

Lightning B2B Commerce Store Mapper

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Download link: <https://drive.google.com/open?id=1geQ3zjooVWU-DiiG6fqdZ1iYTta4MjL3>

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1. Version History

Version	Description
May 5th 2020	<ul style="list-style-type: none">• Support for payment gateways• Integration classes prefix can now be configured on the login screen.
April 28th 2020	<ul style="list-style-type: none">• Full support for orgs that have more than 2000 Apex classes.
April 27th 2020	<ul style="list-style-type: none">• Partial fix for orgs that have more than 2000 Apex classes.
April 24th 2020	<ul style="list-style-type: none">• Only load data when needed (as opposed to loading everything after logging in).• Display progress when searching for integration classes.• Allow filtering on class prefix when scanning for integration classes (see "How To Configure" chapter).
April 20th 2020	<ul style="list-style-type: none">• Initial Release

2. Description

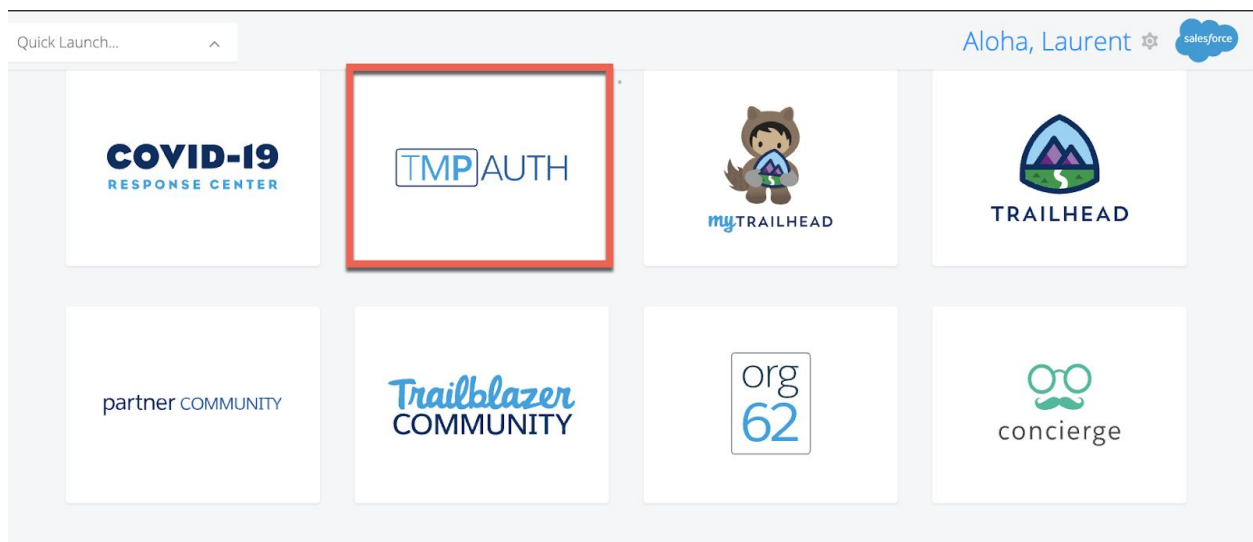
This Mac tool ("Store Mapper") creates the required mappings for the Lightning B2B Commerce default checkout flow, thus automating the manual steps described in the [Checkout Flow Integration Guide](#).

The Store Mapper assumes that the Apex integration classes **already** exist in your org. Some sample classes are available in the following [github repository](#):

- [B2B Pricing sample implementation](#)
- [B2B Shipping sample implementation](#)
- [B2B Tax sample implementation](#)
- [B2B Inventory Check sample implementation](#)

