Oracle® Banking Microservices Architecture

Oracle Banking Configuration Transport Utility User Guide

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Purpose

This guide enables the user to integrate Oracle Products with External Product Processor through Oracle Banking Routing Hub Platform.

Before You Begin

Kindly refer to the **Getting Started User Guide** for information on common functionalities like login, navigation, and general settings before proceeding with this guide.

Module Pre-requisite

Specify **User Id** and **Password**, and login to the **Home** screen.

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Module Definitions

Table 1 Terms & Definitions

Terms	Definitions
Consumer Application	The product that requires integration with another product for retrieving information or posting transactions does not need to know the following details while coding.
Service Consumer	It is an Oracle banking solution that utilizes the Oracle Banking Routing Hub API for integration purposes. Analyze the Oracle Banking Routing Hub and assess the destination product processor.
Import Service Consumer	The user can create a service consumer by importing the JSON file and manually selecting the service providers or select all providers that needs to be imported.
Environment Variables	A set of variables that will be accessible across the particular configuration of the consumer.
Service Providers	Service Providers are systems designed to handle requests sent by the Oracle Banking Routing Hub for service consumers. They include information about destination integration.
Parameter Group	Parameter mapping is used to establish the relationship between parameters of 2 different systems i.e., consumer and provider.
Import Implementation	The user can create an implementation by importing the JSON file.
Consumer Services	It specifies the service ID that is transmitted by the service consumer. It also handles transitions and route definitions, including the details for source integration.
Transformation	It involves gathering and changing data from one source to another and back again. This process occurs within consumer services. It changes the data from the service consumer into a format suitable for the service provider.
Routing	It determines which service provider receives the actual request by considering maintenance and assessment factors.
Chaining	The sequence of transformations for each routing in which the request needs to be processed.
Template Extensibility	It is achieved by specifying the extended templates for request and response kernel transformation templates. And as part of extensibility, Routing Hub merges the output of kernel template and custom template in terms of JSON / XML merging.
SPI	It is used to make Routing Hub more extensible. SPI provides an option to extend interfaces without modifying the core application.
Monitoring dashboard	It provides to System integrators and IT administrators to review the health of the integrations. It displays data using different type of widgets to help users to assess the performance of integrations and identify the areas that requires attention.

Audience

This guide is intended for the customers and partners.

Documentation Accessibility

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Related Resources

For more information on any related features, refer to the following documents

- *Oracle Banking Common Core User Guide*
- *Oracle Banking Getting Started User Guide*

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

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.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

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Table 2 Acronyms and Abbreviations

Abbreviation	Description
API	Application Programming Interface
JSON	Java Script Object Notation
XML	Extensible Markup Language
WSDL	Web Services Description Language

Basic Actions

Table 3 Basic Actions

Action	Description
Submit	Click to complete the transaction after you specify all the input parameters for a particular transaction.
Cancel	Click to cancel the transaction input midway without saving any data.
Clear	Click to clear the transaction input data. The system displays a pop-up screen with confirmation to clear data. You can click **OK** to confirm or click **x** icon to retain the data.
Query	On completion of input of necessary parameters, click this button to fetch and display the details.
OK	Click to confirm the details in the pop-up screen.
Save	Click to save the details specified in the screen.
Exit	Click to close the screen and go to Home screen.

Symbols and Icons

This guide has the following list of symbols and icons.

Table 4 Symbols and Icons - Common

Symbol/Icon	Function
	Minimize
	Maximize
	Close
	Perform Search
	Open a list
	Add a new record

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Table 4 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Navigate to the first record
	Navigate to the last record
	Navigate to the previous record
	Navigate to the next record
	Refresh
	Click this icon to delete a row, which is already added.
	Calendar
	Alerts
	Import a file
	Edit a file

Module Post-requisite

After finishing all the requirements, log out from the **Home** screen.

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Configuration Transport

This topic describes the procedure to configure transport maintenance.

