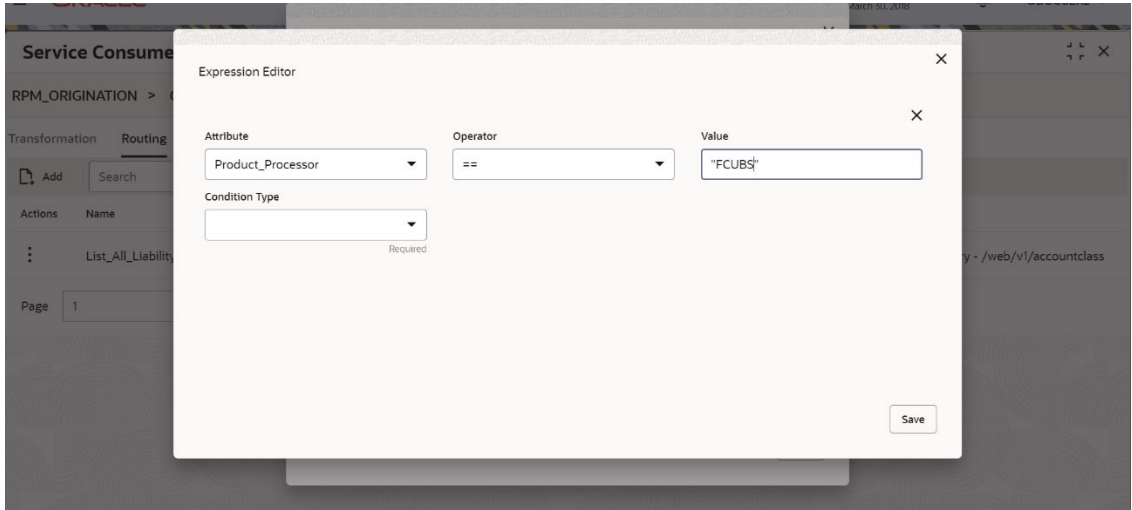
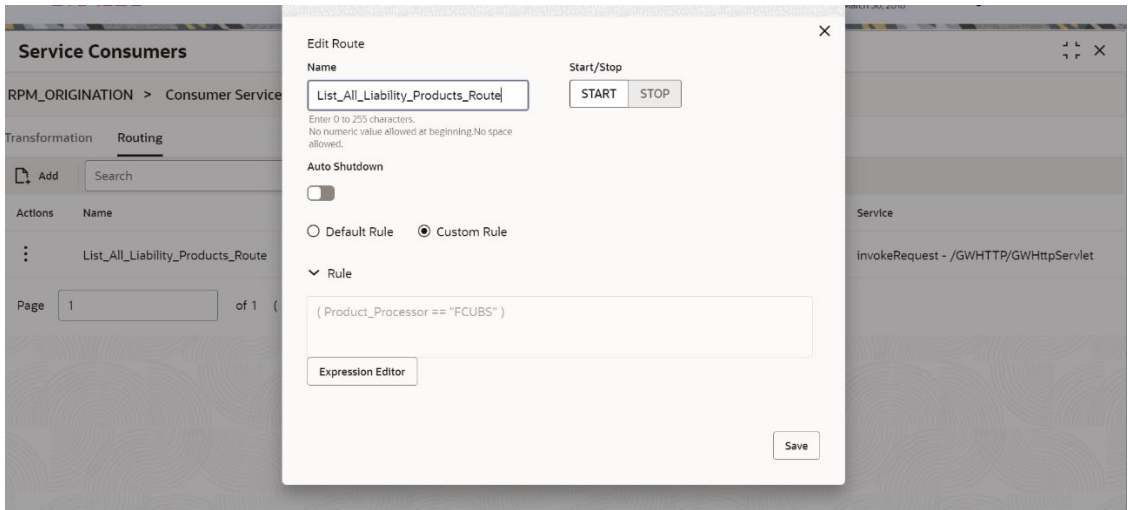


Figure 13: Saved Expression





- i. **Save** it.


Figure 14: Saved Route

Service Consumers ⌵ ⌵ ×

RPM_ORIGINATION > Consumer Services > List_All_Liability_Products

Transformation Routing

 Add 

Actions	Name	Start/Stop	Rule	Product Processor	Implementation	Service
⋮	List_All_Liability_Products_Route		(Product_Processor == "FCUBS")	FCUBS 14.4	FCUBS_Default	invokeRequest - /GWHTTP/GWHttpServlet

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