

Lionbridge

Lionbridge Connector for Episerver

Installation and Configuration Guide

Episerver 10

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1 Welcome to the Lionbridge Connector for Episerver

Welcome to the Lionbridge Connector for Episerver (Connector). This is Lionbridge's connector between Episerver and the Clay Tablet Platform.

1.1 Terminology

Amazon AWS	Amazon Web Services. A suite of web application products developed and sold by Amazon.com. Clay Tablet uses various AWS offerings in order to leverage their infrastructure and build rich, dynamic solutions for its customers, specifically, the Clay Tablet Platform. For details, see http://aws.amazon.com .
Amazon S3	Amazon Simple Storage Service. For details, see: http://aws.amazon.com/s3/ . The Connector and the Clay 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 Connector uses Amazon SQS to provide Message Queue Services.
Asset	Any content or document being sent for translation, including metadata. Assets are created by the Connector.
Clay Tablet (CTT)	Clay Tablet Technologies, a Lionbridge company, and the corporate entity that publishes the Clay 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. Clay Tablet Technologies configures the Platform based on the number and nature of systems involved in your system architecture.
Episerver	The Episerver CMS (Content Management System). For more information, see: http://www.episerver.com/
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	<p>The Connector uses keys to establish a secure, discrete connection between the Connector instance and the Platform.</p> <p>Very important: Do not copy the CMS address keys to multiple Episerver instances, because this is a violation of the Clay Tablet License Agreement. Using the same CMS address keys on multiple Episerver instances will cause the Connector to behave unexpectedly, which can result in lost translation content, orphaned projects, and inaccurate translation status reports. Clay Tablet will only support technical issues caused by duplicating or incorrectly installing CMS address keys on a time and materials basis.</p>
Lionbridge	The publisher of the connector, 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 Episerver (Connector)	The connector software that Lionbridge provides, which plugs into your Episerver installation to provide connectivity to the 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.
NuGet	Open source package manager for the Microsoft development platform. For more information, see: http://www.nuget.org/
On-Premise Platform	A version of the Clay Tablet Platform that is hosted and managed by the Clay Tablet client, instead of hosted on AWS by Clay Tablet.
Producer	CMS or another content system that sends content or documents out for translation. In this case, this is Episerver.
Provider	A provider of translation services. The delivery of assets to the provider may be via an FTP server or a TMS connector.
Scheduled Job	Episerver functionality to run scheduled jobs. These can be run repeatedly with a specified interval or started manually.
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 Translation Platform

Clay Tablet Technologies is a Lionbridge company that specializes in translation management.

Clay Tablet's 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.

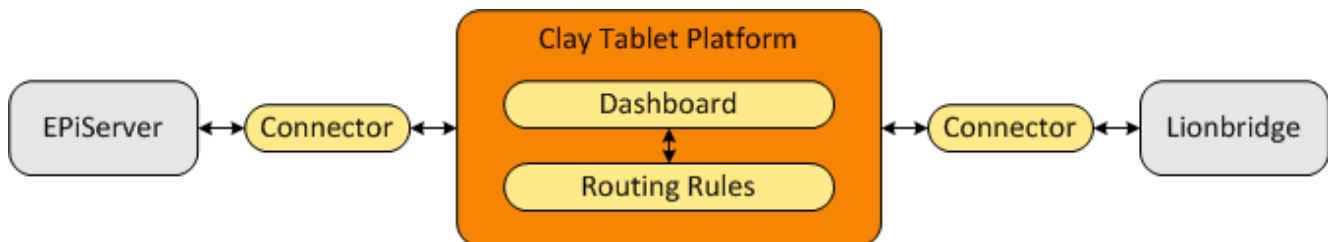
Clay Tablet Platform is the hosted (IaaS) connectivity platform that receives and routes content from content management systems to translation providers and back. It is hosted on Amazon Web Services (AWS). During implementation, Clay Tablet Technologies configures the Platform for your translation solution, 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 Connector Works with Episerver

The Lionbridge Connector (Connector) is an important part of the Clay Tablet translation solution.

The Connector is installed on your system as an add-in to Episerver, through a NuGet installation package. Its functionality is displayed to the users as part of Episerver.



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, Clay Tablet 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 Connector (Connector) for Episerver. 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 Episerver administrators and system integrators.

What you should already know

This document assumes that your company already has an installed instance of Episerver. It also assumes that Lionbridge is your company's translation provider, and the Clay Tablet Platform is already set up for your company. It assumes that you have a strong working knowledge of Episerver.

