

Oracle® Cloud

Create Customers in Shopify for Salesforce Accounts



G16934-01
October 2024



Oracle Cloud Create Customers in Shopify for Salesforce Accounts,
G16934-01

Copyright © 2024, Oracle and/or its affiliates.

Primary Author: Oracle Corporation

Contents

1 About This Recipe

Overview	1-1
System and Access Requirements	1-1

2 Before You Install the Recipe

Configure Salesforce	2-1
Configure Azure Service Bus	2-2
Configure Shopify	2-2

3 Install and Configure the Recipe

Configure the Oracle Salesforce Connection	3-1
Configure the Oracle Azure Service Bus Connection	3-1
Configure the Oracle Shopify Connection	3-2
Update Integration Properties	3-3

4 Activate and Run the Recipe

Preface

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

Topics:

- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Related Resources](#)
- [Conventions](#)

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.

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.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

About This Recipe

Use this recipe to create customer records in Shopify for accounts in Salesforce using Azure Service Bus.

Note:

This recipe is available as **Salesforce — Shopify | Create Customers for Accounts** 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 an account is created in Salesforce. The account details are first published to Azure Service Bus. Subsequently a corresponding customer record is created in Shopify by subscribing to Azure Service Bus.

To use the recipe, you must install the recipe and configure the connections and other resources within it. When an account is created in Salesforce, the integration flow is triggered. The recipe first publishes the account details to Azure Service Bus and subsequently it subscribes to Azure Service Bus and creates a corresponding customer record for the account in Shopify. Basic information such as ACCOUNT_NAME, ACCOUNT_EMAIL, ACCOUNT_PHONE, BILLINGSTREET, BILLINGCITY, BILLINGSTATE, BILLINGCOUNTRY AND BILLINGPOSTALCODE are synchronized between the two platforms.

System and Access Requirements

- Oracle Integration, Version 24.10 or higher
- Salesforce
- An account on Salesforce with the Administrator role
- Shopify
- An account on Shopify with the Administrator role
- Azure Service Bus
- An account on Azure Service Bus with the Administrator role

2

Before You Install the Recipe

You must perform the following configuration tasks on your Salesforce, Shopify and Azure Service Bus instances to successfully connect to these external systems using Oracle Integration and create corresponding customer records in Shopify for Salesforce accounts, using Azure Service Bus

Configure Salesforce

To access Salesforce from Oracle Integration and create customers for accounts, you must perform certain configurations on your Salesforce instance.

You must create a user account on Salesforce for Oracle Integration. You'll use the credentials of this user account while configuring the Salesforce connection in Oracle Integration.

Also, identify your Salesforce instance type and your current Salesforce API version. In addition, create an account to trigger the **Oracle Salesforce AzureSB Shopify** integration flow of the recipe. To do so, login to your Salesforce instance as an **Administrator** and perform the following steps:

1. You need username and password to configure connection with Oracle Integration. To retrieve the credentials, perform the tasks in Prerequisites to Use the Salesforce Username Password Security Policy.
2. Identify your current Salesforce API version. See Find Your Current Salesforce API Version.
3. Identify your Salesforce instance type. See Identify the Instance Type of Your Salesforce Organization.
4. Define your **Platform Event** which enables Salesforce adapter to receive account creation notification. See Prerequisites to Use Platform Events.
5. Follow the steps below to create the **Apex Trigger**.
 - a. Log in to your Salesforce instance.
 - b. Go to profile name, and then **Setup**.
 - c. Search `Apex Trigger` in the **QuickFind** search box present on the left panel.
 - d. Click **Developer Console**.
 - e. In the Developer Console window that appears, click **File**, then **New**, and then **Apex Trigger**.
 - f. In the New Apex Trigger window, enter the name of the trigger in the **Name** field and select the **sObject** from the drop-down list.
 - g. Click **Submit**.

A new Apex trigger is created.
 - h. Write the business logic as per the requirement and save it. Debug any errors that you encounter.

The newly created trigger now appears in the Apex Trigger list.

 **Note:**

For this recipe, refer to the following sample Apex Trigger file:
[SFDC_SHOPIFY_CREATE_ACC_Trig_APEXCode.tgr](#).

Configure Azure Service Bus

To access Azure Service Bus from Oracle Integration you must perform certain configurations on the Azure Portal.

