

Oracle® Banking Origination

Common Core Generative AI Service Integration Guide



Release 14.7.4.0.0
F97657-01
June 2024

ORACLE®

Copyright © 2023, 2024, Oracle and/or its affiliates.

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.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. 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 fail-safe, 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.

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

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about 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 unless otherwise set forth in an applicable agreement between you and Oracle. 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, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Purpose	iv
Audience	iv
Documentation Accessibility	iv
Diversity and Inclusion	iv
Conventions	v

1 Integration Guide

1.1 Maintenance for Oracle Banking Origination	1-1
1.2 Maintenance of Generative AI API Key as Environment Variable	1-5

Index

Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Conventions](#)

Purpose

This guide is to help with Integration of Oracle Banking Origination Product with Common Core Generative AI Service.

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>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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

Integration Guide

This topic provides the information about the Common Core Generative AI Service.

You can integrate Oracle Banking Origination with Common Core Generative AI Service acting through Oracle Banking Routing Hub. Integration to Common Core Generative AI Service will enable the product to leverage Generative AI skills in two areas.

- Qualitative Scorecard Analysis
- Adhoc Comparative Questions for a particular application

This document briefs you about the specific steps needed for the integration of these two products and specific maintenances.



Note:

For configuration details of setting up Common Core Generative AI Service, refer **Rule Configuration** screen from the **Configurations User Guide**.

This topic contains the following subtopics:

- [Maintenance for Oracle Banking Origination](#)
This topic describes systematic instructions to maintain Oracle Banking Routing Hub configuration in common core for Common Core Generative AI Service.
- [Maintenance of Generative AI API Key as Environment Variable](#)
This topic describes instructions to configure the API Key that needs to be configured to use the Generative AI.

1.1 Maintenance for Oracle Banking Origination

This topic describes systematic instructions to maintain Oracle Banking Routing Hub configuration in common core for Common Core Generative AI Service.

To maintain Oracle Banking Routing Hub configuration in common core for the Common Core Generative AI Service.

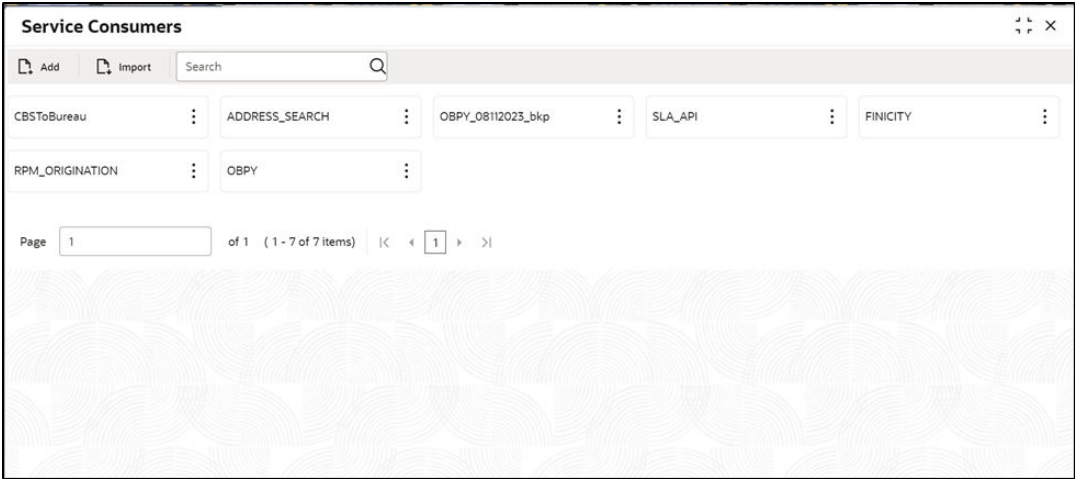
Specify **User ID** and **Password**, and login to **Home** screen.

