Oracle FLEXCUBE Universal Banking
Integration Guide

Oracle Banking Origination Cloud Services

Release 14.7.1.0.0

Part Number F86463-01

September 2023

ORACLE

Oracle FLEXCUBE Universal Banking 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 © 2022, 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.

ORACLE

Contents

1 Preface 1

1.1 Purpose 1

1.2 Audience 1

1.3 Document Accessibility 1

1.4 Diversity and Inclusion 1

1.5 Conventions 1

1.6 Screenshot Disclaimer 2

1.7 Related Documents 2

2 Integration Guide 3

2.1 Introduction 3

2.2 Maintenance for Oracle FLEXCUBE Universal Banking 3

2.3 Maintenance for Oracle Banking Origination 6

2.4 Maintenance for Product Processor as environment variable 12

1 Preface

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 Document Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.4 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.

1.5 Conventions

The following text conventions are used in this document:

Conventions	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.

Copyright @ 2023
All Rights Reserved

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.

1.6 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

1.7 Related Documents

The related documents are as follows:

- Bureau Integration Service Integration Guide
- Oracle Banking Branch Integration Guide
- Oracle Banking Digital Experience Integration Guide
- Oracle Banking Party Integration Guide
- Oracle Banking Credit Facility Process Management Integration Guide
- Decision Service Integration Guide
- FLEXCUBE Universal Banking-Party Services Integration Guide

Copyright @ 2023
All Rights Reserved

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

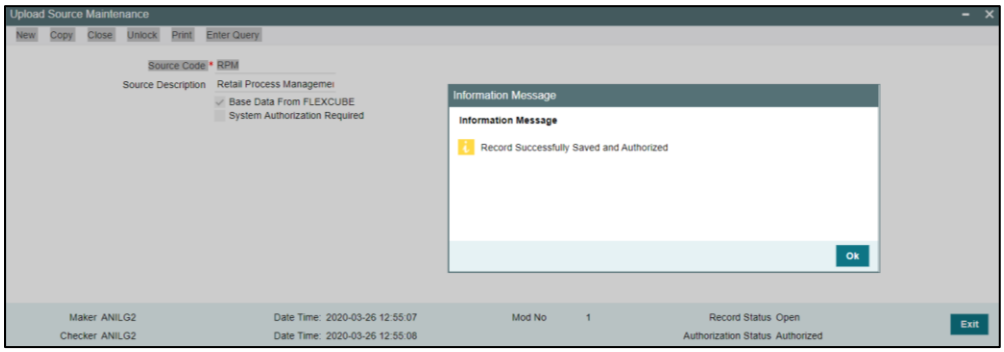
Specify **User Id** and **Password**, and login to **Oracle FLEXCUBE Universal Banking Home** screen.

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.

