

Oracle® Banking Originations Cloud Service

Docusign Integration Guide



Release 14.7.5.0.0
G37625-01
September 2024

ORACLE®

Copyright © 2024, 2025, 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

1 Integration Guide

1.1	Maintenance in Oracle Banking Routing Hub	1-1
1.1.1	Maintenance of Service Providers and Consumer Services	1-1
1.1.2	Maintenance of Environment Variables	1-3
1.2	Maintenance in Oracle Banking Originations Cloud Service Preferences	1-9

Index

Preface

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

Purpose

This guide is to help with Integration of Oracle Banking Originations Cloud Service Product with Oracle Banking Digital Experience product.

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 customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

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 DocuSign Integration Guide.

You can integrate Oracle Banking Originations Cloud Service with DocuSign for e-signing of the documents in origination process.

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

This topic contains the following subtopics:

- [Maintenance in Oracle Banking Routing Hub](#)
This topic describes the systematic instructions to maintain Oracle Banking Routing Hub Configuration for Oracle Banking Originations Cloud Service.
- [Maintenance in Oracle Banking Originations Cloud Service Preferences](#)
This topic describes the systematic instructions to maintain **Origination Preferences** for Oracle Banking Originations Cloud Service.

1.1 Maintenance in Oracle Banking Routing Hub

This topic describes the systematic instructions to maintain Oracle Banking Routing Hub Configuration for Oracle Banking Originations Cloud Service.

This topic contains the following subtopics:

- [Maintenance of Service Providers and Consumer Services](#)
This topic describes the systematic instructions to maintain **Service Providers** and **Consumer Services** for Oracle Banking Originations Cloud Service.
- [Maintenance of Environment Variables](#)
This topic describes the systematic instructions to maintain Environment Variables in Oracle Banking Routing Hub Configuration for Oracle Banking Originations Cloud Service.

1.1.1 Maintenance of Service Providers and Consumer Services

This topic describes the systematic instructions to maintain **Service Providers** and **Consumer Services** for Oracle Banking Originations Cloud Service.

To maintain Oracle Banking Routing Hub configuration in common core for Oracle Banking Originations Cloud Service.

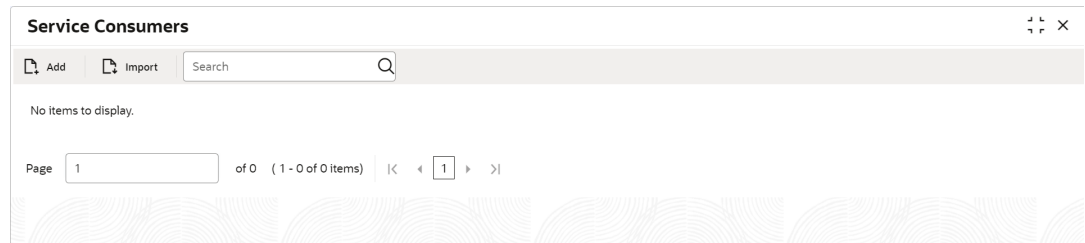
Specify **User ID** and **Password**, and login to **Home** screen.

To import the services:

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

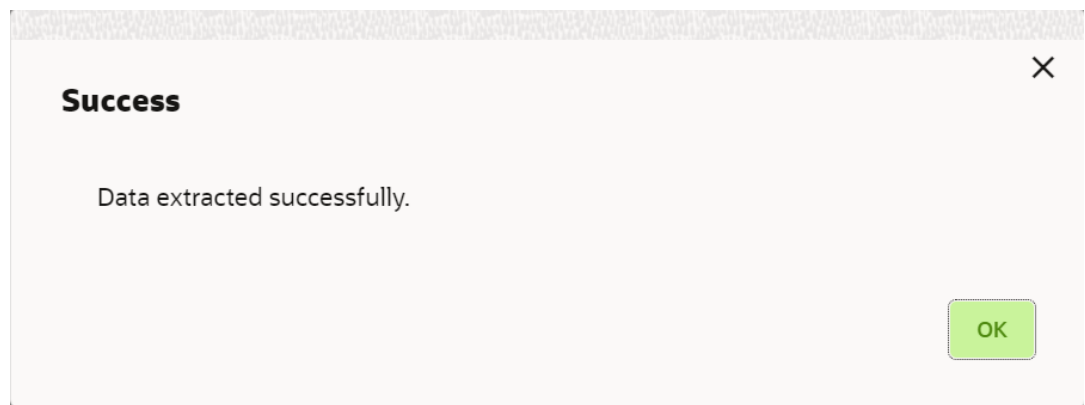
The **Service Consumers** screen is displayed.

