



Clay Tablet Connector for EPiServer

Installation and Configuration Guide

Version 1.2

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1 Welcome to the Clay Tablet Connector for EPiServer

Welcome to the Clay Tablet Connector for EPiServer ("Connector"). This is Clay Tablet'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, the corporate entity that publishes the Clay Tablet Connector and the Clay Tablet Platform.
Clay Tablet Connector for EPiServer ("Connector")	The connector software that Clay Tablet Technologies has developed and provides, which plugs into your EPiServer 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.
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	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 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.
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.
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'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.

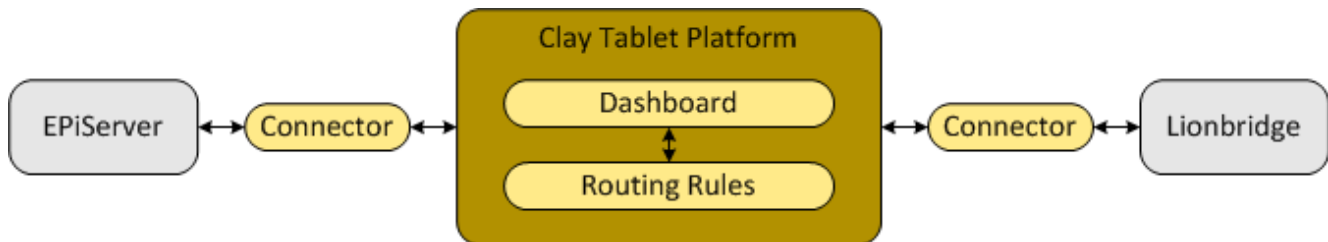
Clay Tablet Platform is the hosted (IaaS) connectivity platform that receives and routes content from content management systems to translation providers and back, including to Lionbridge via Freeway. It is hosted on Amazon Web Services (AWS). During implementation, Clay Tablet Technologies configures 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 Clay Tablet 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 Clay Tablet 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 Clay Tablet 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 Clay Tablet Connector for EPiServer

For information on using the Clay Tablet Connector to send and receive content for translation from EPiServer, read the *Clay Tablet 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.
<code>Courier</code>	Highlights input, file names, and paths.
<i>Italics</i>	Highlights terms for emphasis, variables, or document titles.
>	Indicates a menu choice. For example, "Select Edit > Select All ."

1.5 How to Contact Clay Tablet Support

Email @: support@clay-tablet.com

Telephone: +1-416-363-0888 option "3"

2 Before You Install

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

- Back up your EPiServer database.
- Ensure that you received the Connector as a NuGet package (with file extension `.nupkg`) and that it is saved to a location that is accessible during the installation process.

2.1 System Requirements

The Clay Tablet Connector for EPiServer supports EPiServer versions 7.5 or higher, including all current releases.

The Clay Tablet 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>.

