LIONBRIDGE

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Contents

1 Welcome to the Lionbridge Connector for SAP Commerce

Welcome to the Lionbridge Connector for SAP Commerce ("Connector"). This is Lionbridge's connector between SAP Commerce (formerly Hybris) and the Lionbridge Content API Platform.

1.1 Terminology

Asset	A content item that you manage using SAP Commerce, for example, supported business objects.
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.
Keys	The Connector uses keys to establish a secure, discrete connection between the Connector instance and the Platform. **Very important:** Do not copy the CMS address keys to multiple SAP Commerce instances, because this is a violation of the License Agreement. Using the same CMS address keys on multiple SAP Commerce instances will cause the Lionbridge App or Connector to behave unexpectedly, which can result in lost translation content, orphaned projects, and inaccurate translation status reports. The Lionbridge Connector team 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 Connector for SAP Commerce ("Connector")	The connector software that a Lionbridge company, has developed and provides, which plugs into your SAP Commerce installation to provide connectivity to our hosted Platform. In this document it is referred to as the Connector. 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 SAP Commerce.
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 How the Connector Works with SAP Commerce

The Lionbridge Connector ("Connector") is an important part of the Lionbridge Content API translation solution.

The Connector is installed on your system as an add-in to SAP Commerce. Its functionality is displayed to the users as part of SAP Commerce.
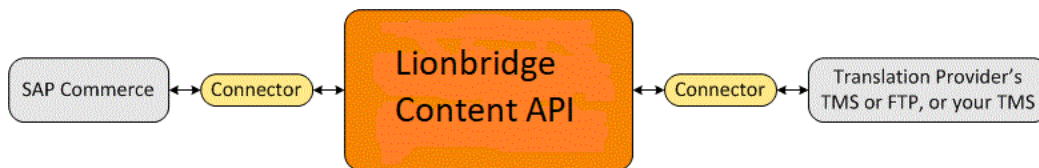
Your translation systems architecture might look like the configuration above. It may have additional content producers or translation providers, but the core concepts remain the same.

During implementation, the Lionbridge Connector team works with you and your translation providers to ensure your connector sends and receives content properly to and from your translation provider via Lionbridge Content API.

1.3 Using this Guide

Purpose of this guide

This guide describes everything you need to know to install and configure the Lionbridge Connector ("Connector") for SAP Commerce. 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 Connector.

Who should use this guide

This guide is intended for SAP Commerce administrators and system integrators.

What you should already know

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

How to find out more about the Lionbridge Connector for SAP Commerce

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

Documentation conventions

This guide uses the following conventions:

Convention	Description
Bold	Highlights screen elements such as buttons, menu items, and fields.
Courier	Highlights input, file names, and paths.
Italics	Highlights terms for emphasis, variables, or document titles.
>	Indicates a menu choice. For example, "Select **Translation > Translate Asset**."

1.4 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/

1.4.1 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:

   a. Open the Lionbridge Connector Zendesk page in your browser: https://connectors.zendesk.com.

   b. 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.

   c. Click **Submit a request**.

   d. 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.

1.4.2 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

1.4.3 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**.

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.

1.4.4 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.

The **Sign up** page opens.

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.

1.4.5 Getting a Zendesk Password if You Previously Emailed Lionbridge Connectors
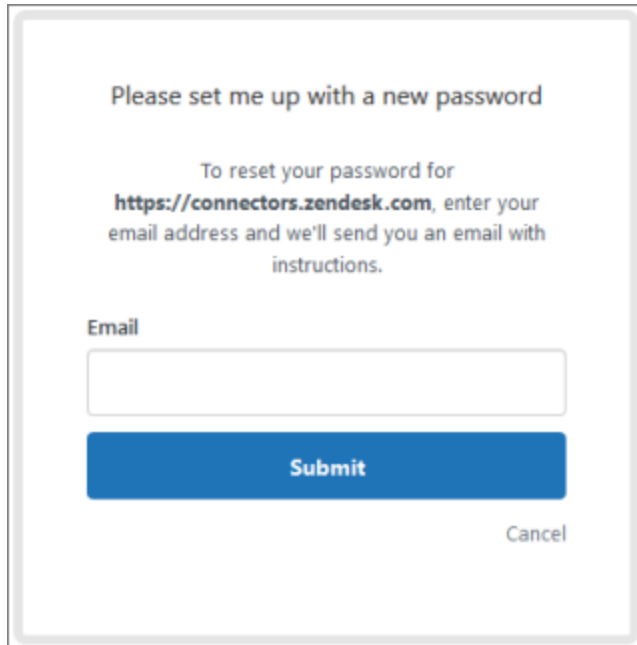
If you have previously emailed Lionbridge Connectors Support at connectors@lionbridge.com to create a support ticket, you can get a password for your email account.

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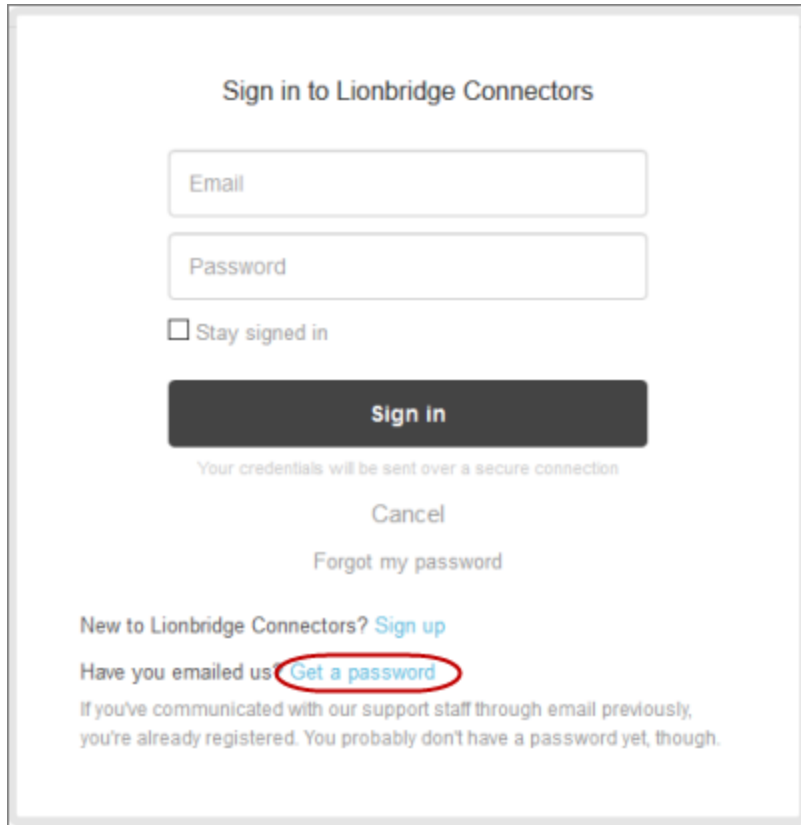
The **Please set me up with a new password** page opens.

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 Connector ("Connector") for SAP Commerce, please review the system requirements, described below, and perform the following pre-installation procedures:

1. "Setting Your System Date, Time, and Time Zone Correctly" on page 15.

2. Ensure that in your SAP Commerce environment, the SAP Commerce suite user has sufficient access rights to control job execution in SAP Commerce via `CronJobs`. For detailed instructions, refer to the appropriate version of the SAP Commerce documentation at https://wiki.hybris.com.

3. Optional step. If you have a firewall, you must configure your ports so that the Connector can communicate with the Lionbridge Content API Platform. For details, see "Configuring Network Settings for a Firewall" on page 15.

2.1 System Requirements

The Lionbridge Connector for SAP Commerce ("Connector") supports:

■ Hybris versions 6.1 and higher

■ SAP Commerce versions 18xx, 19xx, and higher

■ SAP Commerce Cloud versions 18xx, 19xx, and higher

The Connector has several pre-installation requirements, described in "Before You Install" on page 14.

■ On Hybris or SAP Commerce, the Connector requires Java 8.

■ On SAP Commerce Cloud 19xx or higher, the Connector requires sapmachine-jdk-11 or oracle-jdk-11.

The Connector has no additional hardware or software requirements beyond those of SAP Commerce. For detailed requirements, refer to the appropriate version of the SAP Commerce documentation at https://help.sap.com/viewer/product/SAP_COMMERCE_CLOUD/SHIP/en-US.

Memory	16 GB minimum is recommended by SAP Commerce. This is recommended for the Connector to function as expected.
Disk Space	■ 5 GB is recommended by SAP Commerce. ■ The Connector installation requires an additional 170 MB of disk space. ■ Space for storing log files.

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

The Lionbridge Connector sends content to and receives content from the Lionbridge Connector API 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 Connector. 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.`

2.3 Configuring Network Settings for a Firewall

Optional step. If you have a firewall, you must configure your ports so that the Connector can communicate with the Lionbridge Content API Platform. The Connector must be able to communicate with the Lionbridge Content API Platform by initiating the following outbound network connections:

To send content for translation to Lionbridge Freeway, also configure:

Protocol	Port Number	Description	Location to Configure
HTTPS	Port 443	For secure access to Lionbridge Freeway	https://fwapi.lionbridge.com/obvibundles/ freewayauth.asmx
HTTPS	Port 443	For secure access to Lionbridge Freeway	https://fwapi.lionbridge.com/obvibundles/ service.asmx

3 Installing the Lionbridge Connector onto SAP Commerce Cloud

This section describes how to install the Connector package onto SAP Commerce Cloud.