Figure 1-1 Service Consumers



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

Figure 1-2 Success



4. Select **DOCUSIGN** ,and click **Import**.

Figure 1-3 Confirmation

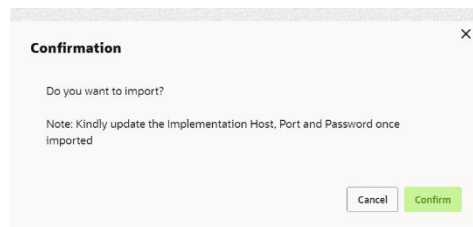
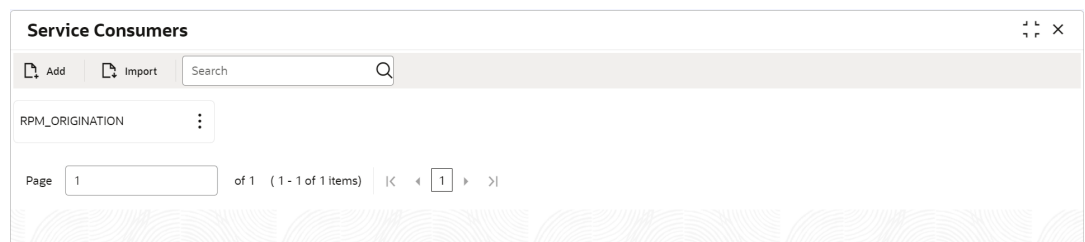


Figure 1-4 RPM Origination



5. Click **RPM_ORIGINATION**. Under **RPM_ORIGINATION**, click **DOCUSIGN**. Click **Edit**.

6. Change the host and port as per the oracle **DOCUSIGN** installation and Click **save** .
7. Repeat the same steps for all the DOCUSIGN Service Providers.
8. The below consumer services will be imported.

Table 1-1 Consumer Service

Consumer Service	Description
Create_Docusign_Envelope	Usage: Create Docusign Envelope using different authentication Transformation: Create_Docusign_Envelope_No_Auth_Transform Create_Docusign_Envelope_Phone_Auth_Transform Create_Docusign_Envelope_AccessCode_Auth_Transform Create_Docusign_Envelope_IDV_Auth_Transform Create_Docusign_Envelope_KBA_Auth_Transform Get_JWT_Assertion Get_JWT_Access-Token_Transform
Create_Docusign_Recipients_View	Usage: To generate URL for In-Person signing Transformation: Create_Docusign_Recipients_View_Transform Get_JWT_Assertion Get_JWT_Access-Token_Transform
Void_Docusign_Envelope	Usage: Void created Docusign envelope Transformation: Void_Docusign_Envelope_Transform Get_JWT_Assertion Get_JWT_Access-Token_Transform
Download_Docusign_Documents	Usage: Download Signed Documents from Envelope Transformation: Download_Docusign_Documents_Transform Get_JWT_Assertion Get_JWT_Access-Token_Transform

1.1.2 Maintenance of Environment Variables

This topic describes the systematic instructions to maintain Environment Variables in Oracle Banking Routing Hub Configuration for Oracle Banking Originations Cloud Service.

To maintain **Environment Variables** in **Oracle Banking Routing Hub configuration** for Oracle Banking Originations Cloud 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 **Service Consumers**.
3. Click **Edit**.

Figure 1-5 Edit Service Consumers

Environment Variables

Group: DOCUSIGN

Actions	Name	Value
⋮	userId	
⋮	oauthBasePath	account-d.docuSign.com
⋮	scope	signature

Save

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

Figure 1-6 Add Group

Name: RPM_ORIGINATION

Audit Type: Service level configuration

Environment Variables

Group: DOCUSIGN

Actions	Name	Value
---------	------	-------

Save

5. Add following as new variable and update respective values as per DOCUSIGN account and click **Save**.
 - a. accountId : <your_docuSign_account_id>
 - b. recipientAuthMethod : default is **NOAUTH**

- c. clientId: <your_integration_key>
- d. userId: <your_user_id>
- e. oauthBasePath: default is **account-d.docusign.com (developer environment)**
- f. scope: default is **signature**

Figure 1-7 Add Variable

The screenshot shows a web interface for editing a service consumer. At the top, there's a title bar 'Edit Service Consumer' with a close button. Below it, there are two input fields. A section titled 'Environment Variables' is expanded, showing a toolbar with 'Add', 'Edit', and 'Delete' buttons. Below the toolbar is a 'Group' dropdown menu set to 'DOCUSIGN'. A table lists the environment variables:

Actions	Name	Value
⋮	userId	
⋮	oauthBasePath	account-d.docusign.com
⋮	scope	signature

At the bottom right of the dialog is a 'Save' button.

