



# Avalara AvaTax for Microsoft Dynamics 365 for Sales

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## System Integration Document for Avalara AvaTax

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# Table of Contents

- 1.0. Integration Points.....3
- 2.0. Custom Prefix .....3
- 3.0. Data Model and Design .....4
  - 3.1. Account Entity .....4
  - 3.2. Invoice/ Order/ Quote Entity.....5
  - 3.3. Invoice Product/ Order Product/ Quote Product Entity.....7
  - 3.4. Product Entity .....8
  - 3.5. Avalara Tax Setup Entity .....8
  - 3.6. AvaTax Log Entity.....9
  - 3.7. AvaTax Type Code Entity .....10
  - 3.8. Entity/Use Code Entity .....10
- 4.0. Plug-in Assemblies .....11
  - 4.1. Plugin: AvalaraTax.ConfigurationValidation .....12
  - 4.2. Plugin: AvalaraTax.CancelCommitTax .....13
  - 4.3. Plugin: AvalaraTax.PromptTaxCalculation.....14
  - 4.4. Plugin: AvalaraTax.TaxCalculation .....16
  - 4.5. Plugin: AvalaraTax.AddressValidation .....18

## 1.0. Integration Points

Avalara AvaTax solution uses the following entities:

Sr. No.	Entity	Address Validation	Calculate Tax	Latitude/ Longitude	Entity/Use Code Mapping	Tax Date Override	Tax Code Mapping	AvaTax Message
1	Account	Yes	No	Yes	Yes	No	No	No
2	Invoice	Yes	Yes	Yes	Yes	Yes	No	Yes
3	Invoice Product	Yes	No	Yes	No	No	Yes (for write in products)	No
4	Order	Yes	Yes	Yes	Yes	Yes	No	Yes
5	Order Product	Yes	No	Yes	No	No	Yes (for write in products)	No
7	Quote	Yes	Yes	Yes	Yes	Yes	No	Yes
8	Quote Product	Yes	No	Yes	No	No	Yes (for write in products)	No
9	Product	No	No	No	No	No	Yes	No

## 2.0. Custom Prefix

Avalara AvaTax uses custom prefix as “ava” for the custom entity and custom attributes. Any new components and fields added in Avalara AvaTax solution have prefix as “ava.”.

**Set the prefix name for custom entities and fields**

Prefix \*

Name Preview

## 3.0. Data Model and Design

### 3.1. Account Entity

Avalara AvaTax uses the Account Entity to store the Taxability and Avalara Tax Code information for the customer.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_entityusecodeid	Entity/Use Code ID	Lookup	True	<ul style="list-style-type: none"> <li>It allows you to browse the Entity/Use Code value from the Entity/Use Code extension.</li> </ul>
2.	ava_businessidnumber	Business Identification Number	A single line of text.	True	<ul style="list-style-type: none"> <li>This field stores the Business Identification Number.</li> </ul>
3.	ava_avalartax	Avalara Tax	Lookup	True	<ul style="list-style-type: none"> <li>Relationship Name: ava_ava_avalartax_account</li> </ul>
4.	ava_isaddressvalid	IsAddressValid	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default value: No</li> </ul>
5.	ava_addressvalidation	AddressValidation	Two Options	True	<ul style="list-style-type: none"> <li>Invalid</li> <li>Valid/Override</li> <li>Default value: Invalid</li> </ul>
6.	ava_line1	line1	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line1.</li> </ul>
7.	ava_line2	line2	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line2.</li> </ul>
8.	ava_line3	line3	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line3.</li> </ul>
9.	ava_city	city	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the City.</li> </ul>
10.	ava_stateorprovince	stateorprovince	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the stateorprovince.</li> </ul>
11.	ava_postalcode	postalcode	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for postalcode.</li> </ul>
12.	ava_country	country	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the Country.</li> </ul>
13.	ava_latitude	Latitude	A single line of text.	True	<ul style="list-style-type: none"> <li>It is used to store the Latitude value.</li> </ul>
14.	ava_longitude	Longitude	A single line of text.	True	<ul style="list-style-type: none"> <li>It is used to store the Longitude value.</li> </ul>

