

Oracle® Cloud

Sync ESG Data from EcoVadis to Suppliers in Oracle Procurement Cloud



G10558-01
July 2024



Oracle Cloud Sync ESG Data from EcoVadis to Suppliers in Oracle Procurement Cloud,
G10558-01

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Preface

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

Topics:

- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
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Documentation Accessibility

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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.
<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 synchronize environment, social and government (ESG) data from EcoVadis to suppliers in Oracle Procurement Cloud.



Note:

This recipe is available as **Oracle Procurement Cloud — EcoVadis | Sync Supplier ESG Data** 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 event-driven recipe that synchronizes ESG data from EcoVadis to Oracle Procurement Cloud suppliers that are created during supplier registration.

To use the recipe, you must install the recipe and configure the connections and other resources within it. When a new supplier is created from registration in Oracle Procurement Cloud, a business event is raised. The first integration flow, **Supplier EcoVadis Request ESG Score** is triggered by the event and a request is sent to EcoVadis. This request contains the key information about the supplier including supplier number which is used as the integration id to uniquely identify the supplier in the second integration flow. EcoVadis will use the information in the request to locate the company on its platform or launch the assessment process for ESG scores if needed. The second integration flow, **Supplier EcoVadis Sync ESG Score** is run regularly (preferably daily) to retrieve the latest ESG data from EcoVadis and update the supplier profiles with matching integration ids.

System and Access Requirements

- Oracle Integration, Version 24.06 or higher
- Oracle Procurement Cloud
- An account on Oracle Procurement Cloud with Supplier Manager and Application Administrator roles
- EcoVadis

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Before You Install the Recipe

You must perform the following configuration tasks on your Oracle Procurement Cloud and EcoVadis instances in order to successfully connect to these external systems using Oracle Integration, and sync ESG data from EcoVadis to Oracle Procurement Cloud suppliers.

Configure Oracle Procurement Cloud

To access the Oracle Procurement Cloud instance from Oracle Integration you'll require a separate user account on Oracle Procurement Cloud.

Log in to your Oracle Procurement Cloud instance as a **Application Administrator** and perform the following tasks.

1. Create a user account for Oracle Integration. Make a note of the user name and password you set for the account. You'll use the credentials of this user account to connect to Oracle Procurement Cloud from Oracle Integration.
2. Assign the following roles to the user account. For more information on these roles, see [Assign Required Roles to an Integration User](#).
 - `Integration Specialist`
 - `Oracle ERP Cloud-specific data access to the integration user`
3. Create a custom role by copying **Supplier Manager** (`ORA_POZ_SUPPLIER_MANAGER_ABSTRACT`) role and assign the privilege **Update Supplier Pending Spend Authorization Using REST Service** (`POZ_UPDATE_SUPPLIER_PENDING_SPENDAUTH_VIA_REST_PRIV`) to the custom role. See [Role Copying or Editing](#). This will allow updating supplier profile with EcoVadis ESG data.
4. Assign the custom role to the user account created above.
5. Configure supplier descriptive flexfields:
 - a. Navigate to the Setup and Maintenance work area.
 - b. Search for the setup task `Manage Supplier Descriptive Flexfields` and click **POZ_SUPPLIERS**.
 - c. Click **Edit**.
 - d. Refer to the following table to configure global segments where the ESG data from EcoVadis will be stored on the supplier profile.



Note:

Ensure that you specify the values given in the table below for **API Name**, **Data Type** and **Value Set**.

For other fields, you can enter values according to your specific requirements.

