

Oracle® Cloud

Import Contacts from Oracle ATP to Oracle Responsys



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Preface

This document describes how to install, configure, and run this recipe in Oracle Integration 3.

Topics:

- [Documentation Accessibility](#)
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Related Resources

For more information, see these Oracle resources:

- Oracle Integration documentation on the Oracle Help Center.
- Oracle Cloud at <http://cloud.oracle.com>.

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.

Convention	Meaning
<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.

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About This Recipe

Use this recipe to import contact details from Oracle Autonomous Transaction Processing (ATP) database to Oracle Responsys.



Note:

This recipe is available as **Oracle ATP — Oracle Responsys | Import Contacts** in Oracle Integration. Oracle provides this recipe as a sample only. The recipe is meant only for guidance, and is not warranted to be error-free. No support is provided for this recipe.

Overview

This is an application driven recipe and is triggered whenever customer details are created in Oracle ATP database using SQL Developer. Subsequently, a corresponding customer details record is created in Oracle Responsys.

To use the recipe, you must install the recipe and configure the connections and other resources within it. When a customer's contact information is created in Oracle ATP database using SQL Developer, the integration flow is triggered, and it creates a corresponding customer contact record in Oracle Responsys. Basic information such as customer ID, email, first name, and last name are synchronized between the Oracle ATP and Oracle Responsys platforms.

System and Access Requirements

- Oracle Integration, Version 24.08 or higher
- Oracle Responsys
- An account on Oracle Responsys with the Administrator role
- Oracle ATP
- An account on Oracle ATP with the Administrator role
- Oracle SQL Developer

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Before You Install the Recipe

You must perform the following configuration tasks on your Oracle SQL Developer instance to successfully connect to Oracle Integration and import customer contact details from Oracle ATP database to Oracle Responsys.

Log in to Oracle SQL Developer instance as an **Administrator** and perform the following tasks.

1. Create a new connection to Oracle ATP Database using Oracle SQL Developer
 - a. Under the **Connections** pane on the left, click the plus sign **+** to create a new connection.
 - b. In the New/Select Database Connection window, enter the following details:
 - i. Enter the **Name** of the connection.
 - ii. Enter the **Username** and **Password**.
 - iii. Select **Cloud Wallet** from the **Connection Type** drop-down list.
 - iv. Click **Browse** next to the **Configuration File** field and upload the Oracle ATP wallet file. To obtain the wallet file, see Prerequisites for Creating a Connection.
 - v. Enter the **Service**.
 - vi. Click **Test** to check if the connection is successful.
 - vii. Click **Save**.

The new connection appears under the Connection pane.

2. Create a new database table.
 - a. Under the Connection pane, expand the new connection to load all the objects under it.
 - b. Right-click **Tables (Filtered)** and select **New Table** from the menu that displays.
 - c. In the Create Table window, enter the name of the table in the **Name** field.
 - d. Define the Name and Datatype columns in the table by entering the following information.

Column Name	Datatype
CUSTOMERID	VARCHAR2(100 BYTE)
EMAIL	VARCHAR2(100 BYTE)
FIRSTNAME	VARCHAR2(100 BYTE)
LASTNAME	VARCHAR2(100 BYTE)

- e. Commit the changes.
3. Send the data from the newly created database table to a queue table by running the following script: [Oracle_SQL_Developer_script](#).


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Install and Configure the Recipe

On your Oracle Integration instance, install the recipe to deploy and configure the integration and associated resources.

1. On the Oracle Integration Home page, in the **Get started** section, click **Browse store**.
2. Find the recipe you want to install, then click **Get**.

A message confirms that the recipe was successfully installed, and the recipe card shows **In use**.

3. Click **Configure**  on the recipe to configure its resources.

The project workspace opens, displaying all the resources of the recipe. Configure the following resources before you activate and run the recipe.

Configure the AQ Cloud Connection

1. In the Connections section, click the connection name.
2. In the Properties section, enter the following details:

Field	Information to Enter
Host	Not required if you are using Oracle Wallet as the security policy.
Port	Not required if you are using Oracle Wallet as the security policy.
SID	Not required if you are using Oracle Wallet as the security policy.
Service Name	Enter the logical representation of a service used for client connections.



Note:

The Service Name should be kept low profile and should be same as the `tnsnames.ora` file in the wallet. To know more, see [Service Name Specified on the Connections Page is Too Long](#).