Note: If you are installing the Connector package into Hybris or SAP Commerce, follow the detailed instructions in <u>See "Installing the Lionbridge Connector into Hybris or SAP Commerce" on page 17</u>.

To install the Connector onto SAP Commerce Cloud:

1. At the root level of the Commerce Cloud code repository, create the `custom` folder.

2. Add the following Connector package files to the `custom` folder you just created.

   * `/custom/ctcore`

   * `/custom/ctbackoffice`

3. In your `manifest.json` file, add the Connector packages to the `extensions` list, for example:

   ```
   "extensions": [
   ...,
   "ctcore"
   "ctbackoffice"
   ],
   ```

4. Save, commit, and push the changes.

5. Create a build in the Commerce Cloud Dashboard.

6. Deploy the build to the desired environment, using one of the following options, depending on your requirements and capabilities:

   * **Update database and deploy with downtime**

   * **Update database and deploy with rolling update**

4 Installing the Lionbridge Connector into Hybris or SAP Commerce

This section describes how to install the Connector package into your Hybris or SAP Commerce system.

Note: If you are installing the Connector package onto SAP Commerce Cloud, follow the detailed instructions in See "Installing the Lionbridge Connector onto SAP Commerce Cloud" on page 16.

Before you install the Connector, verify that you have reviewed the system requirements and performed the pre-installation tasks described in "Before You Install" on page 14.

To install the Connector into Hybris or SAP Commerce:

1. Download the Lionbridge Connector ("Connector") delivery package, from the link that Lionbridge sends you.

2. Unzip the delivery package into any working folder on your server.

3. If the `${HYBRIS_BINDIR}/custom` folder does not already exist, then create it, for example:

   ▓ In Windows: `C:\hybris\bin\custom`.

   ▓ In Unix: `$HYBRIS_HOME/bin/custom`.

4. Copy all the Connector packages in the delivery package to the `custom` folder, for example:

   ▓ In Windows:

`C:\hybris\bin\custom\ctbackoffice`	all Hybris and SAP Commerce versions
`C:\hybris\bin\custom\ctbasecockpit`	Hybris versions 6.1 to 6.6 only
`C:\hybris\bin\custom\ctcockpit`	Hybris versions 6.1 to 6.6 only
`C:\hybris\bin\custom\ctcore`	all Hybris and SAP Commerce versions
`C:\hybris\bin\custom\ctwcms`	Hybris versions 6.1 to 6.6 only

   ▓ In Unix:

`$HYBRIS_HOME/bin/custom/ctbackoffice`	all Hybris and SAP Commerce versions
`$HYBRIS_HOME/bin/custom/ctbasecockpit`	Hybris versions 6.1 to 6.6 only

`$HYBRIS_HOME/bin/custom/ctcockpit`	Hybris versions 6.1 to 6.6 only
`$HYBRIS_HOME/bin/custom/ctcore`	all Hybris and SAP Commerce versions
`$HYBRIS_HOME/bin/custom/ctwcms`	Hybris versions 6.1 to 6.6 only

Note: The `ctbasecockpit`, `ctcockpit`, and `ctwcms` folders support the corresponding Hybris cockpits, which are not included in Hybris versions 6.7 and higher. Version 6.7 includes only the Backoffice Cockpit.

5. If the Hybris server is running, then stop it.

  ▦ In Windows:

   a. Open the **Command Prompt** window in which the server is running.

   b. Press `Ctrl` and `C`.

  ▦ In Unix: In the Terminal, press `Ctrl` and `C`.

6. In the `${HYBRIS_CONFIGDIR}/localextensions.xml` file, add the following entries for the new extensions:

  ▦ In Hybris versions 6.1 to 6.6:

  ```
  <extension name="ctbackoffice"/>
  <extension name="ctbasecockpit"/>
  <extension name="ctcockpit"/>
  <extension name="ctcore"/>
  <extension name="ctwcms"/>
  ```

  ▦ In Hybris versions 6.7 and higher:

  ```
  <extension name="ctbackoffice"/>
  <extension name="ctcore"/>
  ```

  For example, add this entry to the following file:

  ▦ In Windows: `C:\hybris\config\localextensions.xml`.

  ▦ In Unix: `$HYBRIS_HOME/config/localextensions.xml`.

7. If you are installing the Connector in Hybris version 6.1 or 6.2, complete the following sub-steps:

  a. Edit `hybris/bin/custom/ctbackoffice/resources/ctbackoffice-backoffice-config.xml`.

  b. Locate the section that starts with the following XML comment:

```
!-- Enable-multi-select Attribute (6.3+).
```

c. Comment out or remove the configuration enabling the Connector to send content for translation from the Backoffice. This section is on lines 55-154.

d. Comment out both sub-sections that start with `<context component="collection-browser"/>`. These sub-sections are on lines 159-177.

Note: This feature is enabled by default in Hybris versions 6.3 and higher.

8. In Hybris versions 6.6 and higher, in `ctbackoffice\resources\ctbackoffice-backoffice-config.xml`, at line 55, note the configuration file for your supported version of Hybris.

Note: This step is not required in Hybris versions 6.1 to 6.5.

9. In Hybris versions 6.6 and higher, edit the configuration file you identified in the previous step as follows:

Note: This step is not required in Hybris versions 6.1 to 6.5.

▦ Uncomment the following:

```
<context type="Item" component="listviewactions">
  <y:actions>
    <y:group qualifier="common">
      <y:label>actiongroup.common</y:label>
      <y:action action-
      id="com.lionbridge.hybris.connector.ctbackoffice.actions.
      sendtotranslation" property="selectedObjects" />
    </y:group>
  </y:actions>
</context>
```

▦ Comment out the following:

```
<context component="listviewactions">
  <y:actions>
    <y:group qualifier="common">
      <y:label>actiongroup.common</y:label>
      <y:action action-
      id="com.lionbridge.hybris.connector.ctbackoffice.actions.
      sendtotranslation" property="selectedObjects" />
    </y:group>
```

```
        </y:actions>
    </context>
```

10. Navigate to the `${HYBRIS_BINDIR}/platform` directory, for example:

   ▦ In Windows: `C:\hybris\bin\platform`.

   ▦ In Unix: `$HYBRIS_HOME/bin/platform`.

11. Do one of the following:

   ▦ In Windows:

      a. Press the `Shift` button and right-click, and select **Open command window here** from the context menu.

         The Command Prompt window opens.

      b. Type `setantenv.bat` and press `Enter`.

   ▦ In Unix: In the Terminal, type `. ./setantenv.sh` and press `Enter`.

12. After setting ant home, type `ant clean all` and press `Enter`.

   This takes a few minutes to run. When it is finished, `BUILD SUCCESSFUL` is displayed in the Terminal, along with the build time.

13. Do one of the following to start the Hybris server, so that you can deploy the Connector:

   ▦ In Windows: In the **Command Prompt** window, type `hybrisserver.bat` and press `Enter`.

   ▦ In Unix: In the Terminal, type `hybrisserver.sh` and press `Enter`.

   This takes a few minutes to run.

14. Update the Hybris suite.

   a. Open the Hybris **Administration Console** in a browser, at `http://localhost:9001`.

   b. Mouseover the **Platform** tab.

   c. Click the **Update** menu item.

      The **Update** page opens.

      Note: If you are updating from a previous version of the Connector, scroll down, and clear the **Create essential data** and **Localize types** check boxes.

d. Click the **Update** button to start updating Hybris with the Connector.

This takes a few minutes to run.

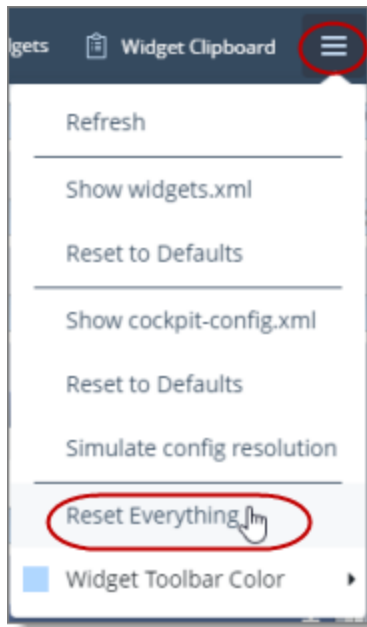e. When it is done, scroll down to the bottom of the page.

The console displays FINISHED, along with the updating time.

15. In Backoffice, open Orchestrator mode:

▦ In Microsoft Windows, press the F4 key.

▦ In UNIX, press the fn and F4 keys.

16. Click the Orchestrator hamburger menu in the top-right corner, and select **Reset Everything** from the menu.

This clears cached UI configurations and loads new added widgets, including their styles,

17. Close Orchestrator mode.

   - In Microsoft Windows, press the F4 key.

   - In UNIX, press the fn and F4 keys.

   For more information about updating the Hybris suite, see:
   https://wiki.hybris.com/display/release5/Initializing+and+Updating+the+hybris+Commerce+Suite.

4.1 Upgrading the Connector Database

This section describes how to upgrade the Connector database.