Name	Code	API Name	Data Type	Table Column	Value Set	Prompt	Display Type	Readonly
EcoVadis Current Stage	EV_Current_Stage	EVCurrentStage	Character	POZ_SUPPLIER.S.ATTRIBUTE16	60 Characters	EcoVadis Current Stage	Text Box	Y
EcoVadis Progress Status	EV_Progress_Status	EVProgressStatus	Character	POZ_SUPPLIER.S.ATTRIBUTE17	60 Characters	EcoVadis Progress Status	Text Box	Y
EcoVadis Sharing Status	EV_Sharing_Status	EVSharingStatus	Character	POZ_SUPPLIER.S.ATTRIBUTE18	60 Characters	EcoVadis Sharing Status	Text Box	Y
EcoVadis Request Outcome	EV_Request_Outcome	EVRequestOutcome	Character	POZ_SUPPLIER.S.ATTRIBUTE19	60 Characters	EcoVadis Request Outcome	Text Box	Y
Score Expired	EV_Score_Expired	EVScoreExpired	Character	POZ_SUPPLIER.S.ATTRIBUTE20	10 Characters	EcoVadis Score Expired	Text Box	Y
Global Score	EV_Global_Score	EVGlobalScore	Number	POZ_SUPPLIER.S.ATTRIBUTE6	3 Digits	EcoVadis Global Score	Text Box	Y
Environment Score	EV_Env_Score	EVEnvScore	Number	POZ_SUPPLIER.S.ATTRIBUTE7	3 Digits	EcoVadis Environment Score	Text Box	Y
Labor & Human Rights Score	EV_Lab_Score	EVLabScore	Number	POZ_SUPPLIER.S.ATTRIBUTE8	3 Digits	EcoVadis Labor & Human Rights Score	Text Box	Y
Ethics Score	EV_Fbp_Score	EVFbpScore	Number	POZ_SUPPLIER.S.ATTRIBUTE9	3 Digits	EcoVadis Ethics Score	Text Box	Y
Sustainable Procurement Score	EV_Sup_Score	EVSupScore	Number	POZ_SUPPLIER.S.ATTRIBUTE10	3 Digits	EcoVadis Sustainable Procurement Score	Text Box	Y
Score Published Date	EV_Score_Published_Date	EVScorePublishedDate	Date	POZ_SUPPLIER.S.ATTRIBUTE9	FND_DATE_STANDARD	EcoVadis Score Published Date	Text Box	Y

Name	Code	API Name	Data Type	Table Column	Value Set	Prompt	Display Type	Readonly
Sharing Acceptance Date	EV_Sharing_Accepted_Date	EVSharingAccepted Date	Date	POZ_SUPPLIER.S.ATTRIBUTE_DATE10	FND_DATE_STAR	EcoVadis Score Sharing Acceptance Date	Text Box	Y

- e. Save and deploy the flexfields. For more information on setting up descriptive flexfields, see [Overview of Descriptive Flexfields](#).
6. Use page composer to make phone required during supplier registration. Phone number for supplier contact is required in the request sent to EcoVadis (see [Modify UI Components Using Page Composer](#)). If you have enabled **Redwood: Next Generation User Experience for Supplier Registration** feature, refer to the [What's New](#) on how to make phone required in the registration flow.
7. Opt-in to feature **Enable Outbound Supplier Profile Integration Using Oracle Integration Cloud**.
 - a. From the navigator, go to **My Enterprise** and then **Offerings**.
 - b. Select **Procurement** and click **Opt-in Features**.
 - c. Click the Features pencil icon for **Suppliers**.
 - d. For feature **Enable Outbound Supplier Profile Integration Using Oracle Integration Cloud**, select the **Enable** checkbox.

For more information on this Opt-in feature, see [Outbound Supplier Profile Integration Using Oracle Integration Cloud](#).

For more information on how to configure offerings, see [Configure Offerings](#).

Configure EcoVadis

To access EcoVadis from Oracle Integration and synchronize ESG scores, you'll need to have a valid EcoVadis subscription and an account to access EcoVadis APIs.

For more information on these configuration tasks, see [EcoVadis Help Center](#).