An updated transport utility for configuration maintenance allows for the streamlined process of exporting existing maintenance configurations from one environment and transporting them to a destination environment. To ensure a smooth transition, it's crucial to follow these steps:

1. **Target Environment Maintenance**
2. **Export Maintenance from Source Environment**
3. **Import Maintenance to Target Environment**
4. **Acknowledge Source Environment**

- Target Environment Maintenance
  This topic describes the instructions to maintain the target environment.
- Export Screens
  This topic describes systematic instructions to export maintenance from source environment.
- Import Screens
  This topic describes about the instructions to import maintenance from target environment.
- Upload ACK Screen
  This topic describes about the instructions to acknowledge the import.

1.1 Target Environment Maintenance

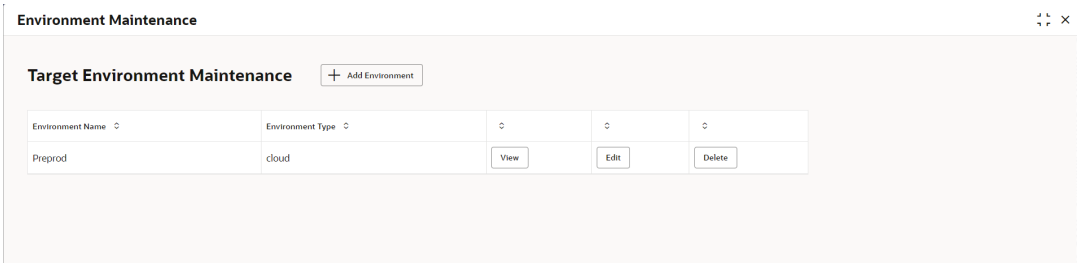
This topic describes the instructions to maintain the target environment.

Specify **User ID** and **Password**, and login to **Home** screen. For information on login procedure, refer to the *Getting Started User Guide*.

1. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Environment Maintenance**.

   The **Environment Maintenance** screen displays.

Figure 1-1 Environment Maintenance



Environment Data

2. On Environment Maintenance screen, click **+ Add Environment** to add a new target environment.

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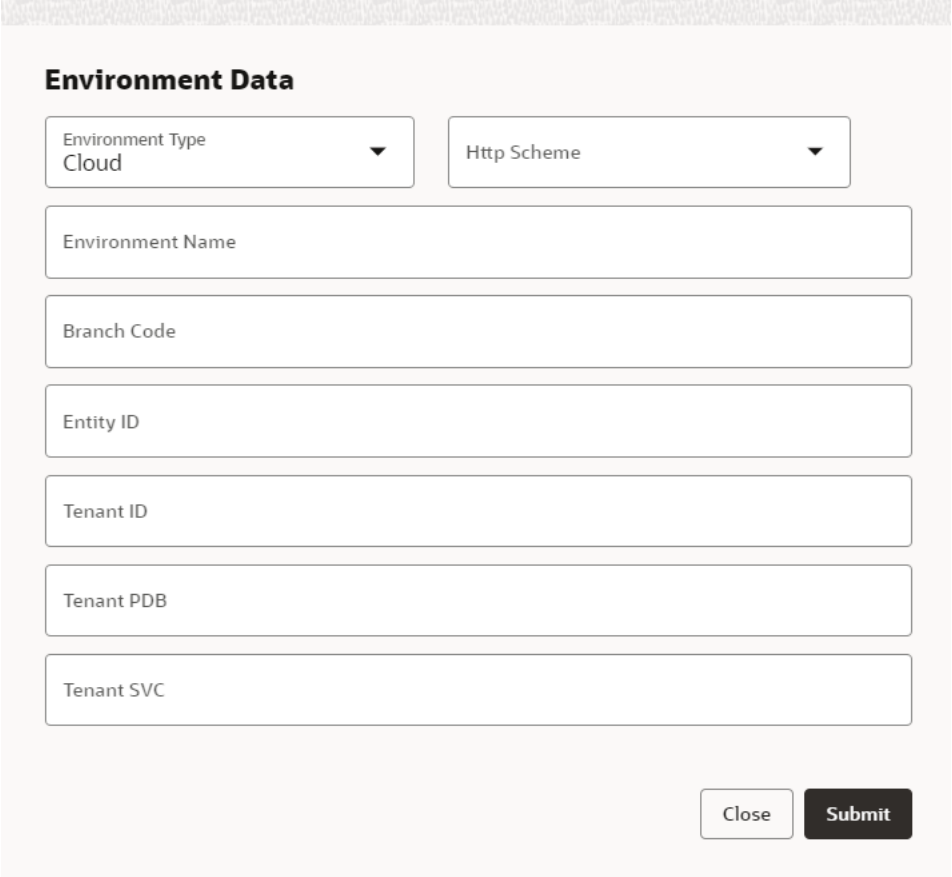
The **Environment Data** screen displays.

