

# Oracle® Banking Originations Cloud Service

## Finicity Integration Service Guide



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ORACLE®

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# Preface

This topic contains the following sub-topics:

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

## Purpose

This guide is to help with Integration of Oracle Banking Originations Cloud Service with Oracle Finicity 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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## 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                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>boldface</b> | 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.                          |
| monospace       | 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 Finicity Integration Service.

User can integrate Oracle Banking Originations Cloud Service with Finicity Integration Service acting through Oracle Banking Routing Hub.

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

### **Note**

For configuration details of setting up Finicity integration, refer the **Rule Configuration** screen from the **Configurations User Guide**.

This topic contains the following subtopics:

- [Maintenance for Oracle Banking Originations Cloud Service](#)  
This topic describes systematic instructions to maintain Oracle Banking Originations Cloud Service configuration in common core for Finicity Integration Service.

## 1.1 Maintenance for Oracle Banking Originations Cloud Service

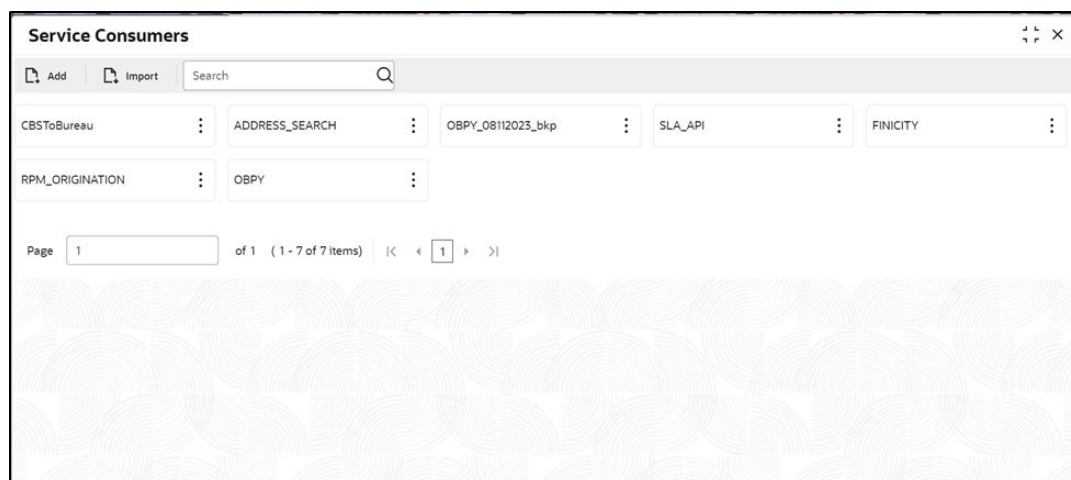
This topic describes systematic instructions to maintain Oracle Banking Originations Cloud Service configuration in common core for Finicity Integration Service.

To maintain Oracle Banking Routing Hub configuration in common core for Finicity Integration Service.