How to find out more about the Lionbridge Connector for Episerver

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

Documentation conventions

This guide uses the following conventions:

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

1.5 How to Contact Clay Tablet Support

Email @: support@clay-tablet.com

Telephone: +1-416-363-0888

How to submit a support ticket:

1. Email support@clay-tablet.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 following sub-sections.

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, Clay Tablet closes the ticket.

Information to include in the 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.
- Lionbridge log files(LionbrideErrors.log) for the date the issue occurred.
- Screen capture of the issue

How to view and update your support ticket in Zendesk:

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

1. Open the Clay Tablet Zendesk page in your browser: <https://claytablet.zendesk.com>.
2. In the top-right corner, click **Sign in**, and enter your credentials.

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

Sign in to Clay Tablet Technologies

Email

Password

Stay signed in

Sign in

Your credentials will be sent over a secure connection

Cancel

I am an Agent

Forgot my password

New to Clay Tablet Technologies? [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.

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.

2 Before You Install

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

- Back up your Episerver database.
- If you received the Connector as a NuGet package (with file extension `.nupkg`) directly from Lionbridge, ensure that it is saved to a location that is accessible during the installation process. Alternatively, you can download the package directly from the Episerver NuGet feed, using the NuGet Package Manager Console. For details, see "[Installing the Lionbridge Connector](#)" on page 11.

2.1 System Requirements

The Lionbridge Connector for Episerver supports Episerver versions 7.5 or higher, including all current releases. The Lionbridge Connector for Episerver has no additional hardware or software requirements beyond those of Episerver. For detailed requirements, refer to the Episerver documentation, available at: <http://world.episerver.com/documentation>.

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

The Connector 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 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 Clay Tablet Platform. The Connector must be able to communicate with the Clay Tablet Platform by initiating the following outbound network connections:

Protocol	Port Number	Description	Location
HTTP	Port 80	For access to Amazon's AWS S3 XML namespace and XSD file	http://s3.amazonaws.com
HTTP	Port 80	For access to Amazon's AWS SQS XML namespace and XSD file	http://queue.amazonaws.com
HTTPS	Port 443	For secure access to Amazon's AWS S3 service	https://s3.amazonaws.com
HTTPS	Port 443	For secure access to Amazon's AWS SQS service	https://queue.amazonaws.com

3 Installing the Lionbridge Connector

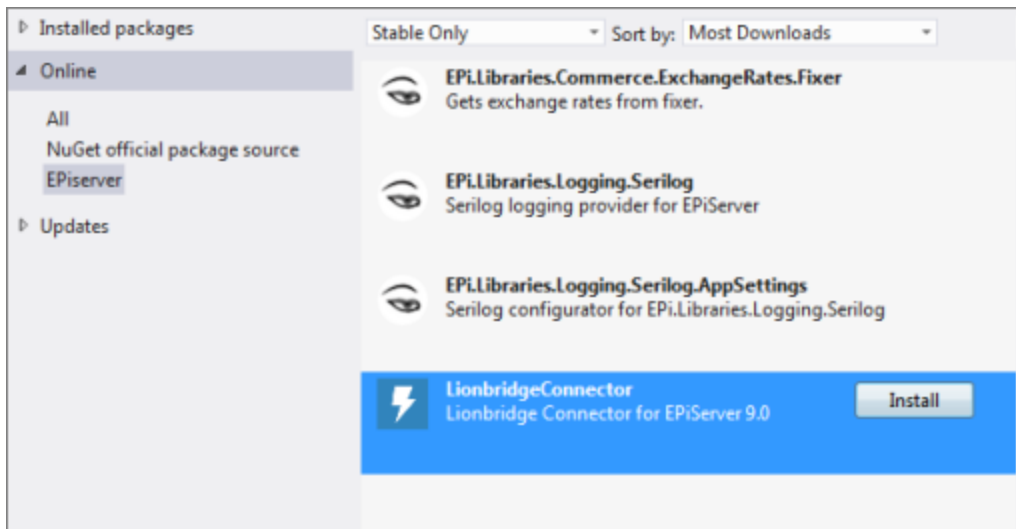
Important: Before installing the Connector, back up the Episerver databases.

You use Visual Studio NuGet to install the Connector package. There are two ways to install the Connector, depending on whether you received the installation package directly from Lionbridge or you will download it from the Episerver NuGet feed.

