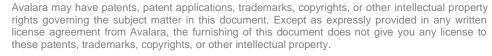


# Avalara AvaTax for Salesforce B2C Commerce

Storefront Reference Architecture (SFRA)

## **User Guide**

Revision Date: 12/12/2024 Product Release: 24.2.0



© 2018 - 2024 Avalara, Inc. All rights reserved.

Avalara, AvaTax, Exemption Certificate Management are either registered trademarks or trademarks of Avalara, Inc. in the United States or other countries.

All other trademarks are property of their respective owners.



# **Table of Contents**

1.0.	Summary	4
2.0.	Component Overview	5
2.1.	Functional Overview	5
2.2.	Use Cases	5
2.3.	Limitations and Constraints	5
2.4.	Compatibility	5
2.5.	Privacy and Payment	5
3.0.	Implementation Guide	6
3.1.	Setup	6
3.1.1.	Import Cartridges	6
3.1.2.	Import Metadata	6
3.1.3.	AvaTax Business Manager Extension Cartridge Setup	7
3.2.	Configuration	7
3.2.1.	Configure Avalara Services	7
3.2.2.	Avalara Settings Configuration	9
3.3.	Cross Border, VAT, and Invoice Messages	10
3.4.	Utilities	15
3.5.	Auto Sync	19
3.6.	Line Level Addressing	20
3.7.	Beverages and Alcohol Tax Calculation	21
3.8.	Enhanced VAT	26
3.9.	Exemption Utility	29
3.10.	Exemption Number	37
3.11.	External Interfaces	38
3.12.	Firewall Requirements	38
3.13.	Testing	38
4.0.	Operations, Maintenance	39
4.1.	Data Storage	39
4.2.	Availability	39
4.3.	Support	39
4.4.	Object Mapping	39

4.5.	Object Mapping Documentation	39
5.0.	FAQs	40
6.0.	Known Issues	42
7.0.	Release History	43

## 1.0. Summary

The AvaTax cartridge provides rapid integration for Salesforce B2C Commerce implementations. The AvaTax cartridge is a self-contained cartridge that can easily integrate into any project. This cartridge can be configured in the Business Manager and contains all elements necessary to perform a successful best practices implementation of AvaTax.

### 2.0. Component Overview

#### 2.1. Functional Overview

- 1. AvaTax Update is a powerful, online sales tax compliance solution that provides all businesses with a level of sales tax automation that until now has been available only to Fortune 500 companies. AvaTax Update's transaction-based service model and seamless integration into business applications gives you rapid access to all jurisdiction assignments and real-time sales tax calculations. Cutting-edge technologies and superior processing logic can manage even the most complicated tax issues, such as situs, nexus, tax tiers, tax holidays, exemptions, certificate management and product taxability rules.
- 2. During check out shopping cart and customer information is transmitted via the AvaTax API web service. Tax information is sent back and applied to products in the cart.
- 3. Address Validation logic has been added to assist with filtering certain countries (configured in the custom site preferences) and to enable/disable the Address Validation calls.
- 4. Detailed transaction logging is available on the AvaTax Update dashboard.

#### 2.2. Use Cases

This cartridge can be used to calculate taxes on the Salesforce B2C Commerce storefront through the AvaTax REST v2 API web service. It can also be used for address validation for all the US and Canada addresses.

Following features are provided as part of the cartridge:

- 1. Tax calculation
- 2. Address validation

#### 2.3. Limitations and Constraints

As of now, only limitation is that AvaTax address validation is only available for US and Canada. AvaTax currently only supports service messages in English.

### 2.4. Compatibility

The latest release is tested with SFRA 6.0 and works with compatibility mode 22.7.

#### 2.5. Privacy and Payment

Customer addresses are sent to and from AvaTax for Tax Calculation and Address Validation. No customer payment information is accessed or stored.

### 3.0. Implementation Guide

#### **3.1. Setup**

#### 3.1.1. Import Cartridges

Import bm\_avatax, int\_avatax\_sfra and int\_avatax\_svcclient cartridges into the Eclipse UX Studio Workspace.

- 1. Open UX Studio in Eclipse IDE.
- 2. Go to File > Import > General > Existing Projects into Workspace
- 3. Browse to the directory where the cartridges have been downloaded.
- 4. Click Finish.
- 5. Click **OK**, when prompted to link the cartridges to the sandbox.
- Modify the Site Path in Business Manager > Administration > Manage Sites. Select
  your storefront site and go to Settings tab (Administration > Sites > Manage Sites >
  Storefront\_Site -Settings). Add 'int\_avatax\_sfra', 'bm\_avatax', and 'int\_avatax\_svcclient'
  cartridges in BM cartridge path.

If using Visual Studio code, use the below dw.json format to upload the cartridges to the sandbox. Place it at the root of the working directory.

```
{
    "hostname": "your-sandbox-hostname.demandware.net",
    "username": "yourlogin",
    "password": "yourpwd",
    "code-version": "version_to_upload_to"
}
```

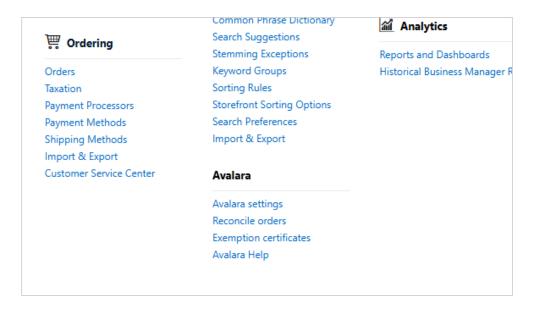
#### 3.1.2. Import Metadata

- 1. Locate site-import.zip file inside metadata folder. Extract its content. Change site name if needed inside sites folder and compress the site-import folder to site-import.zip again.
- 2. Log in to the Business Manager.
- 3. Click Administration > Site Development > Site Import & Export.
- 4. Use the upload control to browse for the site-import.zip file located in the **metadata** folder.
- 5. Click Upload.

6. Select the site-import.zip and click **Import**. Import should complete successfully.

#### 3.1.3. AvaTax Business Manager Extension Cartridge Setup

- 1. Make sure that the 'bm\_avatax' cartridge is imported in UX Studio workspace.
- Add 'bm\_avatax', 'int\_avatax\_sfra' and 'int\_avatax\_svcclient' cartridges in BM cartridge path by going to Administration > Sites > Manage Sites > Business Manager Settings
- 3. Make sure that the AvaTax BM module has been added to Business Manager modules and has been assigned necessary permissions as follows
  - Go to Administration > Organization > Roles & Permissions
  - Select the Role to give access to. e.g., Administrator
  - Go to Business Manager Modules section. Select the context for any or all the sites.
  - In the list of BM modules that are displayed, enable Avalara. And click Update.
  - A new module Avalara and its menu items should appear under Merchant Tools. Refer to the following screenshot:



### 3.2. Configuration

#### 3.2.1. Configure Avalara Services

1. Make sure that the Avalara services have been imported as part of site import step (3.1.2) performed above. Below service configurations should be present in the **Services** section.

- 2. Log in to the Business Manager.
- 3. Navigate to Administration > Operations > Services
- 4. Configure your AvaTax credentials under **Credentials** tab, in credentials.avatax.rest.

Make sure that the service URL used is one of the following, depending on whether the sandbox is a production or development:

- Development: <a href="https://sandbox-rest.avatax.com">https://sandbox-rest.avatax.com</a>
- Production: https://rest.avatax.com
- 5. Configure your Avalara credentials under **Credentials** tab, in logentries.avatax.rest.