- 6. Click **RPM_ORIGINATION**.
- 7. Under **RPM_ORIGINATION**, click **Consumer Services**.
- 8. For all consumer services, refer [Table 1-1](#) section.
 - a. Search **Void_Docusign_Envelope**.
 - b. Click **Edit**.
 - c. Add **Account Id** as new attribute, add json path and Click **Save**.

Figure 1-8 Add Attribute

Edit Service [X]

ID: Status: ☒

Audit: ☒ Yes ☐ No
⚠ Applicable if the Audit type at 'Service Consumer' is 'Service level configuration'

Description:

Add

Actions	Attribute Name	json path
⋮	accountId	\$.env.DOCUSIGN.accountId

Save

9. Follow the below steps for Create_Docusign_Envelope consumer service.
 - a. Search **Create_Docusign_Envelope**.
 - b. Click **Edit**.
 - c. Add **RECIPIENT_AUTH_METHOD** as new attribute, add **\$.env.DOCUSIGN.recipientAuthMethod** json path and click **Save**.

Figure 1-9 Edit Service

Edit Service [X]

ID:

Status: ☒

Audit: ☒ Yes ☐ No
 ⚠ Applicable if the Audit type at 'Service Consumer' is 'Service level configuration'

Description:

Add

Actions	Attribute Name	json path
⋮	accountId	\$.env.DOCUSIGN.accountId

Save

- d. Click **Create_Docusign_Envelope** Consumer service.
- e. Click **Routing**.
- f. Click **Edit** for Create_Docusign_Envelope_No_Auth_Route route.
- g. Click on **Custom Rule**. Click on **Expression Editor**.
- h. Add **RECIPIENT_AUTH_METHOD** as attribute (refer 9.c) and **NOAUTH** as value. **Save**.

Figure 1-10 Expression Editor

Expression Editor

Attribute: RECIPIENT_AUTH_METHOD Operator: == Value: "NOAUTH"

Condition Type: ||

Attribute: RECIPIENT_AUTH_METHOD Operator: == Value: ""

Condition Type: Select Required

Save

Figure 1-11 Saved Expression

Edit Route

Name: Create_Docusign_Envelope_No_Autl Start/Stop: START STOP

Auto Shutdown: ☒

☐ Default Rule ☒ Custom Rule

Rule

(RECIPIENT_AUTH_METHOD == "NOAUTH") || (RECIPIENT_AUTH_METHOD == "")

Expression Editor

Transformations

Add

Actions Product Processor Implementation Transformation

Save

- i. The figure above shows all other authentication routes,

Figure 1-12 Service Consumers

The screenshot shows the 'Service Consumers' page with the breadcrumb 'RPM_ORIGINATION > Consumer Services > Create_Docusign_Envelope'. The 'Routing' tab is active. Below the tab is an 'Add' button and a search bar. A table lists three routing rules, each with a green 'Start/Stop' indicator. The table columns are: Actions, Name, Start/Stop, Rule, Product Processor, Implementation, and Service.

Actions	Name	Start/Stop	Rule	Product Processor	Implementation	Service
⋮	Create_Docusign_Envelope_KBA_Auth_Route	■	(RECIPIENT_AUTH_METHOD == "KBA")	DOCUSIGN 1.0	DOCUSIGN_RESTAPI	Create an Envelope
⋮	Create_Docusign_Envelope_No_Auth_Route	■	(RECIPIENT_AUTH_METHOD == "NOAUTH") (RECIPIENT_AUTH_METHOD == "")	DOCUSIGN 1.0	DOCUSIGN_RESTAPI	Create an Envelope
⋮	Create_Docusign_Envelope_IDV_Auth_Route	■	(RECIPIENT_AUTH_METHOD == "IDV")	DOCUSIGN 1.0	DOCUSIGN_RESTAPI	Create an Envelope

Page 1 of 1 (1 - 5 of 5 items) | < 1 >

- j. For all authentication routes, you should follow these steps (f, g, h, i) as shown on the expression screen.

1.2 Maintenance in Oracle Banking Originations Cloud Service Preferences

This topic describes the systematic instructions to maintain **Origination Preferences** for Oracle Banking Originations Cloud Service.

Refer to the **Origination Preferences** in **Configuration User Guide** to configure the **Docusign Integration**.

Index

I

Integration Guide, [1-1](#)

M

Maintenance in Oracle Banking Originations
Cloud Service Preferences, [1-9](#)

Maintenance in Oracle Banking Routing Hub, [1-1](#)
Maintenance of Environment Variables, [1-3](#)
Maintenance of Service Providers and Consumer
Services, [1-1](#)