Figure 1-2 Environment Data



3. Specify the details on **Environment Data** screen.

   For more information on fields, refer to the field description table.

Table 1-1 Environment Data

Field	Description
Environment Type	Select the type from the drop-down list. The available options are : • **On-Prem** • **Cloud**
Http Scheme	Select the scheme from the drop-down list. The available options are : • **http** • **https**
Environment Name	Specify the name of the target environment.
Branch Code	Specify the branch code.
Entity ID	Specify the entity id.
Tenant ID	Specify the tenant id. This field appears if the **Environment Type** is selected as **Cloud**.
Tenant PDB	Specify the tenant pdb. This field appears if the **Environment Type** is selected as **Cloud**.

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Table 1-1 (Cont.) Environment Data

Field	Description
Tenant SVC	Specify the tenant svc. This field appears if the **Environment Type** is selected as **Cloud**.

4. Click **Submit** to save the target environment.
5. Click **View**, **Edit**, and **Delete** for the respective actions in the created target environments.

1.2 Export Screens

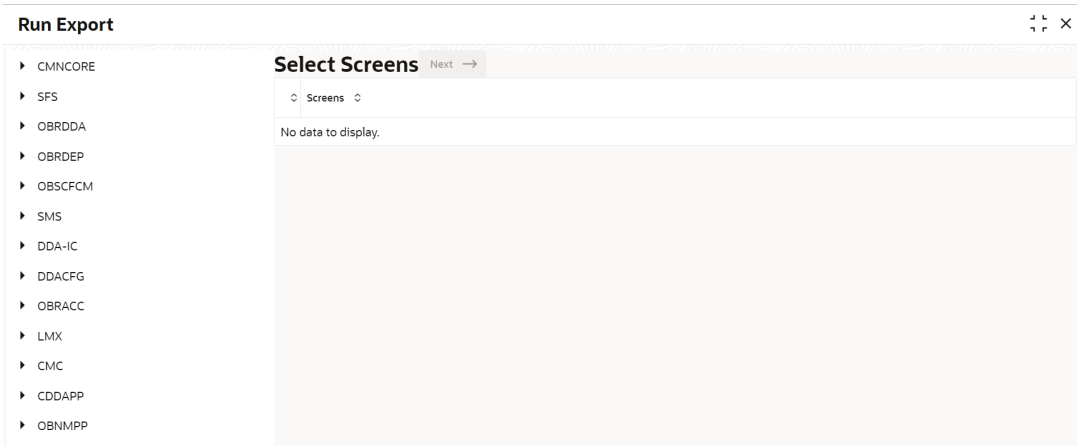
This topic describes systematic instructions to export maintenance from source environment.

Specify **User ID** and **Password**, and login to **Home** screen. For information on login procedure, refer to the *Getting Started User Guide*.

1. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Export**.
2. Under **Export**, click **Run Export**.

   The **Run Export** screen displays.

Figure 1-3 Run Export



3. Select the source environment from the left panel.
4. Select the maintenances to be exported from the source environment.
5. Click **Next** and **Submit** to save to maintenances.

   The **Success** screen displays with maintenance export ID.

