



**Lionbridge Cartridge for Salesforce
Commerce Cloud**

**Installation and Configuration
Guide**

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1 Welcome to the Lionbridge Cartridge for Salesforce Commerce Cloud

Welcome to the Lionbridge Cartridge for Salesforce Commerce Cloud (Cartridge). This is C Lay tablet's connector between Salesforce Commerce Cloud and the C Lay tablet Platform. It enables you to manage the translation of products, catalogs, categories, and static Web content in your Salesforce Commerce Cloud sites.

1.1 Terminology

Amazon AWS	Amazon Web Services. A suite of web application products developed and sold by Amazon.com. C Lay tablet uses various AWS offerings in order to leverage their infrastructure and build rich, dynamic solutions for its customers, specifically, the C Lay tablet Platform. For details, see http://aws.amazon.com .
Amazon S3	Amazon Simple Storage Service. For details, see: http://aws.amazon.com/s3/ . The Cartridge and the C Lay tablet Platform use Amazon S3 to provide temporary storage services for the content sent to and from translation.
Amazon SQS	Amazon Simple Queue Service. For details, see: http://aws.amazon.com/sqs/ . The Cartridge uses Amazon SQS to provide Message Queue Services.
Asset	Any content or document being sent for translation, including metadata. Assets are created by the Cartridge.
CLay tablet (CTT)	CLay tablet Technologies, the corporate entity that publishes the Lionbridge Cartridge and the C Lay tablet Platform.
CLay tablet Platform	The hosted (IaaS) connectivity platform that receives and routes content from content systems, including content management systems (CMSs), to translation providers and back during implementation. The Lionbridge Connector Team configures the Platform based on the number and nature of systems involved in your system architecture.
Freeway	The name of the Lionbridge translation portal for submitting content to and retrieving content from the Lionbridge translation provider.
FTP Server	File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one host to another host over a TCP-based network, such as the Internet. Translation providers may receive and send files for translation using an FTP server.

IaaS	Infrastructure as a Service. The CLay tablet Platform is an IaaS, because it is a hosted platform.
Keys	The Cartridge uses keys to establish a secure, discrete connection between the Cartridge instance and the Platform. Very important: Do not copy the CMS address keys to multiple Salesforce Commerce Cloud instances, because this is a violation of the CLay tablet License Agreement. Using the same CMS address keys on multiple Salesforce Commerce Cloud instances will cause the Cartridge to behave unexpectedly, which can result in lost translation content, orphaned projects, and inaccurate translation status reports. CLay tablet will support technical issues caused by duplicating or incorrectly installing CMS address keys only on a time and materials basis.
Lionbridge	The publisher of the Freeway translation portal and a translation provider. Users connect to the Freeway translation portal to submit content to and retrieve content from the Lionbridge translation provider.
Lionbridge Cartridge for Salesforce Commerce Cloud (Cartridge)	The cartridge software that CLay tablet Technologies has developed and provides, which plugs into your Salesforce Commerce Cloud installation to provide connectivity to our hosted Platform. In this document it is referred to as the Cartridge. This is the software you are installing and configuring as you work through this document.
MT	Machine translation. The translation provider can be a machine translation service, such as Google Translate.
Producer	CMS or another system that sends content or documents out for translation. In this case, this is your Salesforce Commerce Cloud.
Provider	A provider of translation services. The delivery of assets to the provider may be via an FTP server or a TMS connector.
Support Asset	Supporting documents and their metadata. Support assets are not translated by the translation provider, but they provide helpful context for the translator.
TMS	Translation management system that the translation provider uses.

1.2 About the CLay tablet Platform

The CLay tablet translation-connectivity platform is the easiest, most flexible way to integrate content systems, including content management systems (CMSs) and other content producers, with translation providers and translation technologies.

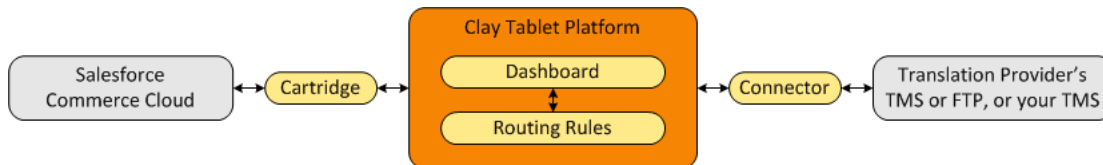
CLay tablet Platform is the hosted (IaaS) connectivity platform that receives and routes content from content management systems to translation providers and back, including to Lionbridge via Freeway or onDemand. It is hosted on Amazon Web Services (AWS). During implementation, the Lionbridge Connector Team configures the Platform for your translation solution, based on the translation providers or systems you use. The CLay tablet Platform uses the following services on AWS:

- S3 (Amazon Simple Storage Service), which provides storage services for the content sent to and from translation.
- SQS (Amazon Simple Queue Service), which provides message queue services.

1.3 How the Cartridge Works with Salesforce Commerce Cloud

The Lionbridge Cartridge (Cartridge) is an important part of the CLay tablet translation solution.

The Cartridge is installed on your system as an add-in to Salesforce Commerce Cloud. Its functionality is displayed to the users as part of Salesforce Commerce Cloud.



Your translation systems architecture might look like the configuration above. It may have additional content systems or translation providers, but the core concepts remain the same.

During implementation, Lionbridge Connector Support works with you and your translation providers to configure and test the other elements of your translation solution, which are the CLay tablet Platform's connections to your translation providers' systems.

1.4 Using this Guide

Purpose of this guide

This guide describes everything you need to know to install and configure the Lionbridge Cartridge (Cartridge) for Salesforce Commerce Cloud. It describes the delivery package contents, system requirements, installation instructions, and configuration procedures.

Recommendation: Review the user guide to fully understand the powerful features of the Cartridge.

Who should use this guide

This guide is intended for Salesforce Commerce Cloud administrators and system integrators.

What you should already know

This document assumes that your company already has an installed instance of Salesforce Commerce Cloud. It assumes that you have a strong working knowledge of Salesforce Commerce Cloud and its features.

How to find out more about the Lionbridge Cartridge for Salesforce Commerce Cloud

For information on using the Lionbridge Cartridge to send and receive content for translation from Salesforce Commerce Cloud, read the *Lionbridge Cartridge for Salesforce Commerce Cloud User Guide*.

Documentation conventions

This guide uses the following conventions:

Convention	Description
Bold	Highlights screen elements such as buttons, menu items, and fields.
<code>Courier</code>	Highlights input, file names, and paths.
<i>Italics</i>	Highlights terms for emphasis, variables, or document titles.
>	Indicates a menu choice. For example, "Select Admin Tools > Configuration ."

1.5 How to Contact Lionbridge Connector Support

Email @: connectors@lionbridge.com

You can submit a support ticket either:

- by email
- from the Lionbridge Connector Zendesk page, using your web browser:
<https://connectors.zendesk.com/>

1.5.1 Submitting a Support Ticket

1. Do one of the following:

- Email connectors@lionbridge.com, and cc (carbon copy) anyone to include in the ticket correspondence.

Important: Include the information and attachments in your email that are listed in the sub-sections below.

- Create a ticket in Zendesk:

- Open the Lionbridge Connector Zendesk page in your browser: <https://connectors.zendesk.com>.
- Sign in to Zendesk.

Note: If you do not have sign-in credentials yet, then click either **Sign up** or **Get a password**, and follow the onscreen instructions.

Important: Include the information and attachments that are listed in the sub-sections below.

- Click **Submit a request**.
- In the **CCs** field, add anyone to include in the ticket correspondence.

Zendesk automatically creates a ticket and responds to everyone included in the cc field.

2. Everyone in the original cc receives updates unless they request to be removed from the ticket.

Important: Check your email spam folder (especially first-time Zendesk users) as sometimes email notifications from Zendesk are marked as spam.

When the issue is resolved, Lionbridge closes the ticket.

1.5.2 Information to Include in a Support Ticket

- client name
- CMS or content system name and version
- Connector or App version installed
- name of job for which the issue occurs
- date of job submission
- detailed description of the issue
- any error text—copy and paste, if applicable

Files to attach to the support ticket:

- CMS log files for the date the issue occurred
- Connector or App log files for the date the issue occurred
- screen capture of the issue

1.5.3 Viewing and Updating Your Support Ticket in Zendesk

Important: You must log into Zendesk to view your support tickets there.

1. Open the Lionbridge Connector Zendesk page in your browser: <https://connectors.zendesk.com>.
2. Enter your credentials, and click **Sign in**.

Sign in to Lionbridge Connectors

Email

Password

Stay signed in

Sign in

Your credentials will be sent over a secure connection

Cancel

Forgot my password

New to Lionbridge Connectors? [Sign up](#)

Have you emailed us? [Get a password](#)

If you've communicated with our support staff through email previously, you're already registered. You probably don't have a password yet, though.

Note: If you do not have sign-in credentials yet, then click either **Sign up** or **Get a password**, and follow the onscreen instructions.

3. After signing in, click **My activities** to view the tickets you opened or where you are cc'd.
4. To update tickets, you can reply or attach files.

For more information, refer to "Submitting and tracking support requests" in Zendesk's *Help Center guide for end-users*, at: <https://support.zendesk.com/hc/en-us/articles/203664386-Help-Center-guide-for-agents-and-end-users>.

Important: Zendesk refers to a *support ticket* as a *support request*. These terms are interchangeable.