1. Register an application in the Azure portal and obtain the tenant ID and client ID. See [Register an Application](#).
2. Create a new client secret. See [Create a New Client Secret](#).
3. Create a new service bus namespace. See [Create a namespace in the Azure portal](#).
4. Ensure firewall port permissions are verified by:
 - a. Confirming accessibility to the Advanced Message Queuing Protocol (AMQP) ports 5671 and 5672.
 - b. Confirming that the endpoint is permitted through the firewall.
5. Create a queue within the namespace which you created in step3 above. For example: `queue_sf_to_shopify`.

You can now use this queue to consume and publish messages using Oracle Integration.

Configure Shopify

To configure Shopify, see [Prerequisites for Creating a Connection](#).

3

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 Oracle Salesforce Connection

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

Field	Information to Enter
Select Salesforce.com Instance Type	Select Sandbox as the instance type. See Configure Salesforce .
API version	Enter 61 as the Salesforce API version.

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

Field	Information to Enter
Security Policy	Select Username Password Token .
Username	Enter the username of the account created for Oracle Integration on the Salesforce instance. See Configure Salesforce .
Password	Enter the password of the account created for Oracle Integration on the Salesforce instance.

4. Click **Save**. If prompted, click **Save** again.
5. 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 Oracle Azure Service Bus Connection

1. In the Connections section, click the connection name.

- In the Properties section, enter the following details:

Field	Information to Enter
Tenant Id	Enter the tenant Id which you receive after registering your app on Azure Portal. See Configure Azure Service Bus .
Namespace	Enter <code>OICStandardNamespace</code> as your Azure Service Bus Namespace.

- In the Security section, enter the following details:

Field	Information to Enter
Client Id	Enter the client Id. See Configure Azure Service Bus .
Client Secret	Enter the client secret.
Password	Enter the password of the account created for Oracle Integration on the Oracle CX Sales and B2B Service instance.

- 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 Shopify Connection

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

Field	Information to Enter
Hostname	Enter the Shopify host name. The Shopify hostname appears in the Shopify home URL. For example: <code>https://hostname.myshopify.com</code>
Shopify-REST API version	Enter the REST API version. For example, <code>2024-01</code> .

- In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Select Shopify Security Policy .
Username	Enter the API Key you receive after performing the prerequisite step to create a connection. See Configure Shopify .
Password	Enter the password you receive after performing the prerequisite step to create a connection.
(optional)Shared Secret	Enter the shared secret you receive after performing the prerequisite step to create a connection.

- 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** .

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 id to which error notifications have to be 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.

4

Activate and Run the Recipe

After you've configured the connections and other resources, you can activate and run 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 integrations have been activated. Refresh the page to view the updated status of the integrations.

2. Run the recipe.

- a. Create an account in Salesforce.

- i. Log in to your Salesforce instance.
- ii. Go to the **Accounts** tab. A list of recently created accounts appear.
- iii. Click **New**.
- iv. In the Account Edit page, enter the following details
 - Account information such as **Account Name**, **Phone**, **email**, **City_Name**.
 - Address information
 - Any additional details, if required.
- v. Click **Save**.

You've successfully created an account in Salesforce and triggered the **Oracle Salesforce Azure SB Receive Account Created** integration flow. The integration now creates a corresponding entry in Azure Service Bus queue for the newly created Salesforce account.

- b. View the newly created customer account in Azure Service Bus Queue.

- i. Log in to your Azure Service Bus instance.
- ii. Go to the namespace **OICStandardNamespace**.
- iii. Refresh the queue list to fetch the message.
- iv. Select the queue (for example, **queue_sf_to_shopify**) which you have created while configuring Azure Service Bus.
- v. Click **Service Bus Explorer** then **Peek from Start** to see the complete message (here customer account details).

- c. Run the **Oracle AzureSB Shopify Customer Creation** integration flow.

- i. In the Integrations section of the project workspace, click **Actions** **...** on the integration flow, then select **Run**.
- ii. On the Configure and run page, click **Run**.

You've now successfully submitted the integration for execution. The integration now fetches the account details from Azure Service Bus and creates a corresponding customer in Shopify.

 **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 running of the integration flows in Oracle Integration.
 - a. In the project workspace, click **Observe**. You'll see the integration flows being triggered and running successfully.
 - b. To manage errors in your project, see [Manage Errors in a Project](#).
4. Check if a new customer (corresponding to the new Salesforce account created in step 2a) has been created in Shopify.
 - a. Log in to your Shopify instance.
 - b. Go to **Customers**.
 - c. Refresh the page to see the newly created customer in the list.

Related Documentation

- [Using the Salesforce Adapter with Oracle Integration 3](#)
- [Using the Shopify Adapter with Oracle Integration 3](#)
- [Using the Azure Service Bus Adapter with Oracle Integration 3](#)