Make sure that the service URL used is one of the following, depending on whether the sandbox is a production or development:

- Development: <a href="https://ceplogger.sbx.avalara.com/api/logger/">https://ceplogger.sbx.avalara.com/api/logger/</a>
- Production: <a href="https://ceplogger.avalara.com/api/logger/">https://ceplogger.avalara.com/api/logger/</a>

#### Notes:

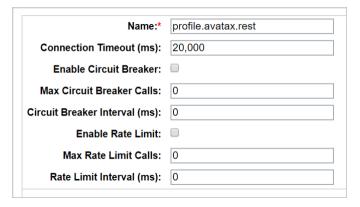
- Services named ceplogger.avatax.svc and avatax.rest.all should also have been created with corresponding Profile and Credential items. DO NOT remove these. Select the checkbox on 'Communication Log Enabled' in ceplogger.avatax.svc and avatax.rest.all as shown in the 'Service' screenshot below.
- DO NOT modify service name(s) of any of the services.

Below are the screenshots for reference:

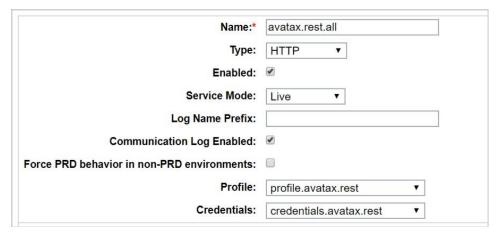
#### **Credentials:**



#### **Profile:**



#### Service:

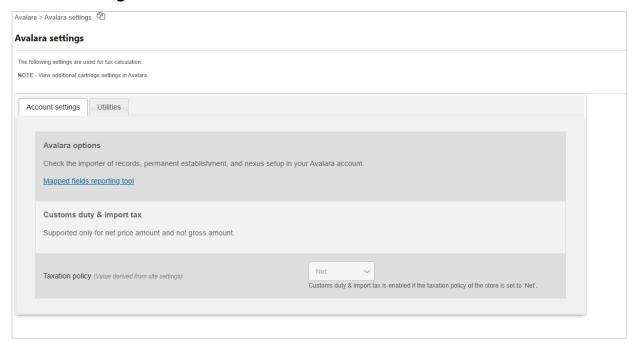


#### 3.2.2. Avalara Settings Configuration

Configure Avalara-related settings using the Avalara module in the Business Manager.

- 1. Log into the **Business Manager**.
- 2. Select the desired site from the dropdown.
- 3. Navigate to Merchant Tools > Avalara > Avalara Settings
- 4. Select/fill all applicable settings for the storefront. Below is the description for these settings in brief.

### **Avalara settings:**



### **Account Settings**

Mapped fields reporting tool – This will open Tax Calculation Field Mappings page
where the different object data types are mapped with their associated fields.
Configuration and documentation can be changed by referring to sections 4.4. and 4.5
respectively.

#### **Cross Border Calculation**

 Taxation policy: (Read-only) If cross border tax/customs duty calculation applies to the storefront, the taxation policy should be Net.

#### Note:

- Navigate to Merchant Tools > Site Preferences > Order > Order Access Settings, and set Limit Storefront Order Access to No.
- Make sure to select the required Promotion Preference by Navigating to Merchant Tools > Site Preferences > Promotion > Discount Taxation.

### 3.3. Cross Border, VAT, and Invoice Messages

**NOTE:** This section can be skipped if the storefront doesn't ship products from one country to another or does not need to store customs duty or cross border details.

AvaTax service returns taxes and invoice messages based on origin and destination locations in different countries. If the customs duties are applicable, these values are also stored in custom attributes.

#### **Cross Border Tax Calculation:**

The custom duties that are calculated based on origin and destination addresses are stored in custom attributes as follows. These can be utilized in a model to display on the storefront.

Sr. No.	Value	Objects
1.	Custom Duty	<ul><li>basket.custom.ATCustomsDuty</li><li>order.custom.ATCustomsDuty</li></ul>
2.	Taxes	<ul><li>basket.custom.ATTax</li><li>order.custom.ATTax</li></ul>
3.	Cross Border Messages	<ul><li>basket.custom.ATLandedCost</li><li>order.custom.ATLandedCost</li></ul>
4.	Transaction Summary	<ul><li>basket.custom.ATGenericMessage</li><li>order.custom. ATGenericMessage</li></ul>
5.	Invoice Messages	<ul><li>basket.custom.ATInvoiceMessage</li><li>order.custom. ATInvoiceMessage</li></ul>
6.	Tax Break-Up(JSON)	<ul><li>basket.custom.ATTaxDetail</li><li>order.custom. ATTaxDetail</li></ul>

These values are stored as custom attributes in -

- 1. Basket object, if the order is still not placed
- 2. Order object, after the current Basket is converted into an Order or the order has been placed

The invoice messages object is stored in below JSON format.

```
{"InvoiceMessageMasterList":[{"MessageCode":0,"Message":"No applicable messaging for this line."},{"MessageCode":1,"Message":"Intra-EU Supply of Goods as per Art. 138 EU VAT Directive 2006/112"}],"InvoiceMessageList":[{"TaxLineNo":"98ed5002d09d3b33abba8b10ed","MessageCode":1},{"TaxLineNo":"f9a79cafa05441b14e72c0e2a6","MessageCode":0}]}
```

The messages may be utilized to display to the site customer during checkout as required.

Sr. No.	Attribute	Description
1.	InvoiceMessageMasterList	It is an array of all applicable messages. 'MessageCode' is the index used to refer to the corresponding 'Message'.
2.	InvoiceMessageList'	It is an array of all line items in the Basket and their corresponding MessageCodes.
3.	TaxLineNo	Indicates UUID of the line items in the current Basket object.

### For example,

{"TaxLineNo": "98ed5002d09d3b33abba8b10ed", "MessageCode": 1} indicates that a line item in the current basket with UUID 98ed5002d09d3b33abba8b10ed has a VAT invoice message 'Intra-EU Supply of Goods as per Art. 138 EU VAT Directive 2006/112' which corresponds to MessageCode 1.

#### Tax Breakdown details

When taxes are calculated and returned by Avalara services, it may be displayed to the end user on the storefront.

To accommodate this, AvaTax integration stores the tax details for every line item (Product, Shipping, Gift certificate etc.) in the Basket or Order object in the form of a custom attribute based on whether the order is in placed state or not.