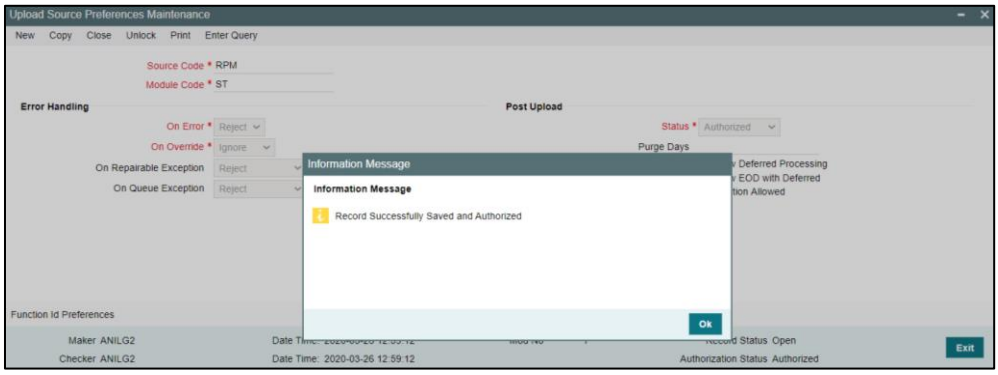
1. CODSORCE – Upload Source Maintenance

Figure 1: Upload Source Maintenance



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

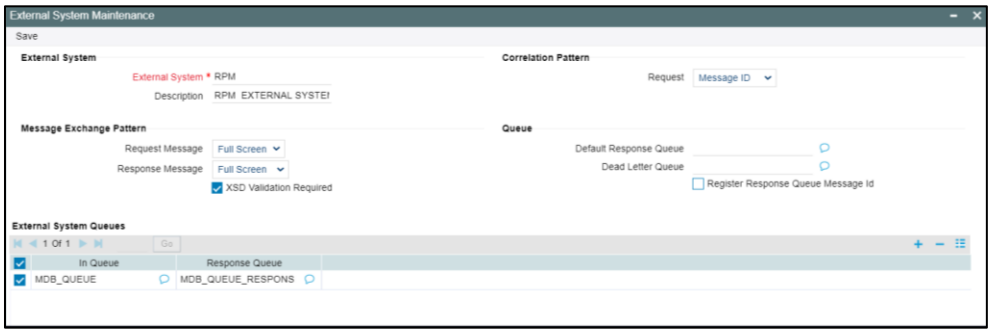
Figure 2: Upload Source Preferences Maintenance



Copyright @ 2023
All Rights Reserved

3. GWDETSYS – External System Maintenance

Figure 3: External System Maintenance



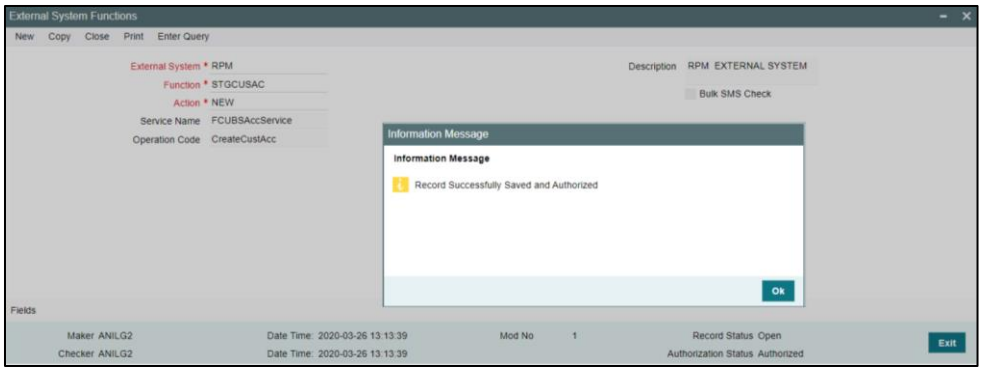
4. GWDETFUN – External System Functions – for below function and actions.