3. In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Select Oracle Wallet .


Field	Information to Enter
Wallet	Select the checkbox and click Upload to upload the wallet file in .zip format. See the Prerequisites to Use the Oracle Wallet Security Policy section in Prerequisites for Creating a Connection.
Wallet Password	Enter the wallet password.
Database Service Username	Enter the database username to connect to the Oracle Advanced Queuing (AQ) server account.



Note:

The Database Service Username is not the same as the Service Name which you specified in the Properties section above.

Database Service Password	Enter the database password to connect to the Oracle Advanced Queuing (AQ) server account.
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- Click **Save**. If prompted, click **Save** again.
- Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.
A message confirms if your test is successful.
- To return to the project workspace, click **Go back** .

Configure the Oracle Responsys Connection

- In the Connections section, click the connection name.
- In the Properties section, enter the Oracle Responsys log in URL.




Note:

The URL is provided by Oracle Support Services when Web Services is enabled on your account.

- In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Select Custom Security Policy .
Username	Enter the username provided by Oracle Support Services once Web Service is enabled on your account.
Password	Enter the Password provided by Oracle Support Services once Web Service is enabled on your account.

- Click **Save**. If prompted, click **Save** again.
- Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.
A message confirms if your test is successful.


6. To return to the project workspace, click **Go back** .

Configure the Lookup Table


Edit the **ORCL-BRT-RESPONSYS_PROPERTIES** lookup table to map ATP customer details to Oracle Responsys customer details.

1. In the Lookups section, click the lookup name.
2. The **ORCL-BRT-RESPONSYS_PROPERTIES** lookup table is used to store customer contact details. Edit it as necessary.

Key	Description	Example
HtmlValue	Value of incoming preferred email format data. For example, H may represent a preference for HTML formatted email.	H
OptinValue	Value of incoming opt-in status data that represents an opt-in status. For example, 1 may represent an opt-in status.	1
TextValue	Value of incoming preferred email format data. For example, T may represent a preference for Text formatted email.	T
InsertOnNoMatch	Indicates what should be done for records where a match is not found (true = insert / false = no insert).	true
UpdateOnMatch	Controls how the existing record should be updated.	REPLACE_ALL
MatchColumnName1	First match column for determining whether an insert or update should occur.	EMAIL_ADDRESS_
MatchOperator	Controls how the boolean expression involving the match columns is constructed to determine a match between the incoming records and existing records.	NONE
DefaultPermissionStatus	Controls how the boolean expression involving the match columns is constructed to determine a match between the incoming records and existing records.	OPTIN

3. Click **Save**. If prompted, click **Save** again.
4. To return to the project workspace, click **Go back** .

Update Integration Properties

1. In the Integrations section, click **Actions**  on the integration flow, then select **Update property values**.

2. In the Update property values panel, update the integration properties with appropriate values.
 - a. **EmailTo:** This integration property holds the email address to which error notifications are sent.
 - b. **retryCount:** This integration property holds the number of retries when an invoke fails. The default value is 3.
3. Click **Submit**.

A message confirms that the integration properties have been updated successfully.

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Activate and Run the Recipe

After you've configured the connections and other resources, you can activate and run the recipe.



Note:

Ensure that you create customer contact table in Oracle ATP database and queue its data into a queue table before activating and running the recipe. See [Before You Install the Recipe](#).

1. In the project workspace, click **Activate**. In the Activate project panel, with the default project deployment selected, choose an appropriate tracing option, then click **Activate**.
A message confirms that the integration has been activated. Refresh the page to view the updated status of the integration.
2. Run the recipe.
 - a. In the Integrations section of the project workspace, click **Actions** ... on the integration flow, then select **Run**.
 - b. On the Configure and run page, click **Run**.
You've now successfully submitted the integration for execution.



Note:

You can also schedule this integration to run at a date, time, and frequency of your choosing. See [Define the Integration Schedule](#).

3. Monitor the running of the integration flow in Oracle Integration.
 - a. In the project workspace, click **Observe**. You'll see the integration flow being triggered and running successfully.
 - b. To manage errors in your project, see [Manage Errors in a Project](#).
4. Log in to your Oracle Responsys instance and check for the new contact information.
 - a. Navigate to **Data** and then to **Profile List**.
 - b. Select **List_EF** in the **Change List** drop-down list.
 - c. In the List Information window that appears, click **View Records**.

An AS/List_EF window loaded with imported data appears where you can view the successfully imported customer contact details from Oracle ATP.

Related Documentation

- [Using the Oracle Advanced Queuing \(AQ\) Adapter with Oracle Integration 3](#)
- [Using the Oracle Responsys Adapter with Oracle Integration 3](#)