1. If the Basket object is still in checkout process, i.e. If the order is not yet placed, then the tax details are stored in a custom attribute of basket system object.

```
The attribute name is - ATTaxDetail. It can be accessed as - basket.custom.ATTaxDetail
```

2. If the order is in placed state, the tax details are stored on order system object. The attribute name is - ATTaxDetail. It can be accessed as - order.custom.ATTaxDetail

The tax details are stored in the form of JSON string. It can be utilized as needed. Below is an example of tax details JSON for a Basket.

```
"jurisdictiontype":"State",
      "jurisdiction": "WASHINGTON",
      "exempt":0,
      "nontaxable":0,
      "taxable":299.9
     "rate":0.065,
     "tax":19.5
  },
     "jurisdictiontype": "County",
     "jurisdiction": "KITSAP",
     "exempt":0,
     "nontaxable":0,
     "taxable":299.9
     9, "rate":0,
     "tax":0
  },
     "jurisdictiontype":"City",
     "jurisdiction": "BAINBRIDGE ISLAND",
     "exempt":0,
      "nontaxable":0,
      "taxable":299.9
     9,
     "rate":0.025,
     "tax":7.5
"lineitemid": "me",
"shipmentid": "me",
"taxes":[
     "jurisdictiontype": "State",
     "jurisdiction": "WASHINGTON",
     "exempt":0,
     "nontaxable":0,
     "taxable":9.99,
     "rate":0.065,
     "tax":0.65
```

© Avalara Inc. All rights reserved. Page **13** of **44** 

```
"jurisdictiontype":"County",
    "jurisdiction":"KITSAP",
    "exempt":0,
    "nontaxable":0,
    "taxable":0,
    "tax":0

},
{
    "jurisdictiontype":"City",

    "jurisdiction":"BAINBRIDGE ISLAND",
    "exempt":0,
    "nontaxable":0,
    "taxable":9.99,
    "rate":0.025,
    "tax":0.25
    }
}
```

#### **JSON** attributes:

Sr. No	Attribute	Description
1.	lineitemid	Represents the object ID of the line item from Business Manager. For example, for the product line item, this value would be its Product ID.
2.	shipmentid	Attribute in each object represents the Shipment to which current line item belongs.
3.	jurisdictiontype	Represents the tax jurisdiction of in which the current tax amount is calculated. e.g. Country, State, City, County, Special etc.
4.	jurisdiction	Represents the jurisdiction name. e.g. Canada, Ontario, California etc.
5.	taxname	represents a short tax description for the tax applied. e.g. CANADA GST/TPS, TN STATE TAX etc
6.	nontaxable	has a value which is not taxable taxable attribute indicates the amount that is taxed.
7.	exempt	Attribute indicates the amount which is tax-exempt.

© Avalara Inc. All rights reserved. Page 14 of 44

Sr. No	Attribute	Description
8.	rate	• contains the tax rate used for calculating the taxes tax has a value which is the tax that is calculated.

#### 3.4. Utilities

To establish the connection of Salesforce B2C Commerce Site with the Avalara Portal and configure tax-related settings, features have been provided which can be accessed in the **Avalara Settings** menu under **Avalara**.

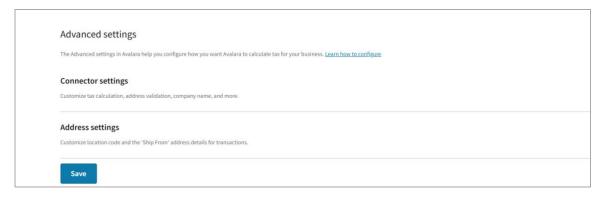
#### Navigate to - Merchant Tools > Avalara > Avalara settings > Utilities

 Connect to Sandbox/Connect to Production – This can be used to verify whether connection to Avalara is authenticated/successful. If it indicates that the connection is not authenticated, you may want to have a look at the Service credentials configured in step 3.2.1.

Post successful authentication, the configuration settings page will be created for the current site on Avalara portal containing other tax calculation and address validation related settings for configuration. For existing customers, your previous configuration settings will be migrated to the Portal and will be visible when you select the success message hyperlink. For new customers, default values will be set. On successful test connection and configuration page generation for current site (if not already exists), prompt will be shown on configuration page with success message populated as follows.



Select the 'in Avalara' hyperlink provided in success message. This will redirect you to the Avalara Portal with following settings which you can update to configure:



You can revisit this settings page later by selecting the **Connect to Sandbox/ Connect to Production again** using the same credentials, and the same page redirect for the current site will be populated in the hyperlink. The following Advanced settings are available on the Avalara Portal configuration page:

#### **Connector settings**

- Calculate tax When enabled, this will enable AvaTax tax calculation on all transactions for the current site.
- Validate addresses with Avalara When enabled, this will enable shipping addresses (both origin and destination) validation during checkout on the storefront. AvaTax only validates addresses in the United States and Canada.
- Save transactions to Avalara When enabled, this will save all orders to AvaTax. When disabled, orders will not be saved to AvaTax. However, the tax estimates appear on the storefront.
- **Post transactions as 'Committed'** If enabled, successful orders on the storefront will be marked 'Committed' when posting to Avalara AvaTax.
- Enable Exemption Certificates Management features If enabled, exemption certificate utility will be enabled on the storefront for registered customers.
- Avalara company name This is the AvaTax company name configured on the admin console of the AvaTax account. All successful orders placed on the current storefront will be posted under this company. Configurations such as Importer of Record, Sales Tax nexus of this company will be applicable for all transactions for the current storefront.
- Customer code Select what value is sent as the customer code for authenticated customers. For guest customers, Email ID entered by them during checkout is used.

 Shipping tax code – If the shipping methods of the storefront do not have tax class assigned, this tax code will be used to calculate taxes for shipping methods. If not specified, AvaTax freight code 'FR' will be used.

### **Address settings**

The address settings include the **Origin (shipFrom) Address fields** that capture details of the company location from where the products will be shipped. These will be used for calculating taxes for all transactions on the current storefront.

If shipments are being shipped from US or Canada, fill in the complete and valid address details to avoid taxation errors.

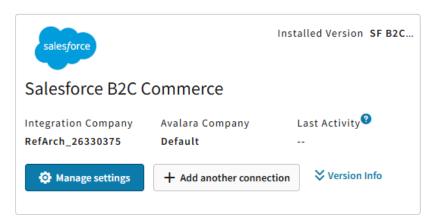
The address settings include the following fields:

- Location code If the Location Code value is provided, AvaTax prefers it
  over other address fields for tax calculation. Location code is configured
  under Avalara account as company location. If this value is present, the
  origin address fields can be omitted.
- Address line 1 The street address for the origin address.
- Address line 2 The street address for the origin address.
- Address line 3 The street address for the origin address.
- City The city for the origin address.
- State The state or province for the origin address.
- Zip/Postal code The postal or ZIP code for the origin address.
- Country code The country for the origin address. You can enter the 2 or 3 character ISO country codes.
- Validate address button After filling in the origin address details on Configuration page, select the 'Validate address' button to validate the address. After selecting the 'Use Validated Address' button and then selecting the 'Save' button, the address fields of origin address are updated.

### **Important points:**

- The Avalara Portal configuration page is site-specific, hence for example, a
  different configuration link will be created and provided for site 'RefArch' and
  a different one for site 'RefArchGlobal' so that settings can be tracked
  separately.
- The configuration tile for the site can also be viewed under **Settings** > **Integrations** in Avalara Portal. The tile created for the site (for example.

### RefArch) will be shown as below:



The configuration tile will be identified using the nomenclature 'StorefrontSiteID \_ NumericalID', such as 'RefArch\_26330375' and will be visible in the account whose credentials were used to 'Connect to Sandbox/ Production'. Selecting the 'Manage settings' button in the tile will also redirect you to the '**Advanced settings'** page.

2. Sync – Ensure that prior to selecting Sync, you must run the 'Connect to Sandbox/ Connect to Production' operation successfully at least once for the current site. Post updating values on Avalara Portal, selecting the Sync button fetches the configuration settings mentioned in the above point from Portal Avalara settings to cartridge configurations in Salesforce B2C Commerce. Hence, your sandbox configuration data will be updated and after updating it successfully, the following success message is populated:



The 'Last synced on' field in the tile can be used to track the last time settings were synced to the B2C environment.