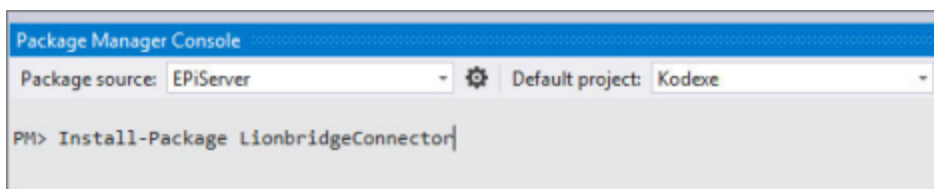
To download and install the Connector:

Important: Follow these instructions if you *did not* receive the Connector as a NuGet package (with file extension `.nupkg`) directly from Lionbridge.

1. In Visual Studio, open the NuGet Package Manager Console.
2. Do one of the following:
 - In the left pane, select **Online > Episerver**. Then select the **LionbridgeConnector** package, and click **Install**.



- In the command line, type: `Install-Package LionbridgeConnector`.



To install the Connector:

Important: Follow these instructions if you received the Connector as a NuGet package (with file extension `.nupkg`) directly from Lionbridge.

1. In Visual Studio, open the NuGet Package Manager Console.

2. Type the following command in the command line:

```
Install-Package LionbridgeConnector -source [Folder where the .nupkg file is located. i.e. c:\LionbridgeConnector]
```

3.1 Upgrading the Connector

If you have the Lionbridge Connector installed and are upgrading to a newer version then you should simply follow the steps below:

Using the Nuget site:

1. In Visual Studio, open the NuGet Package Manager Console.
2. In the command line, type:

```
Update-Package LionbridgeConnector
```

Using NuGet package (with file extension .nupkg) directly from Lionbridge:

1. In Visual Studio, open the NuGet Package Manager Console.
2. In the command line, type:

```
Update-Package LionbridgeConnector -source [Folder where the .nupkg file is located. i.e. c:\LionbridgeConnector]
```

3.2 Uninstalling the Connector

Before uninstalling the Connector make sure that the site is stopped in Visual Studio.

1. In Visual Studio, open the NuGet Package Manager Console.
2. Type the following in the command line:

```
Remove-LionbridgeConnector
```

The Lionbridge Connector will now have been successfully uninstalled.

4 Configuring the Connector

After installing the Connector, you configure the following settings:


1. "Adding the Lionbridge Connector Gadget" on page 13.
2. "Activating the Scheduled Job and Setting the Run Interval" on page 14.
3. "Activating Background Jobs" on page 15
4. "Configuring Target XML and Source XML" on page 16.
5. "Configuring Language Mapping" on page 17.
6. "Configuring Logging" on page 19.

Important: While testing your installation, back up the Episerver database before sending out a project for translation. After confirming that your installation is stable, back up the database daily.

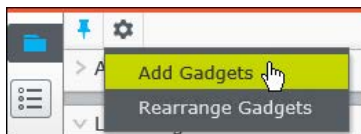
4.1 Adding the Lionbridge Connector Gadget

1. In Episerver **CMS**, click **Edit**.



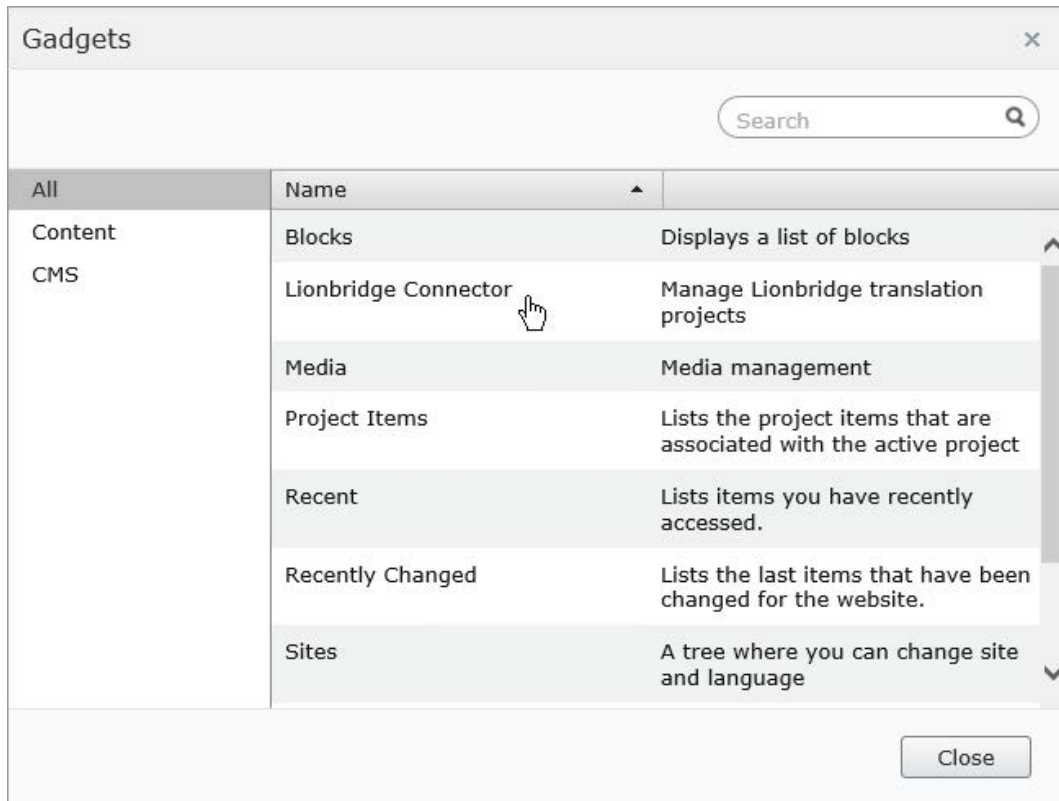
2. Click the **Toggle assets pane** icon  .
The Assets pane is displayed on the right.