Important: This step is required when updating your Connector installation from version 2.1.x-2.4.0 to the current version. It is required to support changes to how classification content mapping is saved in the Connector database.

To upgrade the Connector database:

1. Open the **Hybris Administration Console** in a browser. For detailed instructions, refer to the SAP Commerce documenation

at: https://help.sap.com/viewer/5c9ea0c629214e42b727bf08800d8dfa/1905/en-US/7d4ea11ee6da48b5b3b49304ab52b9f0.html.

2. Mouseover the **Platform** tab.

3. Click the **Update** menu item.

   The **Update** page opens.

4. Ensure that in the **General settings** section, all the check boxes are selected.

5. Ensure that in the **Project data settings** section, the check box for the **ctcore** extension item (not shown) is selected.
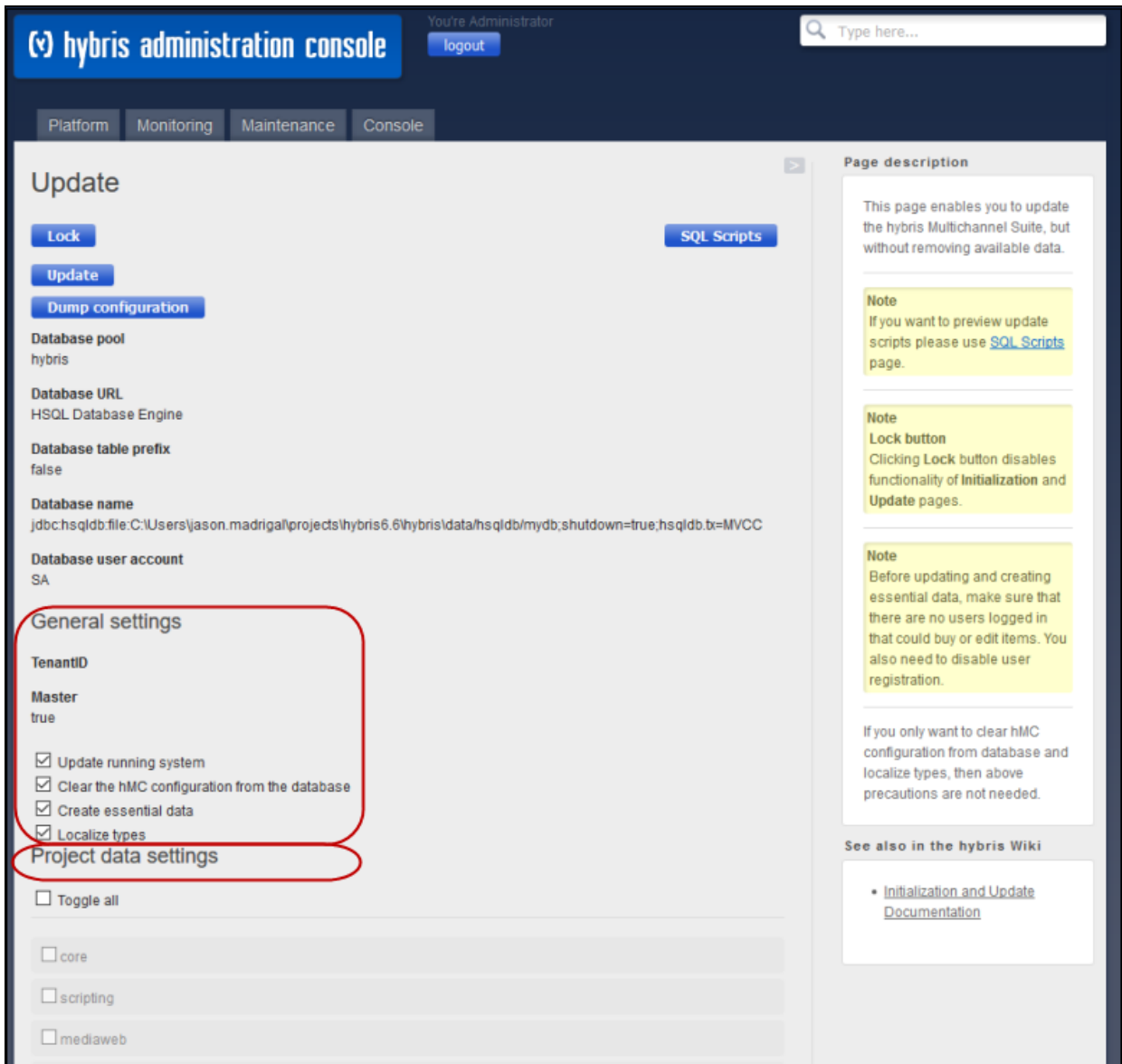
6. At the bottom of the page, click the **Update** button to start updating the Connector database.

7. In the the **Hybris Administration Console**, click the Console tab and then click **ImpEx Import**.

8. Run the following ImpEx:

```
$targetType=CtConfigContentMapping
REMOVE $targetType[batchmode=true];itemtype(code)[unique=true]
;$targetType
```

5 Configuring the Lionbridge Connector

After you install the Connector, you configure your Connector installation in Backoffice.

To View System Information:

1. Do one of the following:
   - In Hybris:
     a. In your Web browser, navigate to `/backoffice/` on your Hybris instance.
     b. Log in to the Hybris Backoffice.
     c. In the **Administration** menu, select **ConnectorConfig**.

In the **System Information** section User can see below Information:

System Information	
SAP CC version:	1905.0
Connector Version:	3.0
Build:	af05b9b7aaecca269125c984799e36e59cab9aaa

- SAP CC Version
- Connector Version
- Build

To configure the Connector:

1. Do one of the following:
   - In Hybris:
     a. In your Web browser, navigate to `/backoffice/` on your Hybris instance.
     b. Log in to the Hybris Backoffice.
     c. In the **Administration** menu, select **ConnectorConfig**.
     d. In the secondary **ConnectorConfig** menu that opens, select **System Configuration**.
   - In SAP Commerce or SAP Commerce Cloud:
     a. In your Web browser, navigate to `/backoffice/` on your SAP Commerce instance or on SAP Commerce Cloud.
     b. Log in to SAP Commerce or SAP Commerce Cloud.
     c. In the **Administration Cockpit** menu, select **ConnectorConfig**.
     d. In the secondary **ConnectorConfig** menu that opens, select **System Configuration**.

2. Configure the settings in the following sections:

Section	Detailed Configuration Instructions
Add LSP	"LSP Configuration" on page 27
Connector Configurations–Translation Settings	"Configuring Translation Settings" on page 29
Connector Configurations–Language Mapping	"Mapping Language Codes" on page 31
Connector Configurations–Network Settings	"Configuring Proxy Server Implementations" on page 33
Connector Configurations–Email Settings	"Configuring Email Settings" on page 45
Connector Configurations–Translation URL Conversion Settings	"Configuring Translation URL Conversion Settings" on page 48

3. In the **ConnectorConfig** menu, select **Content Mapping** to open the Content Mapping page.

   ▦ In the **Item Type Attributes** tab, you configure the localized Item Type attributes of business objects and sub-types to send out for translation. For detailed instructions, see "Configuring Business Objects, Sub-Types, and Localized Attributes" on page 35.

   ▦ Optional. In the **Classification Attributes** tab, you can configure the product classification attributes of business objects that are *Products* for the Connector to send for translation. All classification attributes belong to a category. When you add a product to a category, Hybris or SAP Commerce attaches those attributes to it. For detailed configuration instructions, see "Configuring Product Classification Attributes for Translation" on page 40.

4. Optional. In Hybris versions 6.1 or 6.2, you can configure the multi-select feature to support sending multiple products and pages for translation concurrently from the Hybris Backoffice. For detailed instructions, see "Configuring the Multi-Select Feature in Hybris" on page 42.

   Note: This step is not relevant for Hybris versions 6.3 or higher, SAP Commerce, or SAP Commerce Cloud.

5. Optional. You can configure how frequently the Connector sends jobs to the Lionbridge Content API Platform. For detailed instructions, see "Configuring the Frequency of Sending Jobs to the Lionbridge Content API Platform" on page 44.

Important: You must configure your browser to allow pop-up windows on the Hybris, SAP Commerce, or SAP Commerce Cloud server.

5.1 LSP Configuration

5.1.1 Setting Up Your Connector License

You set up your Connector license in the **License Configuration** section of the **System Configuration** page.

To set up your License Configuration:

1. Open the **System Configuration** page. For detailed instructions, see "Configuring the Lionbridge Connector" on page 25.

2. In the **License Configuration** section of the **System Configuration** page, in the **Client ID and Client Secret** field, enter your Client ID and Client Secret key, which you obtain from Lionbridge.

3. Click **Save License**.

   A message box opens, stating **Save License Sucessfully**.

Configuring your LSP:

Once you setup your connector license in the previous step and click **Save License**, you should see your **Providers** list automatically refreshes to show you providers available with your license.

- ▦ **ID:** Provider.
- ▦ **Name:** Name for the language service provider (LSP). This is what your users will select when sending out content for translation to this provider.

- **Type:** Select your translation provider. The type of translation provider determines whether additional configuration is required.

- **Operation:** You can enable or disable the provider. Disabled providers would not be available as an option when you send out content to translation.