- 3. **Void transaction** This feature can be used void/cancel an order posted earlier to AvaTax. It cancels the order, or it does not, depending on if the order can be cancelled or not. In either case the service response is returned and displayed in the text area below this section.
- 4. **Commit transaction** This feature can be used commit an order posted earlier to AvaTax. It marks the order committed or it does not, depending on if the order can be committed or not. In either case the service response is returned and displayed in the text area below this section.

5. **Validate address** – This feature can be used to validate shipping address of an order and receive a validated address as response.

All the above features can be scaled to process many orders on the storefront.

#### 3.5. Auto Sync

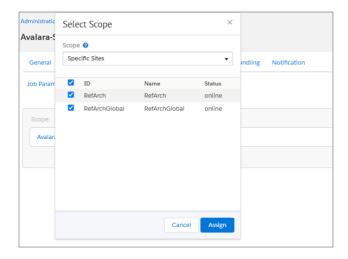
On successful import of the metadata, go to **Administration > Operations > Jobs**, the job 'Avalara-Settings-Sync' will be imported as follows:



Select the **Avalara-Settings-Sync** and go to **Schedule and History**. The default time set is 1 hour during which configuration settings for sites 'RefArch' and 'RefArchGlobal' will be synced. The recurring sync interval can be updated by modifying the 'Run Time' values on the page.

The auto sync feature can also be disabled, by unselecting the **Enabled** checkbox on the 'Schedule and History' tab.

To modify/add sites for which recurring sync is needed, go to the **Job Steps** tab and select Scope. This will provide options to add or remove any sites:



The status of job run can be viewed under **Schedule and History** in **Job History** section. Concurrent log file is attached for the recent job as well. To manually run the job, select the **Run Now** button on the top-right corner of the page.

Note - The auto sync feature will not run successfully if 'Connect to Sandbox/Production' has never

been done for a particular site. Please complete Step 3.4 - 1 before moving on to auto sync. If your B2C Commerce environment is a sandbox, then scheduling of custom jobs will be disabled as part of Salesforce restrictions. However, manually running the job is enabled. The scheduling feature is enabled on staging and production environments.

### 3.6. Line Level Addressing

Merchant Seller Identifier can be customized for a specific product as a line item field for customers to track the merchant selling a particular product in a single transaction and can be checked using Retrieve Transaction AvaTax REST v2 API call: /api/v2/transactions/{id}.

The merchantSellerIdentifier field has an associated origin address/ship from address, which can be customized using distinct Product ID. This can be customized through a JSON file, from which relevant fields of ship from address and merchantSellerIdentifier will be extracted with respect to products included in a transaction. The JSON file is located at "\cartridges\int\_avatax\_svcclient\cartridge\scripts\lineLevelAddress.json" path.

#### **JSON** attributes:

Sr. No	Attribute	Description
1.	productID	The product ID uniquely identifies each product.
2.	merchantSellerIdentifier	Merchant seller identifier for each product ID.
3.	transport	Transport field for each product ID.
4.	shipfrom	The shipfrom address for a particular product with address field values (line1, line2, line3, city, region, postalCode, countryCode).
5.	hsCode	HS code value for each product ID.

Using this, customized ShipFrom addresses can be assigned to different products in a single transaction. If a specific product does not have an associated ShipFrom address in JSON file, the origin (corporate) address on Avatax Configuration page is considered as ShipFrom address for that product.

**HS Code mapping:** HS code can be configured for different product IDs in this JSON file. If the product is added to the cart and the HS code value is populated in the JSON, uncomment the following code in file

"cartridges\int\_avatax\_sfra\cartridge\scripts\helpers\avatax\calculateTaxHelper.js" to enable the passing of the HS code value at the line level:

```
//Uncomment code below to populate hsCode on product level for Cross Border transactions
// See documentation for more info
// if(!empty(jsonAddress.lladdresses[prodID].hsCode)) {
// line.hsCode = jsonAddress.lladdresses[prodID].hsCode;
// }
```

### 3.7. Beverages and Alcohol Tax Calculation

Tax calculation for products under the category of Beverages and alcohol can be done, provided the account has an active AvaAlcohol subscription. This can also be verified by the "test connection successful" prompt which shows the active subscriptions for the current account being used. The user will be able to see AvaAlcohol subscription in the prompt if the user has subscribed to this service.

The attributes related to different BevAlc products need to be customized in the JSON file provided. Distinct products can be assigned parameters which will be extracted during tax calculation if the products are included in a transaction. The JSON file is located at "\cartridges\int\_avatax\_svcclient\cartridge\scripts\avaBevAlcConf.json" path.

### **JSON** attributes:

Sr. No.	Attribute	Description
1.	productID	The product ID uniquely identifies each product.
2.	parameters	Parameters associated to each distinct product ID. The attribute fields included in this are – ContainerSize, AlcoholContent, PackSize, NetVolume, IsAlcoholSample, IsForeignAlcohol and Brand.
3.	taxCode	The Tax Code for a particular product which will determine tax calculation.

If the 'RecipientDOB' is to be updated at product level, the user can fetch it from their own customized cartridges, uncomment the code shown in figure below provided in file: "cartridges\int\_avatax\_sfra\cartridge\scripts\helpers\avatax\calculateTaxHelper.js", and fill the 'value' field of RecipientDOB.

The date should be in the format of YYYY-MM-DD.

After tax calculation and successful order placement, these attributes can be verified on the

AvaTax CUP portal. The parameters will be reflected on respective product ID to which they have been customized.

#### Header level attributes

These attributes are passed at header level. Please uncomment the following block of code present in file:

"cartridges\int\_avatax\_sfra\cartridge\scripts\helpers\avatax\calculateTaxHelper. is" and fill the 'value' field. Empty 'value' field will generate error.

```
var bevAlcTransactionAttributes = []

// Required attributes for Bev Alc Transaction
// {
    // "name":"AlcoholRouteType",
    // "value": ""
    // },

// Required attributes for Returns
// Uncomment only the section you want to populate
// empty "value" will cause error

// {
    // "name":"PurchaserDOB",
    // "value": ""
    // },

// {
    // "name":"TrackingNumber",
    // "value": ""
    // },

// {
    // "name":"IsDirectAlcoholImport",
    // "value": ""
    // "value": ""
// },
```

The attributes given in the table below are required for Returns, except 'Varietal'.

Sr. No.	Attribute	Description
1.	AlcoholRouteType	This parameter is used to indicate the sales channel for a beverage alcohol transaction.
2.	PurchaserDOB	<ul> <li>The date of birth (DOB) associated with the "Bill To" recipient. Must be formatted as YYYY-MM-DD.</li> </ul>
3.	TrackingNumber	A text string to indicate the tracking number of transaction.
4.	IsDirectAlcoholImport	Used to indicate whether a beverage alcohol product is a direct import product
5.	PurchaserName	Represents the first and last name of purchaser associated with the transaction
6.	ShipDate	The day merchandise associated with an order was shipped. Must be formatted as YYYY-MM-DD.
7.	SalesLocation	Distinguishes orders that were placed onsite at a business's location vs. offsite
8.	PurchaserStreetAddress	Street address of the purchaser associated with the transaction
9.	PurchaserToCity	City of the purchaser associated with the transaction
10.	PurchaserToState	State of the purchaser associated with the transaction
11.	PurchaserToZip	ZIP of the purchaser associated with the transaction
12.	CarrierCode	Carrier code of shipment
13.	FullfillmentHouseCode	Name of fulfilment house. Required for wine products.
14.	Varietal	For wine only, to indicate what varietal the product is classified

After tax calculation and successful order placement, these attributes can be verified on the AvaTax CUP portal.

