

Avalara Commercetools Connector User Guide

The Avalara Commercetools Connector is an API-based solution automating transaction tax calculations and the tax filing process. Avalara provides real-time tax calculation using tax content from more than 12,000 US taxing jurisdictions and over 200 countries, insuring your transaction tax is calculated based on the most current tax rules.

This is a [connect application](#) to integrate Avalara Tax calculation and Reports services into Commercetools. It follows the folder structure to ensure certification & deployment from commercetools connect team as stated [here](#).

Connect to AvaTax

You need to configure the AvaTax integration during deployment.

1. Please check the [guide](#) to configure and deploy AvaTax.
2. The Avalara credentials that you specified during deployment can be tested anytime by using the test connection utility.

Connection to Avalara

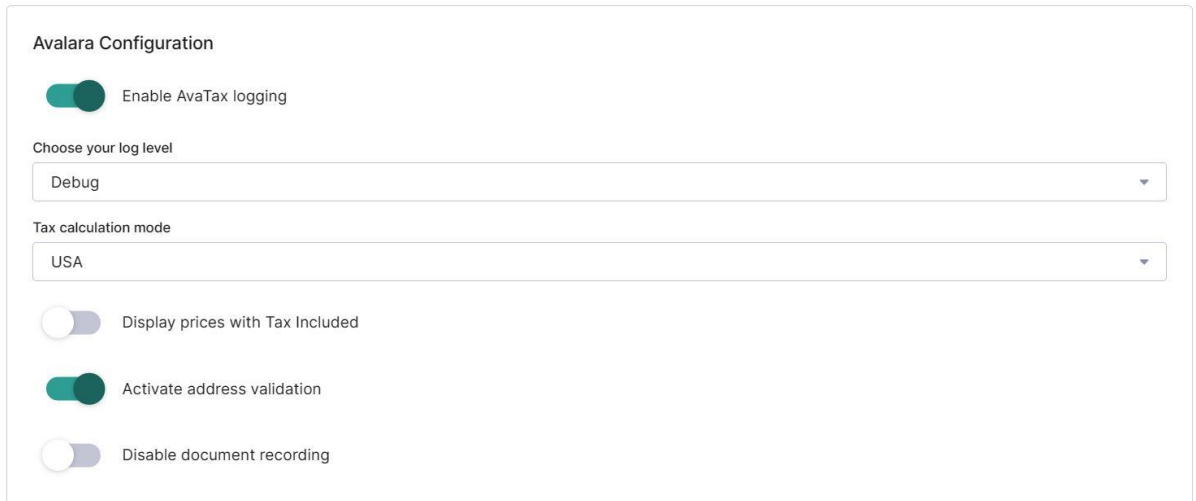
Here you can check if you are authorized to use the Avalara service using the credentials you specified when deploying the connector.

Test Connection

Configure Avalara AvaTax

Below the credentials configuration window, you can see additional settings.

- **Enable Logging** – Log detailed transaction activity for troubleshooting purposes. Enable only when instructed by support. The logs are available under Commercetools Connect 'Query Logs for Deployment' endpoint.
- **Tax Calculation Mode** - Turn on AvaTax calculation service for selected countries.
- **Disable Document Recording** – Disables tax document submission to Avalara's AvaTax service for record keeping. With this setting enabled, transactions will NOT be posted and committed to the AvaTax Admin Console.
- **Activate Address Validation** – Option to enable or disable address validation when you are using the '/check-address' endpoint in [your frontend integration](#).



The image shows a configuration panel titled "Avalara Configuration". It contains several settings:

- Enable AvaTax logging**: A toggle switch that is currently turned on (green).
- Choose your log level**: A dropdown menu with "Debug" selected.
- Tax calculation mode**: A dropdown menu with "USA" selected.
- Display prices with Tax Included**: A toggle switch that is currently turned off (grey).
- Activate address validation**: A toggle switch that is currently turned on (green).
- Disable document recording**: A toggle switch that is currently turned off (grey).

Logfile

The log file will be created on a first logged event depending on a chosen log level:

- For the log level *Error* only errors will be logged.
- For the log level *Info* each Avalara call will be reported to the logfile.
- For the log level *Debug* some additional debug information will also be reported to the file

Origin address

Fill in the business address data of your concern.

Check address: check the validity of the origin address.

Avalara Origin Address

Line 1

1310 E Ocean Blvd

Line 2

Line 3

Postal code

90802

City

Long Beach

State

California

Country

United States

Check address

General remark: When you deploy the connector, your resource custom types have been extended by Avalara-relevant custom fields, and if you do not use composable custom types, then connector-own custom types will be created as well. For more information, please see the [guide](#). It is your responsibility to assign the desired custom types to the corresponding resources and set the relevant custom fields in order to utilize the tax exemption and tax codes assignment functionality. Below you will find a description of how to do this directly in your merchant center after installing the connector.

Assign an Avalara tax exempt category to a customer

1. Click Customers > Customer Listing
2. Click a customer record to enter the customer detail
3. Click Custom Fields
 - Select the custom type name that you wish to use with the customer resource. In the screenshot below, it is called **Additional Field to store Avalara Entity Use Codes**, which is a default value for the connector-own custom type for customer.
 - In the **Avalara Entity Use Code** field, enter the customer's exemption number.