To import the services:

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

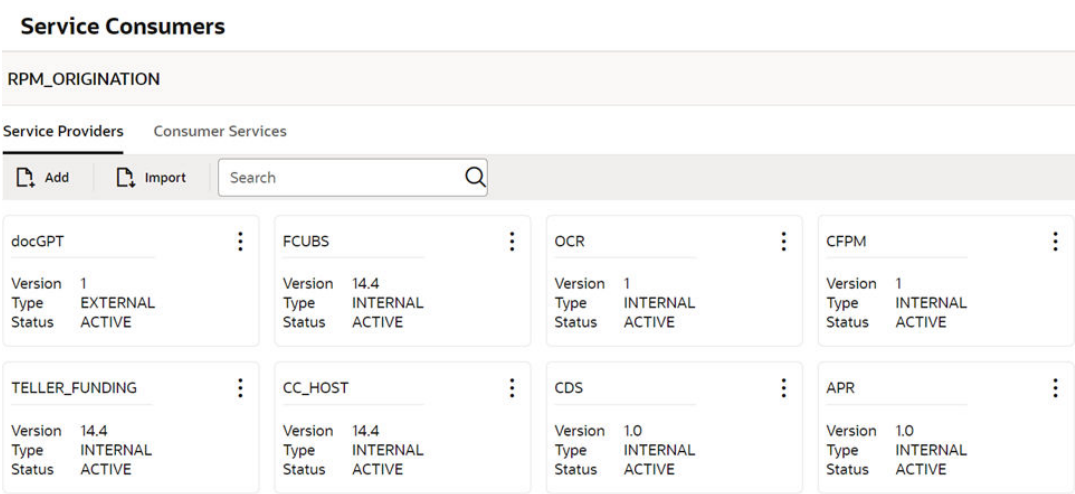
The **Service Consumers** screen displays.

Figure 1-1 Service Consumers



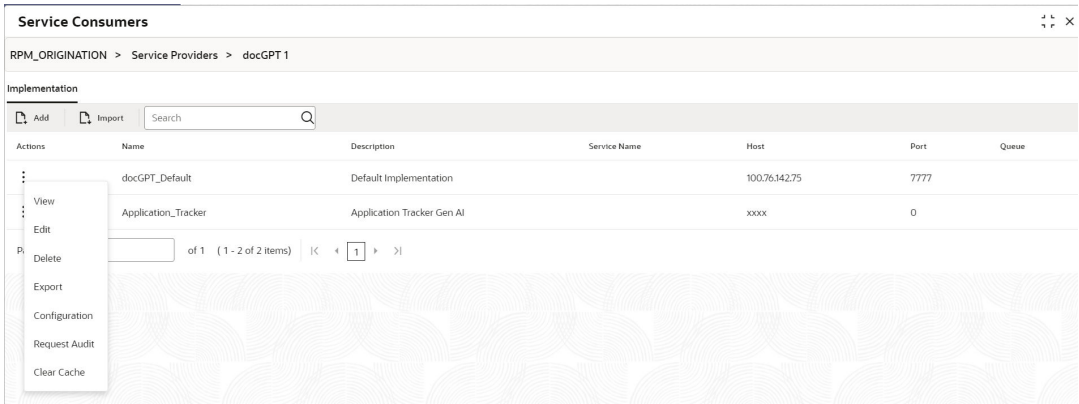
- 3. Click **Import** and select the **RPM_ORIGINATION_docGPT1_Provider.json** provided in the release into the respective Routing Hub configuration levels.
- 4. Under **RPM_ORIGINATION Service Providers**, click **docGPT**.
- 5. Import the json **docGPT1_Application_Tracker_Implementation.json**.
The **RPM_ORIGINATION - docGPT** screen displays.