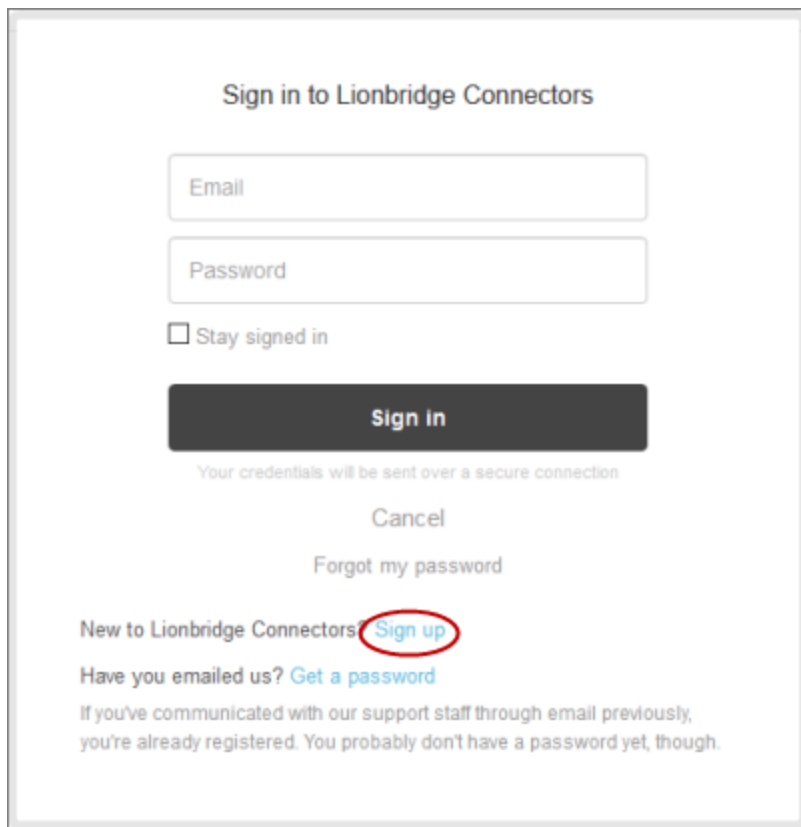
1.5.4 Signing Up for a Zendesk Account for Lionbridge Connectors

You can create a new Zendesk account for Lionbridge Connectors.

Note: If you have previously emailed Lionbridge Connectors Support at connectors@lionbridge.com to create a support ticket, you can get a password for your email account. For detailed instructions, see "How to Get a Password if You Have Previously Emailed Lionbridge Connectors."

To sign up for a Zendesk account:

1. Open the Lionbridge Connector Zendesk page in your browser: <https://connectors.zendesk.com>.
2. Click **Sign up** link.



Sign in to Lionbridge Connectors

Email

Password

Stay signed in

Sign in

Your credentials will be sent over a secure connection

Cancel

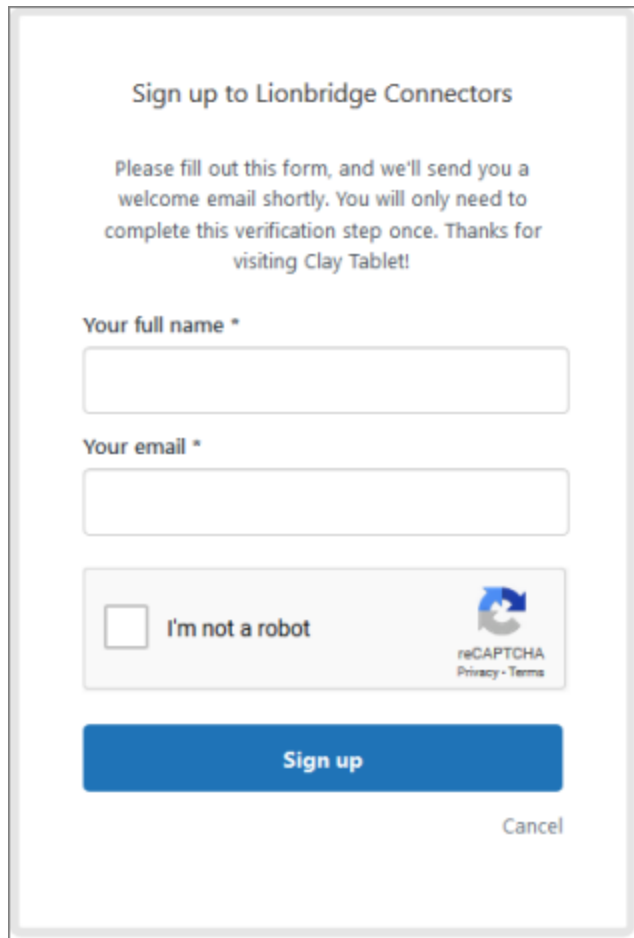
Forgot my password

New to Lionbridge Connectors? **Sign up**

Have you emailed us? [Get a password](#)

If you've communicated with our support staff through email previously, you're already registered. You probably don't have a password yet, though.

The **Sign up** page opens.



The screenshot shows a sign-up form titled "Sign up to Lionbridge Connectors". The form includes a welcome message, two input fields for "Your full name *" and "Your email *", a reCAPTCHA "I'm not a robot" checkbox, a blue "Sign up" button, and a "Cancel" link.

3. Enter your name and email address, and select the **I'm not a robot** check box.
4. Click **Sign up**.

The **Sign-up complete** page opens. You will receive a verification email shortly with a verification link that enables you to sign in. If you do not receive an email within a few minutes, please check your junk or spam folder.

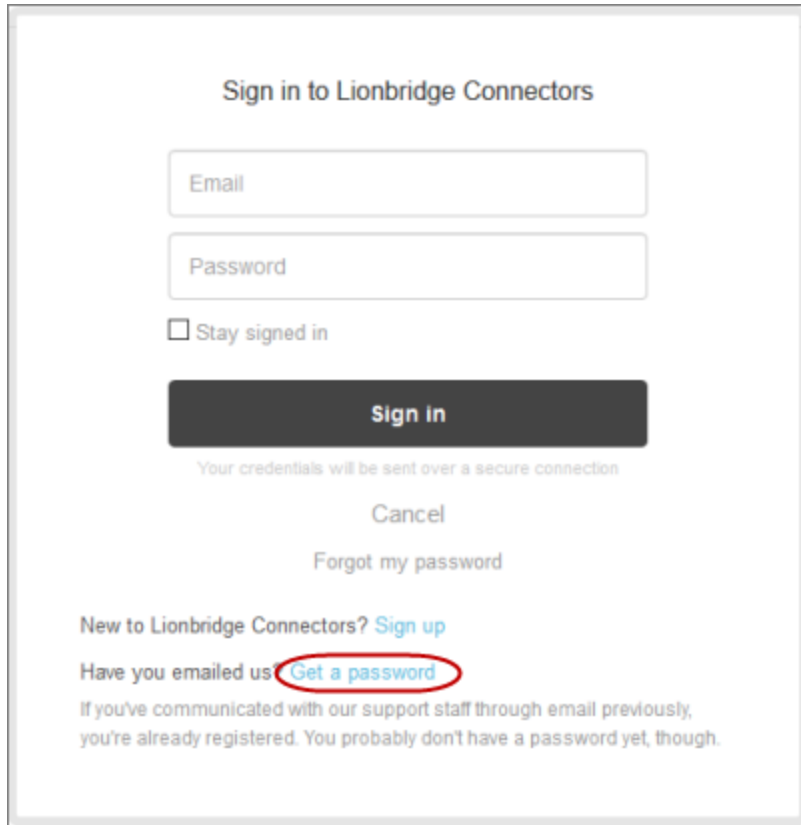
5. Click the link in the verification email to create a password and sign into Zendesk.

1.5.5 Getting a Zendesk Password if You Previously Emailed Lionbridge Connectors

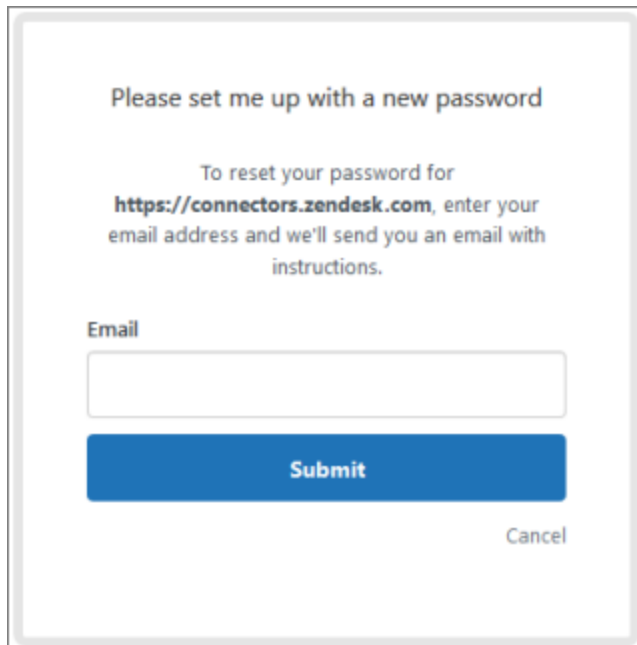
If you have previously emailed Lionbridge Connectors Support at connectors@lionbridge.com to create a support ticket, you can get a password for your email account.

To get a password:

1. Open the Lionbridge Connector Zendesk page in your browser: <https://connectors.zendesk.com>.
2. Click the **Get a password** link.



The **Please set me up with a new password** page opens.



Please set me up with a new password

To reset your password for <https://connectors.zendesk.com>, enter your email address and we'll send you an email with instructions.

Email

Submit

Cancel

3. Enter the email address from which you emailed Lionbridge Connectors Support (connectors@lionbridge.com).

4. Click **Submit**.

Zendesk sends you an email with instructions for creating your password.

5. Follow the instructions in the email from Zendesk to create your password.

You can now sign in to Zendesk to create, view and update your support tickets.

2 Before You Install

Before you begin to install the Lionbridge Cartridge (Cartridge) for Salesforce Commerce Cloud, please review the system requirements, described below, and perform the following pre-installation procedures:

- ▶ ["Setting Your System Date, Time, and Time Zone Correctly"](#) on page 15.
- ▶ Ensure that you have credentials for the CLay tablet REST API. For more information, refer to "Getting Started" in the *CLay tablet REST API Help*, at: https://developers.clay-tablet.net/Content/Topic/Files/REST_API_Help/1_Getting_Started/Getting_Started.htm.
- ▶ Ensure that at least one translation provider is associated with your account.
- ▶ Ensure that you can reference the `app`, `guard`, and `FormModel` scripts.
- ▶ If you are not using the controller-based version of the code, you must import the Sitegenesis Storefront Controller Cartridges. It is not necessary to reference the Sitegenesis Storefront Controller cartridge in the cartridge path.

2.1 System Requirements

The Lionbridge Cartridge (Cartridge) for Salesforce Commerce Cloud supports versions 15.5 and higher of Salesforce Commerce Cloud.

The Cartridge runs on the latest versions of Google Chrome, Mozilla Firefox, Apple Safari, and on Microsoft Internet Explorer versions 8 and higher.