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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 ERP Connection

1. In the Connections section, click the connection name.
2. In the Properties section, enter the Oracle ERP Cloud host name. For example: `https://your_domain_name.fa.ocs.oraclecloud.com`.
3. In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Select Username Password Token .
User Name	Enter the user name of the account created for Oracle Integration on the Oracle Procurement Cloud instance. See Before You Install the Recipe .
Password	Enter the password of the account created for Oracle Integration on the Oracle Procurement Cloud 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 ERP REST Connection

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

Field	Information to Enter
Connection Type	Select REST API Base URL

- | Field | Information to Enter |
|-----------------------|---|
| Connection URL | Enter the connection URL. For example: <code>https://your_domain_name.fa.ocs.oraclecloud.com</code> |
3. In the Security section, enter the following details:
- | Field | Information to Enter |
|------------------------|---|
| Security Policy | Select Basic Authentication . |
| User Name | Enter the user name of the account created for Oracle Integration on the Oracle Procurement Cloud instance. See Before You Install the Recipe . |
| Password | Enter the password of the account created for Oracle Integration on the Oracle Procurement Cloud 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 EcoVadis Connection

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

Field	Information to Enter
Connection Type	Select REST API Base URL .
Connection URL	Specify the URL of your EcoVadis instance. For example: <code>https://api-sandbox.ecovadis-survey.com</code>

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


Field	Information to Enter
Security Policy	Select OAuth Custom Two Legged Flow .
Access Token Request	-X POST -d grant_type=password&username=xxxxx&password=xxxxx <code>https://api-sandbox.ecovadis-survey.com/EVToken</code>

4. Under Optional security, enter the following details:

Field	Information to Enter
Refresh Token Request	-X POST -d grant_type=password&username=xxxxx&password=xxxxx <code>https://api-sandbox.ecovadis-survey.com/EVToken</code>
\$access_token	access_token
\$refresh_token	access_token
\$expiry	expires_in
\$token_type	token_type
access_token_usage	-H Authorization: \${token_type} \${access_token}

5. Click **Save**. If prompted, click **Save** again.
6. 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.


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

Configure the Lookup Table

Edit the field names and corresponding values in the lookup table of the recipe.

1. In the Lookups section, click the lookup name **EcoVadis**.
2. Update the fields and corresponding values in the lookup table.

EcoVadis Field	Value
buyer_contact_first_name	Specify the first name of the internal user in your buying organization who will be responsible for communication with EcoVadis. A valid value is required.
buyer_contact_last_name	Specify the last name of the internal user in your buying organization who will be responsible for communication with EcoVadis. A valid value is required.
buyer_contact_email	Specify the email address of the internal user in your buying organization who will be responsible for communication with EcoVadis. A valid value is required. Do not use mailing list email.
buyer_phone	Specify the phone number of your buying organization that can be used for communication with EcoVadis. A value is optional.
campaign_type	Enter STD for long standard assessment process (12- 14 weeks) with EcoVadis. Enter RFP for short assessment process (Request For Proposal 4-6 weeks) with EcoVadis. A value is required.
data_last_update_in_days	Enter integer value larger than zero (0). Use this to specify the number of days in the past that the integration would look for ESG data update. For example, when set as 1, the integration will look for ESG data updated in the past one day. A value is required.

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

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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.

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 integration.

2. Run the recipe.

- a. Log in to your Oracle Procurement Cloud instance. Submit and approve a supplier registration. See [Supplier Registration Process](#).

This triggers the **Supplier EcoVadis Request ESG Score** integration. On successful execution of the integration flow, a request for ESG data will be sent to EcoVadis.

- b. In the Integrations section of the project workspace, click **Actions** ■■■ on the **Supplier EcoVadis Sync ESG Score** integration flow, then select **Run**.
- c. On the Configure and run page, click **Run**.

You've now successfully submitted the **Supplier EcoVadis Sync ESG Score** 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](#). It is recommended to run this integration daily.

3. Monitor the running of the integration flows 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 Oracle Procurement Cloud and navigate to the Suppliers work area. Check if the EcoVadis data is updated onto the supplier profile.

Related Documentation

- [Using the Oracle ERP Cloud Adapter with Oracle Integration 3](#)
- [Using the REST Adapter with Oracle Integration 3](#)
- [EcoVadis Help Center](#)
- [Oracle Procurement Cloud - Suppliers Overview](#)
- [Oracle Procurement Cloud - Suppliers REST API](#)