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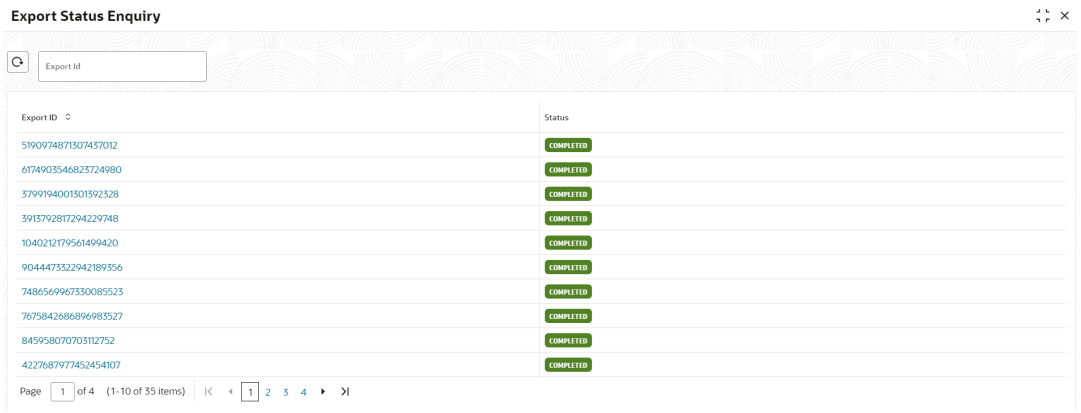
Figure 1-4 Success - Run Export

To View Export Status

6. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Export**.
7. Under **Export**, click **Export Status Enquiry**.

   The **Export Status Enquiry** screen displays.

Figure 1-5 Export Status Enquiry



For more information on fields, refer to the field description table.

Table 1-2 Export Status Enquiry

Field	Description
Export ID	Displays the exports id's.
Status	Dsiplays the export status.

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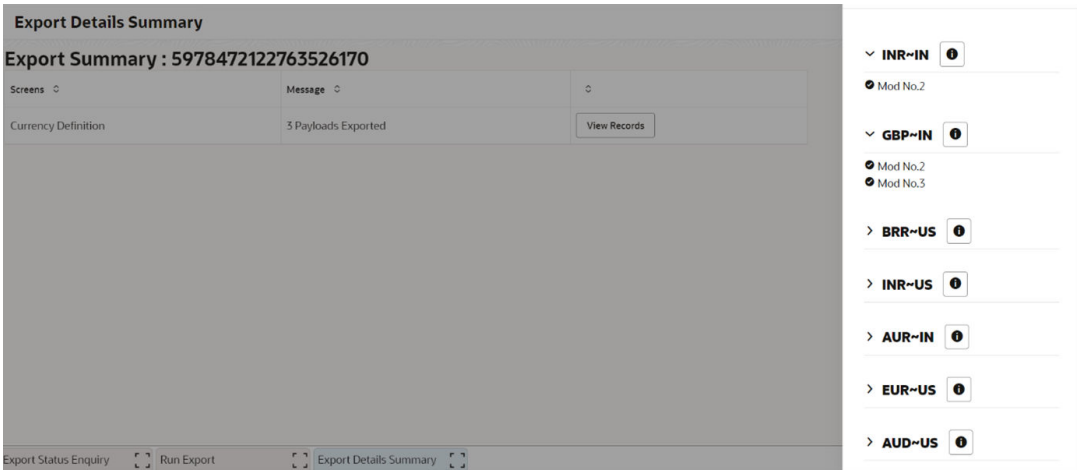
Figure 1-6 Export Details

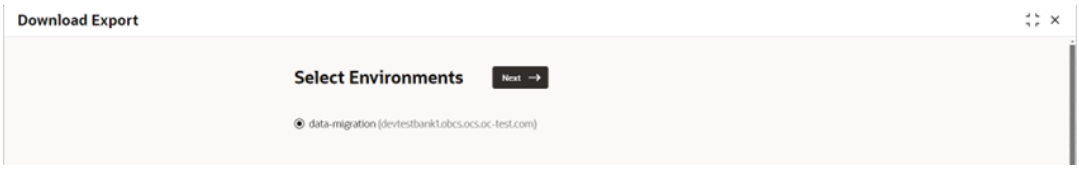


To down Export

8. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Export**.
9. Under **Export**, click **Download Export**.

   The **Download Export** screen displays.