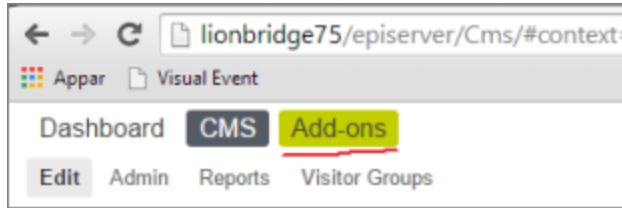
3 Installing the Clay Tablet Connector

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

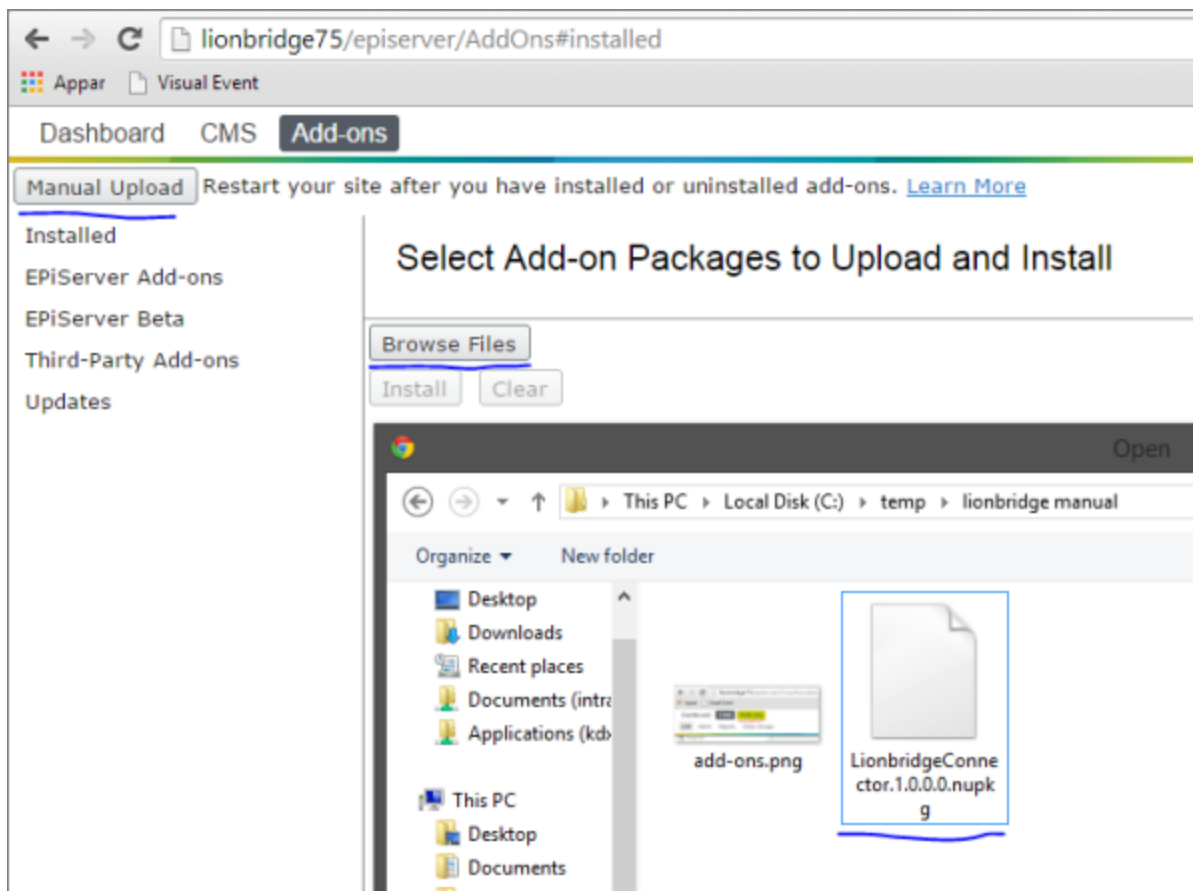
You use the NuGet package to install the Connector.

To install the Connector:

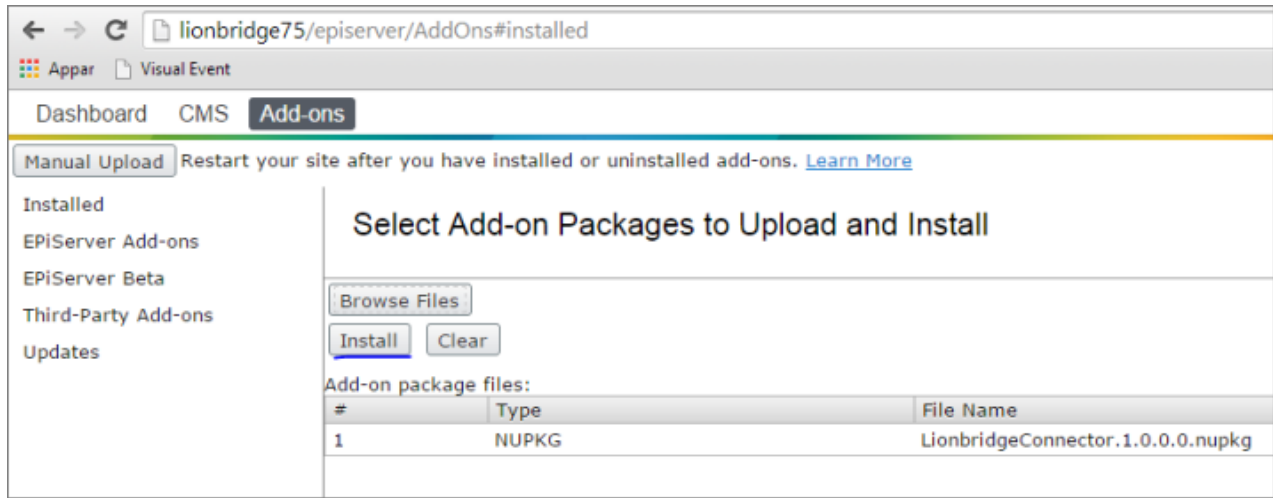
1. In the EPiServer top menu, click **Add-ons**.