Table 2: 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

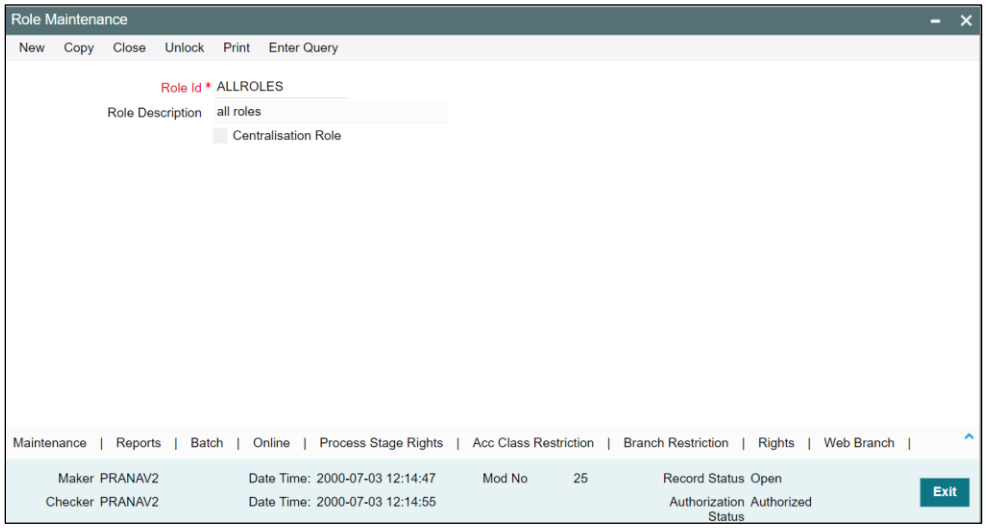
Copyright @ 2023
All Rights Reserved

Figure 4: External System Functions



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



Copyright @ 2023
All Rights Reserved

2.3 Maintenance for Oracle Banking Origination

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

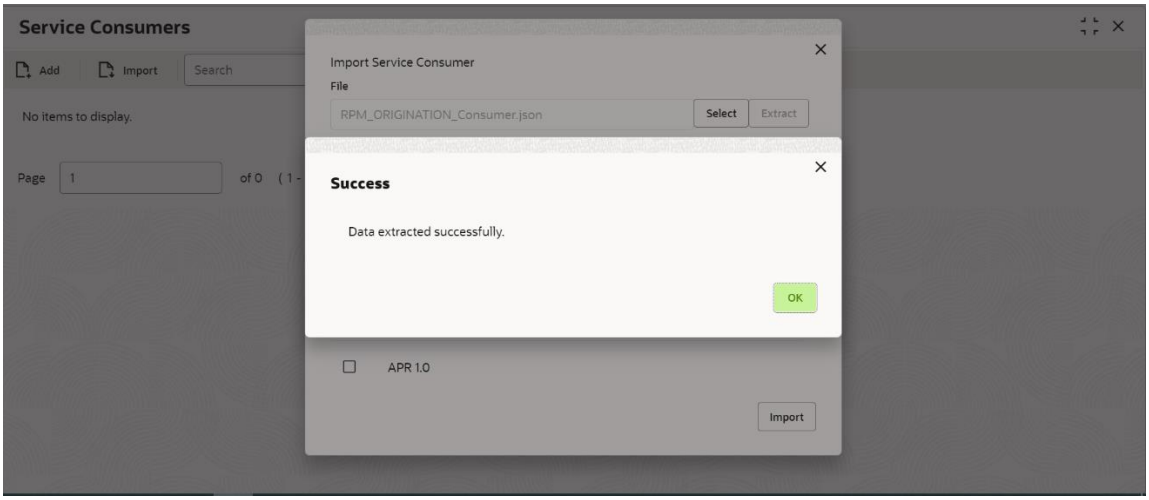
1. From **Home screen,** click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**.
2. Under **Routing Hub**, click **Service Consumers**.