The Lionbridge Cartridge for Salesforce Commerce Cloud has no additional hardware or software requirements beyond those of Salesforce Commerce Cloud. For details, refer to the *Salesforce Commerce Cloud Infocenter*, at <https://www.salesforce.com/products/commerce-cloud/overview/> (login required).

2.2 Setting Your System Date, Time, and Time Zone Correctly

The Lionbridge Cartridge sends content to and receives content from the CLay tablet Platform, which is hosted in the Amazon Web Services (AWS) environment. AWS requires any machines that connect to its applications to have the correct system time and date settings.

Important: Before proceeding, ensure that the system date, time, and time zone are set correctly on any systems that will run the Lionbridge Cartridge. If these settings are incorrect, the following error message is displayed: `Error. The difference between the request time and the current time is too large.`

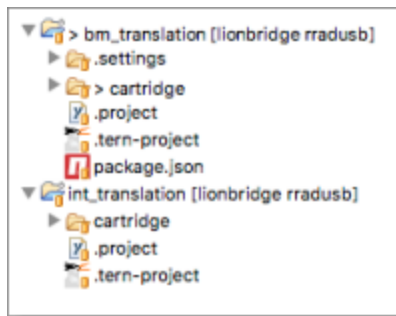
3 Installing the Lionbridge Cartridge

This section describes how to install the Cartridge installation package you downloaded earlier into your Salesforce Commerce Cloud system.

Before you install the Cartridge, verify that you have reviewed the system requirements and followed all the pre-installation procedures described in "Before You Install" on page 15.

To install the Cartridge:

1. Unzip the Cartridge installation package, which includes the `int_lionbridge` and `bm_lionbridge` cartridges.
2. In the **UX Studio** plugin, select **File > New > Cartridge** to import the `int_lionbridge` and `bm_lionbridge` cartridges. For details, refer to the *Salesforce Commerce Cloud Infocenter*, at <https://www.salesforce.com/products/commerce-cloud/overview/> (login required).



3. In each of the two cartridges you just installed, open the `Translation.js` file for editing, and replace `app_storefront_controllers` with the name of your cartridge containing the referenced scripts.
4. Activate the Storefront Cartridge. For each storefront from which you want to translate data, add `int_lionbridge` to the cartridge's path.



5. Activate the BM Cartridge. Add `bm_lionbridge` to the cartridges path of the Business Manager Site.

Instance Type: All	
Cartridges:	<input type="text" value="bm_translation"/>
Effective Cartridge Path:	app_business_manager;plugin_apple_pay;plugin_facebook;plugin_pinterest_commer

4 Configuring the Lionbridge Cartridge for Salesforce Commerce Cloud

You perform the following steps to configure your Cartridge installation:


1. "Enable the Translation Module" on page 18
2. "Importing Metadata" on page 19
3. "Importing Services" on page 21.
4. "Importing Job Schedules" on page 23.

4.1 Enable the Translation Module

You must enable the Translation module for specific roles:

1. In Salesforce Commerce Cloud, navigate to **Administration > Organization > Roles & Permissions**.

The **Roles** page opens.

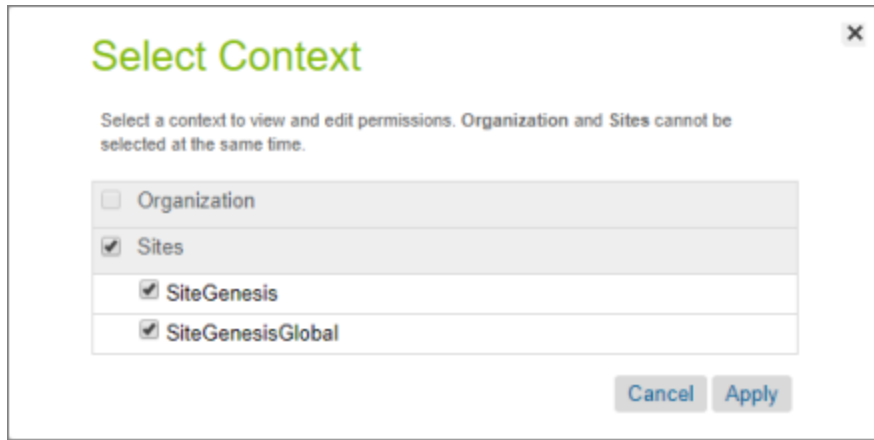
Select All	ID	Description
<input type="checkbox"/>	 Administrator	The administrator has the rights to perform tasks related to the overall administration of the merchant organization and its users and roles. This access role is not site-specific and will grant the user access to the entire organization.
<input type="checkbox"/>	merchant	

2. In the **ID** column, click the link of a role for which you want to enable the translation module.

The page for that role opens.

3. Click the **Business Manager Modules** tab.

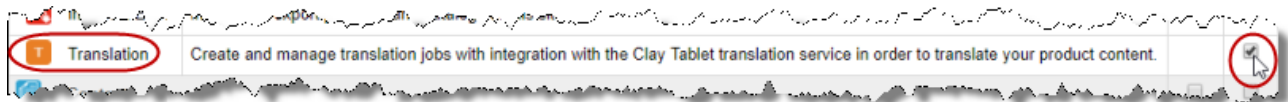
The **Select Context** dialog box opens.



4. Select your sites and click **Apply**.

The **Business Manager Modules** page opens for this user.

5. Locate the **Translation** module and enable it by selecting the corresponding check box.

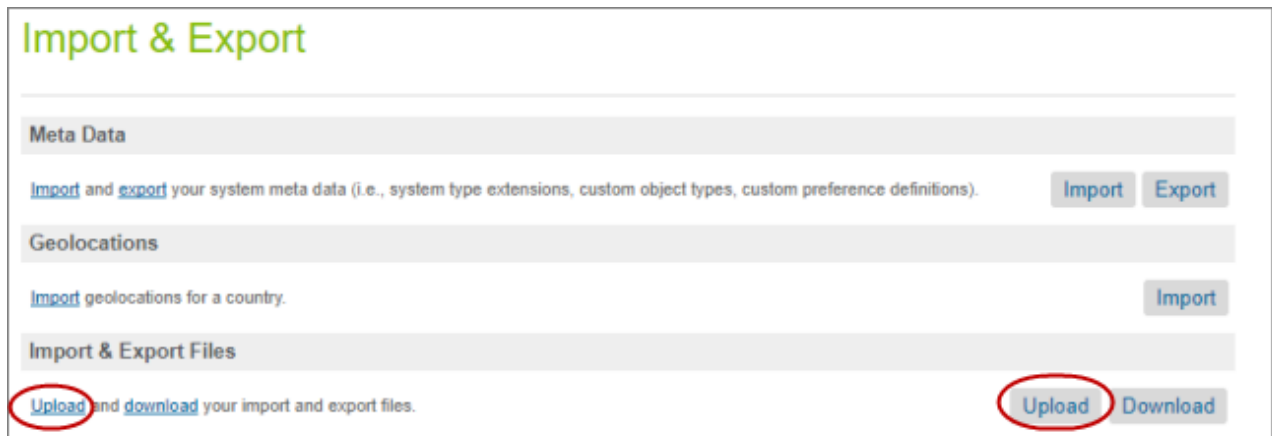


4.2 Importing Metadata

You import the system and custom object attributes for the Cartridge.

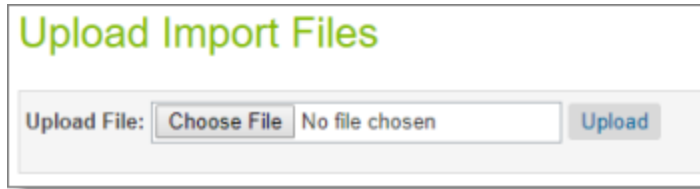
1. In Salesforce Commerce Cloud, navigate to **Administration > Site Development > Import & Export**.

The **Import & Export** page opens.



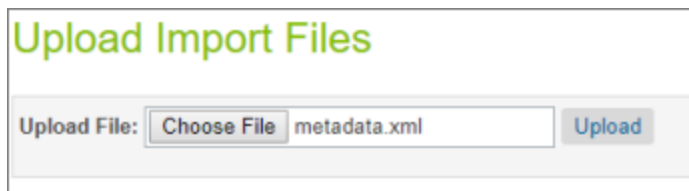
2. Click **Upload**.

The **Upload Import Files** page opens.



3. Click **Choose File** and navigate to the `metadata.xml` file in the Cartridge installation package you unzipped earlier. Select this file and click **Open** in your browser dialog box.

The **Upload Import Files** page reopens.

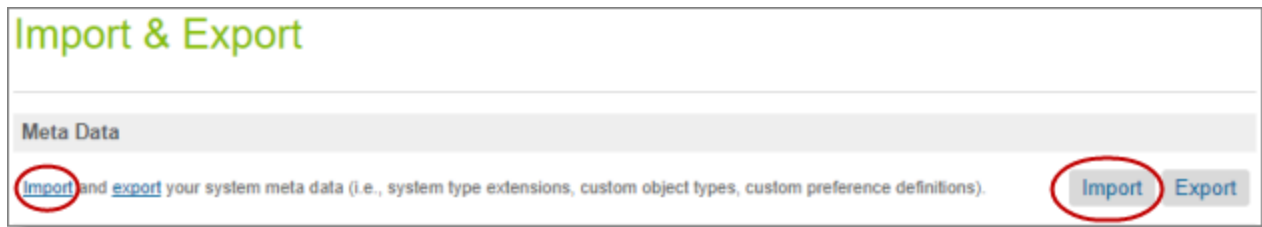


4. Click **Upload**.

The `metadata.xml` file is now displayed in the **Manage Import Files** section of this page.