### 3.2. Invoice/ Order/ Quote Entity

Avalara AvaTax uses the Invoice/ Order/ Quote Entity to store custom fields required for tax calculation.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_addressvalidation	AddressValidation	Two Options	True	<ul style="list-style-type: none"> <li>Invalid</li> <li>Valid/Override</li> <li>Default value: Invalid</li> </ul>
2.	Ava_addressval	Addressval	A single line of Text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; used to identify Address Validation for Ship To Address or Bill To Address.</li> </ul>
3.	ava_avalartax	Avalara Tax	Lookup	True	<ul style="list-style-type: none"> <li>Relationship Name: ava_ava_avalartax_invoice_AvalaraTax</li> </ul>
4.	ava_calculatetax	Calculate Tax	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>
5.	ava_isaddressvalid	IsAddressValid	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>
6.	ava_istaxcalculated	IsTaxCalculated	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>
7.	ava_originaccount	Origin Account	Lookup	True	<ul style="list-style-type: none"> <li>Relationship Name: ava_account_invoice_OriginAccount</li> </ul>
8.	ava_overridetax	Override Tax	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>
9.	ava_taxoverridetype	Tax Override Type	Option Set	True	Options: <ul style="list-style-type: none"> <li>None</li> <li>TaxAmount</li> <li>TaxDate</li> <li>Exemption</li> </ul>
10.	ava_taxoverrideamount	Tax Override Amount	Currency	True	<ul style="list-style-type: none"> <li>This field stores the Tax Override Amount.</li> </ul>
11.	ava_taxoverridedate	Tax Override Date	Date and Time	True	<ul style="list-style-type: none"> <li>This field stores the Tax Override Date.</li> </ul>
12.	ava_taxoverridereason	Tax Override Reason	A single line of text.	True	<ul style="list-style-type: none"> <li>This field stores the Tax Override Reason.</li> </ul>
13.	ava_businessidnumber	Business Identification Number	A single line of text.	True	<ul style="list-style-type: none"> <li>This field stores the Business Identification Number.</li> </ul>
14.	ava_invoicemessages	Invoice Messages	Multiple lines of text.	True	<ul style="list-style-type: none"> <li>This field displays the Invoice Messages.</li> </ul>

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
15.	ava_line1	line1	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line1.</li> </ul>
16.	ava_line2	line2	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line2.</li> </ul>
17.	ava_line3	line3	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line3.</li> </ul>
18.	ava_city	city	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the City.</li> </ul>
19.	ava_stateorprovince	stateorprovince	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for stateorprovince.</li> </ul>
20.	ava_postalcode	postalcode	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for postalcode.</li> </ul>
21.	ava_country	country	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the Country.</li> </ul>
22.	ava_shiptoline1	shipToline1	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for shipToline1.</li> </ul>
23.	ava_shiptoline2	shipToline2	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for shipToline2.</li> </ul>
24.	ava_shiptoline3	shipToline3	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for shipToline3.</li> </ul>
25.	ava_shiptocity	shipTocity	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for shipTocity.</li> </ul>
26.	ava_shiptopostalcode	shipTopostalcode	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for shipTopostalcode.</li> </ul>
27.	ava_shiptocountry	shipTocountry	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for shipTocountry.</li> </ul>
28.	ava_latitude	Latitude	A single line of text.	True	<ul style="list-style-type: none"> <li>It is used to store the Latitude value.</li> </ul>
29.	ava_longitude	Longitude	A single line of text.	True	<ul style="list-style-type: none"> <li>It is used to store the Longitude value.</li> </ul>

### 3.3. Invoice Product/ Order Product/ Quote Product Entity

Avalara AvaTax uses the Invoice Product/ Order Product/ Quote Product Entity to store the Avalara Tax Code for a discount.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_taxcode	Tax Code	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_avataxtypecode_invoicedetail_taxcode</li> <li>To map Avalara Tax Code for write in product.</li> </ul>
2.	ava_avalartax	Avalara Tax	Lookup	True	<ul style="list-style-type: none"> <li>Relationship Name : ava_avalartax_invoicedetail_AvalaraTax</li> </ul>
3.	ava_isaddressvalid	IsAddressValid	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value : No</li> </ul>
4.	ava_line1	line1	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line1.</li> </ul>
5.	ava_line2	line2	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line2.</li> </ul>
6.	ava_line3	line3	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for line3.</li> </ul>
7.	ava_city	city	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the City.</li> </ul>
8.	ava_stateorprovince	stateorprovince	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for stateorprovince.</li> </ul>
9.	ava_postalcode	postalcode	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for postalcode.</li> </ul>
10.	ava_country	country	A single line of text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Validated Address for the Country.</li> </ul>
11.	ava_latitude	Latitude	A single line of text.	True	<ul style="list-style-type: none"> <li>It is used to store the Latitude value.</li> </ul>
12.	ava_longitude	Longitude	A single line of text.	True	<ul style="list-style-type: none"> <li>It used to store the Longitude value.</li> </ul>

