

Oracle® Banking Origination

Retail Lending Integration Guide



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Preface

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Purpose

This guide is to help with Integration of Oracle Banking Origination Product with Oracle Banking Retail Lending (OBRL) acting as the backend Product Processor.

Audience

This guide is intended for the Implementation and IT Staff to implement and maintain the software.

Documentation 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>.

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Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

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.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Oracle Banking Retail Lending

This topic provides the information about the Oracle Banking Retail Lending Integration Service.

You can integrate Oracle Banking Origination with Oracle Banking Retail Lending acting as the product processor of Loan accounts through Oracle Banking Routing Hub. This document briefs you about the specific steps needed for integration of these two products and specific maintenances.

- [Maintenance for Oracle Banking Origination](#)
This topic describes systematic instructions to maintain Oracle Banking Routing Hub configuration in common core for Oracle Banking Retail Lending.
- [Maintenance for Product Processor as environment variable](#)
This topic describes systematic instructions to maintain Oracle Banking Routing Hub configuration in common core for Oracle Banking Retail Lending.

1.1 Maintenance for Oracle Banking Origination

This topic describes systematic instructions to maintain Oracle Banking Routing Hub configuration in common core for Oracle Banking Retail Lending.

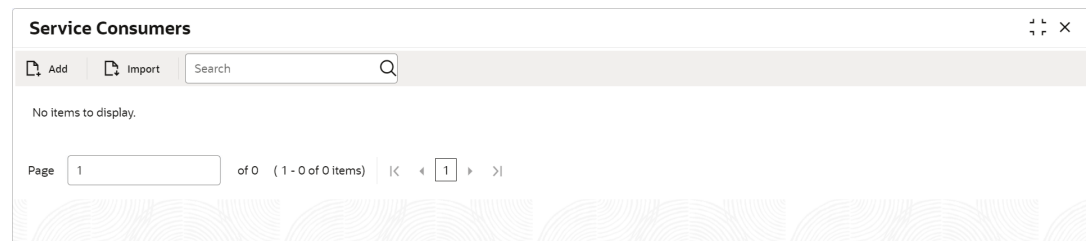
To manage the configuration of the Oracle Banking Routing Hub within the common core for Oracle Banking Retail Lending.

To import the services:

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

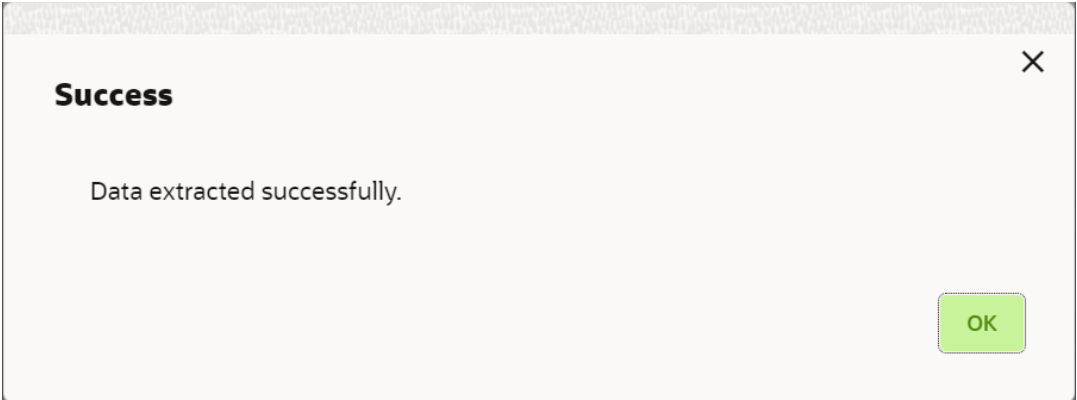
The **Service Consumers** screen is displayed.

Figure 1-1 Service Consumers



2. Select **Import** and upload the RPM_ORIGINATION_Consumer.json file provided in the release and then click **Extract**.