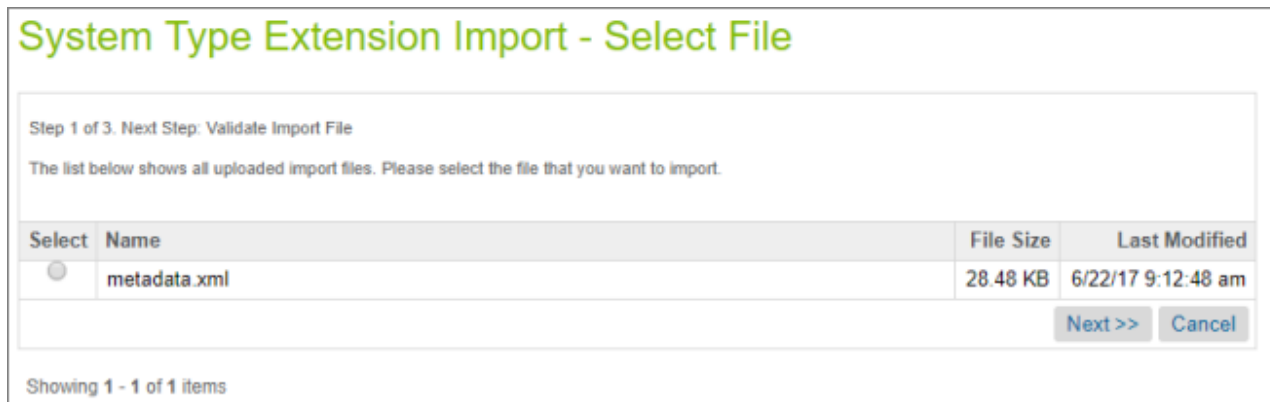


5. Click **Back** to reopen the **Import & Export** page.



6. In the **Meta Data** section, click **Import**.

The **System Type Extension Import - Select File** page opens.

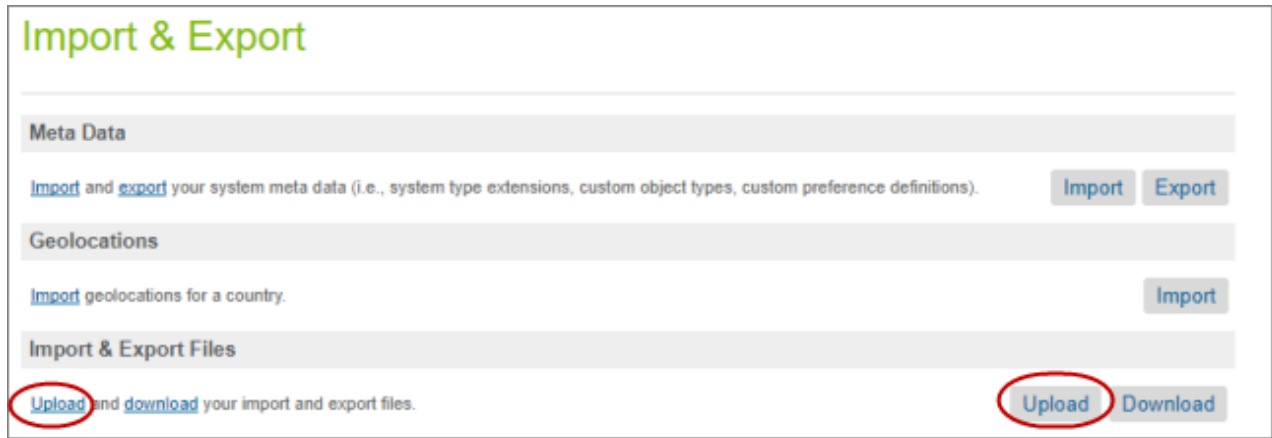


7. Select the `metadata.xml` file, and click **Next**.
8. Wait while the file is validated. After the file is validated, in the **System Type Extension Import - Select File** page, click **Import**.

4.3 Importing Services

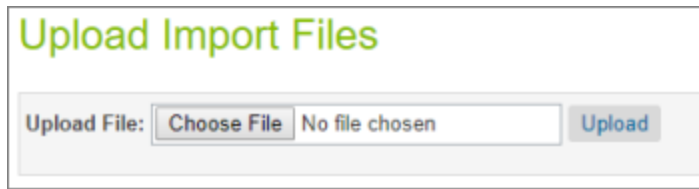
You import services to communicate with the CLay tablet APIs.

1. In Salesforce Commerce Cloud, navigate to **Administration > Operations > Import & Export**. The **Import & Export** page opens.



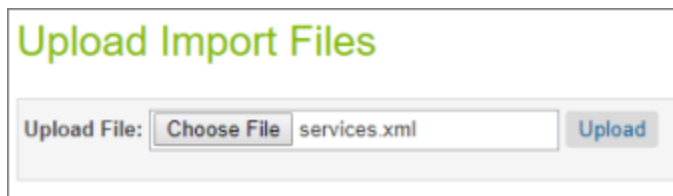
- 2. Click **Upload**.

The **Upload Import Files** page opens.



- 3. Click **Choose File** and navigate to the `services.xml` file in the Cartridge installation package you unzipped earlier. Select this file and click **Open** in your browser dialog box.

The **Upload Import Files** page reopens.



- 4. Click **Upload**.

The `services.xml` file is now displayed in the **Manage Import Files** section of this page.

- 5. Click **Back** to reopen the **Import & Export** page.

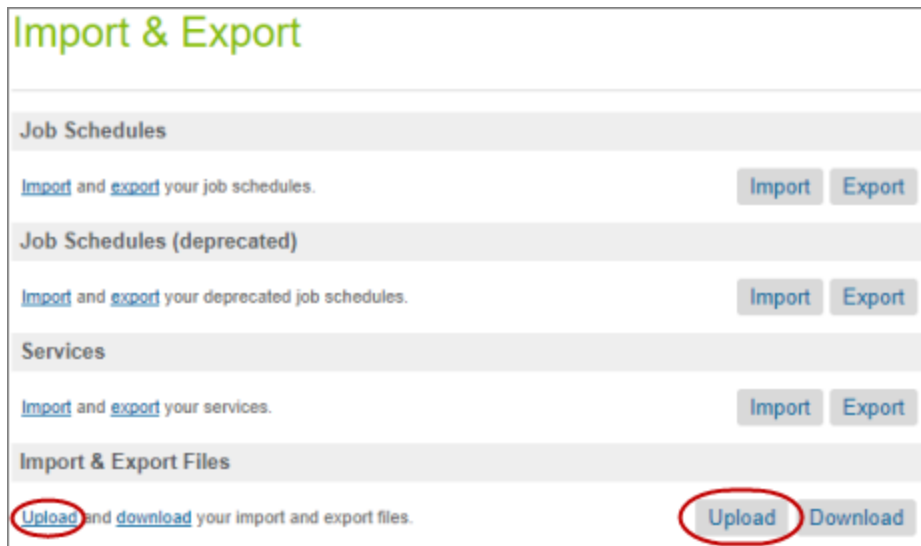


6. In the **Meta Data** section, click **Import**.
The **System Type Extension Import - Select File** page opens.
7. Select the `services.xml` file, and click **Next**.
8. Wait while the file is validated. After the file is validated, in the **System Type Extension Import - Select File** page, click **Import**.

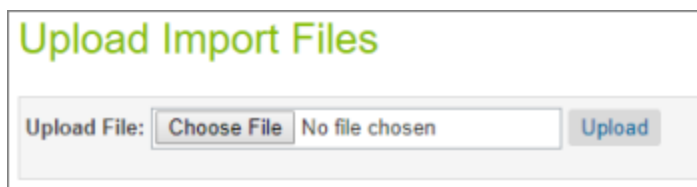
4.4 Importing Job Schedules

You import job schedules that are necessary for exporting and importing the catalog XML files.

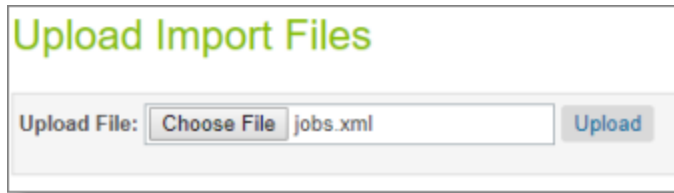
1. In Salesforce Commerce Cloud, navigate to **Administration > Operations > Import & Export**.
The **Import & Export** page opens.



2. Click **Upload**.
The **Upload Import Files** page opens.

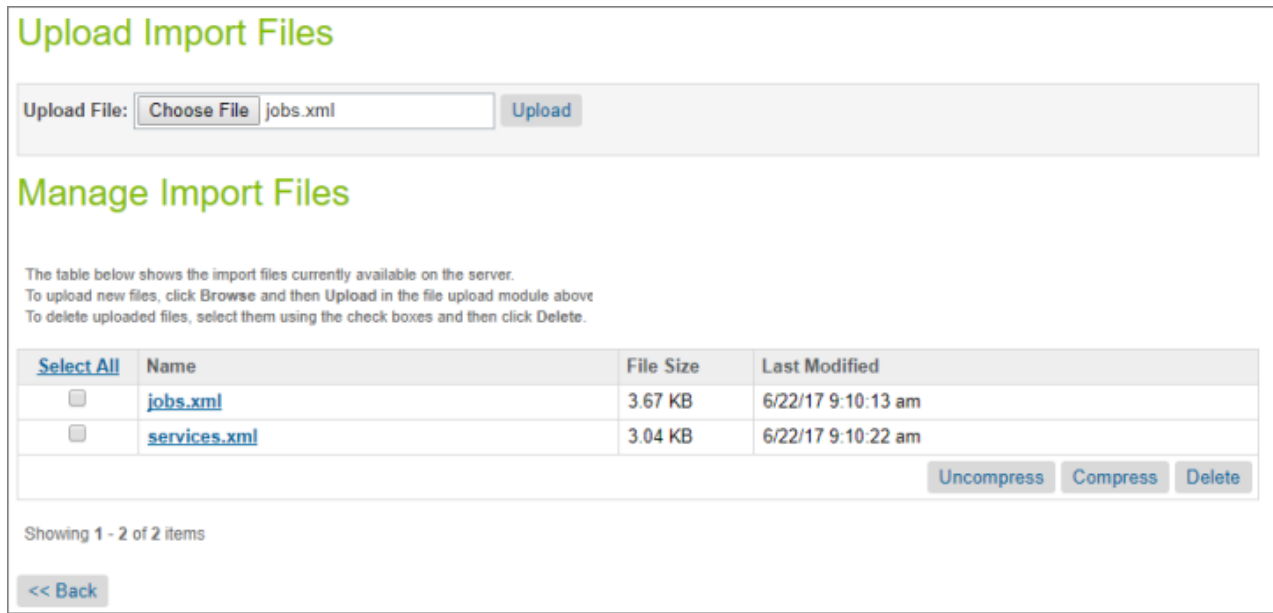


3. Click **Choose File** and navigate to the `jobs.xml` file in the Cartridge installation package you unzipped earlier. Select this file and click **Open** in your browser dialog box.
The **Upload Import Files** page reopens.