### 3.4. Product Entity

Avalara AvaTax uses the Product Entity to store the Taxability and Avalara Tax Code for Products.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_taxcode	Tax Code	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name : ava_ava_avataxtypecode_product_TaxCode</li> <li>To map Avalara Tax Code for existing product.</li> </ul>

### 3.5. Avalara Tax Setup Entity

Avalara AvaTax uses the Avalara Tax Setup Entity to store Configuration related information for AvaTax.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_avataxaccountnumber	AvaTax Account Number	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>This field stores the AvaTax Account Number.</li> </ul>
2.	ava_avataxadminconsole	AvaTax Admin Console	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Admin Console URL.</li> </ul>
3.	ava_avataxlicensekey	AvaTax License Key	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>This field stores the Avatax License Key.</li> </ul>
4.	ava_avataxlogged	AvaTax Logged	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>
5.	ava_avataxurl	AvaTax Url	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>This field stores the Sandbox or Production URL.</li> </ul>
6.	ava_webserviceurl	WebService URL	Two Options	True	<ul style="list-style-type: none"> <li>Sandbox</li> <li>Production</li> </ul>
7.	ava_commit	Commit	Two Options	True	<ul style="list-style-type: none"> <li>at invoice payment</li> <li>at invoice creation</li> <li>Default Value: at invoice payment</li> </ul>
8.	ava_companycode	Company Code	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>This is read only field which displays the Company Code.</li> </ul>
9.	ava_disabletaxcalculation	Disable Tax Calculation	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>
10.	ava_disableaddressvalidation	Disable Address Validation	Two Options	True	<ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Default Value: No</li> </ul>



Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
11.	ava_originaccount	Origin Account	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_avalartax_OriginAccount</li> </ul>
12.	ava_shippingtaxcode	Shipping Tax Code	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_avalartax_shippingtaxcode</li> </ul>
13.	ava_version	Version	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>This field stores the Connector Version.</li> </ul>
14.	ava_txtcompanycode	txtcompanycode	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Company Code.</li> </ul>
15.	ava_companyname	companyName	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Company Name.</li> </ul>
16.	ava_txtcompanynames	txtcompanynames	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>It is a hidden field; it stores the Company Names.</li> </ul>

### 3.6. AvaTax Log Entity

Avalara AvaTax uses the AvaTax Log Entity to provide general information for a GetTax Request and Response.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_avataxconfig	AvaTax Config	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_ava_avalartax_ava_avataxlog_AvaTaxConfig</li> </ul>
2.	ava_executiondate	Execution Date	Date and Time	True	<ul style="list-style-type: none"> <li>This field stores the log information on the executed dates.</li> </ul>
3.	ava_quote	Quote	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_quote_ava_avataxlog_Quote</li> </ul>
4.	ava_requestbody	Request Body	Multiple Lines of Text	True	<ul style="list-style-type: none"> <li>This field stores the log information for the request created.</li> </ul>
5.	ava_response	Response	Multiple Lines of Text	True	<ul style="list-style-type: none"> <li>This field stores the tax detail information for the line items.</li> </ul>
6.	ava_responsebody	Response Body	Multiple Lines of Text	True	<ul style="list-style-type: none"> <li>This field stores the log information for the response generated.</li> </ul>
7.	ava_result	Result	A Single Line of Text.	True	<ul style="list-style-type: none"> <li>This field displays either a success message or the error message.</li> </ul>

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
8.	ava_salesorder	Sales Order	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_salesorder_ava_avataxlog_SalesOrder</li> </ul>
9.	ava_message	Message	Multiple lines of Text	True	<ul style="list-style-type: none"> <li>It is used to store the Error Message.</li> </ul>
10.	ava_invoice	Invoice	Lookup	True	<ul style="list-style-type: none"> <li>Relationship name: ava_invoice_ava_avataxlog_Invoice</li> </ul>

### 3.7. AvaTax Type Code Entity

Avalara AvaTax uses the AvaTax Type Code Entity to import or create any new Avalara Tax Code.

Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_additionalinformation	Additional Information	Multiple Lines of text	True	<ul style="list-style-type: none"> <li>This field stores the additional information for the Avalara Tax Code.</li> </ul>
2.	ava_description	Description	A single line of text.	True	<ul style="list-style-type: none"> <li>This field stores the description of the Avalara Tax Code.</li> </ul>

### 3.8. Entity/Use Code Entity

Avalara AvaTax uses the Entity/Use Code entity to import or create any new Entity/Use Code. Avalara AvaTax creates and customizes the following fields:

Sr. No.	Field Name	Display Name	Type	Custom Attribute	Descriptions
1.	ava_entityid	entityid	A single line of text	True	<ul style="list-style-type: none"> <li>This field stores the Entity/Use Code.</li> </ul>
2.	ava_description	Description	A single line of text	True	<ul style="list-style-type: none"> <li>This field stores the description of the Entity/Use Code.</li> </ul>

### 4.0. Plug-in Assemblies

AvalaraTaxIntegration assembly includes five different plugins as described below:

Sr. No.	Plugin	Descriptions	Step Name	Pre-Image
1.	AvalaraTax.ConfigurationValidation	<ul style="list-style-type: none"> <li>It validates the Avalara License Key and Account Number entered in the Configuration window.</li> </ul>	AvalaraTax.ConfigurationValidation: Create of ava_avalartax	No
			AvalaraTax.ConfigurationValidation: Update of ava_avalartax	No
2.	AvalaraTax.CancelCommitTax	<ul style="list-style-type: none"> <li>It gathers all the required parameters from the Preimage and triggers the Cancel Tax call.</li> </ul>	AvalaraTax.CancelCommitTax: update statecode of invoice	Yes
3.	AvalaraTax.PromptTaxCalculation	<ul style="list-style-type: none"> <li>The plugin prompts the required warnings/messages in case if Tax is not updated on the entity. Get the required parameters from the Preimage registered and prompts the warning/messages.</li> </ul>	AvalaraTax.PromptTaxCalculation: Update of quote	Yes
			AvalaraTax.PromptTaxCalculation: Update of invoice	Yes
			AvalaraTax.PromptTaxCalculation: Update of salesorder	Yes
4.	AvalaraTax.TaxCalculation	<ul style="list-style-type: none"> <li>This plugin holds the logic to fetch the information for Address, Customer Data, Document Discounts, Product Lines, Freight Line, Tax Override, Doc Type for the Tax Calculation.</li> </ul>	AvalaraTax.TaxCalculation: Update of quote	Yes
			AvalaraTax.TaxCalculation: Update of salesorder	Yes
			AvalaraTax.TaxCalculation: Update of invoice	Yes
5.	AvalaraTax.AddressValidation	<ul style="list-style-type: none"> <li>This plugin validates the address in the following entities:                             <ul style="list-style-type: none"> <li>Account</li> <li>Sales Order</li> <li>Salesorderdetail</li> <li>Invoice</li> <li>Invoicedetail</li> <li>Quote</li> <li>Quotedetail.</li> </ul> </li> </ul>	AvalaraTax.AddressValidation: Update of salesorder	Yes
			AvalaraTax.AddressValidation: Update of invoice	Yes
			AvalaraTax.AddressValidation: Update of quote	Yes
			AvalaraTax.AddressValidation: Update of account	Yes
			AvalaraTax.AddressValidation: Update of quotedetail	Yes
			AvalaraTax.AddressValidation: Update of invoicedetail	Yes
			AvalaraTax.AddressValidation: Update of salesorderdetail	Yes

### 4.1. Plugin: AvalaraTax.ConfigurationValidation

#### Step: AvalaraTax.ConfigurationValidation: Create of ava\_avalartax

General Configuration Information

Message:

Primary Entity:

Secondary Entity:

Filtering Attributes:

Event Handler:

Step Name:

Run in User's Context:

Execution Order:

Description:

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input checked="" type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

#### Step: AvalaraTax.ConfigurationValidation: Update of ava\_avalartax

General Configuration Information

Message:

Primary Entity:

Secondary Entity:

Filtering Attributes:

Event Handler:

Step Name:

Run in User's Context:

Execution Order:

Description:

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input checked="" type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