If you need more providers configured, please contact Lionbridge support team.

Click **REFRESH PROVIDERS** to see latest updates.

5.2 Legacy LSPs Configuration

If you have upgraded your Lionbridge connector from an earlier (2.x) version, your previous LSP configuration will show up in the **Legacy LSPs Configuration** section. They are maintained so that you can still receive back any pending jobs sent to those legacy LSPs. You won't be able to send any new jobs out to legacy LSPs though. If you have done a brand-new installation of the connector, this section won't appear on your **System Configuration** screen.

You cannot make any changes to legacy license settings and legacy LSPs. The only operations you can perform in this section are:

- **Disable/Enable Legacy LSPs:** You can disable all legacy LSPs. By doing so, the connector will stop checking for any jobs returning from those legacy LSPs. You can also re-enable all legacy LSPs after you disable them. After re-enabled them, the connector will restart checking for jobs returning from legacy LSPs.

- **Remove Legacy LSPs:** You can remove all legacy LSPs. After that, the **Legacy LSPs Configuration** section will disappear from your **System Configuration** screen.

  Important: You cannot reverse the operation once, you remove legacy LSPs, you cannot get them back, and if there are any outstanding jobs sent to any of those legacy LSPs, the connector won't be able to receive the translation back for those jobs. So please make sure you have completed all outstanding jobs. Removing legacy LSPs does not affect completed jobs sent to legacy LSPs in the past. You can still see them in the **Translation Jobs** view and check their job details on the **Job Details** page.

	Legacy LSPs Configuration	
License ID*	5e9cb192-311b-481a-8372-68153db7363a-f7743104	

Name	Access Key	Type
Freeway-1905	1905-Hybris-freeway-key	Lionbridge Freeway
FTP-QA-Test	vaibhav-hybris-test1-ftp-producer	Generic
FTP-QA-Test-02	vaibhav-hybris-test2-ftp-producer	Generic

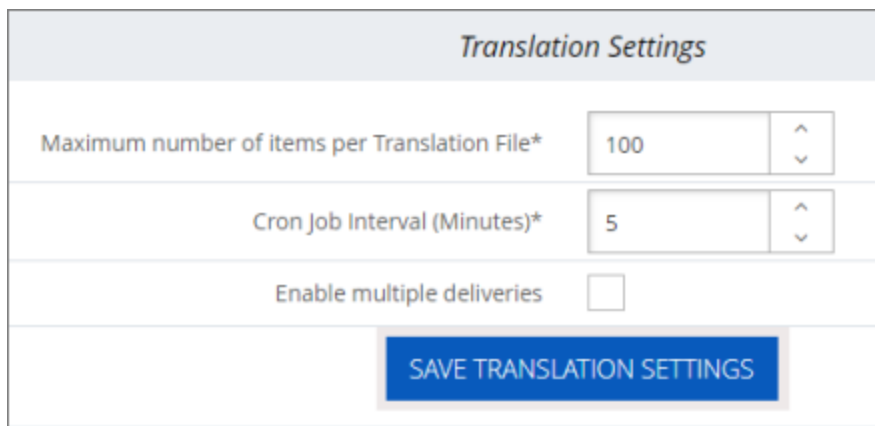DISABLE LEGACY LSPS   REMOVE LEGACY LSPS

5.3 Configuring Translation Settings

In the **Translation Settings** section of the **System Configuration** page, you configure the following settings:

- the maximum number of items in a translation file
- how frequently to download and import translations
- whether you can receive revisions of translated content, which determines whether approval is required for a job

To configure translation settings:

1. Open the **System Configuration** page. For detailed instructions, see "Configuring the Lionbridge Connector" on page 25.

2. Locate the **Translation Settings** section of the **System Configuration** page.

Tip: Depending on your screen size and resolution, you may need to scroll down to view this section.

3. Configure any of the following settings:

Setting	Description
Maximum number of items per translation file	This setting enables you to configure the maximum number of items in a translation file generated by the Connector. An *item* is an asset that is being translated into a specific target language.
	For example, suppose you are translating 150 assets from one source language into three target languages. If you use the default value of `100`, then for each language pair, there are 2 translation files, and there are a total of 6 generated files.
	By default, the maximum number of items that the Connector sends out for translation in a single translation file is `100`. You can change this number by selecting one of the following numbers instead: `150`, `200`, or `250`.
Cron Job Interval (Minutes)	This setting enables you to configure how frequently to download and import translations.
	The `ctPerformable` CronJob automatically downloads and imports translations from the Lionbridge Content API Platform into Hybris. By default, this CronJob runs once every minute.
	This CronJob consumes resources such as memory space, network bandwidth, and database connections. Therefore, by design, the CronJob is active only when required, which is when the Connector submits a translation job and expects translated content to return from the Lionbridge Content API Platform. When the CronJob is active, it polls the Lionbridge Content API Platform to update the job status and retrieve any translated content.
	At the start of each interval, the CronJob checks whether it is required to remain active. If it is not required, it de-activates internally. It automatically re-activates when there is a job to retrieve.
	You can change this interval so that the CronJob runs every 5 or 10 minutes.
	Note: If the Lionbridge Content API Platform is waiting for a message about translated content for a submitted job, and a network outage prevents this message from being delivered, the CronJob keeps polling the Lionbridge Content API Platform until the job is manually stopped.
	Tip: You can temporarily prevent this job from running and consuming resources, for example, if you are not currently sending out content items for translation. For detailed instructions, refer to the appropriate version of the Hybris documentation at https://wiki.hybris.com.

Setting	Description
Enable multiple deliveries	This optional setting enables receiving revisions of translated content and requires approval for received translations. ■ If this check box is selected: ▦ In the **Translation Status** column of the **Translation Jobs** page: ▪ The status of delivered projects is `Reviewing Translation`. ▪ The **Approve** button is displayed. ▦ You can click the **Approve** button to mark the job as complete, which prevents any re-deliveries. ▦ Multiple re-deliveries are allowed and processed into SAP Commerce until clicking the **Approve** button in the **Translation Jobs** page, which marks the job as complete. ■ If this check box is cleared (the default setting): ▦ In the **Translation Status** column of the **Translation Jobs** page, the status of delivered projects is `Completed`. ▦ There is no approval step. ▦ Multiple re-deliveries are not supported.

4. Click **Save Translation Settings**.

Note: Saving these settings creates and registers the `ctPerformable` CronJob with the interval you specified.

5.4 Mapping Language Codes

You map Hybris language codes to Lionbridge language codes in the **Language Mapping** section of the **System Configuration** page.

You must map the Hybris language codes to the Lionbridge language code for the source and target languages that you will use for translation. Otherwise, then Connector will not send out content for translation.

For a list of Lionbridge language code, see "Appendix: Language Codes" on page 54.

To map language codes:

1. Open the **System Configuration** page. For detailed instructions, see "Configuring the Lionbridge Connector" on page 25.

2. Locate the **Language Mapping** section of the **System Configuration** page.

> **Tip:** Depending on your screen size and resolution, you may need to scroll down to view this section.

3. Perform the following steps for each language to map:

   a. In the **Hybris Language Code** list, select the Hybris language code to map.

   > **Tip:** Languages that are already mapped are displayed in gray with a gray background. Languages that are not currently mapped are displayed in black with a white background.

   b. In the **Lionbridge language code** list, select the corresponding Lionbridge language code to map.

   c. Click **Add Language**.

   The list at the bottom of the section now displays the mapping you just added.
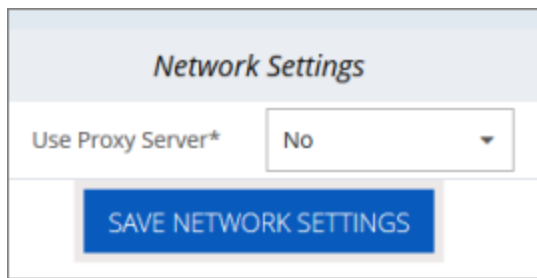

> **Tip:** To delete a language mapping, click the corresponding Delete button 🗑 .

5.5 Configuring Proxy Server Implementations

You can configure proxy server implementations of the Connector in the **Network Settings** section of the **System Configuration** page.

To configure a proxy server:

1. Open the **System Configuration** page. For detailed instructions, see "Configuring the Lionbridge Connector" on page 25.

2. Locate the **Network Settings** section of the **System Configuration** page.

> **Tip:** Depending on your screen size and resolution, you may need to scroll down to view this section.

3. In the **Use Proxy Server** dropdown list, select Yes.

The section expands.

4. Edit the following information:

Field	Description
Host	Required. The IP address or domain name for the proxy server.
Port	Required. The port number for the proxy server.
User	Optional. The username for authentication to the proxy server.
Password	Optional. The password for authentication to the proxy server.
NTLM Domain	Optional. The domain for authentication to the proxy server.

5. Click **Test Proxy Settings**.

6. If the test is successful, click **Save Network Settings**.

5.6 Configuring Attributes for Translation

There are two ways to configure business objects, sub-types, and localized attributes, including keywords, for translation:

■ For *all* business objects and sub-types in those objects, you can configure which localized `Item Type` attributes the Connector will send for translation, as described in "Configuring Business Objects, Sub-Types, and Localized Attributes" on page 35.