Figure 1-2 RPM_ORIGINATION Service Providers - docGPT



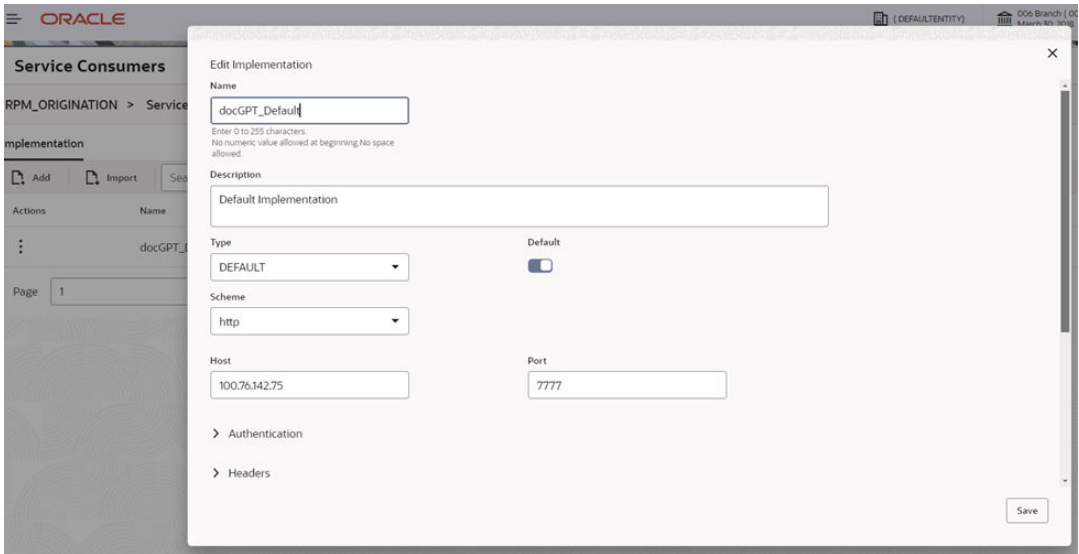
- 6. Click actions from **docGPT** tile to edit the record.

Figure 1-3 Edit- docGPT



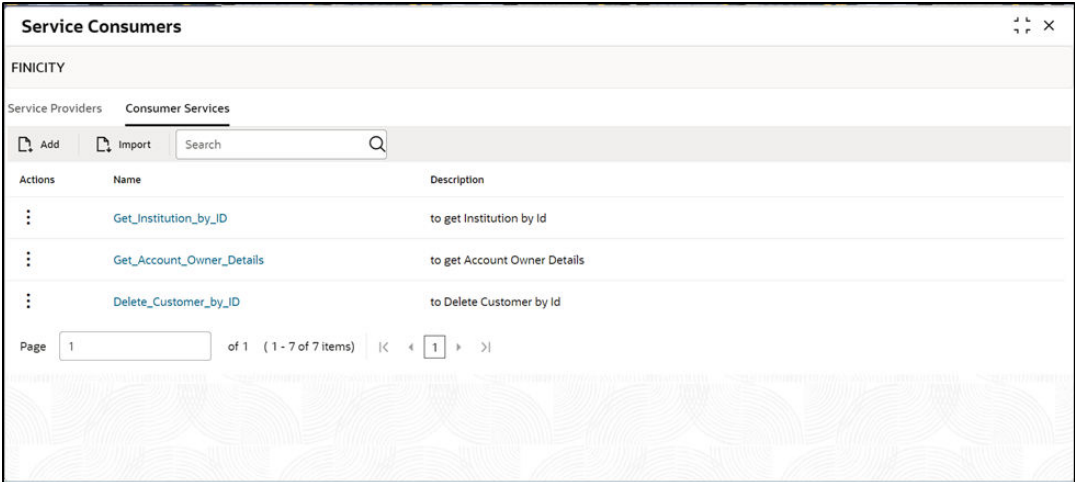
7. Click **Edit**.

Figure 1-4 Edit Implementation



8. Change the host and port as per the Common Core Generative AI Service deployment and save it. Repeat the steps for the other records.
9. From **RPM_ORIGINATION** screen, click **Consumer Service**.
The **Consumer Service** screen displays.