Figure 1-2 Success



3. Select **OBRL** and click **Import**.

Figure 1-3 Confirmation

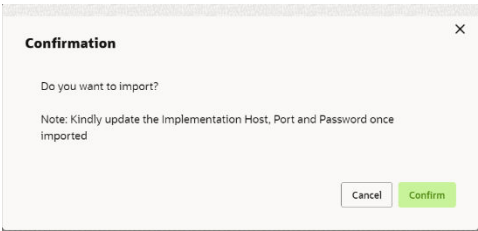
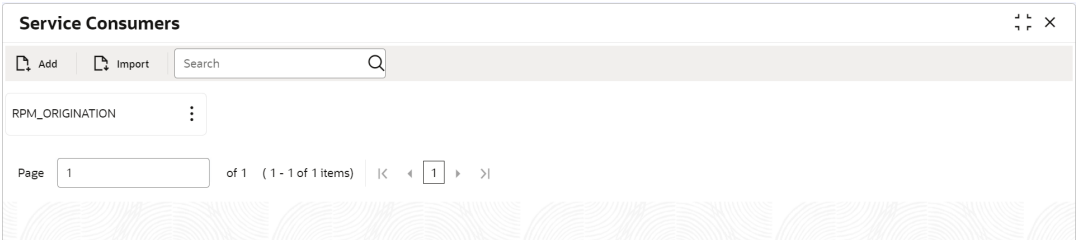