■ For business objects that are *Products*, you can configure the product classification attributes that the Connector will send for translation. All classification attributes belong to a category. When you add a product to a category, Hybris or SAP Commerce attaches those attributes to it. For more information about this feature, refer to the classification documentation at: https://help.sap.com/viewer/eb9d43275268474aa75793d699de709b/6.4.0.0/en-US/8b7aa49c86691014ae51c3b0d38cd87b.html. For Connector configuration instructions, see "Configuring Product Classification Attributes for Translation" on page 40.

5.6.1 Configuring Business Objects, Sub-Types, and Localized Attributes

In the **Content Mapping** page, you can configure which business objects and localized attributes and sub-types in those objects the Connector will send for translation. The **Mapped Content** section, on the right side of that page, displays all configured objects, localized attributes, and sub-types, including localized attributes of sub-types.

Important: You can configure only *localized* attributes for the Connector. If there are attributes you want to send out for translation that are not localized by default, you must configure them to be localized. For detailed instructions, refer to "Localized Attributes" in the *Internationalization and Localization Overview* in the SAP Commerce documentation, available at: https://help.sap.com/viewer/d0224eca81e249cb821f2cdf45a82ace/6.3.0.0/en-US/8bfc204086691014a345f64b08505839.html.

Note: In exceptional cases, configuring certain business objects and localized attributes, as described below, may not be sufficient to support the Connector sending them out for translation, and custom code may be required.

Tip: To translate content slot components, such as `CMSParagraphComponent`, you must map them.

To configure a localized attribute of a business object or sub-type so that the Connector can send it out for translation:
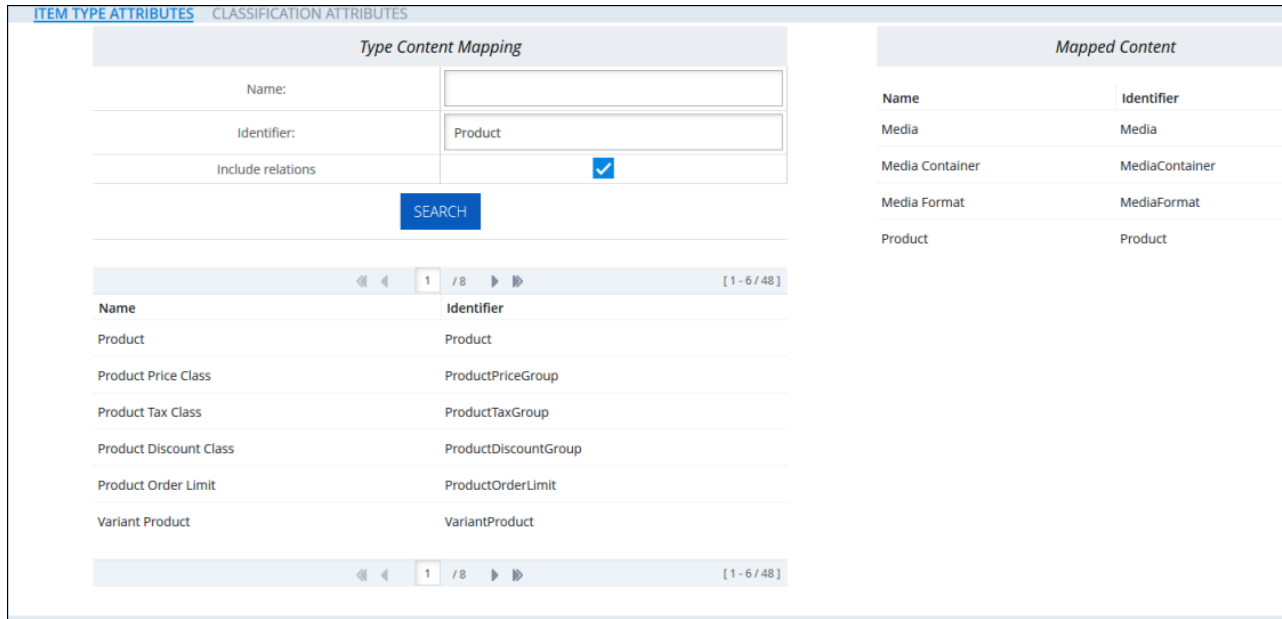
1. Do one of the following:

   ⠿ In Hybris:

      a. In your Web browser, navigate to `/backoffice/` on your Hybris instance.

      b. Log in to the Hybris Backoffice.

c. In the **Administration** menu, select **ConnectorConfig**.

▦ In SAP Commerce or SAP Commerce Cloud:

a. In your Web browser, navigate to `/backoffice/` on your SAP Commerce instance or on SAP Commerce Cloud.

b. Log in to SAP Commerce or SAP Commerce Cloud.

c. In the **Administration Cockpit** menu, select **ConnectorConfig**.

The **Item Type Attributes** tab of the **Content Mapping** page opens.

Type Content Mapping			Mapped Content	
			Name	**Identifier**
Name:			Media	Media
Identifier:	Product		Media Container	MediaContainer
Include relations	☑		Media Format	MediaFormat
SEARCH			Product	Product

	1 /8 [1 - 6 / 48]
Name	**Identifier**
Product	Product
Product Price Class	ProductPriceGroup
Product Tax Class	ProductTaxGroup
Product Discount Class	ProductDiscountGroup
Product Order Limit	ProductOrderLimit
Variant Product	VariantProduct

1 /8 [1 - 6 / 48]

▦ The **Type Content Mapping** section, on the left side of the tab, displays all the available business objects and sub-types.

▦ The **Mapped Content** section, on the right side of the tab, displays all business objects and sub-types, and their corresponding attributes, that have already been mapped.

The section footers display the total number of items in each list, and the total number of items displayed on this sub-page of the list.

▦ If there are more than seven items in the **Type Content Mapping** section, they are displayed in multiple sub-pages.

▦ If there are more than twelve items in the **Mapped Content** section, they are displayed in multiple sub-pages.

Tip: Use the sub-page nagivation arrows to navigate between sub-pages. To navigate among sub-pages, at the bottom of the list, click an arrow or enter the number of the sub-page to display.

2. In the **Type Content Mapping** section of the page, use the **Name** and/or **Identifier** fields at the top of the section to search for the business object or sub-type you want to be available for translation. By default, the **Include relations** check box is selected, so that `Relation` type attributes and types that contain only `Relation` type attributes to one level of recursion are also displayed. If you want to exclude these attributes and types from the search results, clear this check box. Then click **Search**.

Note: You can configure the number of recursion levels for the `Relation` type attributes and types that contain only `Relation` type attributes that are displayed in search results. For detailed instructions, see page 40.

The list below the **Search** button updates with the search results. For example, if you searched for business objects with the name `Product`, the list displays all matching results, which are objects or sub-types with `Product` in their name.

Name	Identifier
Product	Product
Variant Product	VariantProduct
Generic Variant Product	GenericVariantProduct
Apparel Product	ApparelProduct
Configured product	AbstractConfiguratorSetting
Product Carousel	ProductCarouselComponent
Product List Component	ProductListComponent

3. In the search results, click the row for the business object or sub-type to map.

A dialog box opens, displaying the object's or sub-type's localized attributes. The title of the dialog box is the object or sub-type.
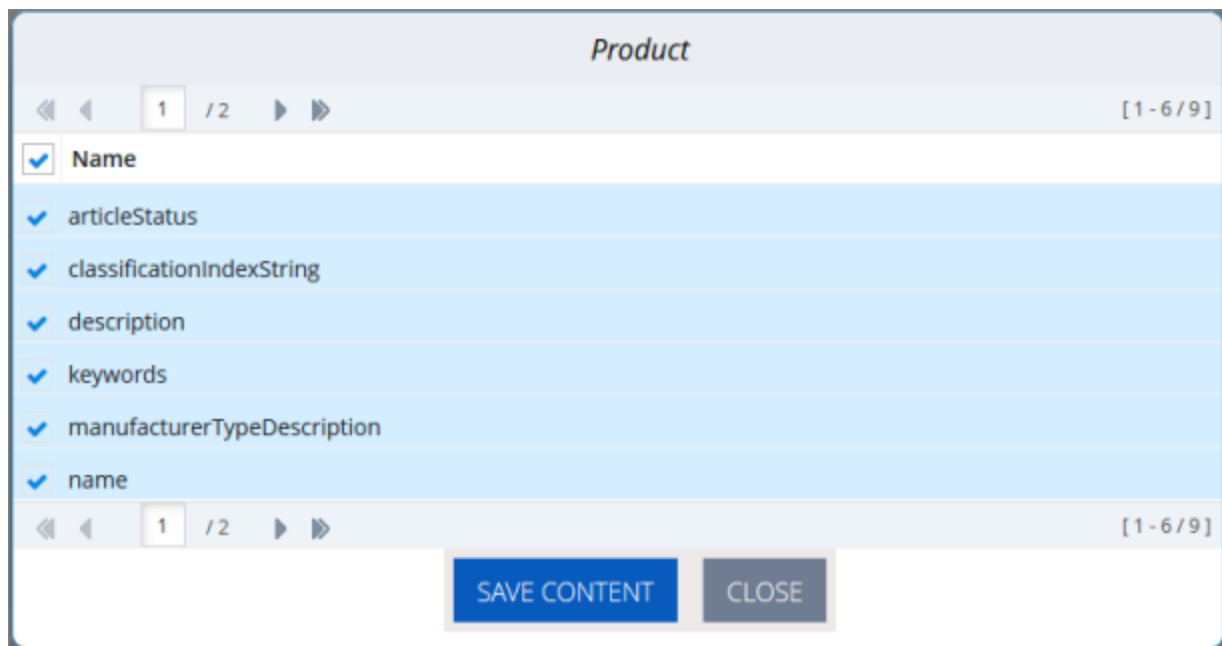
4. Configure the localized attributes for translation.

   a. Select the check boxes for the localized attributes to configure for translation.