4. Click **Upload**.

The `jobs.xml` file is now displayed in the **Manage Import Files** section of this page.



5. Click **Back** to reopen the **Import & Export** page.



6. In the **Job Schedules** section, click **Import**.

The **Job Schedules Import - Select File** page opens.

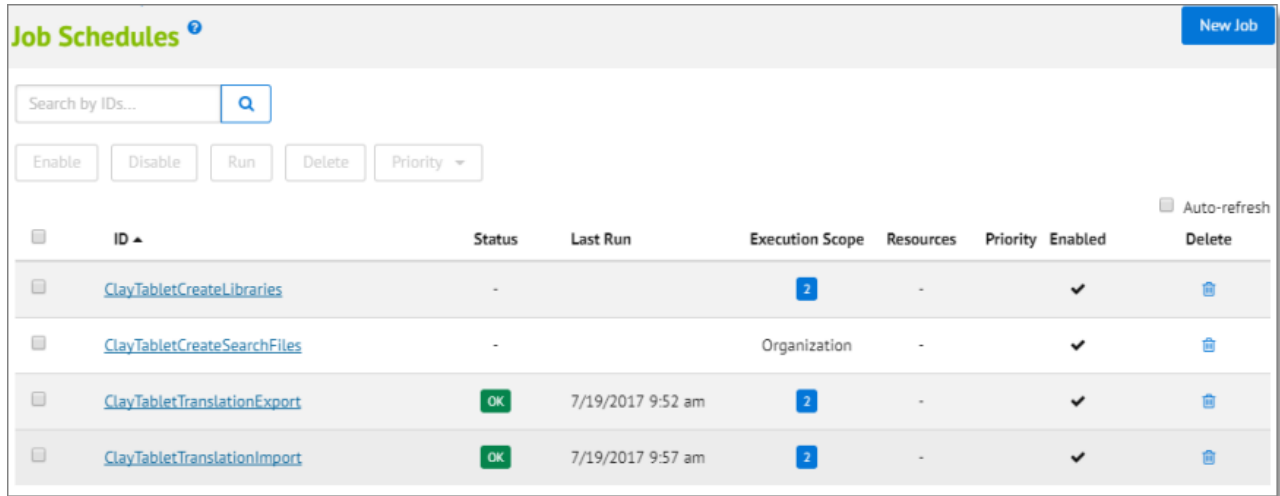
7. Select the `jobs.xml` file, and click **Next**.

8. Wait while the file is validated. After the file is validated, in the **Job Schedules Import - Select File** page, click **Next**.

9. In the **Job Schedules Import - Start Import** page, click **Import**.

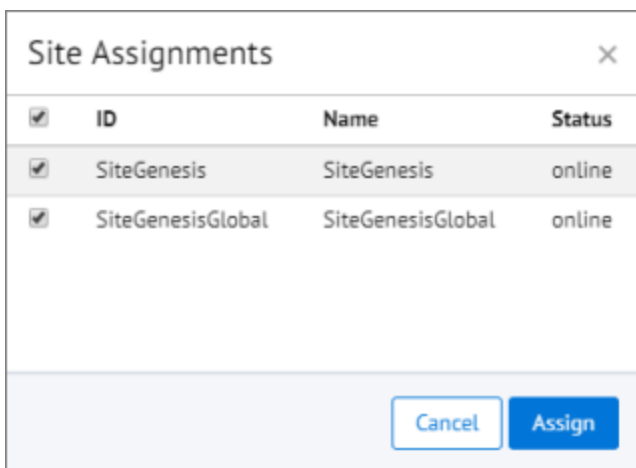
10. After importing the file, navigate to **Administration > Operations > Job Schedules**.

The **Job Schedules** page opens.



11. Click the links for the `ClayTabletCreateLibraries`, `ClayTabletTranslationExport`, and `ClayTabletTranslationImport` jobs, and change the Scope from `Organization` to `Site`. Select the same sites for which you activated the storefront cartridge in the `Activate the BM Cartridge` step in "[Installing the Lionbridge Cartridge](#)" on page 16.

- Click the **Step Configurator** tab.
- Click the **Scope** link to open the **Site Assignments** dialog box.
- Select the check boxes for the relevant sites, and click **Assign**.



For details, refer to the *Salesforce Commerce Cloud Infocenter*, at <https://www.salesforce.com/products/commerce-cloud/overview/> (login required).

Note: Do not change the Organization scope of the ClayTabletCreateSearchFiles job.

5 Configuring the Business Manager

You complete the following steps to configure the Business Manager for the Cartridge:

1. "[Setting Service Credentials](#)" on page 27.
2. "[Configuring the Storefront Credentials](#)" on page 28.
3. "[Mapping Locale Codes to CLay tablet Language Codes](#)" on page 29.
4. "[Configuring Catalogs](#)" on page 31.
5. "[Configuring Controller-Action Paths](#)" on page 32.
6. "[Configuring Retention Days](#)" on page 33.
7. "[Configuring Open Commerce API Settings](#)" on page 34.

5.1 Setting Service Credentials

To set service credentials:

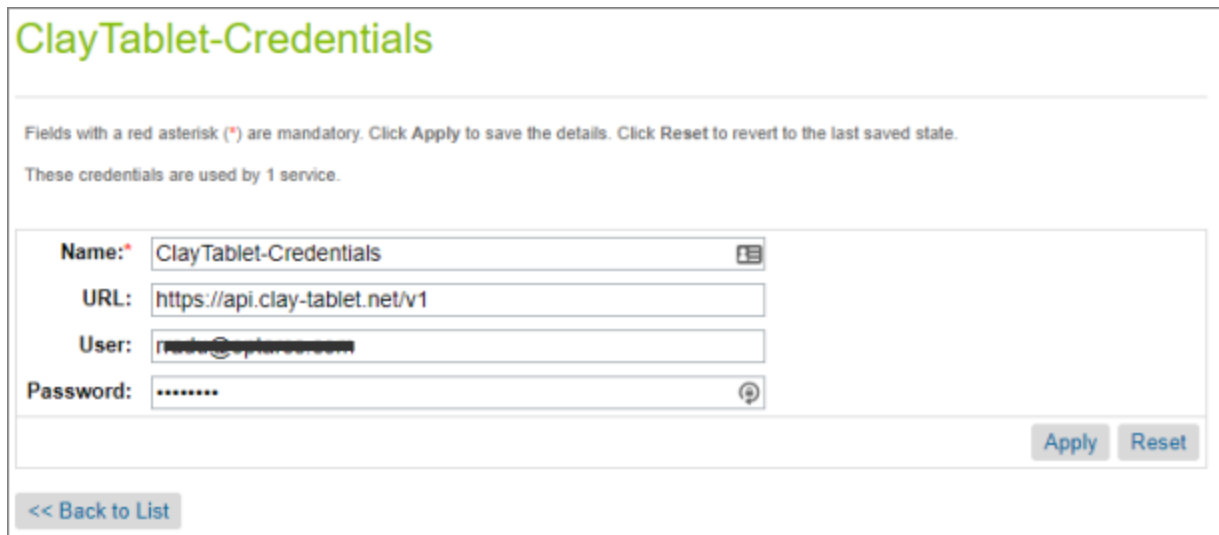
1. In Salesforce Commerce Cloud, navigate to **Administration > Operations > Services**.
2. Click the **Credentials** tab.



Select All	Name	URL	User
<input type="checkbox"/>	ClayTablet-Credentials	https://api.clay-tablet.net/v1	████████████████████
<input type="checkbox"/>	ClayTabletFileMgr-Credentials	https://ctt-rest-api-servlet-us-east-1.clay-tablet.net/v1	████████████████████
<input type="checkbox"/>	OCAPIData-Credentials	https://lionbridge01-tech-prtnr-na04-dw.demandware.net/s/-/dw/data/v17_3	
<input type="checkbox"/>	OCAPIToken-Credentials	https://account.demandware.com/dw/oauth2/access_token?grant_type=client_credentials	████████████████████

New Delete

3. In the **Name** column, click the links for the `ClayTablet` and `ClayTabletFileMgr` services.



The screenshot shows a web form titled "ClayTablet-Credentials". At the top, there is a note: "Fields with a red asterisk (*) are mandatory. Click Apply to save the details. Click Reset to revert to the last saved state." Below this, it says "These credentials are used by 1 service." The form contains four input fields: "Name:" with the value "ClayTablet-Credentials", "URL:" with the value "https://api.clay-tablet.net/v1", "User:" with a masked email address, and "Password:" with masked characters. At the bottom right of the form are "Apply" and "Reset" buttons. Below the form is a "<< Back to List" button.

4. For each service, update the user and password with the those provided by CLay tablet, and click **Apply**.

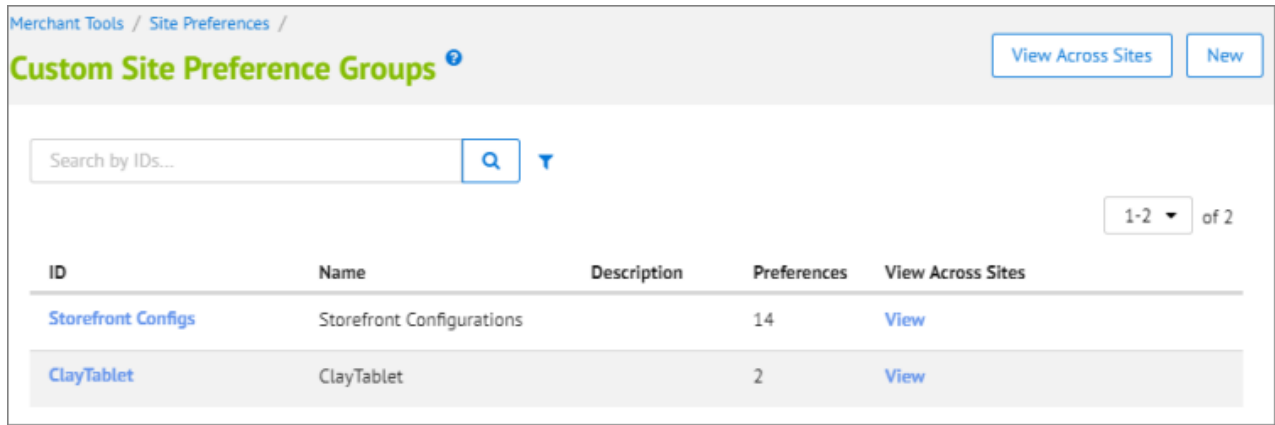
5.2 Configuring the Storefront Credentials

If you activated the Storefront Cartridge to protect your sites, as described in "[Installing the Lionbridge Cartridge](#)" on page 16, you now configure the storefront credentials.