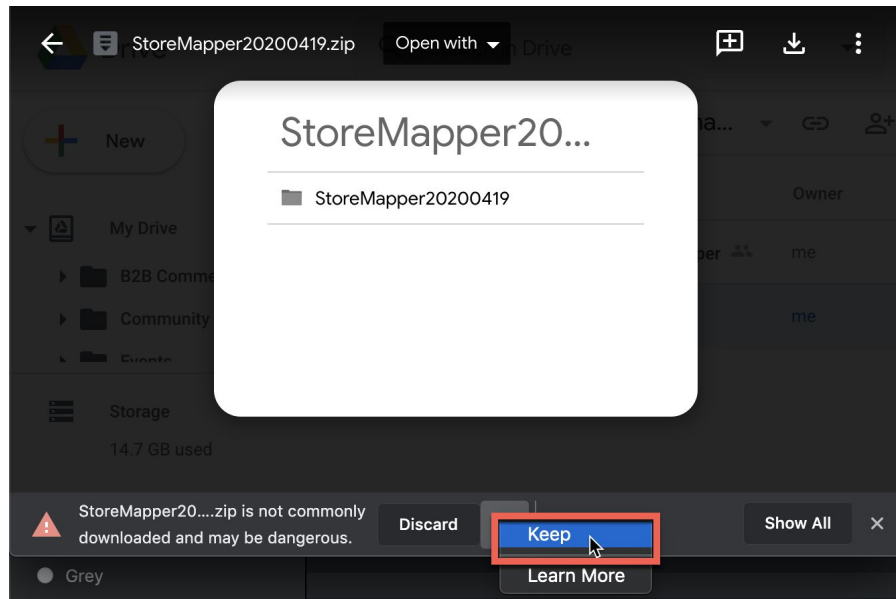
The Store Mapper can also be used to map a payment gateway, although this step is optional since the default checkout flow will default (no pun intended) to using a purchase order for the payment method if no payment gateway is available. Follow [these instructions](#) to create a fake payment gateway.

Note that you will first need to click on the TMP AUTH tile in Aloha before you can access some of the links above:

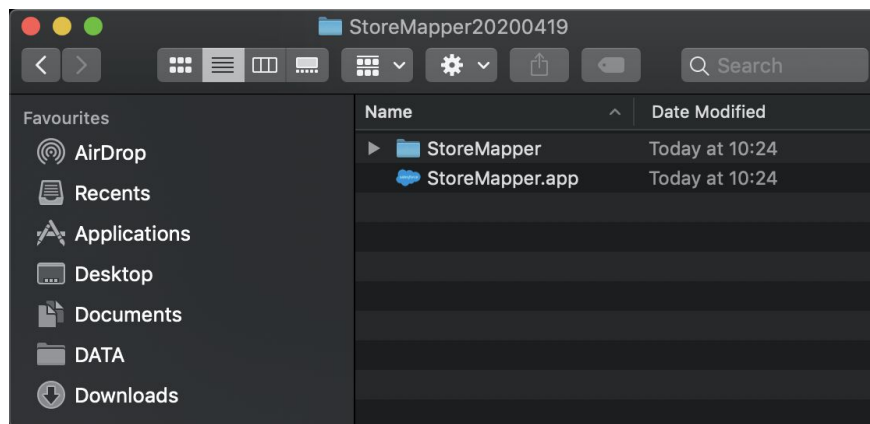


3. Installation

Download the latest zip file from [this link](#). In case GDrive displays a warning message, click the "Keep" option, as shown here:

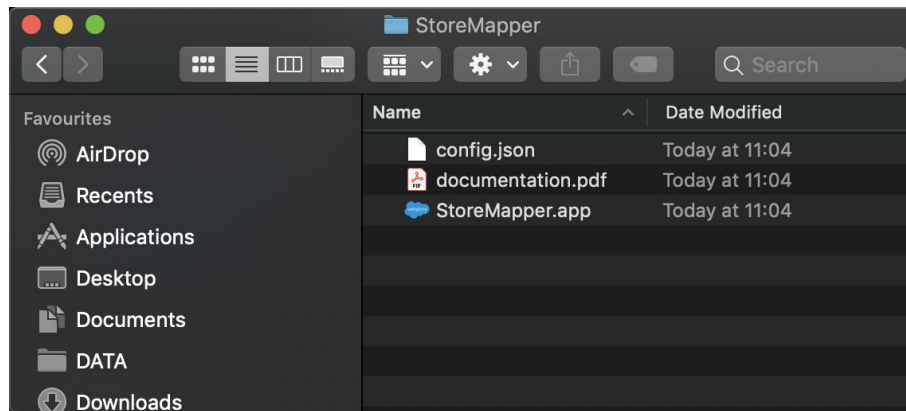


Double click the .zip file in Finder to unzip it, then go to the unzipped folder:

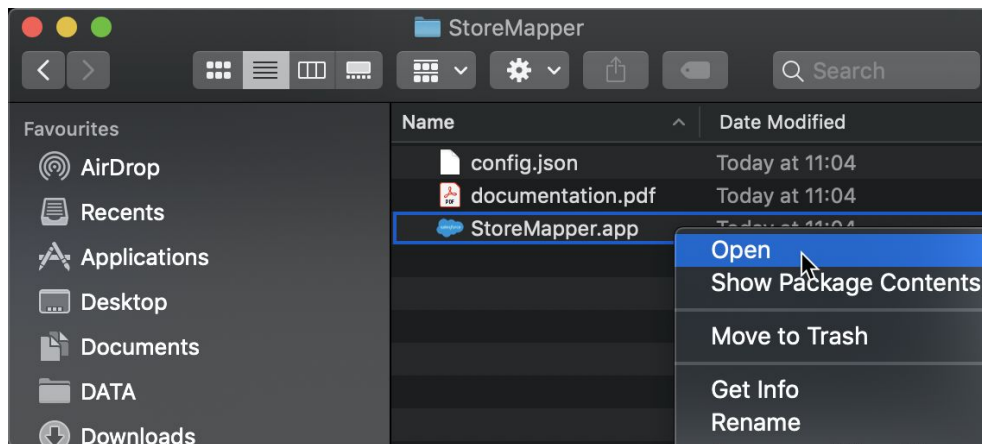


Now **drag and drop** the "StoreMapper.app" file to the "StoreMapper" folder. In case you're wondering why this is needed, [check this](#) (Net-Net: "If you move the app, using Finder, from the app's original unarchived location to another folder then App Translocation does not occur.")

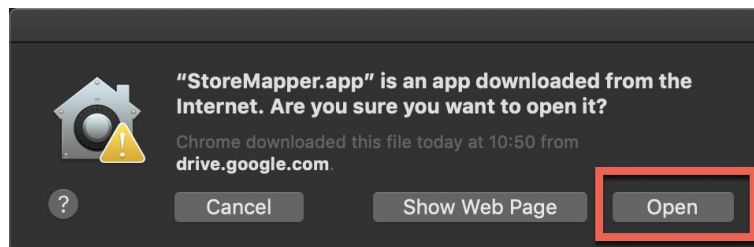
Once you've moved the file, open the "StoreMapper" folder and you should see this:



Right click on the "StoreMapper.app" file and choose "Open":



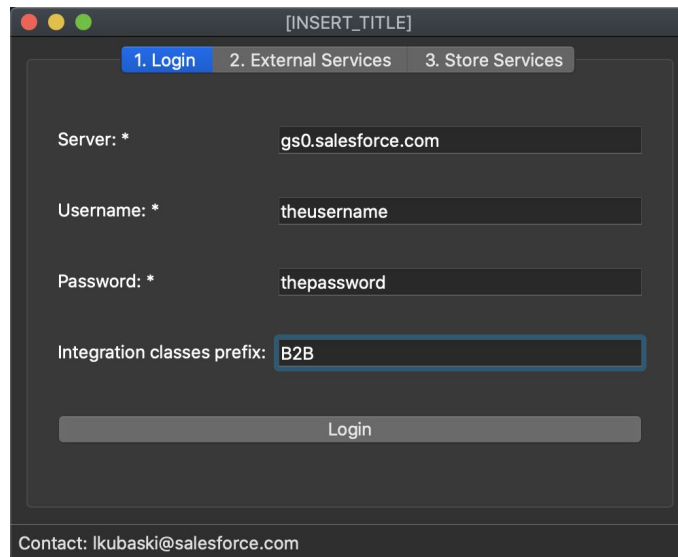
On the dialog that appears, click Open:



Now double click on the "StoreMapper.app" file again to launch it.