      Tip: To select all check boxes, click the check box in the **Name** column header.

   b. Click **Save Content**.

      A message box states that the selected localized attributes were successfully saved.

   c. Click **OK** to close the message box.

Note: Use the above steps to add additional localized attributes to a previously configured business object or sub-type.

To edit or delete configured business objects or sub-types:

1. Do one of the following:

   ▪ In Hybris:

      a. In your Web browser, navigate to `/backoffice/` on your Hybris instance.

      b. Log in to the Hybris Backoffice.

      c. In the **Administration** menu, select **ConnectorConfig**.

   ▪ In SAP Commerce or SAP Commerce Cloud:

   a. In your Web browser, navigate to `/backoffice/` on your SAP Commerce instance or on SAP Commerce Cloud.

   b. Log in to SAP Commerce or SAP Commerce Cloud.

   c. In the **Administration Cockpit** menu, select **ConnectorConfig**.

The **Content Mapping** page opens. The **Mapped Content** section on the right side of the page displays all the previously configured business objects and sub-types.

2. Locate the configured business object to edit or delete, and click the corresponding row.

Tip: Use the sub-page nagivation arrows to navigate between sub-pages. To navigate among sub-pages, at the bottom of the list, click an arrow or enter the number of the sub-page to display.

A dialog box opens. The title of the dialog box is the object or sub-type.
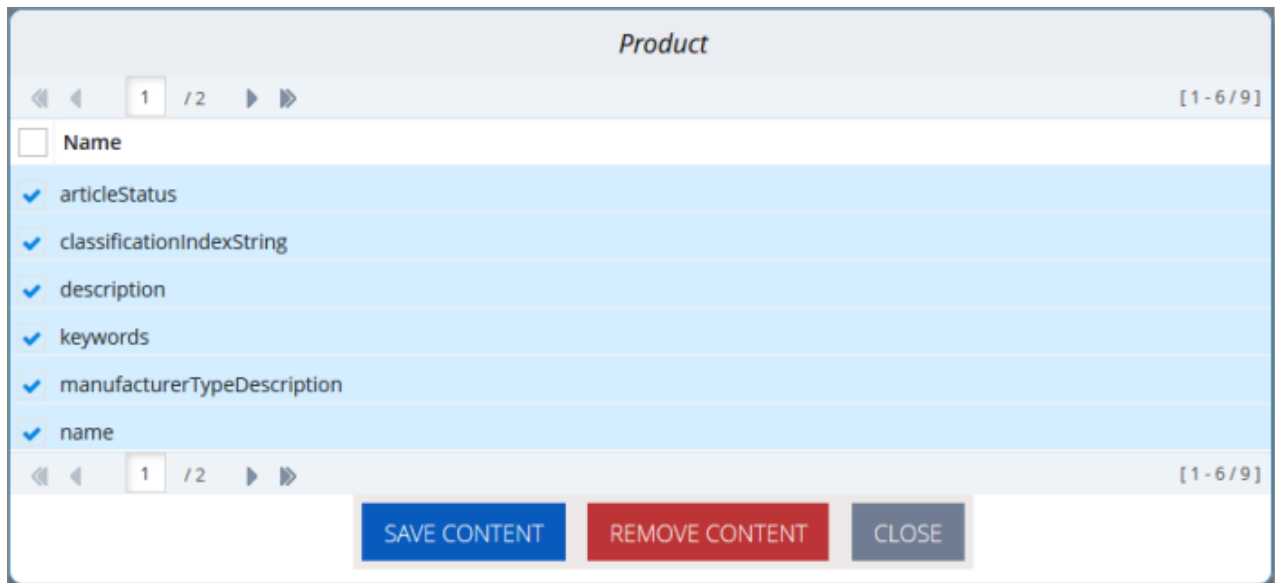
Tip: Use the sub-page nagivation arrows to navigate between sub-pages. To navigate among sub-pages, at the bottom of the list, click an arrow or enter the number of the sub-page to display.

3. Do one of the following:

   ▪ To edit the localized attributes to configure for translation, select or clear the appropriate check boxes, and then click **Save Content**.

   A message box states that the configuration was saved.

   ▪ To remove the object or sub-type from configuration for translation, cllick **Remove Content**.

   A message box states that the item was deleted.

5.6.1.1 Configuring the Number of Recursion Levels for Relation Type Attributes

You can configure the number of recursion levels for the `Relation` type attributes and types that contain only `Relation` type attributes that are displayed in search results in the **Item Type Attributes** tab of the **Content Mapping** page. For more information about this tab, see page 35.

By default, when the **Include relations** check box is selected, one level of recursion of the `Relation` type attributes is displayed in search results. However, you can change the number of levels of recursion of the `Relation` type attributes that is displayed in the search results.

Warning: Changing the default value of `1` to a larger number may produce large process-consuming tasks that can affect system performance.

To change the number of levels of recursion of the `Relation` type attributes:

1. Open `{HYBRIS_HOME}/hybris/bin/custom/ctcore/project.properties` for editing.

2. Locate the `contentextraction.requestsSourcesExtractionRecursivenessMaxDepth` parameter.

3. Change the value of this parameter to any integer.

   Note: The default value of this parameter is `1`.

4. Save your change.

5.6.2 Configuring Product Classification Attributes for Translation

For business objects that are *Products*, you can configure the product classification attributes that the Connector will send for translation. All classification attributes belong to a category. When you add a product to a category, Hybris or SAP Commerce attaches those attributes to it. For more information about this feature, refer to the classification documentation at:
https://help.sap.com/viewer/eb9d43275268474aa75793d699de709b/6.4.0.0/en-US/8b7aa49c86691014ae51c3b0d38cd87b.html.

To configure product classification attributes for translation:

1. Do one of the following:

   - In Hybris:

     a. In your Web browser, navigate to `/backoffice/` on your Hybris instance.

     b. Log in to the Hybris Backoffice.

     c. In the **Administration** menu, select **ConnectorConfig**.

   In SAP Commerce or SAP Commerce Cloud:

     a. In your Web browser, navigate to `/backoffice/` on your SAP Commerce instance or on SAP Commerce Cloud.

     b. Log in to SAP Commerce or SAP Commerce Cloud.

     c. In the **Administration Cockpit** menu, select **ConnectorConfig**.

   The **Item Type Attributes** tab of the **Content Mapping** page opens.

2. Click the **Classification Attributes** link in the top of the page to open the corresponding tab.
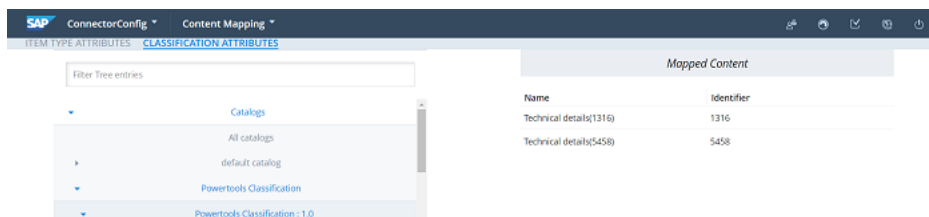
3. In the **Filter Tree** in the left pane, navigate in the catalogs and classification to select a classifying category. For example, navigate to: `Powertools Classification` classification system > `Powertools Classification: 1.0` classification system version > `Weight & Dimensions` classifying category.
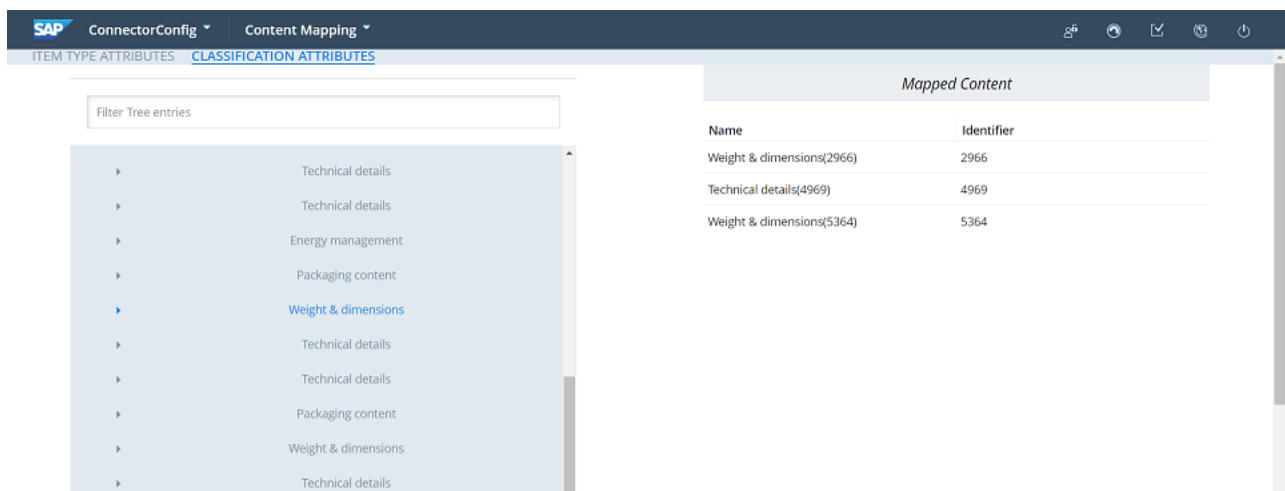

Note: In Backoffice, you can choose which classification to enable. For details, refer to the documentation, available

at: https://help.sap.com/viewer/eb9d43275268474aa75793d699de709b/6.4.0.0/en-US/8b7aa49c86691014ae51c3b0d38cd87b.html.

