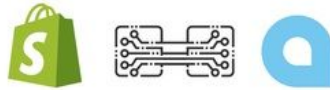# Bridge for Shopify-Acumatica

Configuring Acumatica for Synchronization with Shopify

This guide is designed to help prepare your Acumatica instance for integration with Shopify using Logic Automated's **Bridge for Shopify Acumatica** cloud-based connector.

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REQUIREMENTS

About This Guide

This guide assumes familiarity with all of the basic constructs in Acumatica Financials and Distribution modules: AR, AP, GL, Cash Management, Taxes, Sales Orders, Inventory. All of the concepts referenced herein are contained in the F100, F200, F335 and D100 training courses.

Acumatica

Bridge for Shopify-Acumatica (heretofore referred to as "Bridge") requires an internet-accessible instance of **Acumatica 2019 R1** or higher. The Acumatica instance must have licenses for both **Financials** and **Distribution**. Feel free to reach out to our support if you need assistance coordinating with your IT team, especially as relates to internet-accessibility.

Shopify

Bridge is compatible with **Basic Shopify**, **Shopify**, **Advanced Shopify** and **Shopify Plus**. The user performing the installation must have permission to install Shopify Apps on the store.

Synchronization Between Systems

Bridge has the following requirements as regard synchronization:

- Acumatica Customer ID's will be assigned a Shopify Customer ID
- Shopify SKU's must exactly match Acumatica Stock Item ID's
- There can be no duplicate SKU's in Shopify

The following approaches for synchronization of Taxes between systems is allowed:

- Shopify for Calculation / Shopify for Reporting
- Shopify for Calculation / TaxJar for Reporting
- AvaTax for Calculation / AvaTax for Reporting (from Shopify)

INVENTORY & ORDER MANAGEMENT SETUP

Base Requirements

This guide assumes you have your Acumatica instance configured for basic operations, including customers, AR/AP, Cash Management, Chart of Accounts etc.

> **If you are in the process of evaluating Bridge, Acumatica's F300 sample data provides a convenient reference point from which to start configuration.**

Distribution Module Features

Under "Enable/Disable Features" in Acumatica, the following features must be enabled:

1. Inventory and Order Management
    a. Standard Inventory
        i. Inventory
    b. Advanced Inventory
        i. Multiple Warehouses

Units of Measurement

Bridge is currently designed to work with **ounces**. In future releases, there may be the capability to use alternate units of measure. Please ensure the following units of measure are specified:

OZ	OZ	Multiply	1.00
LBS	LBS	Multiply	1.00
LBS	OZ	Multiply	16.00

Under Companies, set the *Weight UOM to **OZ**.

MISCELLANEOUS SETTINGS (SHARED)

Quantity Decimal Places:	2
Price/Cost Decimal Pla…	2
* Weight UOM:	OZ
* Volume UOM:	LITER
Phone Mask:	

Settings & Preferences

The following areas must be properly configured for Bridge to work:

1. Reason Codes

a. Inventory Receipts

b. Adjustments

c. Returns/Issues

d. Inventory Loss or Damage

2. Inventory Preferences

a. Posting Settings

b. Default Reason Codes

c. Clearing Account

d. In-Transit Account

3. At least one Posting Class

4. At least on Availability Calculation Rule

5. At least one Item Class

6. Order Types

a. SO (Sales Order)

b. CM (Credit Memo)

Numbering Sequences and Segmented Keys

When a Customer is imported from Shopify into Acumatica, Bridge will specifically assign the

Shopify Customer ID as the **Customer ID in Acumatica**. To enable this, navigate in Acumatica to

Numbering Sequences:

1. Select CUSTNUM

2. Remove the numbering sequence

3. Enable Manual Numbering

Next, navigate in Acumatica to Segmented Keys:

1. Select CUSTNUM

2. Disable Auto-Numbering in the grid below

3. Maximize the length to 30 characters

While still in Segmented Keys, make the following changes:

1. Select INVENTORY

2. Maximize the length to 30 characters

MERCHANT ACCOUNTS & PAYMENT METHODS

Receiving Online Payments

Shopify has its own built-in, payment processor. It also has ready-to-use integrations with numerous well-established payment processors like PayPal, Authorize.net and Amazon Pay.

As it's likely that you'll want to track payment activity from each processor separately, it is recommended that you create separate Payment Methods in Acumatica for each gateway/processor.