3. In the Assets pane, select **Settings**  > **Add Gadget**.



The **Gadgets** window opens.

4. Click the **Lionbridge Connector**.

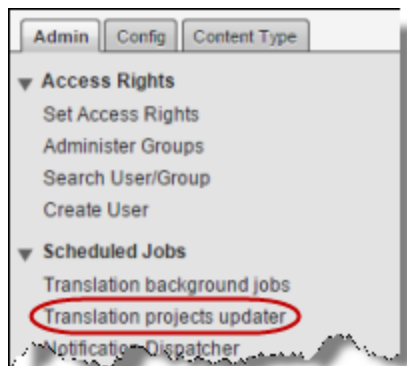


4.2 Activating the Scheduled Job and Setting the Run Interval

1. In Episerver **CMS**, click **Admin**.



2. In the left pane, in the Scheduled Jobs section, click **Translation projects updater**.



The **Translation projects updater** page opens, displaying the Connector scheduled job.

Translation projects updater

Updates translation projects

Settings History

Active

Scheduled job interval: 10 minute

Next scheduled date: 2018-04-18 07:20

Save Start Manually

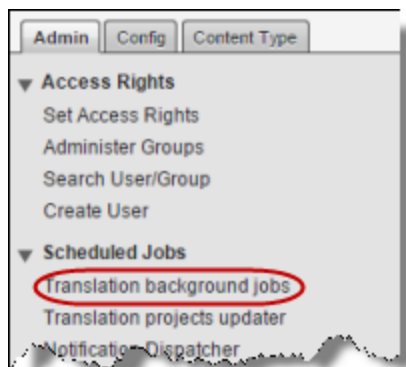
3. Select the **Active** check box to activate the job.
4. Specify the **Scheduled job interval**.
5. Click **Save**.

4.3 Activating Background Jobs

1. In Episerver **CMS**, click **Admin**.



2. In the left pane, in the Scheduled Jobs section, click **Translation background jobs**.



The **Translation background jobs** page opens.

Translation background jobs

Runs time consuming actions on user actions on translation projects

Settings
History

Active

Scheduled job interval: minute

Next scheduled date: ...

Save
Start Manually

3. Select the **Active** check box.
4. Specify the **Scheduled job interval**, for example, 30 minutes.
5. Click **Save**.

4.4 Configuring Target XML and Source XML


Before you can use the Connector, you must configure `source.xml` and `target.xml`. These are available with your Lionbridge license. Ensure that you have this information before proceeding.

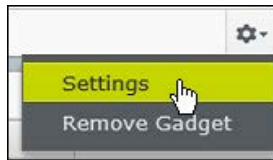
- The Connector uses the CMS address key, which is in `source.xml`, to move the files your company exports from Episerver to the Clay Tablet Platform. The Platform then forwards your exported files to your translation provider. If you have multiple Episerver installations, there must be one key (file) for each environment. If you are using multiple translation providers, there must be one key (file) for each provider. **Very important:** Do not copy the CMS address keys to multiple Episerver instances, because this is a violation of the Clay Tablet License Agreement. Using the same CMS address keys on multiple Episerver instances will cause the Connector to behave unexpectedly, which can result in lost translation content, orphaned projects, and inaccurate translation status reports. Clay Tablet will only support technical issues caused by duplicating or incorrectly installing CMS address keys on a time and materials basis.

Note: The Connector always initiates calls to the Clay Tablet Platform. However, the CMS address keys enable establishing a secure, discrete connection between the Connector instance and the Platform. They also support the return of files from translation.