   → 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



Copyright @ 2023
All Rights Reserved

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

Figure 8: Confirmation

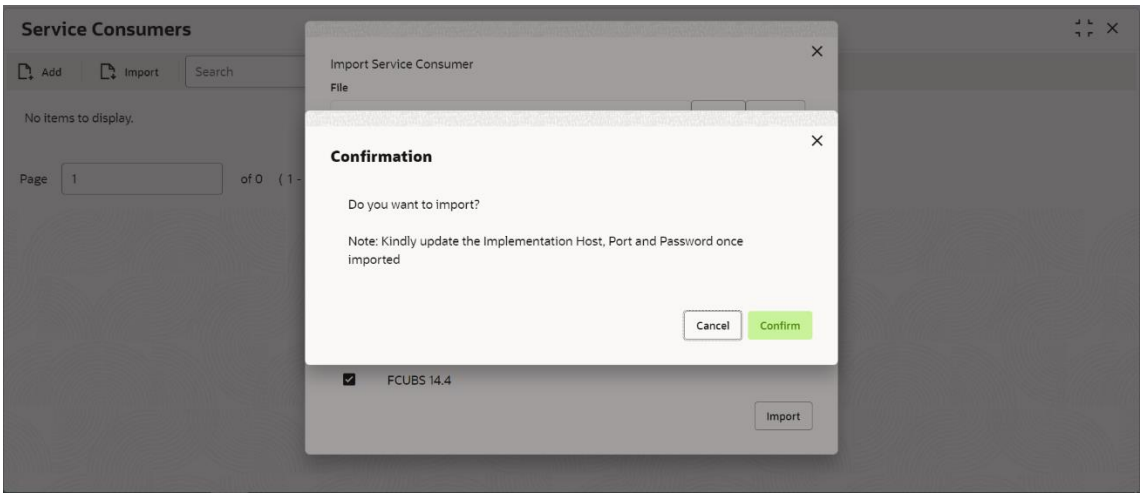


Figure 9: RPM Origination

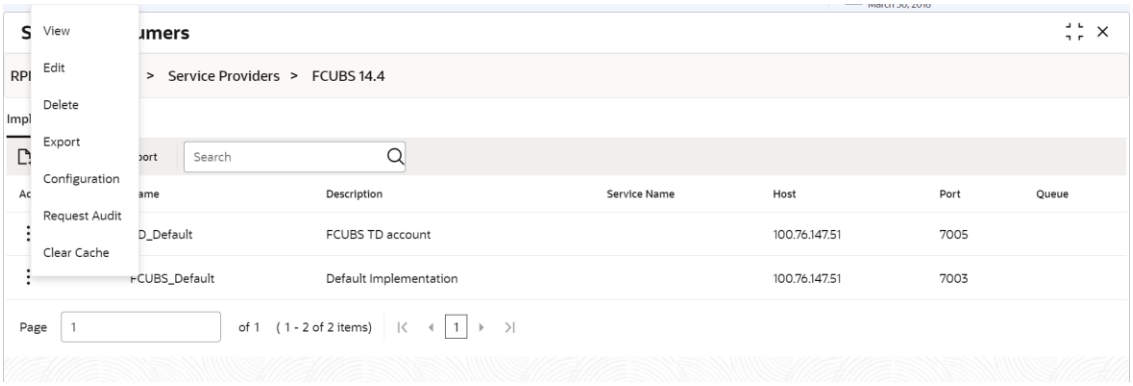
5. Click **RPM_ORIGINATION**.