Figure 1-5 Consumer Services



10. Click **Import** below Routing Hub json files:
- RPM_ORIGINATION_Submit_Question_DocGPT_Service.json
 - RPM_ORIGINATION_Train_DocGPT_Model_Service.json
 - RPM_ORIGINATION_Simple_Prompt_DocGPT_Service.json

1. API for Training

This allows the Oracle Banking Origination to call Common Core Generative AI service to train the documents which are uploaded in the Customer level as well as in the Application level. This is done by default when the stage containing the Customer Information data-segment is submitted.

Table 1-1 Routing Hub Details

Service Provider	Consumer Services	Transformation	Service
docGPT	Train_DocGPT_Model	Train_DocGPT_Model_Transform	Train Documents - /docGpt/docCombined/train
docGPT	Train_DocGPT_Model	Train_DocGPT_Model_Forms_Transform	Application Forms Submit - /pdfDoc/train

2. Submit Questions API:

This allows the Oracle Banking Origination to call Common Core Generative AI service to ask questions based on the previously uploaded documents. The response will contain Generative AI answers based on the context obtained from the uploaded documents.

Table 1-2 Routing Hub Details

Service Provider	Consumer Services	Transformation	Service
docGPT	Submit_Question_DocGPT	Submit_Question_DocGPT_Transform	submitQuestion - /docGpt/docCombined/submitQuestion

Table 1-2 (Cont.) Routing Hub Details

Service Provider	Consumer Services	Transformation	Service
docGPT	Submit_Question_DocGPT	Submit_Question_DocGPT_Forms_Transform	Application form submit question - /pdfDoc/submitQuestion

3. Application Tracker Summary API:

This allows the Oracle Banking Origination to call Common Core Generative AI service to fetch the simple prompt message.

Table 1-3 Routing Hub Details

Service Provider	Consumer Services	Transformation	Service
Application_Tracker	Application_Tracker_DocGPT	generate_Simple_Prompt_DocGPT	Simple_Prompt_DocGPT - /docGpt/generate

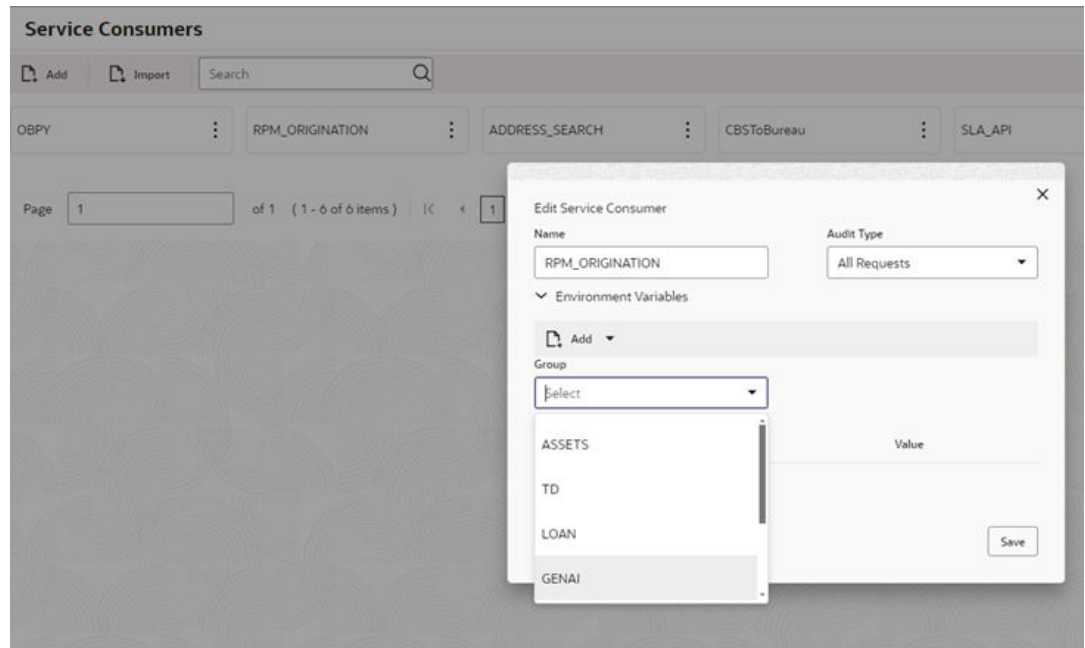
1.2 Maintenance of Generative AI API Key as Environment Variable