Figure 1-4 RPM Origination



4. Click **RPM_ORIGINATION**. Under **RPM_ORIGINATION**, click **OBRL**.
The Service Provider screen displays.

Figure 1-5 Service Providers

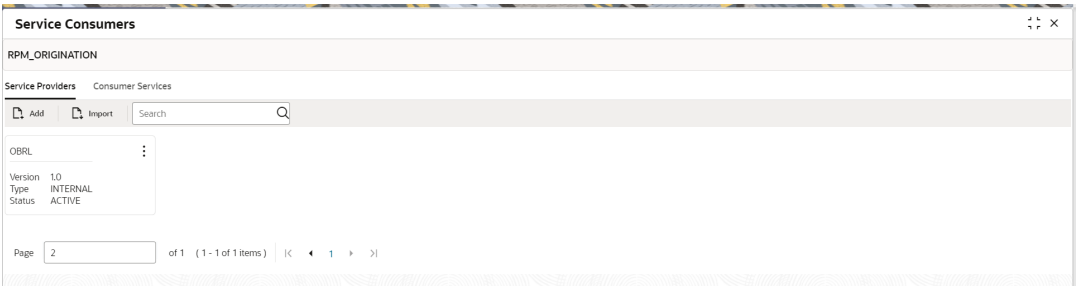
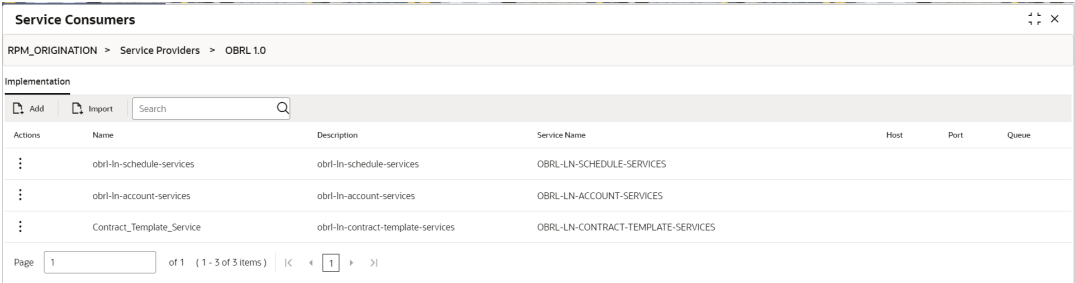
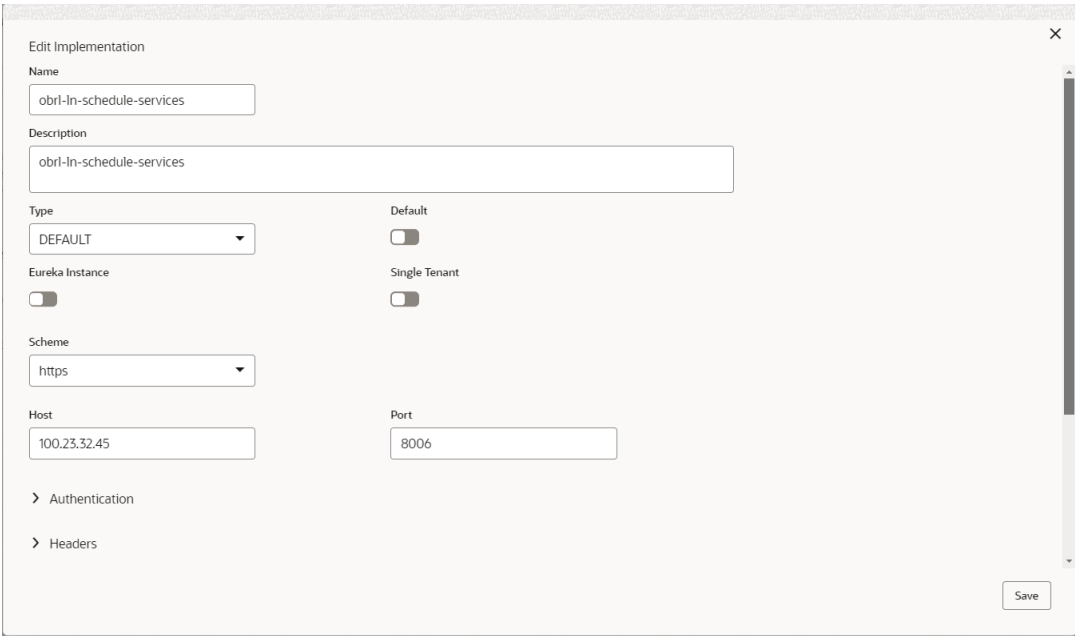


Figure 1-6 OBRL Implementation



- 5. Click Edit.
- 6. Change the host and port as per the Oracle OBRL installation and save it.

Figure 1-7 Edit Implementation



- 7. Repeat the same for all the OBRL Service Provides.
- 8. The below consumer services will be imported.

Table 1-1 Consumer Service

Consumer Service	Description	APIs Called
List_All_Loan_Products	Usage: Fetch List of Loanproducts for Oracle Banking Retail Lending Transformation: List_All_Loan_Products_Transform_OBRL	a. obrl-ln-lending-product-services/ob/obrl/v1/products/?offset=0&limit=500