The Mapped Content pane on the right displays a list of all classification entries with attributes mapped.
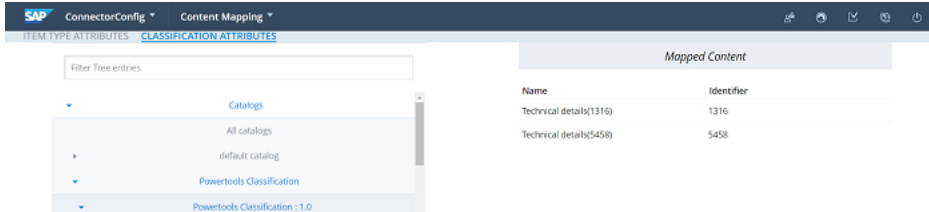
4. To map the classification attributes, so that the Connector can send them out for translation, navigate in the catalogs and classification to select the corresponding classifying category ,select the corresponding check box, or to select all classification attributes of the classifying category, select the check box in the Namecolumn header.
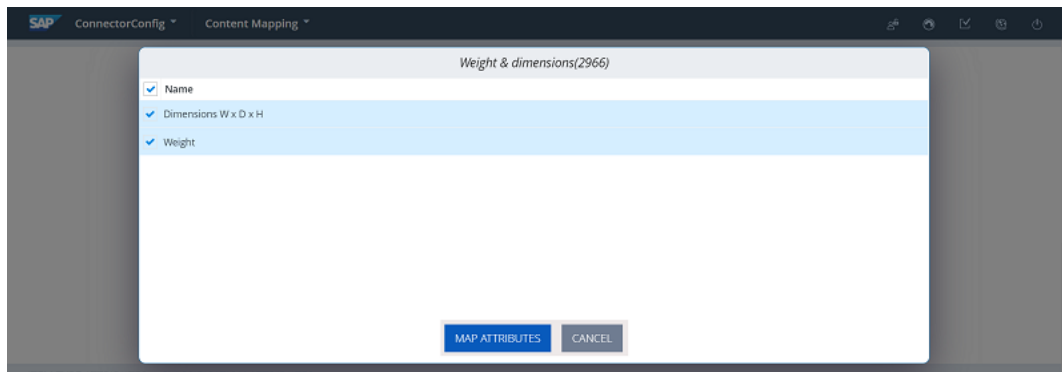
5. Click **Map Attributes**.

    A message box confirms that the configuration was saved.

6. Click **OK** to close the message box.

7. Repeat steps 3 through 6 for all the classification attributes to configure for translation.

5.7 Configuring the Multi-Select Feature in Hybris

In Hybris versions 6.1 and 6.2, if you want to select multiple products and website pages ("pages") for translation concurrently in the Hybris Backoffice, you must enable the multi-select feature by configuring the `multiSelect` setting, as described below:

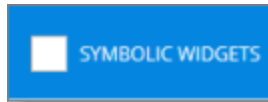**Note:** This feature is enabled by default in Hybris versions 6.3 and higher.

To enable the multi-select feature in Hybris versions 6.1 and 6.2:

1. Log into the Hybris Backoffice Administration Cockpit ("Backoffice").

2. Press the `F4` key.
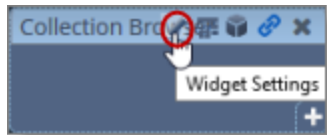
   The Application Orchestrator opens.

3. In the toolbar at the top, select the **Symbolic Widgets** check box.
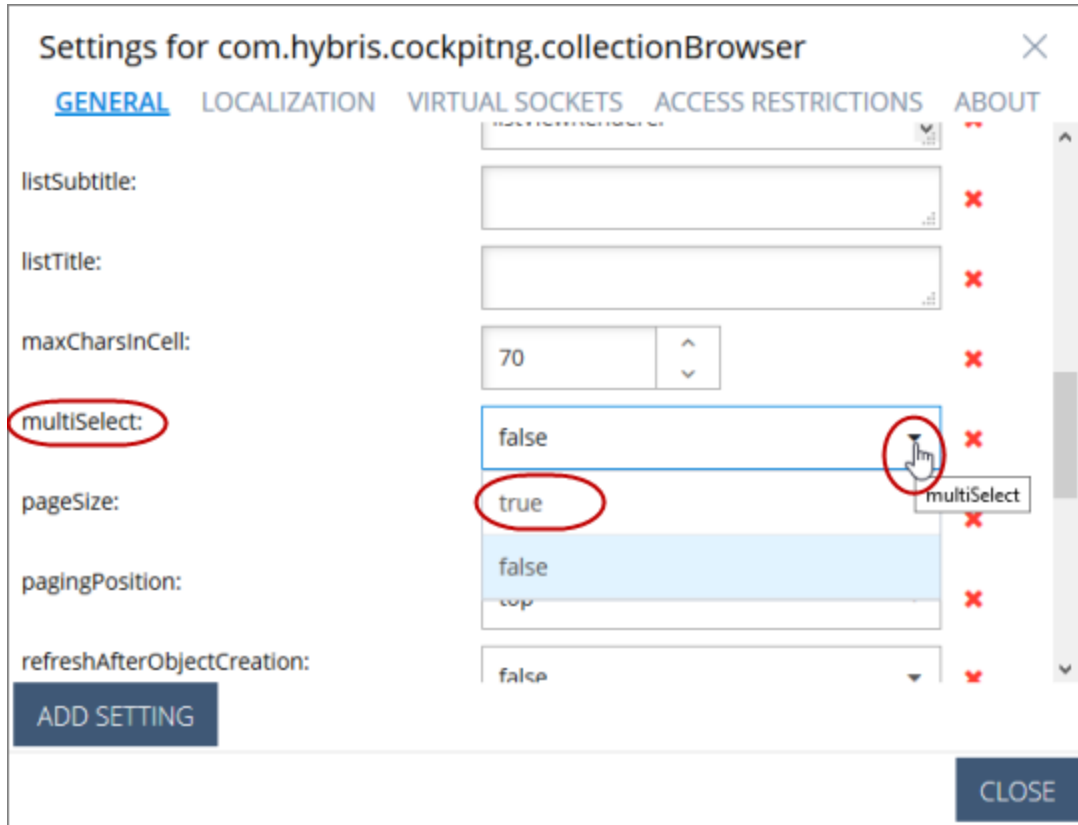

   The page updates.

4. Scroll down to locate the **Collection Browser**.

5. Click the Widget Settings icon of the **Collection Browser**.

   The **Settings** dialog box opens.

6. Scroll down to the **multiSelect** option, and in the corresponding dropdown list, select `true`.

7. In the bottom-right corner, click **Close** the dialog box.

8. Press the `F4` key to close the Application Orchestrator.

5.8 Configuring the Frequency of Sending Jobs to the Lionbridge Content API Platform

You can configure how frequently the Connector sends jobs to the Lionbridge Content API Platform.

The Connector uses the `ctTranslationJobProcessorPerformable` cron job to send translation jobs to the Lionbridge Content API Platform. This cron job runs by default every minute.

You may want to modify the interval that this job runs, depending on your priorities or requirements for system resources.

To modify the interval of the `ctTranslationJobProcessorPerformable` cron job:

▶ Navigate to the **Administration Cockpit > Background Processes > Cronjobs** section.

5.9 Configuring Email Settings

Starting from the Connector version 2.4.3, support for sending e-mail notifications is added. With this, an email notification is sent whenever a file passes through the translation events such as Job Submission, Job Received, and Job Errors. To receive these email notifications, users must configure the email notification settings.

To configure the email notifications in the application:

1. Go to **Administration** > **Connector Configuration** > **Content Mapping** > **System Configuration** > **Email Setting**.

2. Configure the following SMTP settings for the email address:

   - SMTP Host
   - SMTP Port
   - Need Authentication
   - [SMTP Auth] User
   - [SMTP Auth] Password
   - Transfer Protocol
   - Notification Email From
   - Notification Email To

   The Connector sends notifications to the email addresses specified in the **Notification Email To** field.

3. Click **EDIT MAIL SETTING**.

4. Click **SAVE MAIL SETTING**.

   After saving email settings, two new buttons (**CLEAR EMAIL SETTING**, **TESTING MAIL SETTING**) appear at the bottom of the Email Settings screen.