4. How To Use

4.1. Login tab



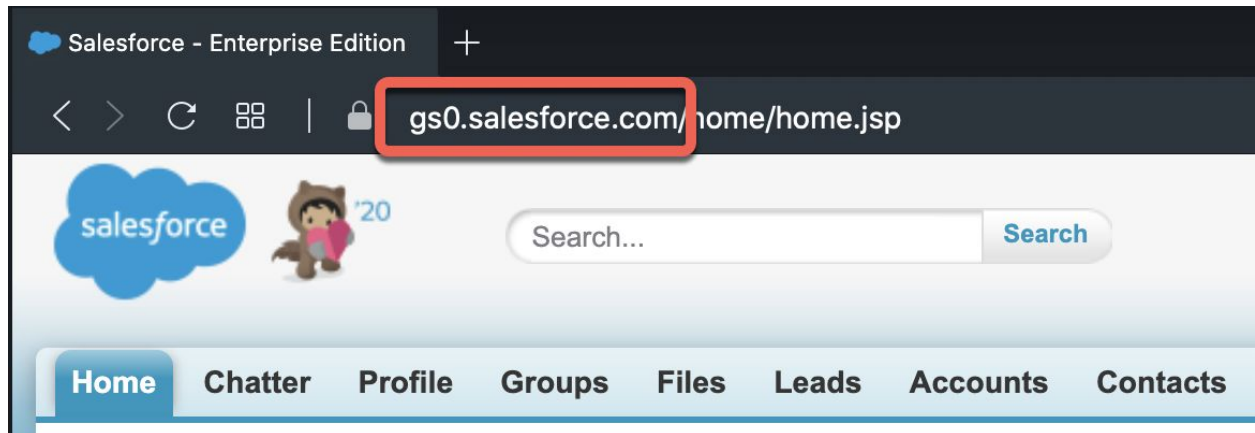
The screenshot shows a window titled "[INSERT_TITLE]" with three tabs: "1. Login" (selected), "2. External Services", and "3. Store Services". The "1. Login" tab contains the following fields:

- Server: *
- Username: *
- Password: *
- Integration classes prefix:


Below these fields is a "Login" button. At the bottom of the window, it says "Contact: lkubaski@salesforce.com".

The login tab

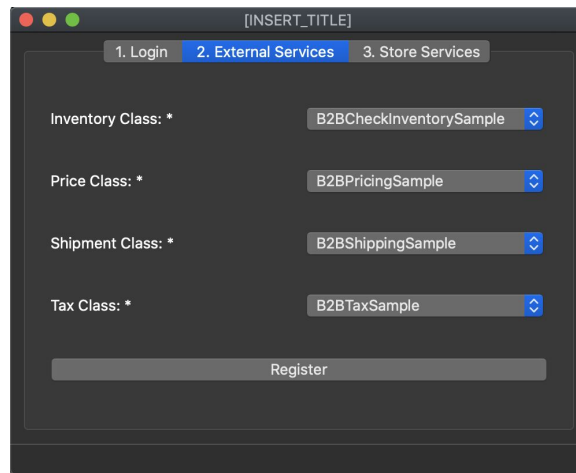
Field	Description
Server	The server name. The screenshot below shows how to retrieve it: note that the server name should not be prefixed with https://.
Username	The admin username.
Password	The admin password.
Integration classes prefix	<p>This field is optional, but it can come in handy if your org has hundreds of Apex classes, which will take a long time to load. So if your B2B integration class names all share the same prefix, enter it in this field.</p> <ul style="list-style-type: none">For example, if you're using the reference implementation classes (see links in the "Description" chapter), you'll notice that they're all prefixed with "B2B":<ul style="list-style-type: none">B2BCheckInventorySampleB2BPricingSampleB2BShippingSampleB2BTaxSample



How to retrieve the server name using Classic
(do NOT do this in Lightning Experience)

 NOTE	<p>If you're trying to login while not connected to the Salesforce VPN, you may get an error message related to a missing security token. When this happens, you have 2 options:</p> <ol style="list-style-type: none">1. Register your IP as a trusted IP, as explained in this article. To know your IP, you can use an online service like whatismyipaddress.2. Append a security token at the end of your password: generating a security token is explained in this article. For example, if your password is normally "test1234" and if your security token is "TX11TbJheEUffk8s5yERZhD6G", then enter "test1234TX11TbJheEUffk8s5yERZhD6G" in the password field.
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4.2. External Services tab