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

Figure 10: RPM Origination

Copyright @ 2023
All Rights Reserved

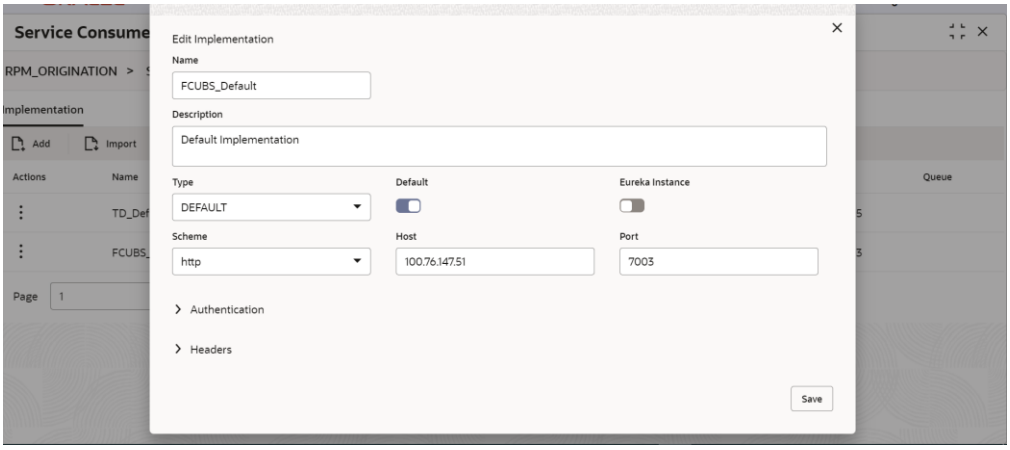
Figure 11: RPM Origination



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

Copyright @ 2023
All Rights Reserved

	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

Copyright @ 2023
All Rights Reserved

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

Copyright @ 2023
All Rights Reserved

	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_173542082_36_CSZB_LOV_INF

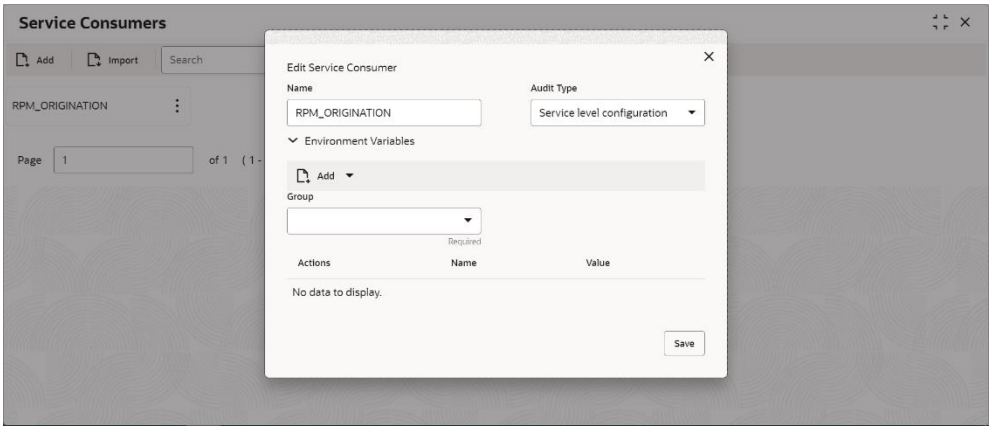
NOTE: Refer PDF attachments for downloading the file.

Copyright @ 2023
All Rights Reserved

2.4 Maintenance for Product Processor as environment variable

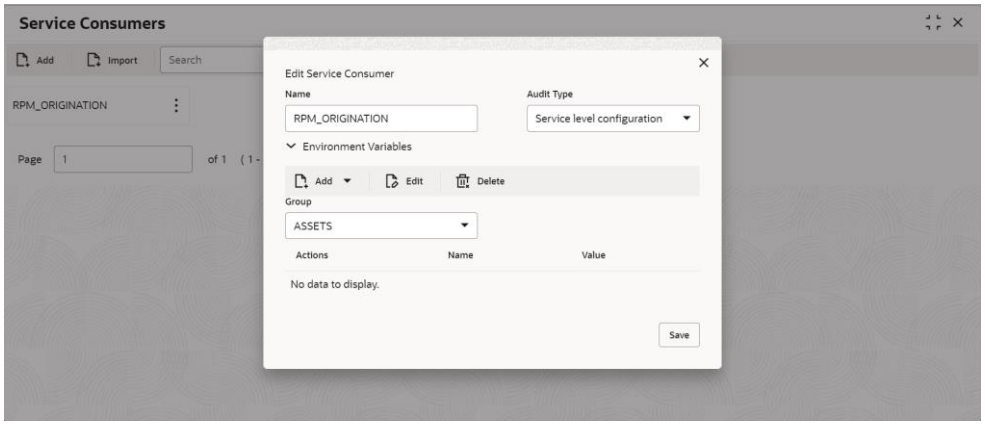
1. From **Home screen,** click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**.
2. Under **Routing Hub**, click **Service Consumers.**
3. Click **Edit.**