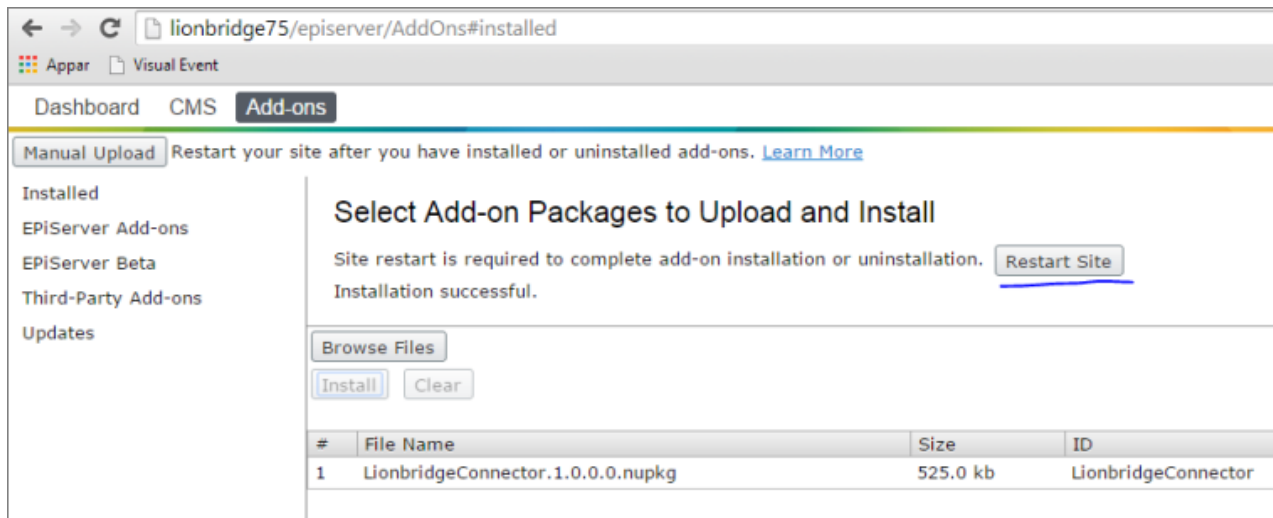
2. Click **Manual Upload**, browse to the .nupkg file and select it.



3. Click **Install**.



4. Click **Restart Site**.

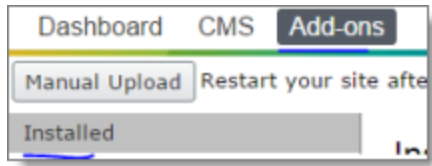


3.1 Uninstalling the Connector

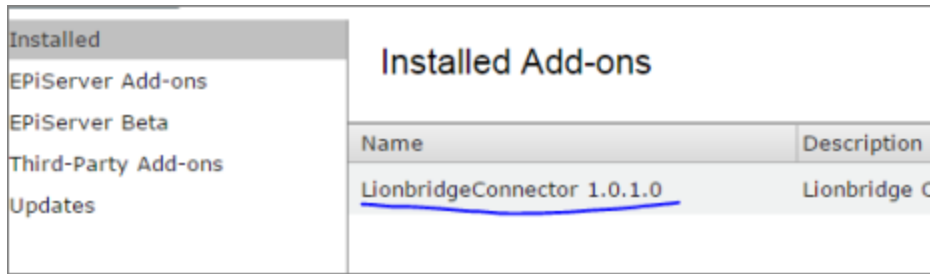
If necessary, you can uninstall the Connector via the EPI Server Add-on store.

To uninstall the Connector:

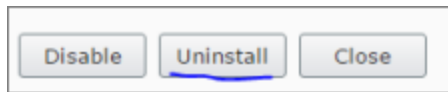
1. Click **Add-ons > Installed**.