## 4.2. Plugin: AvalaraTax.CancelCommitTax

### Step: AvalaraTax.CancelCommitTax: update statecode of invoice

General Configuration Information		
Message	<input type="text" value="Update"/>	
Primary Entity	<input type="text" value="invoice"/>	
Secondary Entity	<input type="text" value="none"/>	
Filtering Attributes	<input type="text" value="statecode"/> ...	
Event Handler	<input type="text" value="(Plugin) AvalaraTax.CancelCommitTax"/> ▼	
Step Name	<input type="text" value="AvalaraTax.CancelCommitTax: update statecode of invoice"/>	
Run in User's Context	<input type="text" value="Calling User"/> ▼	
Execution Order	<input type="text" value="3"/>	
Description	<input type="text" value="AvalaraTax.CancelCommitTax: update statecode of invoice"/>	
Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="text" value="PreOperation"/> ▼	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

### 4.3. Plugin: AvalaraTax.PromptTaxCalculation

#### Step: AvalaraTax.PromptTaxCalculation: Update of quote

General Configuration Information

Message	Update
Primary Entity	quote
Secondary Entity	none
Filtering Attributes	accountid, ava_avalartax, billto_composite, freightamount ...
Event Handler	(Plugin) AvalaraTax.PromptTaxCalculation
Step Name	AvalaraTax.PromptTaxCalculation: Update of quote
Run in User's Context	Calling User
Execution Order	1
Description	AvalaraTax.PromptTaxCalculation: Update of quote

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input checked="" type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

#### Step: AvalaraTax.PromptTaxCalculation: Update of invoice

General Configuration Information

Message	Update
Primary Entity	invoice
Secondary Entity	none
Filtering Attributes	accountid, billto_composite, customerid, freightamount, di ...
Event Handler	(Plugin) AvalaraTax.PromptTaxCalculation
Step Name	AvalaraTax.PromptTaxCalculation: Update of invoice
Run in User's Context	Calling User
Execution Order	1
Description	AvalaraTax.PromptTaxCalculation: Update of invoice

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input checked="" type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

### Step: AvalaraTax.PromptTaxCalculation: Update of salesorder

General Configuration Information		
Message	<input type="text" value="Update"/>	
Primary Entity	<input type="text" value="salesorder"/>	
Secondary Entity	<input type="text" value="none"/>	
Filtering Attributes	<input type="text" value="accountid, billto_composite, customerid, freightamount, di"/> ...	
Event Handler	<input type="text" value="(Plugin) AvalaraTax.PromptTaxCalculation"/> ▼	
Step Name	<input type="text" value="AvalaraTax.PromptTaxCalculation: Update of salesorder"/>	
Run in User's Context	<input type="text" value="Calling User"/> ▼	
Execution Order	<input type="text" value="1"/>	
Description	<input type="text" value="AvalaraTax.PromptTaxCalculation: Update of salesorder"/>	
Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input checked="" type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

#### 4.4. Plugin: AvalaraTax.TaxCalculation

##### Step: AvalaraTax.TaxCalculation: Update of quote

General Configuration Information

Message:

Primary Entity:

Secondary Entity:

Filtering Attributes:  ...

Event Handler: (Plugin) AvalaraTax.TaxCalculation

Step Name: AvalaraTax.TaxCalculation: Update of quote

Run in User's Context: Calling User

Execution Order: 2

Description: AvalaraTax.TaxCalculation: Update of quote

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input checked="" type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

##### Step: AvalaraTax.TaxCalculation: Update of salesorder

General Configuration Information

Message:

Primary Entity:

Secondary Entity:

Filtering Attributes:  ...

Event Handler: (Plugin) AvalaraTax.TaxCalculation

Step Name: AvalaraTax.TaxCalculation: Update of salesorder

Run in User's Context: Calling User

Execution Order: 2

Description: AvalaraTax.TaxCalculation: Update of salesorder

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input checked="" type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		



### Step: AvalaraTax.TaxCalculation: Update of invoice

General Configuration Information		
Message	<input type="text" value="Update"/>	
Primary Entity	<input type="text" value="invoice"/>	
Secondary Entity	<input type="text" value="none"/>	
Filtering Attributes	<input type="text" value="ava_calculatetax"/>	<input type="button" value="..."/>
Event Handler	<input type="text" value="(Plugin) AvalaraTax.TaxCalculation"/>	
Step Name	<input type="text" value="AvalaraTax.TaxCalculation: Update of invoice"/>	
Run in User's Context	<input type="text" value="Calling User"/>	
Execution Order	<input type="text" value="2"/>	
Description	<input type="text" value="AvalaraTax.TaxCalculation: Update of invoice"/>	
Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input checked="" type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

### 4.5. Plugin: AvalaraTax.AddressValidation

#### Step: AvalaraTax.AddressValidation: Update of salesorder

General Configuration Information

Message:

Primary Entity:

Secondary Entity:

Filtering Attributes:  ...