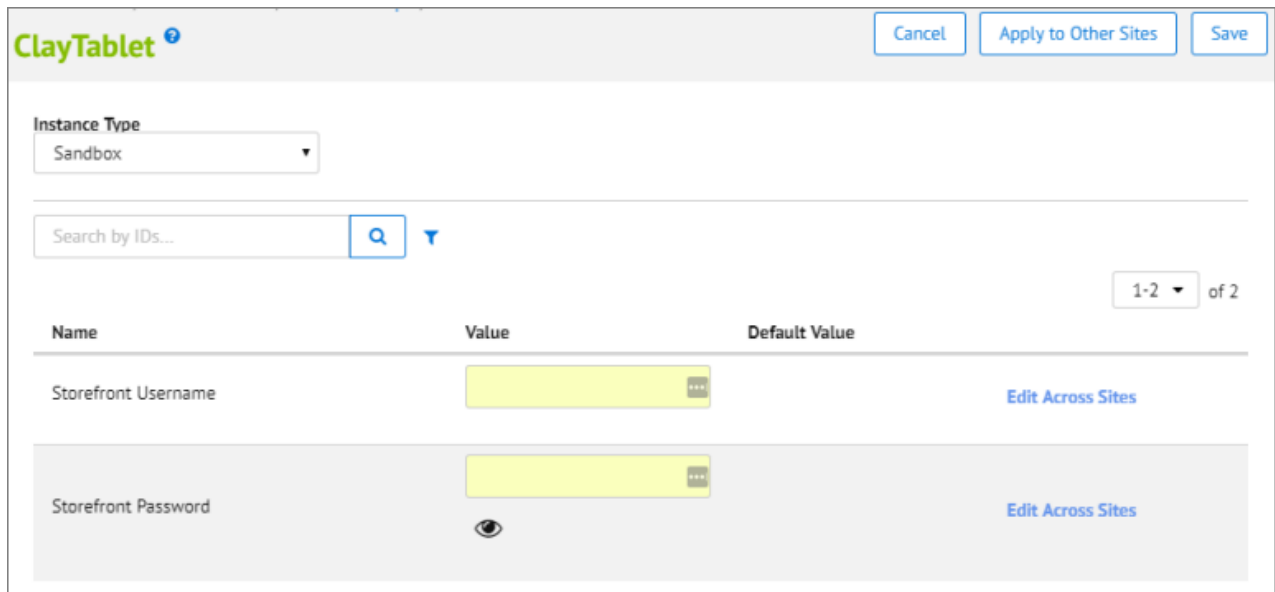
Note: If you did not activate the Storefront Cartridge to protect your sites, proceed to "[Mapping Locale Codes to CLay tablet Language Codes](#)" on page 29.

To configure the storefront credentials:

1. Click the **Merchant Tools** menu and then select your site.
2. In the **Merchant Tools** menu, navigate to **Site Preferences > Custom Preferences**.
The **Custom Sites Preference Groups** page opens.



- In the **ID** column, click the **ClayTablet** link.



- In the **Storefront Username** and **Storefront Password** fields, enter the base authentication credentials of the storefront.
- In the top-right corner, click **Save**.

5.3 Mapping Locale Codes to CClay tablet Language Codes

If any Salesforce Commerce Cloud locale codes are different from CClay tablet language codes, you must map them.

To map locale codes to CLay tablet Language Codes:

1. Navigate to **Administration > Global Preferences > Custom Preferences**.

The **Global Custom Preference Groups** page opens.

ID	Name	Description	Preferences
ClayTablet	ClayTablet		8 Edit

<< Back

2. In the **ID** column, click the **ClayTablet** link.

The **Global Custom Preferences** page opens.

Instance Type:

Preference Name	Value	Default Value
Catalogs With Owned Products*	electronics-catalog apparel-catalog	

Catalogs: [log_52-Dispatch](#)

Please add the Controller for displaying the catalogs page in Business Manager.

Language Mapping:

[Add Another Value](#)

Specify the Demandware locale followed by the ClayTablet locale if those are different. Example: "de de-DE"

Retention Days: (Integer)
 The number of retention days set for ClayTabletJobReference Custom Object.

Apply Reset

<< Back

3. If a Salesforce Commerce Cloud locale code is different from the corresponding CLay tablet language code, you can map them in the **Language Mapping** section.
 - a. Click **Add Another Value** to add a new row.
 - b. In the new row, enter the Salesforce Commerce Cloud locale code followed by a space and then the CLay tablet language code, for example: zh zh-CN. For a list and description of CLay tablet language codes, see ["Appendix: Language Codes"](#) on page 40.
 - c. Repeat the previous steps for each language mapping to add.
4. In the bottom-right corner, click **Apply**.

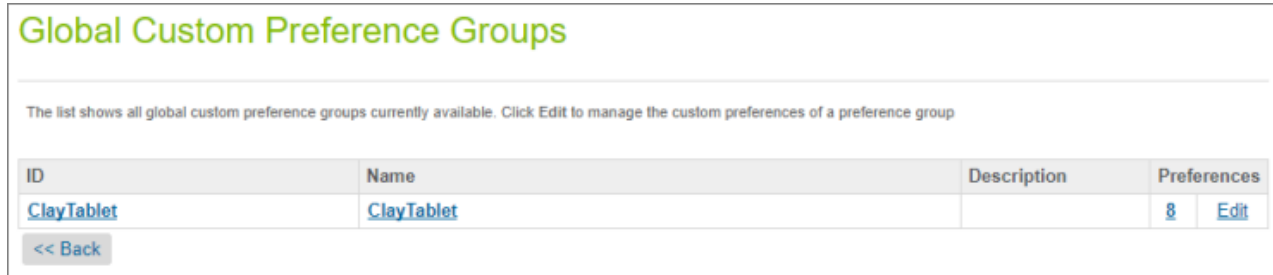
5.4 Configuring Catalogs

You configure which catalogs are available for translating products.

To configure catalogs:

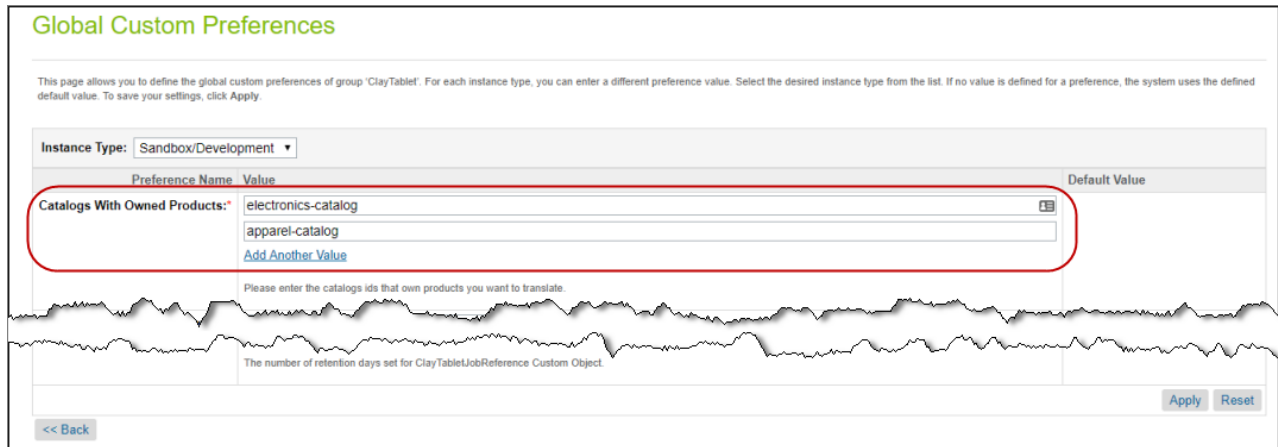
1. Navigate to **Administration > Global Preferences > Custom Preferences**.

The **Global Custom Preference Groups** page opens.



2. In the **ID** column, click the **ClayTablet** link.

The **Global Custom Preferences** page opens.



3. In the **Catalogs With Owned Products** section, you specify the catalog IDs of the catalogs that will be available for translating products.

Note: You must specify the catalogs that own the products. These are usually master catalogs.

- a. Click **Add Another Value** to add a new row.
 - b. In the new row, enter the catalog ID of a catalog that will be available for translating products.
 - c. Repeat the previous steps for each catalog ID to add.
4. In the bottom-right corner, click **Apply**.

5.5 Configuring Controller-Action Paths

Your Business Manager must use the default controller-action paths. If it is using other values, you must modify them.

To configure the controller-action paths:

1. Navigate to **Administration > Global Preferences > Custom Preferences**.

The **Global Custom Preference Groups** page opens.

ID	Name	Description	Preferences
ClayTablet	ClayTablet		8 Edit

<< Back

2. In the **ID** column, click the **ClayTablet** link.

The **Global Custom Preferences** page opens.

Instance Type: Sandbox/Development

Preference Name	Value	Default Value
Catalogs With Owned Products:*	<input type="text" value="electronics-catalog"/> <input type="text" value="apparel-catalog"/> Add Another Value <p>Please enter the catalogs ids that own products you want to translate.</p>	
Products Controller:	<input type="text"/>	ViewProduct_52-Edit
Categories Controller:	<input type="text"/>	ViewChannelCategory_52-JumpTo
Contents Controller:	<input type="text"/>	ViewLibraryContent_52-Start

It includes the following fields:

- ▣ Products Controller
- ▣ Categories Controller
- ▣ Contents Controller
- ▣ Folders Controller
- ▣ Catalogs Controller

3. If any of the controllers do not use the default controller-action paths (displayed on the right), you must modify them.
4. In the bottom-right corner, click **Apply**.