#### Hooks

- Hooks have been provided for certain BevAlc functionality, which can be added to customized code where required. These hooks are provided in file: "cartridges\int\_avatax\_sfra\cartridge\scripts\hooks\avatax\avataxhooks.js".
- The 3 hooks added as part of BevAlc orders features are: reverify, cancelOrDeleteShipment and fetchBevAlcConfiguration.
- To use the BevAlc verification features, the user will have to place an initial call using reverify hook on a particular transaction to fetch the verification status.

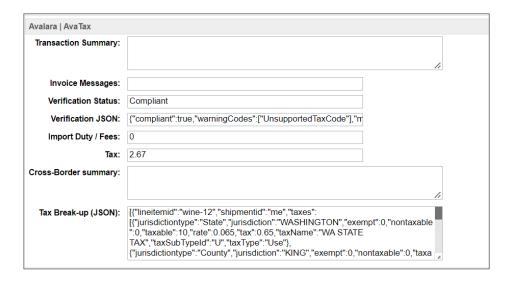
Sr. No.	Hook	Function/integration
1.	reverify	<ul> <li>For registering/ overriding BevAlc order.</li> <li>The hook can be added as shown below, with 'orderNo', 'isOverride' (true/false) and 'basket' parameters provided.</li> <li>If the order is compliant, it will be marked as Committed on AvaTax.</li> <li>if(dw.system.HookMgr.hasHook( "app.custom.bevAlc.shipment.reverify")) {         dw.system.HookMgr.callHook('app.custom.bevAlc.shipment.reverify', 'reverify', {</li></ul>
2.	cancelOrDeleteShipment	<ul> <li>For cancel/ delete registration of BevAlc order.</li> <li>The hook can be added as shown below, with 'orderNo' and 'deleteShipment' (true/false) parameters provided.</li> <li>if(dw.system.HookMgr.hasHook( "app.custom.bevAlc.shipment.cancelOrDeleteShipment")) {         dw.system.HookMgr.callHook('app.custom.bevAlc.shipment.cancelOrDeleteShipment', 'cancelOrDeleteShipment', 'deleteShipment': true         });     }</li> </ul>
3.	fetchBevAlcConfiguration	<ul> <li>For fetching product level attributes from JSON for a specific productID.</li> <li>The hook can be added as shown below, with 'productID' parameter provided.</li> <li>if (dw. system.HookMgr.hasHook( "app.custom.bevAlc.fetchBevAlcConfiguration")) {         bevAlcAttributes = dw. system.HookMgr.callHook( app.custom.bevAlc.fetchBevAlcConfiguration , 'fetchBevAlcConfiguration', productID );     }</li> </ul>

Sample of how reverify hook can be placed in code:
 If the reverify hook is to be utilized when a particular transaction is placed, the following code modification can be made in file:

"cartridges\int\_avatax\_sfra\cartridge\scripts\avaTax.js" in function 'updateTaxDetails' as shown below:

© Avalara Inc. All rights reserved. Page 24 of 44

When the reverify hook call is placed, the Verification Status and Verification JSON of the order will be reflected on the Business Manager under **Merchant Tools > Ordering > Orders > Order**: Attributes as shown:



- These hooks can be placed where you want to execute the BevAlc functionalities as per the fulfillment process in your code.
- The Verification Status field of the order can have 3 possible values:

Sr. No.	Verification Status	Description
1.	Compliant	This is when the BevAlc order and the parameters passed with the products are compliant with respect to the jurisdiction.
2.	Non Compliant	This is when the BevAlc order and the parameters passed with the products are non-compliant with respect to the jurisdiction. The customer has the option to re-update the product parameters in the avaBevAlcConf.json file and reverify again.
3.	Cancelled But Compliant	This is when the BevAlc order and the parameters passed with the products are compliant but the order status has been marked as 'cancelled' on Merchant Tools > Ordering > Orders > Order - General.

• The Avatax Reconcile Orders page reflects the Verification Status of the BevAlc orders in case of 'Non Compliant' and 'Cancelled But Compliant' orders. The cancel, override and reverify functionality has been provided through the buttons 'Cancel', 'Override' and 'Reverify' on the page, using which the Administrator can perform given functions from Business Manager itself on placed orders. Figure below shows a sample of such orders being populated in the Reconcile Orders table:



#### 3.8. Enhanced VAT

The configurations and fields listed below have been added as part of Enhanced VAT for Marketplaces to record the necessary information to AvaTax during transactions.

• Is Seller Importer Of Record: When you successfully import the metadata during the configuration of cartridges, the parameter isSellerImporterOfRecord is a checkbox available in Business Manager's customer profile page. Go to Merchant Tools → Customers → Customers and select a customer profile. The Is Seller importer of record option is available under the AvaTax section. If you select it, then the value is set to True, otherwise it remains False. The default value is set to False. These details are fetched when a registered customer with that specific customer number places a transaction on the storefront. It is also recorded at the transaction level. The AvaTax section appears as follows:



- Business Identification Number: The 'businessIdentificationNo' value can be set in Business Manager by the administrator, using the Tax ID section on the Customer Profile page (the same page as shown above for isSellerImporterOfRecord).
- Merchant-related fields: The Merchant Seller Identifier field has associated merchant
  parameters, which you can customize using the distinct merchantSellerIdentifier values.
  You can customize it using a JSON file, from which relevant fields of merchant-related
  parameters (MerchantEstablishmentCountry, MerchantName and MerchantVatId) are
  extracted with respect to the merchantSellerIdentifier values included in a transaction.
  The JSON file is located at the following path:

"\cartridges\int\_avatax\_svcclient\cartridge\scripts\ avaMerchantConf.json".

#### JSON Attributes:

Sr. No.	Attribute	Description
1.	merchantSellerIdentifier	Merchant seller identifier for each product ID.
2.	MerchantEstablishmentCountry	Merchant Establishment Country for a specific merchantSellerIdentifier.
3.	MerchantName	Merchant Name for a specific merchantSellerIdentifier.
4.	MerchantVatId	Merchant Vat ID for a specific merchantSellerIdentifier.

Marketplace Liability Type and Origination Site: The attributes 'marketplaceLiabilityType'
and 'originationSite' are passed at the transaction level. Uncomment the following block of
code in the following figure, present in the file:

"cartridges\int\_avatax\_sfra\cartridge\scripts\helpers\avatax\calculateTaxHelper.js" and fill the value. Accepted values for marketplace liability type are Seller and Marketplace.

```
line.taxOverride = null;

// Uncomment the code below to populate marketplaceLiabilityType and originationSite on product level

// See documentation for more info

// line.marketplaceLiabilityType = "";

// line.originationSite = "";

//Check if customer is bev-alc registered

if(verifyBevAlcEnabled()){
```

- Point Of Order Origin Address: The pointOfOrderOrigin field is passed at the product line level in a transaction. Its value is that of the billing address entered by a customer during the checkout process.
- **Transport**: The Transport parameter value can be configured at the transaction (header) level or the product (line) level or both. To configure it on the transaction level, uncomment the following block of code in the file "cartridges\int\_avatax\_sfra\cartridge\scripts\avaTax.js" under function 'calculateTax' and add the transport value as follows:

```
// Uncomment the code below to populate Transport field in Transaction Parameters on Header
// See documentation for more info
transactionModel.parameters.push({
    "name":"Transport",
    "value": "Seller"
});

// get the hash for transactionModel
var hash = murmurhash.hashBytes(JSON.stringify(transactionModel), JSON.stringify(transactionModel).length, 523);
```

The parameter is sent to AvaTax when tax calculation is triggered. Additionally, the transport value can be customized on the product level using a JSON file. The relevant fields of transport and merchantSellerIdentifier are extracted from the JSON file with respect to the products included in the transaction. The JSON file is located at the following path: "\cartridges\int\_avatax\_svcclient\cartridge\scripts\lineLevelAddress.json".