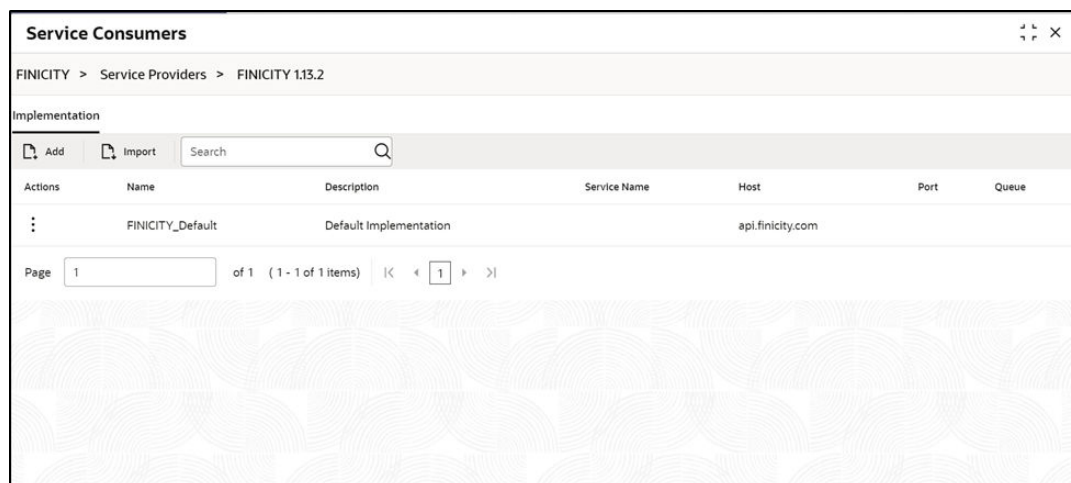
### **To import the services:**

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

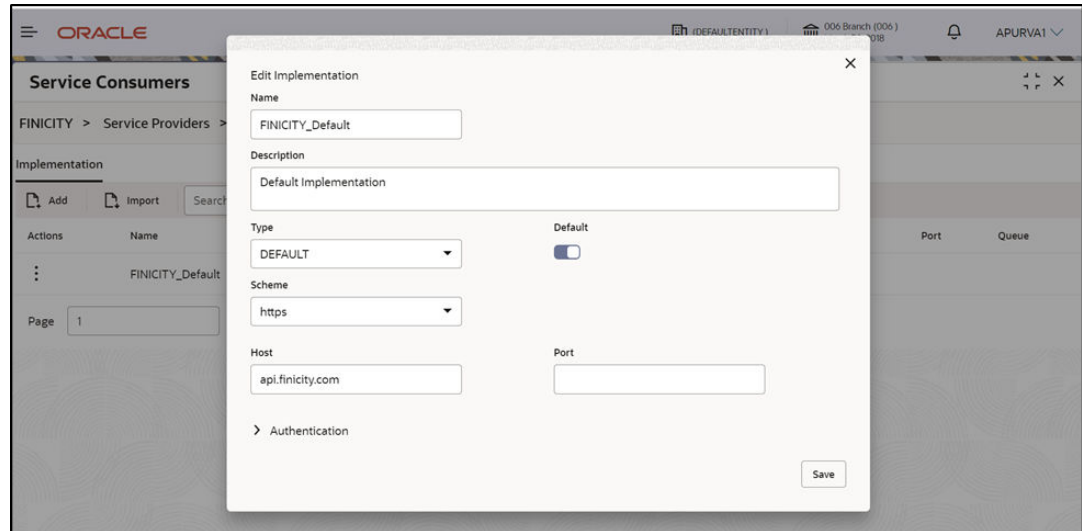
The **Service Consumers** screen displays.

**Figure 1-1 Service Consumer**

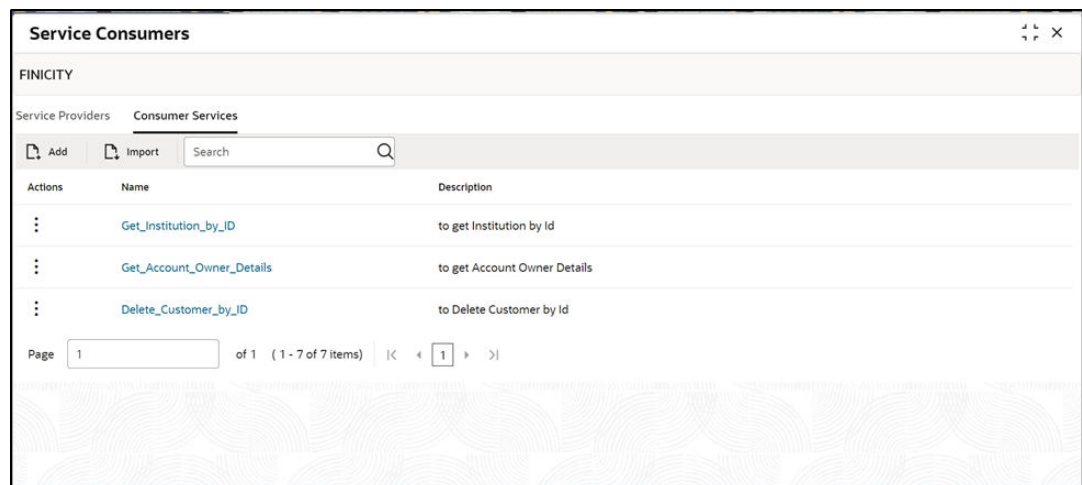
3. Click **Import** and select the **FINICITY\_FINICITY1.13.2\_Provider.json** file provided in release.
4. Under **FINICITY**, click **FINICITY**.  
The **FINICITY** screen displays.

**Figure 1-2 FINICITY**

5. Click **Edit**.
6. Change the host and port as per the Finicity Integration Service installation and save it.  
The **Edit Implementation** screen displays.

**Figure 1-3 Edit Implementation**

7. From **FINICITY** screen, click **Consumer Service**.  
The **Consumer Service** screen displays.

**Figure 1-4 Consumer Services**

8. Click **Import** below services
  - Get\_Institution\_by\_ID
  - Get\_Account\_Owner\_Details
  - Delete\_Customer\_by\_ID
  - Create\_Access-Token
  - Initiate\_Existing\_Customer\_Finicity
  - initiate\_Finicity
  - Get\_Account\_ACH\_Details
- a. **Enquiry API for fetching institution Details:**  
This will allow Oracle Banking Originations Cloud Service to fetch institution details for finicity integration.

Below Finicity APIs are called in the sequence.