- Your company's platform key is in `target.xml`. This is your company's license for the Clay Tablet Platform.

To configure `source.xml` and `target.xml`:

1. In the bottom-right corner of the Lionbridge Connector gadget in the right pane, select **Settings**  > **Settings**.




2. In the **Workspace settings**, edit the **Target XML** and **Source XML** fields.

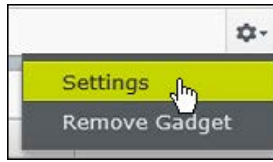


4.5 Configuring Language Mapping

You map Episerver languages to Clay Tablet languages in the `language_mapping.xml` file.

To configure language mappings:

1. In the bottom-right corner of the Lionbridge Connector gadget in the right pane, select **Settings**  > **Settings**.



- In the **Workspace settings**, edit the **Language Mapping XML** field to map each Episerver language code to the corresponding Clay Tablet language code. For a list and description of Clay Tablet language codes, see "[Appendix: Language Codes](#)" on page 21.

For example:

```
<Languages>
  <Language>
    <EPiServer>sv</EPiServer>
    <ClayTablet>sv-SE</ClayTablet>
  </Language>
  <Language>
    <EPiServer>da</EPiServer>
    <ClayTablet>da-DK</ClayTablet>
  </Language>
</Languages>
```

Note: If you leave this section empty, the Connector will use the default values.

4.6 Grouped Asset Handling

In the **Workspace settings**, near the bottom, there is a check-box entitled "**Use grouped asset handling**".



It is highly recommended that you check this box as default. Having this checked will send the **Pages & Blocks** that you have selected for your **Translation Job** in one file per language. If you do not check this box then each file and each block will be sent in separate xml files.

4.7 Configuring Logging

You can activate full verbose logging for the Connector. This is useful for identifying errors.

To configure logging:

1. Append the following to `EPiServerLog.config`:

```
<appender name="lionbridgeFileLogAppender"
type="log4net.Appender.RollingFileAppender" >
  <!-- Consider moving the log files to a location outside the web application -
  ->
  <file value="App_Data\LionbridgeErrors.log" />
  <encoding value="utf-8" />
  <staticLogFileName value="true"/>
  <datePattern value=".yyyyMMdd.'log'" />
  <rollingStyle value="Date" />
  <threshold value="Verbose" />
  <lockingModel type="log4net.Appender.FileAppender+MinimalLock" />
```

4 Configuring the Connector

```
<appendToFile value="true" />
<layout type="log4net.Layout.PatternLayout">
  <conversionPattern value="%date [%thread] %level %logger: %message%n" />
</layout>
</appender>
```

2. Add the following logger:

```
</logger>
<logger name="Lionbridge" additivity="false">
  <level value="Verbose" />
  <appender-ref ref="lionbridgeFileLogAppender" />
</logger>
```

The generated log file is: `\App_Data\LionbridgeErrors.log`.

5 Troubleshooting

Problem	Explanation/Solution
Translation projects are stuck at 0% after sending them for translation.	Ensure that the scheduled job has been activated. For detailed instructions, see " Activating the Scheduled Job and Setting the Run Interval " on page 14.
The Connector does not send out custom properties for translation.	The Connector supports sending for translation only custom properties that inherit from the <code>PropertyLongString</code> and <code>PropertyString</code> classes.

6 Appendix: Language Codes

For detailed instructions on mapping Episerver language codes to Clay Tablet language codes for every language your company uses for translation, see "[Configuring Language Mapping](#)" on page 17.

The Connector has the following 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"

Type	Language Identifier	Language Code
String	English_Belize	"en-BZ"
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"

Type	Language Identifier	Language Code
String	French_Cameroon	"fr-CM"
String	French_Canada	"fr-CA"
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"

Type	Language Identifier	Language Code
String	German_Switzerland	"de-CH"
String	Greek	"el-GR"
String	Guarani	"gn-PY"
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"

Type	Language Identifier	Language Code
String	Kyrgyz	"ky-KZ"
String	Lao	"lo-LA"
String	Latin	"la-XL"
String	Latvian	"lv-LV"
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"

Type	Language Identifier	Language Code
String	Pushto	"ps-AF"
String	Quechua_Ecuador	"qu-EC"
String	Quechua_Peru	"qu-PE"
String	Rhaeto_Romance	"rm-IT"
String	Romanian	"ro-RO"
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"

Type	Language Identifier	Language Code
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"
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"

Type	Language Identifier	Language Code
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"
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"