(This is also mentioned under Section 3.5 in the attributes table). The Transport field on

the header and line level or both can be customized and used at the same time.

The transport field can have only these possible values: 'Seller', 'Buyer', 'ThirdPartyforSeller', 'ThirdPartyforBuyer' or 'None'. Any invalid or empty value passed will generate an error.

- **Invoice messages:** Any invoice message provided by AvaTax in response to the transaction placed, is populated in the Orders Summary page on Business Manager in the custom Avalara 'Attributes' section. This has also been explained previously in the Section 3.3.
- VAT Code: VAT code can be retrieved for a particular transaction using the response
  received from AvaTax. The object 'svcResponse' in the file
  "cartridges\int\_avatax\_sfra\cartridge\scripts\avaTax.js"under the function 'processTaxDetails'
  contains the details of the transaction and can be used to populate the response data by
  customers wherever required according to their business use case.
- Tax Included: The tax inclusive feature and the backend storefront logic of the site depends on the taxation policy of the site being used in Salesforce B2C (Net site or Gross site) and they affect the response. Taxation policy of a particular site can be viewed on Business Manager by going to Merchant Tools → Ordering → Taxation or on the Avalara Settings page under Taxation Policy (Read-only). If the Taxation policy is 'Gross', the site is tax inclusive.

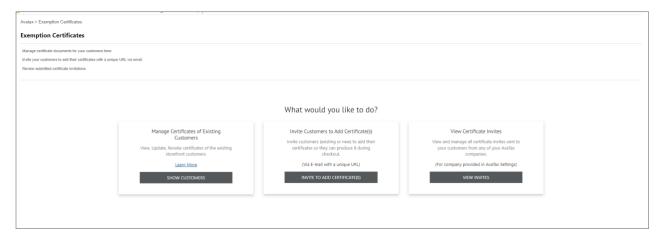
The 'taxIncluded' value is populated from the B2C site settings and is passed at all the line-level items of a transaction, in the file

"cartridges\int\_avatax\_sfra\cartridge\scripts\helpers\avatax\calculateTaxHelper.js". If the site is tax inclusive, the value is set to 'true', else it is 'false'.

### 3.9. Exemption Utility

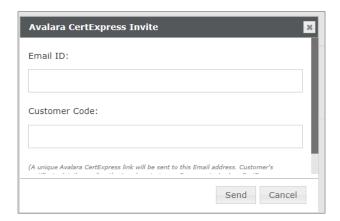
#### **Business Manager Exemption Utility**

Go to **Merchant Tools > Avalara > Exemption Certificates.** The following Exemption Certificates page is displayed, provided the account has an active AvaCert subscription. This can be verified by the "test connection successful" prompt which shows the active subscriptions for the current account that is being used. You can see the AvaCert subscription in the prompt if the user has subscribed to this service.



From the Exemption Certificates landing page, you have the following three options:

- Manage Certificates of Existing Customers by selecting the Show Customers button. This redirects you to a page with a table consisting of the existing storefront customers and their account details Customer Number, Name, Email, and Customer Since. To view a particular customer, view the certificates attached to them, and the related functions, select any customer number in the table. It will redirect to the Customer page. More information on this page is available under Customer Details Page point below.
- Invite Customers to Add Certificate(s) through an E-mail with a unique URL by clicking
  the Invite to Add Certificate(s) button. This opens a popup box where the admin can
  enter the Email ID and Customer Code of the customer, they wish to send the email to
  and select Send. An Avalara CertExpress link is sent to this email address which they
  can use to add a certificate.

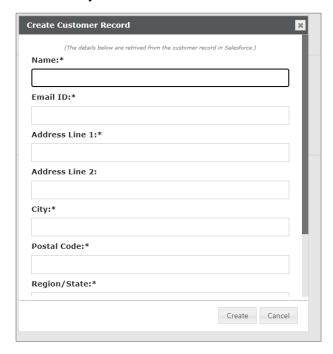


 View a list with details of Certificate Invites associated with the current active company being used by clicking the View Invites button. It redirects you to the Certificate Invites page where it displays the list of invite details as a table.

### **Customer Details Page**

After you select a particular customer number on the customers list table, it redirects you to the Customer details page (AvaTax > Exemption Certificates > Customer).

If the specific customer is available on the storefront but the record is not available in AvaTax, it displays the **Create Customer Record** button on the page. Selecting this button opens a pop-up in which you can enter customer details and then select the **Create** button on the pop-up, to create the customer record in AvaTax. The details provided in this pop-up affects only AvaTax values and it does not modify the storefront details of the customer.

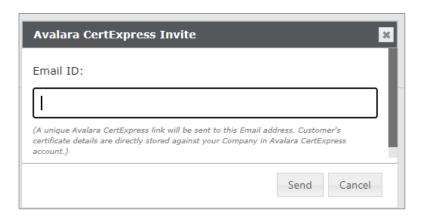


On successful creation of customer record, the page refreshes and displays the certificate action buttons. If there are any certificates already attached to that customer number, it will be populated as a table, else the page appears as follows if no certificates data for the customer is found:



The admin can now use certificate related utility provided:

• **Invite Customer:** On clicking the Invite to Add Certificate(s) button, a pop-up appears to provide the email address of the customer.

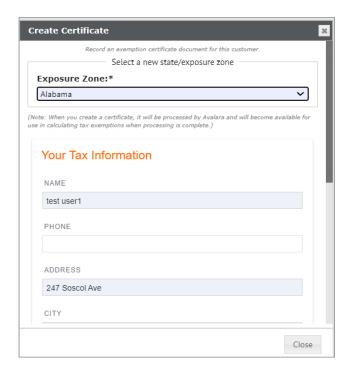


On adding the Email address value and **selecting** Send, an email containing CertExpress link **is sent** to that customer requesting to add a new certificate.

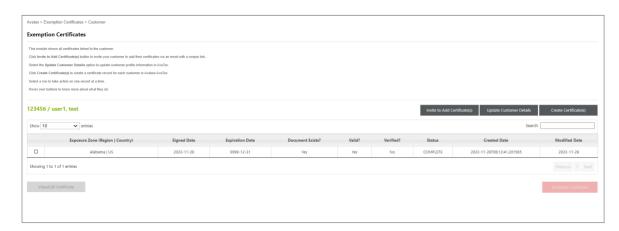
Update Customer Details: Select the Update Customer Details button to update
the customer record in AvaTax. A pop-up opens with the current customer values on
AvaTax auto populated which the admin can edit. Upon entering the new values and
selecting the Update button on the pop-up, the AvaTax customer details are
updated, and a success message is notified on the button.