Figure 13: Edit Service Consumer



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

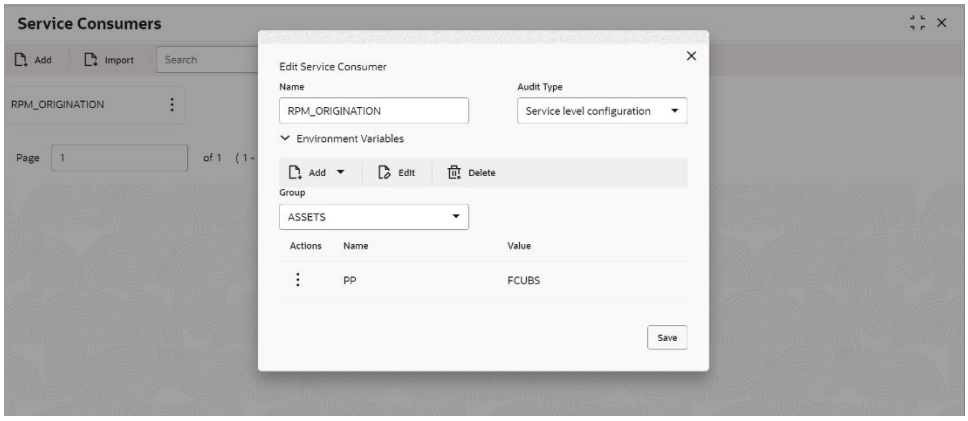
Figure 14: Add Group



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

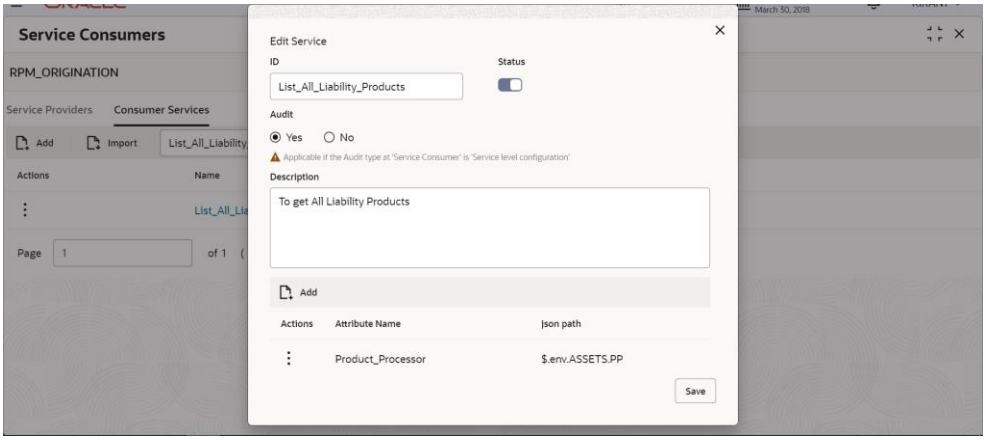
Copyright @ 2023
All Rights Reserved

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.