Table 1-1 (Cont.) Consumer Service

Consumer Service	Description	APIs Called
Get_Loan_Product_Details	Usage: Fetch Loan Product Details Transformation: Get_Loan_Product_Details_Transform_OBRL	a. obrl-In-lending-product-services/ob/obrl/v1/products/productcode/{productCode}
Get_Loan_Interest_Details	Usage: Fetch Loan Interest Details Transformation: Get_Loan_Interest_Details_Transform_OBRL	a. obrl-In-lending-product-services/ob/obrl/v1/products/productcode/{productCode} b. obrl-In-account-services/ob/obrl/v1/accounts/interestData
Get_Loan_Charge_Details	Usage: Fetch Loan Interest Details Transformation: Get_Loan_Interest_Details_Transform_OBRL	a. obrl-In-lending-product-services/ob/obrl/v1/products/productcode/{productCode} b. obrl-In-account-services/ob/obrl/v1/accounts/interestData c. obrl-In-account-services/ob/obrl/v1/accounts/chargesSimulation
Loan_Simulation	Usage: Fetch Loan Schedule Transformation: Loan_Simulation_Transform_OBRL and Get_Contract_template_Details_Transform_OBRL Personalized_Schedule_Generation_LLM_OBRL Get_Quote_Inquiry_OBRL	a. obrl-In-lending-product-services/ob/obrl/v1/products/productcode/{productCode} b. obrl-In-schedule-services/ob/obrl/v1/schedules/scheduleSimulation c. obrl-In-schedule-services/ob/obrl/v1/schedules/quote d. obrl-In-schedule-services/ob/obrl/v1/schedules/LLMBasedScheduleQuote
Loan_Account_Creation	Usage: Loan Account creation Transformation: Loan_Account_Creation_Transform_OBRL and Get_Contract_template_Details_Transform_OBRL	a. obrl-In-lending-product-services/ob/obrl/v1/products/productcode/{productCode} b. obrl-In-account-services/ob/obrl/v1/accounts/accountCreate
Get_Multi_Installment_Amount	Usage: To get multi-installment/schedule for given term Transformation: Get_Multi_Installment	a. obrl-In-schedule-services/multiInstallmentAmount

1.2 Maintenance for Product Processor as environment variable

This topic describes systematic instructions to maintain Oracle Banking Routing Hub configuration in common core for Oracle Banking Retail Lending.

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

Figure 1-8 Edit Service Consumers

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

Figure 1-9 Add Group

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

Figure 1-10 Add Variable

Edit Service Consumer

Name: RPM_ORIGINATION

Audit Type: All Requests

Environment Variables

Group: LOAN

Actions	Name	Value
⋮	PP	OBRL

Save

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

Figure 1-11 Add Attribute

The 'Edit Service' dialog box shows the configuration for the 'List_All_Loan_Products' service. The 'ID' field contains 'List_All_Loan_Products' and the 'Status' toggle is turned on. The 'Audit' section has 'Yes' selected. The 'Description' field contains 'To get List of All Loan Products'. Below the description is an 'Add' button with a plus icon. A table lists the actions for this service:

Actions	Attribute Name	json path
⋮	Product_Processor	\$.env.LOAN.PP

A 'Save' button is located at the bottom right of the dialog.

- d. Click on **List_All_Loan_Products** Consumer service.
- e. Click on **Routing**.
- f. Click on **Edit** for List_All_Loan_Products_Route_OBRL route.
- g. Click on **Custom Rule**. Click on **Expression Editor**.
- h. Add Product_Processor as attribute (point 8.c) and "OBRL" as value(point 5). **Save** it.

Figure 1-12 Expression Editor

The 'Expression Editor' dialog box is used to define a custom rule. It contains three main fields: 'Attribute' (a dropdown menu with 'Product_Processor' selected), 'Operator' (a dropdown menu with '==' selected), and 'Value' (a text field containing '"OBRL"'). There is also a 'Condition Type' dropdown menu, which is currently empty and marked as 'Required'. A 'Save' button is located at the bottom right of the dialog.

Figure 1-13 Saved Expression

Edit Route

Name

List_All_Loan_Products_Route_OBRL

Start/Stop

STARTSTOP

Auto Shutdown

☐ Default Rule

☒ Custom Rule

Rule

(Product_Processor == "OBRL")

Expression Editor

Transformations

Add

Save

i. Save it.

Figure 1-14 Saved Route

Service Consumers

RPM_ORIGINATION > Consumer Services > List_All_Loan_Products

TransformationRouting

Add

Search

Actions	Name	Start/Stop	Rule	Product Processor	Implementation	Service
<div></div>	List_All_Loan_Products_Route_OBRL	<div></div>	(Product_Processor == "OBRL")	OBRL 1.0	Contract_Template_Service	Fetch All Contract Templates - /web/v1/contracttemplate

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Glossary

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