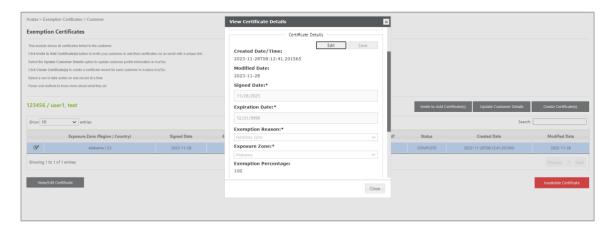
• Create Certificate: By selecting the Create Certificate(s) button, a pop-up appears with a dropdown list of exposure zones. Selecting a specific zone initializes GenCert on the pop-up. It asks for details valid to that exposure zone and create the certificate for the customer with final success message shown. To know more about the GenCert feature and its utilities, view its documentation. The pop-up will be shown as below when GenCert initializes, and tax information of the customer is displayed. During the certificate creation process, if you want to change the exposure zone at any time, use the exposure zone dropdown list to select another country. On selecting another country, GenCert re-initializes according to the details asked for the new exposure zone.



Upon successful certificate creation, a success message appears on the pop-up with a Print/Download link which downloads the certificate created by GenCert. You can select **Close** and on refreshing the page, the table will contain a certificate record for that exposure zone.



• View/Edit Certificate Details: The View/Edit Certificate button is displayed on the page when at least a certificate record is available for the customer. On selecting one certificate record at a time and selecting the View/Edit Certificate button, a pop-up containing certificate details populated is shown. To edit the fields, select the Edit button as shown below on the pop-up and the details which can be updated for the certificate will become editable. When the new values have been entered, select the Save button on the pop-up. This saves the details and shows a success message under the Close button. Upon selecting Close, the page will refresh if record had been successfully updated and changes will be visible on the table.



Invalidate Certificate: The Invalidate certificate button is displayed on the page when
at least one certificate record is available for the customer. On selecting a certificate
record at a time and selecting the button, a popup asking for confirmation to proceed
with invalidation appears. By selecting Proceed, the certificate gets invalidated, and a
success message is displayed under the Invalidate button. On refreshing the page, the
certificate record is no longer listed in the table.

#### **Storefront Exemption Utility**

The exemption utility on the storefront has been provided at the checkout page to allow a registered user to Add Certificate. On the Account Dashboard page, you can manage the existing certificates and create a new one. These options can be disabled through the AvaTax Settings page under Merchant Tools > Avalara > Avalara Settings using the toggle option Enable Certificates Management. This, however, will only affect storefront functionality where the customer will not be able to utilize the exemption utility. The admin can still access the functions in Business Manager.

If the admin does not have AvaCert subscription, the toggle will be set to **Disabled** by default. You can verify the subscriptions using test connection. If the admin account has AvaCert subscription, and if a registered customer performs the checkout, by default the customer number will be passed as the customer code in transaction request.

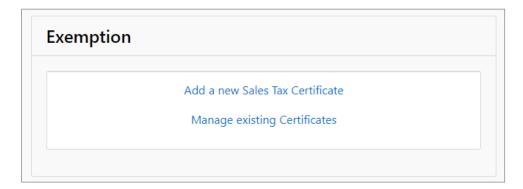
 Checkout page: The Exemptions card can be inserted in an ISML file used during the checkout process. For example, with reference to Salesforce base cartridges, go to file 'cartridges\app\_storefront\_base\cartridge\templates\default\checkout\checkout\checkout.isml' and insert the following block of code to add the exemptions card to the layout:

#### The

'cartridges\int\_avatax\_sfra\cartridge\templates\default\avatax\certificates\sfCheckoutCert Links.isml' page will be added to the Dashboard UI and displayed as follows. This will add the exemptions card to the checkout page. For guest users, the exemption functionality is not available, hence the message will be displayed as follows:



If the customer is registered and the storefront exemptions is enabled by the Admin on the Settings page, the exemption section will be displayed as follows:



Selecting **Add a new Sales Tax Certificate** opens a pop-up with dropdown list of exposure zones, selecting which will initialize GenCert and you can navigate through the details asked to create a new certificate. The process is same as explained earlier for the Business Manager.

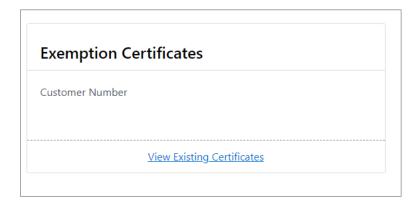
Selecting **Manage existing Certificates** will redirect customer to the dashboard page to view certificate details section.

 Dashboard page: On the customer account Dashboard page, the exemptions card can be inserted in the ISML file being used. This will add the exemption flow to the UI page for customer to navigate. For example, with reference to Salesforce base cartridges, go to file

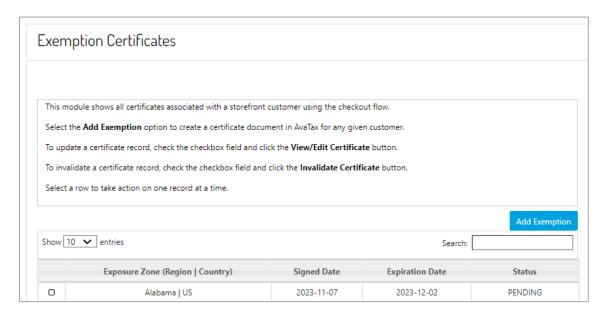
'cartridges\app\_storefront\_base\cartridge\templates\default\account\dashboardProfileCa rds.isml' and insert the below block of code to add the manage certificates card to the layout:

#### The

'cartridges\int\_avatax\_sfra\cartridge\templates\default\avatax\certificates\sfAccCert.isml' page will be added to the Dashboard UI and show as below under 'Exemption Certificates':



Selecting the **View Existing Certificates** link, the customer gets redirected to certificate details page:



On selecting the **Add Exemption** button, a new certificate can be created using GenCert in the pop-up box. The existing certificates are populated in the table with the associated dates and status. To view further details of a particular certificate, select the checkbox for the certificate and select the **View/Edit Certificate** button. To invalidate that certificate, select the **Invalidate Certificate** button. Both view and invalidate features work the same as explained earlier for Business Manager.

### **GenCert Configuration**

GenCert provides some optional parameters that can be set according to admin preferences. Further information on how they can be utilized is provided in GenCert documentation: <a href="https://knowledge.avalara.com/bundle/sgv1667483188945">https://knowledge.avalara.com/bundle/sgv1667483188945</a> sgv1667483188945/page/Install\_AvaCe rt\_for\_eCommerce.html.

To configure these parameters for Create certificate feature in:

Business Manager: Under Avatax > Exemption Certificates > Customer, for the Create
 Certificate feature, GenCert parameters can be configured in the file
 'cartridges\bm\_avatax\cartridge\static\default\js\avcustomerdetail.js'. Some optional
 parameters have been added, for example, to enable the option to print/download a
 certificate upon successful creation by setting the attribute 'show files' to true. If this attribute
 is set to false, the Print/Download certificate link that appears under success message
 upon certificate creation will not be visible.

- Checkout page on Storefront: GenCert parameters for create certificate feature in checkout flow can be configured in file 'cartridges\int\_avatax\_sfra\cartridge\static\default\js\checkoutpggencert.js'.
- Dashboard page on Storefront: GenCert parameters for create certificate feature on dashboard page can be configured in file 'cartridges\int\_avatax\_sfra\cartridge\static\default\js\avacertificates.js'.