Copyright @ 2023
All Rights Reserved

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

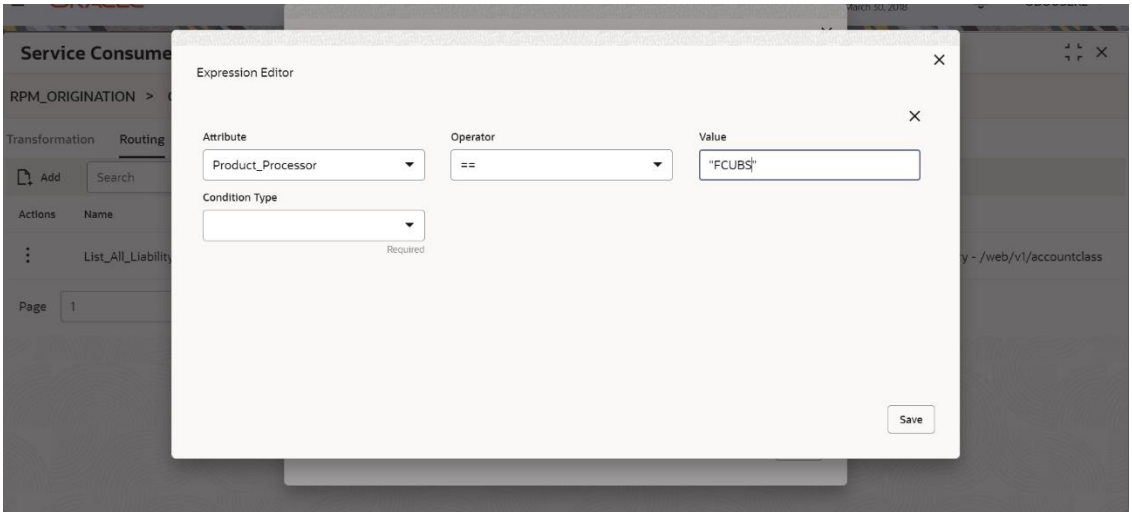
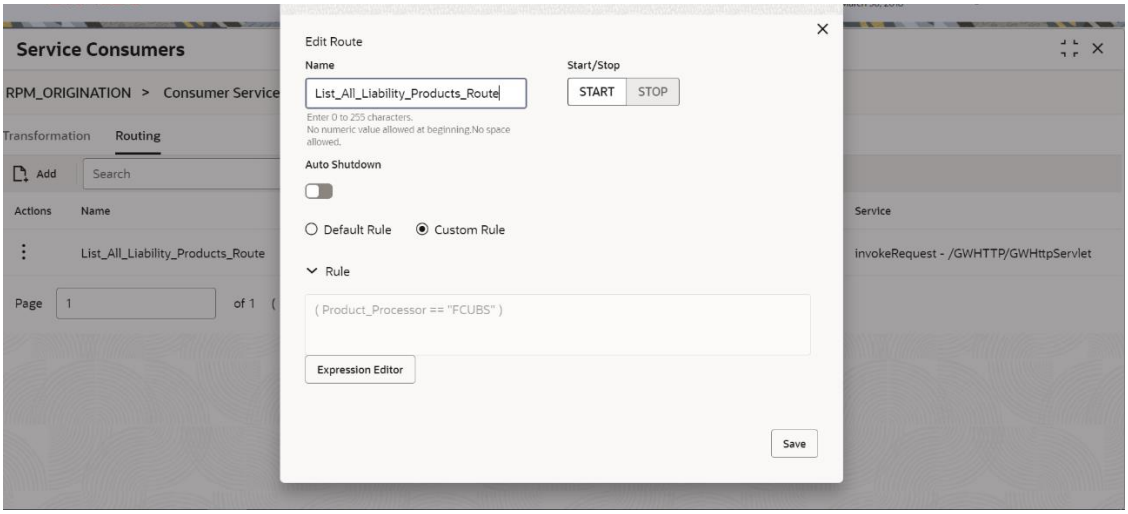


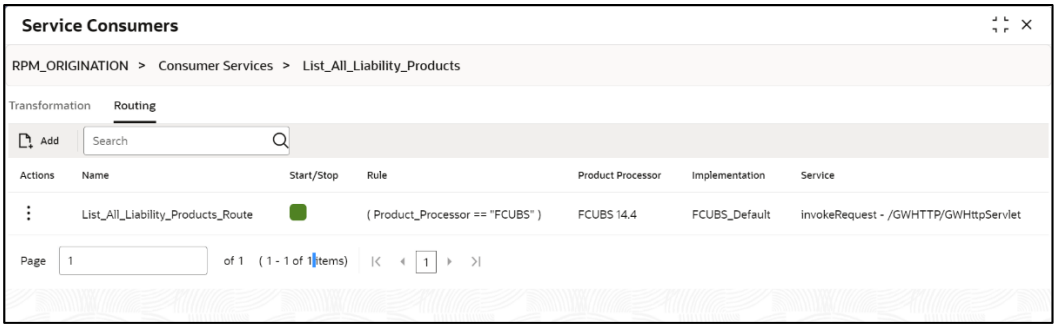
Figure 13: Saved Expression



i. **Save** it.

Figure 14: Saved Route

Copyright @ 2023
All Rights Reserved



Copyright @ 2023
All Rights Reserved