> **In order to load Shopify orders into Acumatica, the payment gateway must be mapped to a Acumatica Payment Method under Bridge's configuration.**

For all and any Payment Methods in Acumatica that correspond to payment processors in Shopify, under Settings for Use in AR clear all of the flags:

Without doing so, Bridge will not be able to create Payment transactions for a Customer using said Payment Method.

BRIDGE FOR ACUMATICA CUSTOMIZATION PACKAGE

Download and Installation of Customization Package

On the Bridge -> Reference Data screen (it's likely the same location in Bridge from which you downloaded this manual), there's a link to download an Acumatica customization package:

Download - Bridge Synchronization - Acumatica Customization Package

Back to Diagnostics ↺   Refresh Reference Data ⚡

Download this customization package (zip file) and import it into your Acumatica instance Customization Projects.

> **The 57 KB customization package contains components that are necessary for Bridge to be able to fully transfer data between Shopify and Acumatica**

CONFIGURING TAXES IN ACUMATICA

Acumatica Requirements

Next we'll look at preparing Acumatica to leverage tax calculations.

IMPORTANT: This document is narrowly focused on the how-to's of configuring Acumatica for integration. Thus, the topic of how to strategically plan for handling tax calculations across systems is not covered in-depth here. For guidance on planning and implementing taxes, we strongly advise you to reach out our support team.

The following items be configured appropriately in your Acumatica instance:

- The target Company in Acumatica must have a valid street address
- GL Accounts
    - Payables Account (TAXESPAY) for tax liability
    - Expense Account (EXTAX) for tax expenses
- License -> Enable/Disable Features
    - Third Party Integrations
        - Enable External Tax Calculation Integration

Logic Automated Tax Provider

In Acumatica create a new Tax Provider:

- Provider ID: **STUBTAX**
- Description: **Stubbed Tax Reporter**
- Plug-in Type: **Monster.TaxProvider.StubTaxProvider**
- Company Code Mapping tab
  - Company Code: **MYCOMPANY** *(your company ID goes here)*

This Tax Provider acts as a placeholder until you specify another Tax Provider for tax reporting.

In Acumatica create a new Tax Provider:

- Provider ID: **LOGICAUTAX**
- Description: **External Tax Provider**
- Plug-in Type: **Monster.TaxProvider.LogicAutomatedTaxProvider**
- Plug-in Parameters tab
  - EXTERNALTAXID: **EXTERNAL**
  - EXTTAXREPORTER: **STUBTAX**
- Company Code Mapping tab
  - Company Code: **MYCOMPANY** *(your company ID goes here)*

This Tax Provider facilitates the transfer of tax data from Shopify into Acumatica.

Taxes Setup

In Acumatica, under Tax Categories, create a Tax Category:

- Tax Category ID: **TAXABLE**
- Description: **Taxable**

Next you'll create a Tax Reporting Agency (Vendor) that, again, acts as a placeholder. In Acumatica Vendors, create a new Vendor:

- Vendor Name: **Stub External Tax Reporter**
- General Info: **Vendor is Tax Agency**
- Under GL Accounts tab, ensure you've set the Tax Expense Account
- Under Tax Agency Settings, ensure you've set the Tax Payables Account

Now, create a new Tax Zone:

- ID: **EXTERNAL**

- Description: **Taxes for Shopify Orders**
- External Tax Provider: **Checked (Yes)**
- Provider ID: **Monster.LogicAutomatedTaxProvider**
- Tax Agency ID: **(use the Stub External Tax Reporter here)**

This EXTERNAL Tax Zone will be assigned to all transactions that flow from Shopify into Acumatica via Bridge.

Finally, under Taxes (Profiles) create the following Tax:

- ID: **EXTLINEITEMS**

- Description: **External Taxes for Line Items**

- Categories: **TAXABLE, EXEMPT**

- Zones: **EXTERNAL**

- GL Accounts:

  - Tax Payable Account: **250000 (fill in your Tax Payables Account here)**

And for freight create this Tax:

- ID: **EXTFREIGHT**

- Description: **External Taxes for Freight**

- Categories: **TAXABLE, EXEMPT**

- Zones: **EXTERNAL**

- GL Accounts:

  - Tax Payable Account: **250000 (fill in your Tax Payables Account here)**

Conclusion

The only remaining step is to enable Financial Periods in the Master Calendar -- which is a function of normal accounting operations. Your Acumatica instance is now prepared to connect with your Shopify store's data.