You can also configure a new email setting by clicking **CLEAR EMAIL SETTING**, which removes existing settings.

5.9.1 Testing an Email Setting

After the email setting is configured, test it to verify the configuration is successful and you are receiving a test email notification.

1. To test an email setting, click **TESTING MAIL SETTING** in the *Email Setting* screen. A dialogue box appears with a success message as follows:
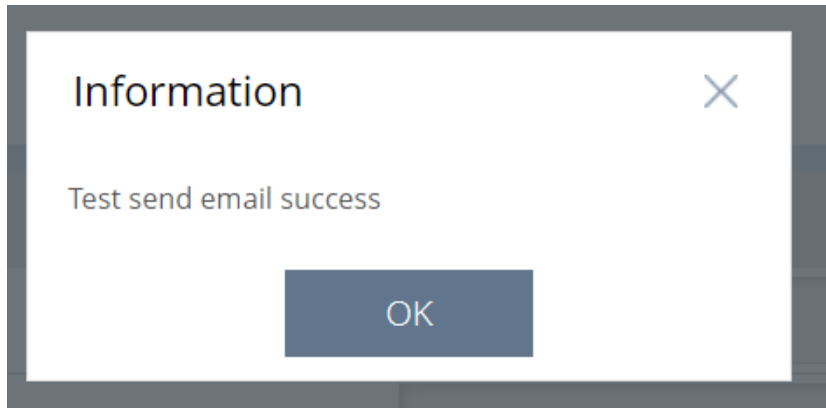
2. A test email notification will be sent to the email address specified in **Notification Email To** field. The following is an test email notification:
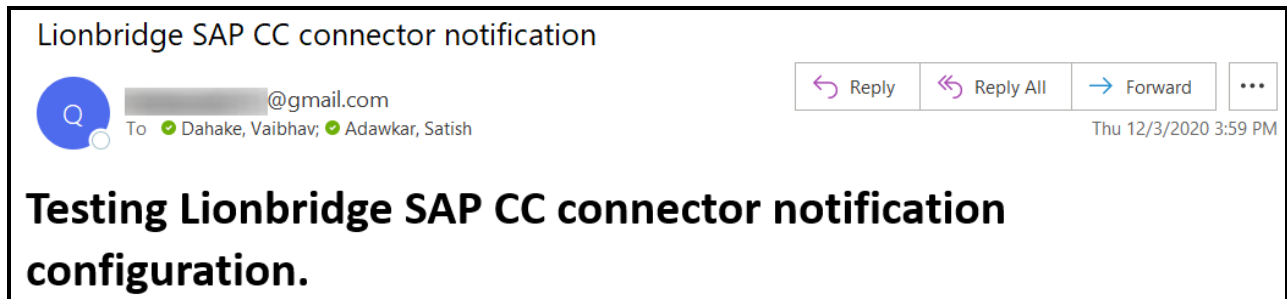
Similarly, the email notifications are sent when a translation is submitted, received, and has errors.

5.10 Configuring Translation URL Conversion Settings

When there are links in content for translation, and if you automatically want to update the links in the translated content, use Translation URL Conversion functionality.

To configure settings for Translation URL Conversion in translated content:

1. Go to **Administration** > **Connector Configuration** > **Content Mapping** > **System Configuration** > **Translation URL Conversion**> click **Add URL Conversion**.

2. Specify the following URL conversion settings for a target language:

    ▪ **URL**—Enter the base URL of the links in the source content. For example, http://example.com

    ▪ **To**—Enter the desired base URL for the links in the target (translated) content, for example, http://ja-jp.example.com

    ▪ **For**—Select the target language code for applying this URL conversion rule.

- **Rule**—Select any of the following options:

  - **Full**—Select this to convert the URL only if it is identical to the base URL specified.

    For example:

    URL: www.google.com and **To**: www.google.it

  - **Partial**—Select this to convert the **URL** that includes the base URL specified.

    For example:

    URL: www.google.com and **To**: http://www.google.com/content/us/en

- **IsConvertLinkText**—Select any of the following options:

  - **Yes**—Select this for converting the link text along with the URL.

  - **No**—Select this for not converting the link text.
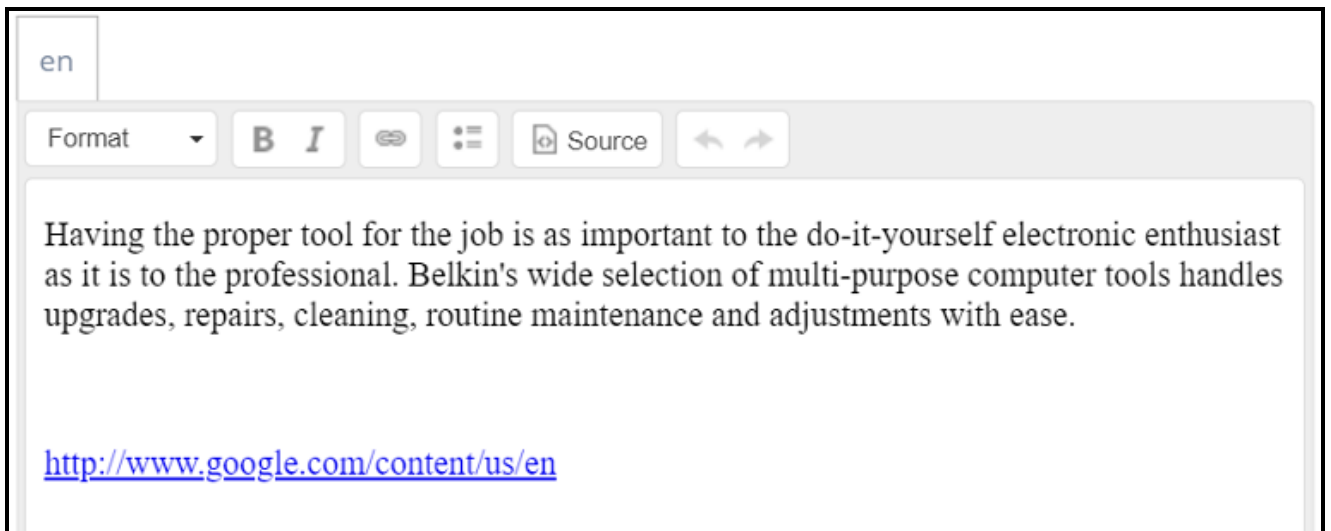
  The following are the examples for Full and Partial URL conversion.

  Full URL conversion example:

  Settings:

  ## URL Conversion Rule

Url:	http://www.google.com/content/us/en
To:	http://www.google.com/content/fr/fr
For:	fr ▼
Rule:	Full ▼
IsLinkText:	Yes ▼

  SAVE   CLOSE

  Source:

en

| Format ▾ | **B** *I* | ⊕ | ☰ | ◻ Source | ↶ ↷ |

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http://www.google.com/content/us/en

Target:

fr

| Format ▾ | **B** *I* | ⊕ | ☰ | ◻ Source | ↶ ↷ |

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http://www.google.com/content/fr/fr

Partial URL conversion example:

Settings:

Source:

Target:

it

| Format ▾ | **B** *I* | 🔗 | ☰ | </> Source | ↶ ↷ |

http://www.exal.it/back/office

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informatici, la custodia è realizzata in vinile ed è
dotata di cerniera per tenere tutto in un unico posto.

6 Pre-Production Testing

After you complete the configuration, your Lionbridge Connector for Hybris 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 Connector for Hybris 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 .

7 Appendix: Language Codes

For detailed instructions on mapping Hybris languages to Lionbridge languages, see "Mapping Language Codes" on page 31.

The Lionbridge Connector has the following language codes:

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

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

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

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

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

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

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

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

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

8 Appendix: API for Automatic Translation Jobs Creation

Lionbridge Connector for SAP Commerce supports an API to create translation job programmatically using the `defaultCtProducerClient` bean:

```
/**

* The bean creates a Translation Job that will be sent by the connector's cron job. Example usage in psuedo-code:
  *
  * ctproducerclient = spring.getBean("defaultCtProducerClient");
  * modelService = spring.getBean("modelService");
  * for (...) {
  * //... gather a list of items
  * long examplePK = 8796093251585L;
  * item = modelService.get(PK.fromLong(examplePK));
* items.add(item)
  * }
* provider = ctproducerclient.getProviderByName("WorldServer
Test");
* ctproducerclient.createJobFromItemModels("test job", "this is a
test", null, "123456", null, provider.getId(), "en", {"fr", "es"},
items);
*
* @param jobName Name of translation job
* @param jobDescription Description of the job
* @param dueDate Due date. Optional.
* @param poReference Purchase Order reference. Optional.
* @param sourceLanguage Source language code (Hybris)
* @param targetLanguages List of target language codes (Hybris)
* @param lspId ID of TranslationProvider. See getProviderByName
(String providerName)
* @param itemsToTranslate List of Hybris ItemModels to translate.
Can be retrieved using
* ModelService or FlexibleSearchService, for example.
*/
```

```
void createJobFromItemModels(
final String jobName, final String jobDescription,
final Date dueDate, final String poReference,
final String sourceLanguage, final String[] targetLanguages,
final String lspId, List<ItemModel> itemsToTranslate);
```

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