#### 3.10. Exemption Number

The **Exemption Number** field has been provided on the Customer profile page in Business Manager. Upon successful import of metadata provided in the AvaTax B2C package, the exemption number field will be added to the customer profile page and visible on the UI. Go to **Merchant Tools > Customers > Manage Customers** and select a customer. On the customer profile page, under the AvaTax section, there will be a field **Exemption Number** which the admin can populate. This field will be sent during checkout for the registered customer and if the value is populated, the tax will be exempt, and details can be viewed on the CUP portal for verification.



#### 3.11. External Interfaces

All requests are done through AvaTax REST v2 API. The full reference guide, along with the resource structure for requests, can be found on their developer site - https://developer.avalara.com/api-reference/AvaTax/rest/v2/

### 3.12. Firewall Requirements

No firewall changes are required.

### 3.13. Testing

The cartridge also contains unit tests.

You can run npm test in the terminal or windows command prompt to execute all unit tests in the project. Unit tests are present under /test/unit directory.

### 4.0. Operations, Maintenance

### 4.1. Data Storage

The only Custom Objects stored in Salesforce B2C Commerce are the ones created during the initial import. These are described in the <u>Configuration section</u>.

For data stored by Avalara, please refer to website - http://www.avalara.com/

### 4.2. Availability

Cartridge functionality is dependent on the availability of the AvaTax API service. Current AvaTax operational status can be viewed here - <a href="https://status.avalara.com/">https://status.avalara.com/</a>

#### 4.3. Support

If you encounter any issues related to configuring or testing this integration, you may contact Avalara customer support for assistance. You can submit a case by email, telephone or chat. Please go to http://avalara.com/Technical-Support for more details as availability will vary depending on your support package.

#### 4.4. Object Mapping

All the mappings related to lines have been put in a single place. To maintain object mapping for calculate tax, please follow the steps below:

- 1. Go to cartridges\int\_avatax\_svcclient\cartridge\scripts\avatax\helpers\calculateTaxHelper.js
- 2. Modify the mapping as per the requirement

### 4.5. Object Mapping Documentation

For object mapping documentation, use the following steps:

- 1. Go to avataxObjectMapping.html file under cartridges\bm\_avatax\cartridge\static\default
- 2. Find the reference of mapping in the HTML and replace as per the requirements.
- 3. To create a new mapping, enter a grid-table-row under the table related to the mapping.

#### 5.0. FAQs

#### How to ensure accurate tax calculation?

- Make a note to configure tax codes, UPC codes, and any discounts for products in Business Manager. This information is used by AvaTax to accurately calculate taxes for a product.
- This can either be manually configured in Business Manager > Merchant Tools > Products module or using a Product feed containing these attribute values.

### When exactly is tax calculated in the e-commerce journey?

- o On Shipping page
- When the end-user fills the shipping address details and continues to the billing page
- When the end-user changes shipping method (provided that the Basket has shipping address accessible)

### How many calls are made to AvaTax?

While the number of calls made to AvaTax are subject to Basket modifications, address modifications, discounts applications etc., the below list indicates a minimum number of calls made to AvaTax during the checkout journey.

- On shipping page, after filling shipping address and continuing to billing page (as SalesOrder document)
- On Billing page, on filling the billing address (as SalesOrder document)
- On Placing the order (as SalesInvoice document in uncommitted state)
- Calls to AvaTax may also be made if the content of the Basket changes in any sense during the checkout process. i.e. If the user adds/removes a product in/from the Basket, or applies a discount, changes an address, or changes the shipping method etc.

#### How to disable AvaTax on a site?

To disable AvaTax tax calculation and/or address validation for a site -

- Set the values of the Custom Preferences 'Enable AvaTax' and 'Enable AvaTax Address Validation' to No. (Business Manager > Merchant Tools > Site Preferences > Custom Preferences > AvaTax)
- Remove any code changes made as a part of AvaTax integration.

- What happens when the taxes cannot be calculated because of service unavailability, for example?
  - The tax values are set to Zero instead of fall back to system defined tax rates. This is to ensure that the tax calculation is entirely handled by AvaTax for compliance.
- What happens when an order fails during checkout after taxes have been calculated?
  - If an order fails at any point of the checkout process due to some unexpected error (payment failure, internet issues etc.), the order details are not captured on the AvaTax Transactions page and error logs are placed. Only after successful checkout, the sales invoice can be placed in AvaTax.

## 6.0. Known Issues

No known existing issues. Please report any issues to <a href="mailto:support@avalara.com">support@avalara.com</a>.

# 7.0. Release History

Version	Date	Changes
1.0	8/8/2010	Initial release
1.1	4/6/2011	Shipping Address Validation call added.
1.2	5/4/2011	Shipping Address Validation standalone call added.
2.0	7/29/2013	<ul> <li>AvaTax Testing Center added for clients and developers.</li> <li>Test Connection, Commit and Cancel Tax features added.</li> <li>AVS enhancements added.</li> <li>Transaction logging added.</li> <li>Customer and Entity/Use code added.</li> <li>Fixed order level promotion bugs.</li> <li>Fixed documentation and added enhancement steps.</li> <li>Added more custom preferences and configurations for the enhancements displayed above.</li> <li>Cleaned up code and added detailed comments</li> </ul>
2.1	7/16/2015	<ul> <li>Fixed Multi-Shipping.</li> <li>Implemented use of Web Service Framework Configuration on SFCC Platform.</li> <li>Added metadata files and instructions on importing.</li> </ul>
3.0	8/12/2015	Refactored cartridge.
3.1	6/8/2016	<ul> <li>Changed Detail Level</li> <li>Updated to use total tax per line instead of recalculating based on tax rate.</li> </ul>
3.2	6/30/2016	<ul> <li>Added Country Code, Currency Code, and VAT ID (if applicable) to GetTax request.</li> <li>Reduced number of calls made to the service.</li> </ul>
3.3	12/10/2017	Added support for controllers.
19.1	07/12/2018	<ul> <li>AvaTax REST API support.</li> <li>Added support for VAT and Invoice Messages for EU countries.</li> <li>Reconciliation Utility BM Extension.</li> <li>Commit Transaction on successfully placing order.</li> <li>Custom Customer Code support.</li> </ul>

© Avalara Inc. All rights reserved. Page **43** of **44** 

19.2	06/12/2019	<ul> <li>Added cross border tax calculation support.</li> <li>New BM tools for AvaTax settings.</li> </ul>
22.1	02/18/2022	<ul> <li>Origin address validation feature added on Configuration page.</li> <li>Line level addressing for multiple ship from addresses.</li> <li>Logger functionality.</li> </ul>
22.2	06/10/2022	<ul> <li>Beverages and Alcohol tax calculation added.</li> <li>Test connection successful prompt with active subscriptions.</li> <li>Changed lineLevelAddress.json path for line level feature.</li> </ul>
22.3	09/08/2022	<ul> <li>Tax Calculation Code refactoring.</li> <li>Mapped Fields Reporting Tool link added on Configuration page.</li> </ul>
22.4	12/09/2022	<ul> <li>Beverages and Alcohol transaction parameters and returns related functionality added.</li> <li>Beverages and Alcohol transaction related changes on Reconciliation page added.</li> </ul>
23.1	03/17/2023	Fixed invoice logic to place sales invoice of Transaction to AvaTax only upon successful order checkout.
23.2	09/15/2023	Added Enhanced VAT functionality.
23.3	12/01/2023	<ul> <li>Exemption utility for Business Manager and Storefront</li> <li>Exemption number field utility</li> <li>HS code field mapping for cross border transactions</li> </ul>
24.2	12/11/2024	Connector configurations in Avalara Portal for simplification