Event Handler: (Plugin) AvalaraTax.AddressValidation

Step Name: AvalaraTax.AddressValidation: Update of salesorder

Run in User's Context: Calling User

Execution Order: 1

Description: AvalaraTax.AddressValidation: Update of salesorder

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input checked="" type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

#### Step: AvalaraTax.AddressValidation: Update of invoice

General Configuration Information

Message:

Primary Entity:

Secondary Entity:

Filtering Attributes:  ...

Event Handler: (Plugin) AvalaraTax.AddressValidation

Step Name: AvalaraTax.AddressValidation: Update of invoice

Run in User's Context: Calling User

Execution Order: 1

Description: AvalaraTax.AddressValidation: Update of invoice

Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input checked="" type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

### Step: AvalaraTax.AddressValidation: Update of quote

General Configuration Information		
Message	Update	
Primary Entity	quote	
Secondary Entity	none	
Filtering Attributes	ava_isaddressvalid	
Event Handler	(Plugin) AvalaraTax.AddressValidation	
Step Name	AvalaraTax.AddressValidation: Update of quote	
Run in User's Context	Calling User	
Execution Order	1	
Description	AvalaraTax.AddressValidation: Update of quote	
Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="radio"/> Pre-validation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
<input type="radio"/> Pre-operation	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input checked="" type="radio"/> Post-operation		
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

### Step: AvalaraTax.AddressValidation: Update of account

General Configuration Information		
Message	Update	
Primary Entity	account	
Secondary Entity	none	
Filtering Attributes	ava_isaddressvalid	
Event Handler	(Plugin) AvalaraTax.AddressValidation	
Step Name	AvalaraTax.AddressValidation: Update of account	
Run in User's Context	Calling User	
Execution Order	1	
Description	AvalaraTax.AddressValidation: Update of account	
Event Pipeline Stage of Execution	Execution Mode	Deployment
PreOperation	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		

**Step: AvalaraTax.AddressValidation: Update of quotedetail**

General Configuration Information

Message: Update

Primary Entity: quotedetail

Secondary Entity: none

Filtering Attributes: ava\_isaddressvalid

Event Handler: (Plugin) AvalaraTax.AddressValidation

Step Name: AvalaraTax.AddressValidation: Update of quotedetail

Run in User's Context: Calling User

Execution Order: 1

Description: AvalaraTax.AddressValidation: Update of quotedetail

Event Pipeline Stage of Execution: PreOperation

Execution Mode:  Asynchronous  Synchronous

Deployment:  Server  Offline

Delete AsyncOperation if StatusCode = Successful

**Step: AvalaraTax.AddressValidation: Update of invoicedetail**

General Configuration Information

Message: Update

Primary Entity: invoicedetail

Secondary Entity: none

Filtering Attributes: ava\_isaddressvalid

Event Handler: (Plugin) AvalaraTax.AddressValidation

Step Name: AvalaraTax.AddressValidation: Update of invoicedetail

Run in User's Context: Calling User

Execution Order: 1

Description: AvalaraTax.AddressValidation: Update of invoicedetail

Event Pipeline Stage of Execution: PreOperation

Execution Mode:  Asynchronous  Synchronous

Deployment:  Server  Offline

Delete AsyncOperation if StatusCode = Successful

### Step: AvalaraTax.AddressValidation: Update of salesorderdetail

General Configuration Information		
Message	<input type="text" value="Update"/>	
Primary Entity	<input type="text" value="salesorderdetail"/>	
Secondary Entity	<input type="text" value="none"/>	
Filtering Attributes	<input type="text" value="ava_isaddressvalid"/> ...	
Event Handler	<input type="text" value="(Plugin) AvalaraTax.AddressValidation"/> ▼	
Step Name	<input type="text" value="AvalaraTax.AddressValidation: Update of salesorderdetail"/>	
Run in User's Context	<input type="text" value="Calling User"/> ▼	
Execution Order	<input type="text" value="1"/>	
Description	<input type="text" value="AvalaraTax.AddressValidation: Update of salesorderdetail"/>	
Event Pipeline Stage of Execution	Execution Mode	Deployment
<input type="text" value="PreOperation"/> ▼	<input type="radio"/> Asynchronous	<input checked="" type="checkbox"/> Server
	<input checked="" type="radio"/> Synchronous	<input type="checkbox"/> Offline
<input type="checkbox"/> Delete AsyncOperation if StatusCode = Successful		