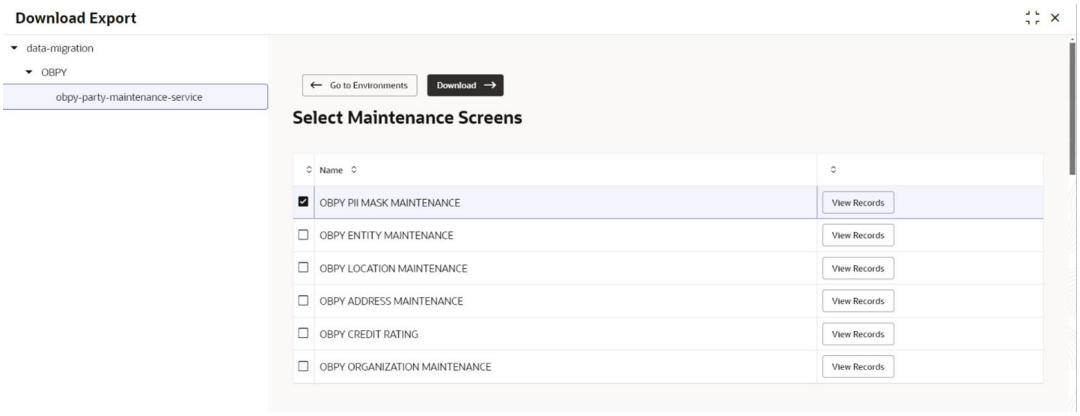
Figure 1-7 Download Export



10. Select the **Source Environments** and click **Next**.

    The **Download Export - Select Maintenance Screens** displays.

Figure 1-8 Download Export - Select Maintenance Screens



For more information on fields, refer to the field description table.

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Table 1-3 Download Export - Select Mainenance Screens

Field	Description
Name	Displays the avaliable maintenance screen from the source environment.
View Records	Click the icon to view the maintenance screen records.

11. Choose the source maintenance service from the left panel and check the box next to it on the **Select Maintenance Screens**.
12. On **Download Export** screen click **Download** to download the selected maintenance file.

    This screen provides a detailed summary of the export operation.
13. Click **View Records**, it displays the full details of all records imported can be viewed.

1.3 Import Screens

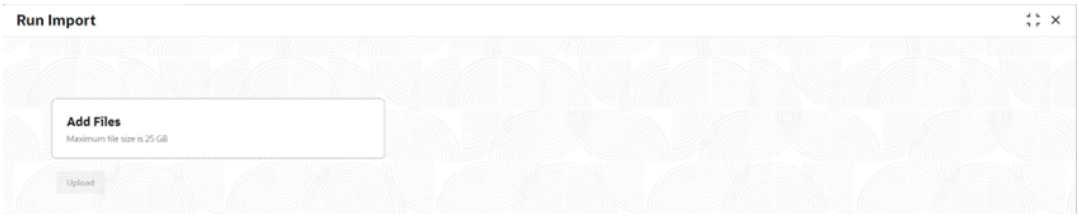
This topic describes about the instructions to import maintenance from target environment.

Specify **User ID** and **Password**, and login to **Home** screen. For information on login procedure, refer to the *Getting Started User Guide*.

1. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Import**.
2. Under **Import**, click **Run Import**.

   The **Run Import** screen displays.

Figure 1-9 Run Import



3. Click **Add Files** to upload the maintenance export and click **Upload**.

   The **Success - Config File** screen dissplays with config upload ID.

Figure 1-10 Success - Config File

To View Import Status

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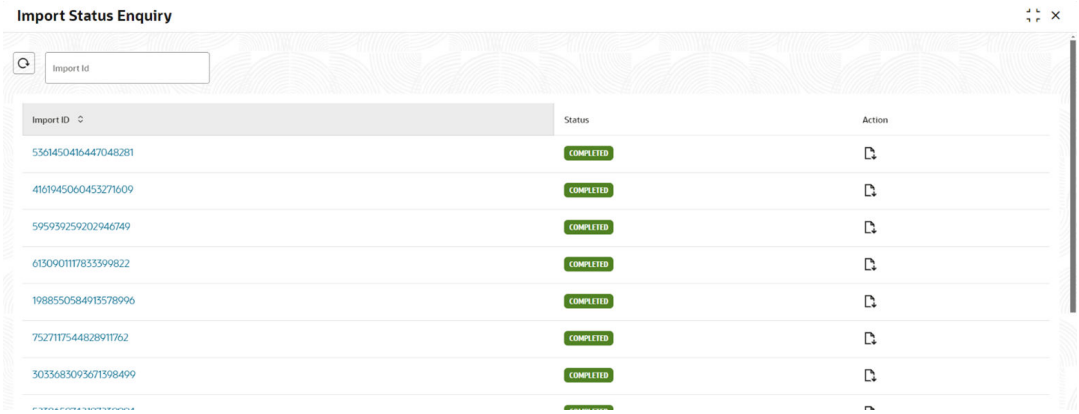
4. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Import**.
5. Under **Import**, click **Import Status Enquiry**.