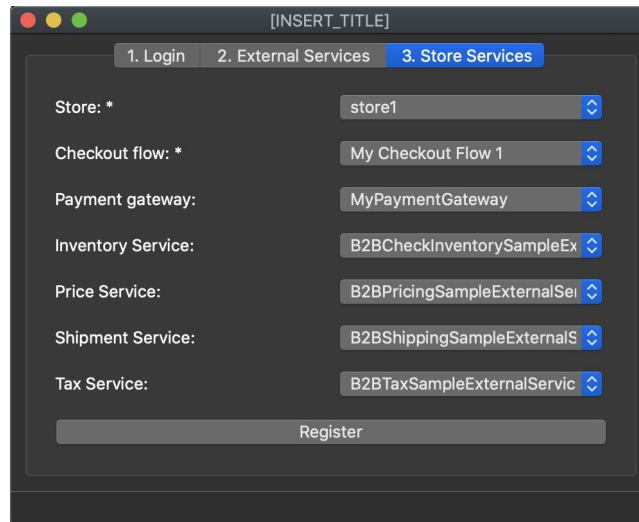


The External Services tab

This tab displays the Apex integration classes that have been detected in your org. The "Description" chapter of this document explains how to create those in case you have not done this already.

Field	Description
Inventory Class	Select an Apex class that will do an inventory check. <ul style="list-style-type: none">The tool lists all the Apex classes that implement the <code>sfdc_checkout.CartInventoryValidation</code> interface.
Price Class	Select an Apex class that will do a price check. <ul style="list-style-type: none">The tool lists all the Apex classes that implement the <code>sfdc_checkout.CartPriceCalculations</code> interface.
Shipment Class	Select an Apex class that will calculate the shipping charges. <ul style="list-style-type: none">The tool lists all the Apex classes that implement the <code>sfdc_checkout.CartShippingCharges</code> interface.
Tax Class	Select an Apex class that will calculate the taxes. <ul style="list-style-type: none">The tool lists all the Apex classes that implement the <code>sfdc_checkout.CartTaxCalculations</code> interface.
Register	Click this button to register the selected Apex classes. <ul style="list-style-type: none">Technically speaking, this means creating 4 <code>RegisteredExternalService</code> records.Clicking this button will first delete all the existing <code>RegisteredExternalService</code> records and all the existing <code>StoreIntegratedService</code> records in your org across all stores.

4.3. Store Services tab



The screenshot shows a configuration window titled "[INSERT_TITLE]" with three tabs: "1. Login", "2. External Services", and "3. Store Services". The "3. Store Services" tab is active. It contains several dropdown menus for configuration:

- Store: * (selected: store1)
- Checkout flow: * (selected: My Checkout Flow 1)
- Payment gateway: (selected: MyPaymentGateway)
- Inventory Service: (selected: B2BCheckInventorySampleEx)
- Price Service: (selected: B2B PricingSampleExternalSe)
- Shipment Service: (selected: B2BShippingSampleExternalS)
- Tax Service: (selected: B2BTaxSampleExternalService)

At the bottom of the form is a "Register" button.

The Store Services tab

This tab allows you to associated a store with:

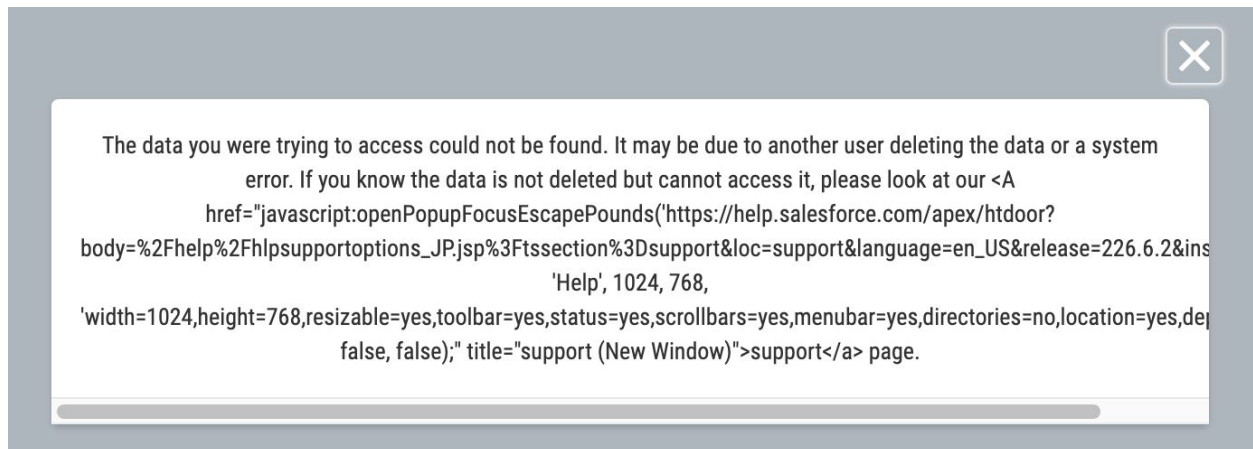
- a checkout flow.
- a payment gateway.
- the external services created in the previous tab.

Field	Description
Store	Select a store.
Checkout flow	Select a checkout flow. <ul style="list-style-type: none">• If the list is empty, it means that you don't have any active checkout flow in your org. Start by cloning the Checkout Flow template, as described in the B2B Commerce implementation guide.
Payment gateway	Select a payment gateway.
Inventory Service	Select an inventory service. <ul style="list-style-type: none">• The inventory service was created in the previous tab.
Price Service	Select a price service. <ul style="list-style-type: none">• The price service was created in the previous tab.
Shipment Service	Select a shipment service. <ul style="list-style-type: none">• The shipment service was created in the previous tab.
Tax Service	Select a tax service.

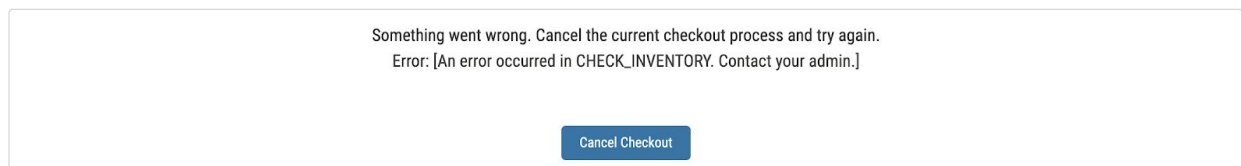
	<ul style="list-style-type: none">• The tax service was created in the previous tab.
Register	<p>Click this button to register the store services.</p> <ul style="list-style-type: none">• Technically speaking, this means creating 6 <code>StoreIntegratedService</code> records for the selected store.• Clicking the "Register" button will first delete all the existing <code>StoreIntegratedService</code> records in your org for the selected store.

5. Troubleshooting Guide

In case mappings have not been defined for a store, one of these two error message will be displayed when starting the checkout flow:



First possible checkout error message



Second possible checkout error message

- The first error message can be displayed in case your store has not been associated with a checkout flow.
- The second error message can be displayed in case your store has not been associated with a pricing/shipping/tax/inventory service.

The second error message will display which step of the checkout flow failed and should allow you to identify which service has not been mapped. In case you need more information, create this Apex trigger in your org:

```
trigger PlatformEventPostTrigger on PlatformStatusAlertEvent (after insert) {
    Id profileId = [select Id from User where User.Profile.Name = 'System Administrator'
                    limit 1].Id;
    for(PlatformStatusAlertEvent e : trigger.new) {
        Feeditem Post = New Feeditem();
        Post.ParentId= profileId;
    }
}
```

```

    Post.Body = 'Admin error occurred in ' + e.ServiceName + '\n' +
        'Subject: ' + e.Subject + '\n' +
        'Integration: ' + e.ComponentName + '\n' +
        'Apex Class name: ' + e.SubComponentName + '\n' +
        'Background Operation Id: ' + e.ServiceJobId + '\n';
    insert Post;
}
}

```

Then execute the checkout flow again: the org admin will receive a Chatter notification which will explain in more details which mapping is missing (note that the sample code below assumes that your org only contains a single sysadmin user so you may want to modify it in case this is not the case).