This topic describes instructions to configure the API Key that needs to be configured to use the Generative AI.

This topic describes instructions to configure the API Key that needs to be configured to use the Generative AI.

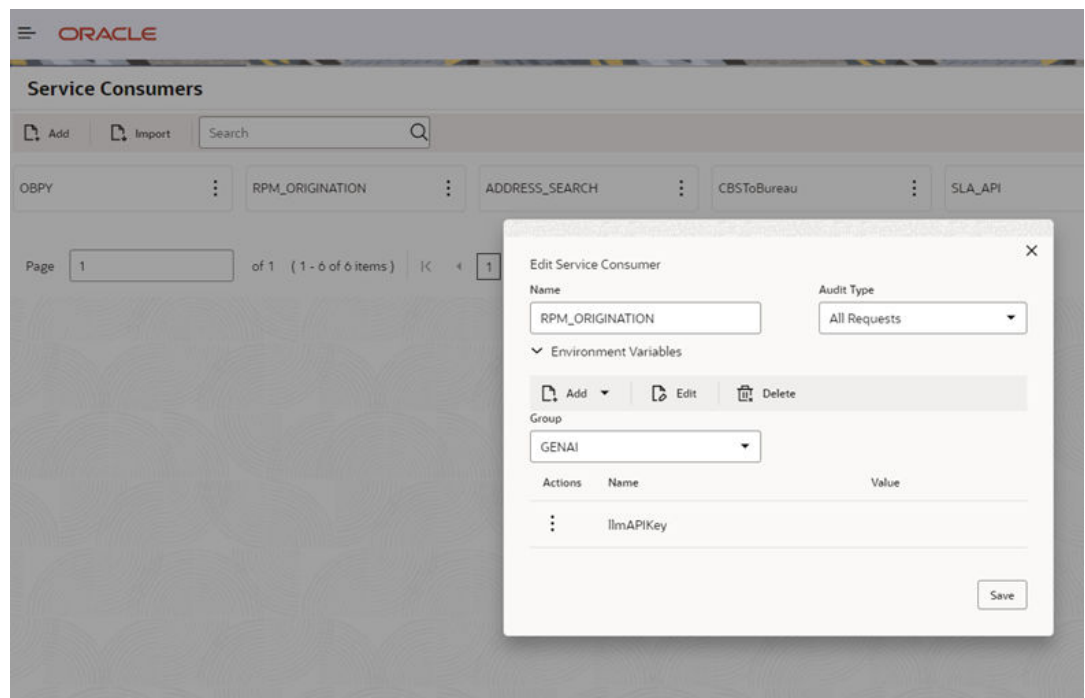
1. Obtain the API Key of the Generative AI instance that is going to be used.
2. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Routing Hub**.
3. Under **Routing Hub**, click **Service Consumers**.
4. Find **RPM_ORIGINATION** and click on **Edit**.

Figure 1-6 Edit Service Consumer



5. Under Environment Variables, add **GENAI** as new group, if not already existing.
6. Add **IlmAPIKey** as a new variable. Add the API Key obtained in step 1 as the value.

Figure 1-7 Add - GenAI



Index

I

Integration Guide, [1-1](#)

M

Maintenance for Oracle Banking Origination, [1-1](#)
Maintenance of Generative AI API Key as
Environment Variable, [1-5](#)