General

Custom Fields

Addresses

Orders

▼ Custom fields

Additional field to store Avalara Entity Use codes X ▼

Avalara Entity Use code

- A - Federal government (United States)
- B - State government (United States)
- C - Tribe / Status Indian / Indian Band (both)
- D - Foreign diplomat (both)
- E - Charitable or benevolent org (both)
- F - Religious or educational org (both)
- G - Resale (both)
- H - Commercial agricultural production (both)
- I - Industrial production / manufacturer (both)
- J - Direct pay permit (United States)
- K - Direct mail (United States)
- L - Other (both)
- M - Not Used
- N - Local government (United States)
- O - Not Used
- P - Commercial aquaculture (Canada)
- Q - Commercial Fishery (Canada)
- R - Non-resident (Canada)

4. Click **Save**.

You have the possibility either to assign an Avalara tax code as a product attribute for a specific product, or to assign a tax code to a category, which is recommended. See the [documentation](#) to find out how to configure your product attribute to make it work with the connector.

Assign an AvaTax System Tax Code to an item

1. Go to Products > Product list
2. Select a Product to open the Product details screen.
3. Scroll down to the **AvaTax code** (or whatever you named it) in the **Product Attributes**.
4. Enter the applicable AvaTax System Tax Code in the **AvaTax Code** field.
5. Click **Save**.
6. To see a listing of all available AvaTax System tax codes, click (<http://taxcode.avatax.avalara.com/>).

Wallet "Rimini" Gabs green

General

Variants

Int. / Ext. Search

Product Selections

Start a workflow

Modified

Product Attributes

Reorder

Lookproducts

seasonNew

AvaTax code

123

Date created: 18/10/2023 10:53

Date modified: 29/11/2023 11:38

Product type: main

Open change history

Filter attribute fields

All fields

Empty

Filled

Search by name, label or value

Assign an AvaTax System Tax Code to a Product Category

1. Go to Categories > Product list
2. Select a category to open the category details screen.
1. Click General and scroll to Custom Fields
2. Select the custom type name that you wish to use with the category resource. In the screenshot below, it is called **Additional Field to store Avalara Tax codes**, which is a default value for the connector-own custom type for category.
3. Enter the applicable AvaTax System Tax Code in the **Avalara Tax Code** field.
4. Click **Save**.
5. To see a listing of all available AvaTax System tax codes, click (<http://taxcode.avatax.avalara.com/>).

[To Category list](#)

Women

General Products Ext. Search

▼ Custom fields Additional field to store Avalara Tax codes X ▼

Avalara Tax code

Assign an AvaTax System Tax Code to a Shipping Method

Different shipping methods require different AvaTax tax codes. You can assign the tax codes in your Project settings > Shipping methods > Add shipping method or select the existing shipping method and entering and selecting the custom fields.

1. Select the custom type name that you wish to use with the shipping method resource. In the screenshot below, it is called **Additional Field to store Avalara Tax codes**, which is a default value for the connector-own custom type for shipping-method.
2. Enter the applicable AvaTax System Tax Code in the **Avalara Tax Code** field.
3. Click **Save**.
4. To see a listing of all available AvaTax System tax codes, click (<http://taxcode.avatax.avalara.com/>)

▼ Custom fields Additional field to store Avalara Tax codes X ▼

Additional field to store Avalara Tax codes

Additional field to store Avalara Tax codes for shipping r

Avalara Tax code

Validate a customer address

Please note that a merchant is completely responsible for the frontend that he uses with commercetools composable API. Avalara commercetools connector provides an endpoint /check-address that can be used for fetching AvaTax Service address validation information directly from your frontend. More information about it you can find in the [connector's commercetools documentation](#). An example of such a frontend implementation is available under <https://poc-mediaopt3.frontend.site/>, with the reference code and description available [here](#)

. Below you can see how address validation might look like in such setting.

You can choose to validate addresses using the address validation option listed above in the backend. Then addresses get validated during the order process in the frontend:

First name	Last name
<input type="text" value="Test"/>	<input type="text" value="Test"/>

Email Address

Billing address

Street name	Street number
<input type="text" value="E Ocean Blvd"/>	<input type="text" value="1310342234"/>

City	Postal code	Country
<input type="text" value="Long Beach"/>	<input type="text" value="90802"/>	<input type="text" value="United States"/>

Address validation failed! The address was found but the street number in the input address was not between the low and high range of the post office database.

☒ Billing address is the same as shipping address

Payment

What do you prefer to pay with?

☒ Invoice

Invoice ID

Cancelling a transaction

To cancel a transaction, select the order you wish to cancel from the order list and set the transaction status to **Cancelled**. This also cancels the transaction in the Avalara backend if it **has not yet been** forwarded to the authorities. If the transaction has already been forwarded, it can only be **refunded**.

To Order list

Order d05b913a-5959-47ef-2399-45a7cf559dcb

General

Custom Fields

Shipping & Delivery

Returns

Payments

Order status

Open

Open

Confirmed

Complete

Cancelled

DISCU

Order

Shipp

Order