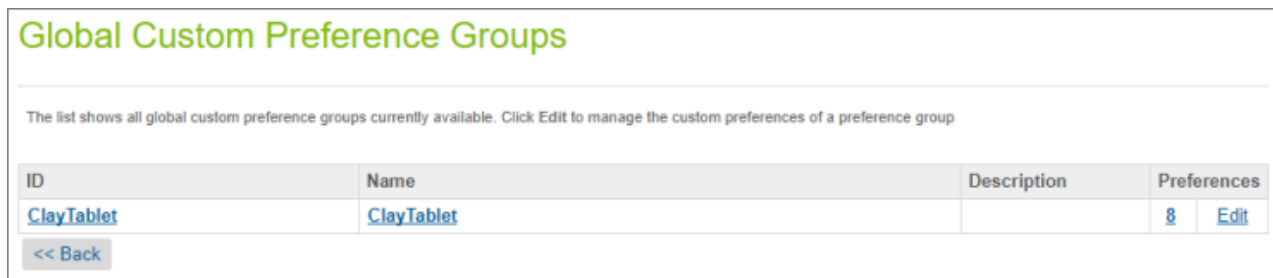
5.6 Configuring Retention Days

You configure the number of days that CLay tablet retains your translation data using the `ClayTabletJobReference` custom object. If you changed that value, you must also change it in the **Retention Days** field, as described below.

To configure retention days:

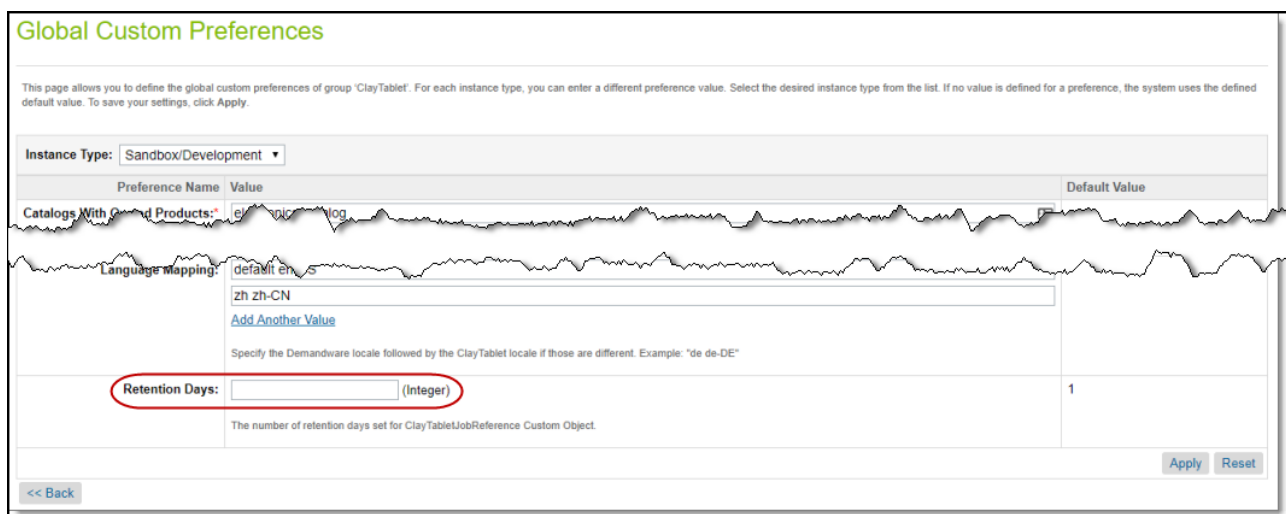
1. Navigate to **Administration > Global Preferences > Custom Preferences**.

The **Global Custom Preference Groups** page opens.



2. In the **ID** column, click the **ClayTablet** link.

The **Global Custom Preferences** page opens.



3. In the **Retention Days** field, enter the value that you specified for the `ClayTabletJobReference` custom object.
4. In the bottom-right corner, click **Apply**.

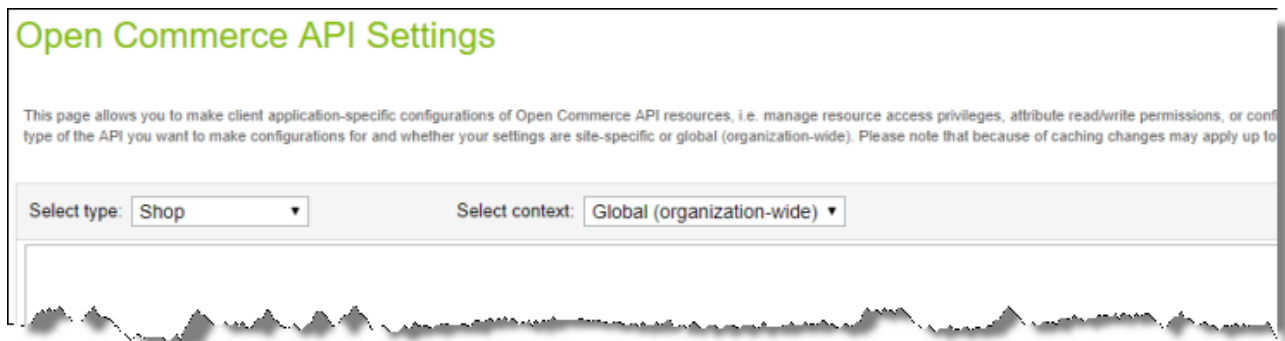
5.7 Configuring Open Commerce API Settings

You must configure Open Commerce API (OCAPI) settings.

To configure Open Commerce API settings:

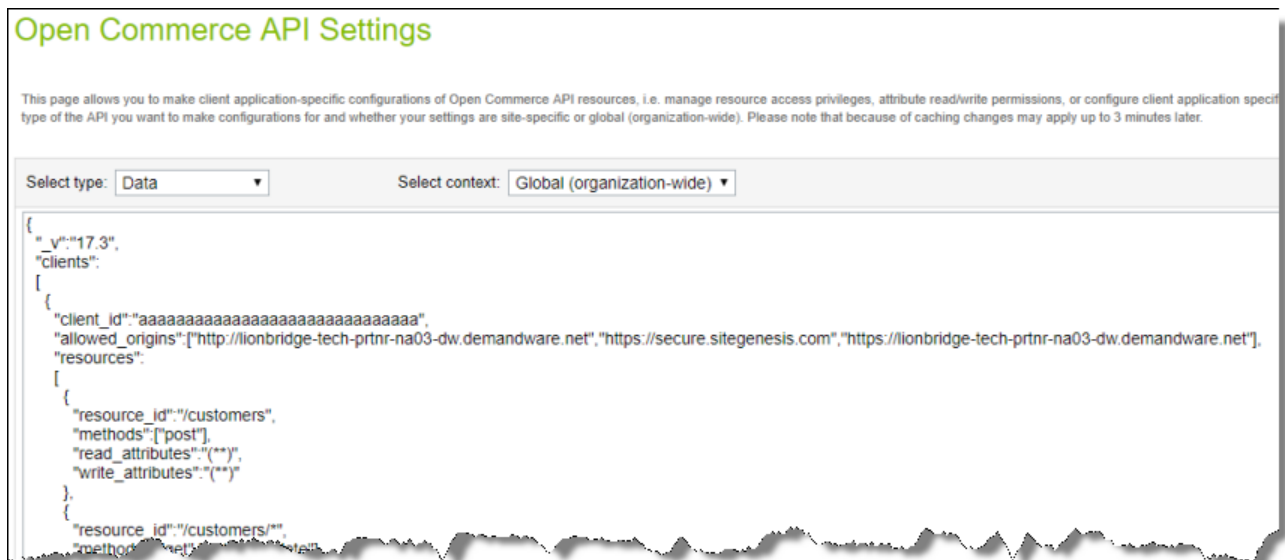
1. Navigate to **Administration > Site Development > Open Commerce API Settings**.

The **Open Commerce API Settings** page opens.



2. In the **Select type** dropdown list, select `Data`.

The page updates.



3. Add the resource for jobs executions.

Note: For testing purpose, you can use the demo Client ID (aaaaaaaaaaaaaaaaaaaaaaaaaaaaa), but in a production environment, obtain a Client ID from your Commerce Cloud Account Manager.

Your configuration should be similar to the following:

```
{
  "_v": "17.1",
  "clients":
  [
    {
      "client_id": "aaaaaaaaaaaaaaaaaaaaaaaaaaaaa",
      "resources":
      [
        {
          "resource_id": "/jobs/*/executions",
          "methods": ["post"],
          "read_attributes": "(**)",
          "write_attributes": "(**)"
        },
        {
          "resource_id": "/catalogs/*/categories",
          "methods": ["get"],
          "read_attributes": "(**)",
          "write_attributes": "(**)"
        },
        {
          "resource_id": "/job_execution_search",
          "methods": ["post"],
          "read_attributes": "(**)",
          "write_attributes": "(**)"
        }
      ]
    }
  ]
}
```

4. In the bottom-right corner, click **Apply**.
5. Navigate to **Administration > Operations > Services** to configure the OCAPI credentials.
6. Click the **Credentials** tab.

Select All	Name	URL	User
<input type="checkbox"/>	ClayTablet-Credentials	https://api.clay-tablet.net/v1	redacted
<input type="checkbox"/>	ClayTabletFileMgr-Credentials	https://ctt-rest-api-servlet-us-east-1.clay-tablet.net/v1	redacted
<input type="checkbox"/>	OCAPIData-Credentials	https://lionbridge01-tech-prtnr-na04-dw.demandware.net/s/-/dw/data/v17_3	
<input type="checkbox"/>	OCAPIToken-Credentials	https://account.demandware.com/dw/oauth2/access_token?grant_type=client_credentials	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

7. In the **Name** column, click the link for the OCAPIToken service.

The **OCAPIToken-Credentials** page opens.

8. Enter the credentials for the OCAPIData service.

- a. In the **User** field, enter the OCAPI client ID.
- b. In the **Password** field, enter the OCAPI client password.
- c. Click **Apply**.

9. In the **Name** column, click the link for the OCAPIData service.

The **OCAPIData-Credentials** page opens.

OCAPIData-Credentials

Fields with a red asterisk (*) are mandatory. Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

These credentials are used by 1 service.

Name* OCAPIData-Credentials

URL: https://lionbridge01-tech-prtnr-na04-dw.demandware.net/s/-/d

User: admin

Password:

Apply **Reset**

<< Back to List

10. In the **URL** field, enter your environment path in the following format: `https://hostname/s/-/dw/data/version`, where:

- *hostname* is your base URL.
- *version* is the OCAPI Data version set up in the Open Commerce API Settings page described in steps 2 and 3, above.