**Table 1-1 Routing Hub Details**

| Service Provider | Consumer Services     | Service                                                         |
|------------------|-----------------------|-----------------------------------------------------------------|
| FINICITY         | Create_Access_Token   | CreateToken - / aggregation/v2/partners/ authentication         |
| FINICITY         | Get_Institution_by_ID | GetInstitution - / institution/v2/institutions/ {institutionId} |

**b. Enquiry API for fetching Account Owner Details:**

This will allow Oracle Banking Originations Cloud Service to fetch account owner details for finicity integration.

Below Finicity APIs are called in the sequence:

**Table 1-2 Routing Hub Details**

| Service Provider | Consumer Services         | Service                                                                                       |
|------------------|---------------------------|-----------------------------------------------------------------------------------------------|
| FINICITY         | Create_Access_Token       | CreateToken - / aggregation/v2/partners/ authentication                                       |
| FINICITY         | Get_Account_Owner_Details | GetAccountOwnerDetails - /aggregation/v3/ customers/{customerId}/ accounts/{accountId}/ owner |

**c. API for deleting customer finicity:**

This api is used to delete the customer created in the finicity.

Below Finicity APIs are called in the sequence:

**Table 1-3 Routing Hub Details**

| Service Provider | Consumer Services     | Service                                                   |
|------------------|-----------------------|-----------------------------------------------------------|
| FINICITY         | Create_Access_Token   | CreateToken - / aggregation/v2/partners/ authentication   |
| FINICITY         | Delete_Customer_by_ID | DeleteCustomer - / aggregation/v1/customers/ {customerId} |

**d. API for creating access token:**

This api is used to create authentication token which will be required while calling Finicity APIs for the security purpose.

**Table 1-4 List of Names**

| Service Provider | Consumer Services   | Service                                                 |
|------------------|---------------------|---------------------------------------------------------|
| FINICITY         | Create_Access_Token | CreateToken - / aggregation/v2/partners/ authentication |

**e. API for initiating finicity call for an existing customer:**

This api is used to initiate Finicity call for an existing customer. In case apis call to Finicity fails after customer is already created, instead of calling apis again from start we will use an existing customer created and then call subsequent apis of Finicity. Below Finicity APIs are called in the sequence. If Finicity mode is configured as **Branch Visit** in the **Origination Preference** screen, then `Generate_Connect_URL_Transform` will be called after `Create_Access_Token` else if finicity mode is configured as **Customer Email** in the **Origination Preference** screen then `Send_Connect_Email` will be called after `Create_Access_Token`.

**Table 1-5 Routing Hub Details**

| Service Provider | Consumer Services              | Service                                                 |
|------------------|--------------------------------|---------------------------------------------------------|
| FINICITY         | Create_Access_Token            | CreateToken - / aggregation/v2/partners/ authentication |
| FINICITY         | Generate_Connect_URL_Transform | GenerateConnectUrl - / connect/v2/generate              |
| FINICITY         | Send_Connect_Email             | SendConnectEmail - / connect/v2/send/email              |

**f. API for initiating finicity call:**

This api is used for initiating the Finicity call. Below Finicity APIs are called in the sequence. If Finicity mode is configured as **Branch Visit** in the **Origination Preference** screen, then `Generate_Connect_URL_Transform` will be called after `AddTestingCustomer` else if finicity mode is configured as **Customer Email** in the **Origination Preference** screen then `Send_Connect_Email` will be called after `AddTestingCustomer`:

**Table 1-6 Routing Hub Details:**

| Service Provider | Consumer Services              | Service                                                  |
|------------------|--------------------------------|----------------------------------------------------------|
| FINICITY         | Create_Access_Token            | CreateToken - / aggregation/v2/partners/ authentication  |
| FINICITY         | AddTestingCustomer             | AddTestingCustomer - / aggregation/v2/customers/ testing |
| FINICITY         | Generate_Connect_URL_Transform | GenerateConnectUrl - / connect/v2/generate               |
| FINICITY         | Send_Connect_Emai              | SendConnectEmail - / connect/v2/send/email               |

**g. API for fetching account details:**

This api is used for fetching the account details from finicity.  
Below Finicity APIs are called in the sequence:

**Table 1-7 Routing Hub Details**

| Service Provider | Consumer Services   | Service                                                 |
|------------------|---------------------|---------------------------------------------------------|
| FINICITY         | Create_Access_Token | CreateToken - / aggregation/v2/partners/ authentication |

**Table 1-7 (Cont.) Routing Hub Details**

| Service Provider | Consumer Services       | Service                                                                                     |
|------------------|-------------------------|---------------------------------------------------------------------------------------------|
| FINICITY         | Get_Account_ACH_Details | GetAccountACHDetails - / aggregation/v1/customers/{customerId}/accounts/{accountId}/details |

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