   The **Import Status Enquiry** screen displays.

Figure 1-11 Import Status Enquiry



For more information on fields, refer to the field description table.

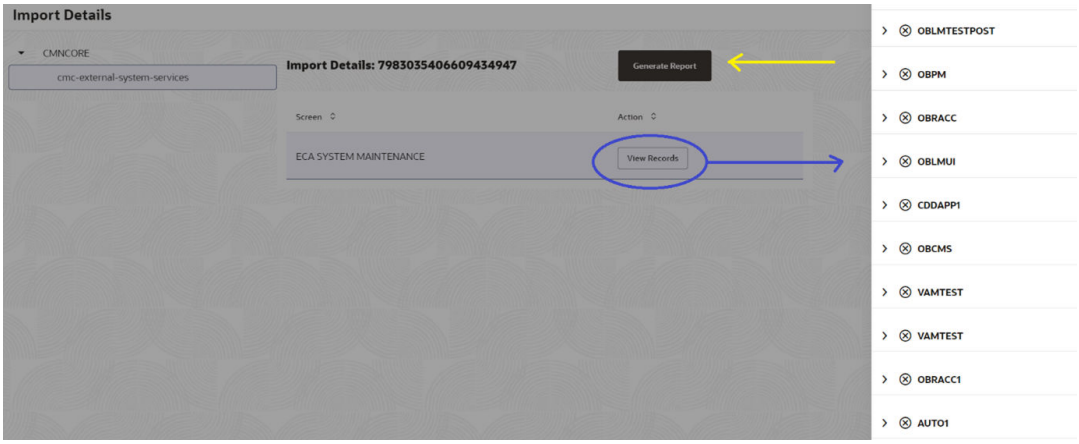
Table 1-4 Import Status Enquiry

Field	Description
Import ID	Displays the import id's.
Status	Dsiplays the export status.
Actions	Click the icon to download.

6. Click **Action**, it will download the **ACK** file (which is to be uploaded in the upload ACK Screen).

   The Import details screen is launched on click of the hyperlinked import ID and summarizes the import operation.

Figure 1-12 Import Details



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7. Click **View Records**, it displays the full details of all records imported can be viewed.

   Click **Generate Report** to download the report summarizing the import operation.

1.4 Upload ACK Screen

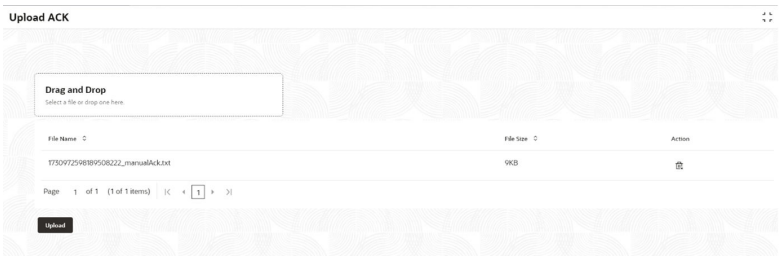
This topic describes about the instructions to acknowledge the import.

Specify **User ID** and **Password**, and login to **Home** screen. For information on login procedure, refer to the *Getting Started User Guide*.

1. On **Home** screen, click **Config Transport**, under **Config Transport**, click **Upload ACK**.

   The **Upload ACK** screen displays.

Figure 1-13 Upload ACK



2. On **Upload ACK** screen, **Drag and Drop** to select a file and **Upload** to upload the acknowledgement.a

> **Note**
>
> The removal of the previously exported maintenance will be initiated by the upload of an acknowledgement.

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