For example: `https://myinstance.demandware.net/s/-/dw/data/v17_3`.

11. Click **Apply**.

6 Post-Configuration Tasks

You must run the `ClayTabletCreateSearchFiles` and `ClayTabletCreateLibraries` jobs before creating the first translation request. This enables users to select products, folders, and content assets.

You should run these jobs whenever you update or create new catalogs and libraries.

7 Pre-Production Testing

After you complete the configuration, your Lionbridge Cartridge for Salesforce Commerce Cloud installation is ready for testing. We recommend sending only a few pages for translation in one language as an initial test. For detailed instructions, refer to the *Lionbridge Cartridge for Salesforce Commerce Cloud User Guide*. Once successful, you can send as many languages as required.

Please coordinate with your translation provider for this test process.

If you have any concerns or questions, please contact Lionbridge Connector Support. For details, see ["How to Contact Lionbridge Connector Support"](#) on page 8.

8 Appendix: Language Codes

For detailed instructions on mapping Salesforce Commerce Cloud locale codes to the corresponding CLay tablet language codes, see ["Mapping Locale Codes to CLay tablet Language Codes"](#) on page 29.

The Lionbridge Cartridge has the following CLay tablet language codes:

Type	Language Identifier	Language Code
String	Afrikaans	"af-ZA"
String	Albanian	"sq-AL"
String	Amharic	"am-ET"
String	Arabic_Algeria	"ar-DZ"
String	Arabic_Bahrain	"ar-BH"
String	Arabic_Egypt	"ar-EG"
String	Arabic_Iraq	"ar-IQ"
String	Arabic_Jordan	"ar-JO"
String	Arabic_Kuwait	"ar-KW"
String	Arabic_Lebanon	"ar-LB"
String	Arabic_Libya	"ar-LY"
String	Arabic_MiddleEast	"ar-XR"
String	Arabic_Morocco	"ar-MA"
String	Arabic_Oman	"ar-OM"
String	Arabic_Qatar	"ar-QA"
String	Arabic_Saudi_Arabia	"ar-SA"
String	Arabic_Syria	"ar-SY"
String	Arabic_Tunisia	"ar-TM"
String	Arabic_UAE	"ar-AE"
String	Arabic_Yemen	"ar-YE"

Type	Language Identifier	Language Code
String	Armenian	"hy-AM"
String	Assamese	"as-IN"
String	Basque	"eu-ES"
String	Belarusian	"be-BY"
String	Bengali_Bangladesh	"bn-BD"
String	Bengali_India	"bn-IN"
String	Bosnian_Bosnia_Herzegovina	"bs-BA"
String	Bulgarian	"bg-BG"
String	Burmese	"my-MM"
String	Catalan	"ca-ES"
String	Chinese_Hong_Kong	"zh-HK"
String	Chinese_Macao	"zh-MO"
String	Chinese_PRC	"zh-CN"
String	Chinese_Singapore	"zh-SG"
String	Chinese_Taiwan	"zh-TW"
String	Croatian	"hr-HR"
String	Croatian_Bosnia_Herzegovina	"hr-BA"
String	Czech	"cs-CZ"
String	Danish	"da-DK"
String	Divehi	"dv-MV"
String	Dutch	"nl-NL"
String	Dutch_Belgium	"nl-BE"
String	English_Australia	"en-AU"
String	English_Belize	"en-BZ"

Type	Language Identifier	Language Code
String	English_Canada	"en-CA"
String	English_HongKong	"en-HK"
String	English_India	"en-IN"
String	English_Indonesia	"en-ID"
String	English_Ireland	"en-IE"
String	English_Jamaica	"en-JM"
String	English_Malaysia	"en-MY"
String	English_New_Zealand	"en-NZ"
String	English_Philippines	"en-PH"
String	English_Singapore	"en-SG"
String	English_South_Africa	"en-ZA"
String	English_Trinidad	"en-TT"
String	English_UK	"en-GB"
String	English_US	"en-US"
String	English_Zimbabwe	"en-ZW"
String	Estonian	"et-EE"
String	Faroese	"fo-FO"
String	Farsi	"fa-IR"
String	Filipino	"fil-PH"
String	Finnish	"fi-FI"
String	French	"fr-FR"
String	French_Belgium	"fr-BE"
String	French_Cameroon	"fr-CM"
String	French_Canada	"fr-CA"

Type	Language Identifier	Language Code
String	French_Cote_d_Ivoire	"fr-CI"
String	French_Democratic_Rep_Congo	"fr-CD"
String	French_Haiti	"fr-HT"
String	French_Luxembourg	"fr-LU"
String	French_Mali	"fr-ML"
String	French_Monaco	"fr-MC"
String	French_Morocco	"fr-MA"
String	French_Reunion	"fr-RE"
String	French_Senegal	"fr-SN"
String	French_Switzerland	"fr-CH"
String	Frisian_Netherlands	"fy-NK"
String	Fulfulde_Nigeria	"ff-NG"
String	FYRO_Macedonian	"mk-MK"
String	Gaelic_Ireland	"gd-IE"
String	Gaelic_Scotland	"gd-GB"
String	Gallegan	"gl-ES"
String	Georgian	"ka-GE"
String	German	"de-DE"
String	German_Austria	"de-AT"
String	German_Liechtenstein	"de-LI"
String	German_Luxembourg	"de-LU"
String	German_Switzerland	"de-CH"
String	Greek	"el-GR"
String	Guarani	"gn-PY"

Type	Language Identifier	Language Code
String	Gujarati	"gu-IN"
String	Hausa	"ha-NE"
String	Hawaiian	"haw-US"
String	Hebrew	"he-IL"
String	Hindi	"hi-IN"
String	Hungarian	"hu-HU"
String	Icelandic	"is-IS"
String	Igbo	"ig-NG"
String	Indonesian	"id-ID"
String	Inuktitut	"iu-CA"
String	Italian	"it-IT"
String	Italian_Switzerland	"it-CH"
String	Japanese	"ja-JP"
String	Kannada	"kn-IN"
String	Kanuri	"kr-TD"
String	Kashmiri	"ks-IN"
String	Kazakh	"kk-KZ"
String	Khmer	"km-KH"
String	Konkani	"kok-IN"
String	Korean	"ko-KR"
String	Kyrgyz	"ky-KZ"
String	Lao	"lo-LA"
String	Latin	"la-XL"
String	Latvian	"lv-LV"

Type	Language Identifier	Language Code
String	Lithuanian	"lt-LT"
String	Malay	"ms-MY"
String	Malay_Brunei_Darussalam	"ms-BN"
String	Malayalam	"ml-IN"
String	Maltese	"mt-MT"
String	Maori	"mi-NZ"
String	Marathi	"mr-IN"
String	Mongolian	"mn-MN"
String	Nepali	"ne-NP"
String	Nepali_India	"ne-IN"
String	Norwegian	"nb-NO"
String	Norwegian_Nynorsk	"nn-NO"
String	Oriya	"or-IN"
String	Oromo	"om-ET"
String	Panjabi	"pa-PK"
String	Polish	"pl-PL"
String	Portuguese	"pt-PT"
String	Portuguese_Brazil	"pt-BR"
String	Punjabi_Pakistan	"pa-PK"
String	Pushto	"ps-AF"
String	Quechua_Ecuador	"qu-EC"
String	Quechua_Peru	"qu-PE"
String	Rhaeto_Romance	"rm-IT"
String	Romanian	"ro-RO"

Type	Language Identifier	Language Code
String	Romanian_Moldova	"ro-MD"
String	Russian	"ru-RU"
String	Russian_Moldava	"ru-MD"
String	Sami	"se-NO"
String	Sanskrit	"sa-IN"
String	Serbian_Cyrillic	"sr-RS"
String	Serbian_Latin	"sr-SP"
String	Sindhi_India	"sd-IN"
String	Sindhi_Pakistan	"sd-PK"
String	Sinhala	"si-LK"
String	Slovak	"sk-SK"
String	Slovenian	"sl-SI"
String	Somali	"so-ET"
String	Sorbian	"wen-DE"
String	Spanish	"es-ES"
String	Spanish_Argentina	"es-AR"
String	Spanish_Bolivia	"es-BO"
String	Spanish_Chile	"es-CL"
String	Spanish_Colombia	"es-CO"
String	Spanish_Costa_Rica	"es-CR"
String	Spanish_Dominican_Republic	"es-DO"
String	Spanish_Ecuador	"es-EC"
String	Spanish_El_Salvador	"es-SV"
String	Spanish_Honduras	"es-HN"

Type	Language Identifier	Language Code
String	Spanish_LatinAmerica	"es-XL"
String	Spanish_Mexico	"es-MX"
String	Spanish_Nicaragua	"es-NI"
String	Spanish_Panama	"es-PA"
String	Spanish_Paraguay	"es-PY"
String	Spanish_Peru	"es-PE"
String	Spanish_Puerto_Rico	"es-PR"
String	Spanish_Uruguay	"es-UY"
String	Spanish_US	"es-US"
String	Spanish_Venezuela	"es-VE"
String	Swahili	"sw-TZ"
String	Swedish	"sv-SE"
String	Swedish_Finland	"sv-FI"
String	Syriac	"syr-SY"
String	Tajik	"tg-TJ"
String	Tamil	"ta-IN"
String	Tatar	"tt-RU"
String	Telugu	"te-IN"
String	Thai	"th-TH"
String	Tibetan	"bo-CN"
String	Tigrinya_Eritrea	"ti-ER"
String	Tigrinya_Ethiopia	"ti-ET"
String	Tsonga	"ts-ZA"
String	Tswana	"tn-BW"

Type	Language Identifier	Language Code
String	Turkish	"tr-TR"
String	Turkmen	"tk-TM"
String	Uighur	"ug-CN"
String	Ukrainian	"uk-UA"
String	Urdu	"ur-PK"
String	Urdu_India	"ur-IN"
String	Uzbek	"uz-UZ"
String	Venda	"ve-ZA"
String	Vietnamese	"vi-VN"
String	Welsh	"cy-GB"
String	Xhosa	"xh-ZA"
String	Yi	"ii-CN"
String	Yiddish	"yi-MD"
String	Yoruba	"yo-NG"
String	Zulu	"zu-ZA"

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