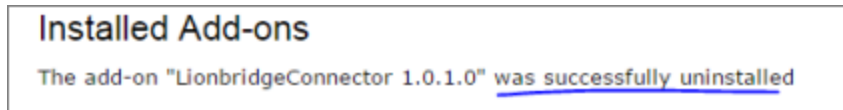
2. Click **LionbridgeConnector**.



3. Click **Uninstall** and click **Yes** to confirm.



4. Ensure you receive confirmation that the uninstallation was successful.



4 Configuring the Connector

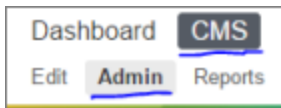
After installing the Connector, you configure the following settings:

1. "[Activating the EPiServer Scheduled Job and Setting the Run Interval](#)" on page 12.
2. "[Adding the Clay Tablet EPiServer Connector Gadget](#)" on page 13.
3. "[Configuring Target XML and Source XML](#)" on page 14.
4. "[Configuring Logging](#)" on page 16.

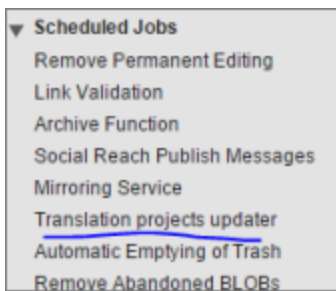
Important: While testing your installation, back up the EPiServer database before sending out a project for translation. After confirming that your installation is stable, back up the database daily.

4.1 Activating the EPiServer Scheduled Job and Setting the Run Interval

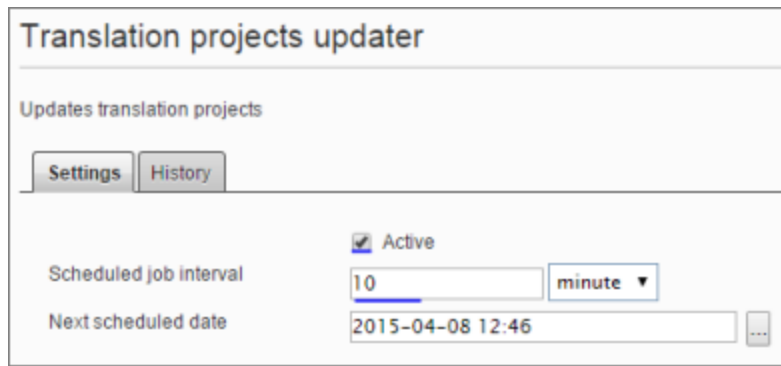
1. Clicking **CMS > Admin** to open the **EPiServer Admin** section.



2. Click **Translation Projects Updater** to open the EPiServer Clay Tablet Connector scheduled job.



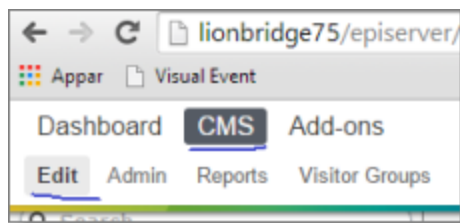
3. Click the **Active** check box to activate the job and specify the **Scheduled job interval**.



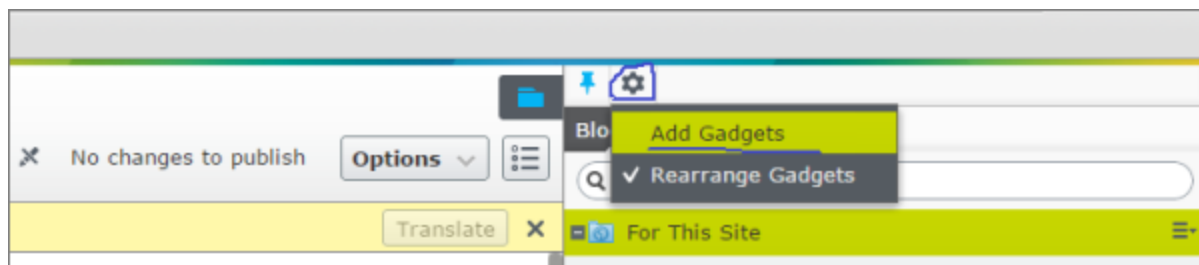
4. Click **Save**.

4.2 Adding the Clay Tablet EPiServer Connector Gadget

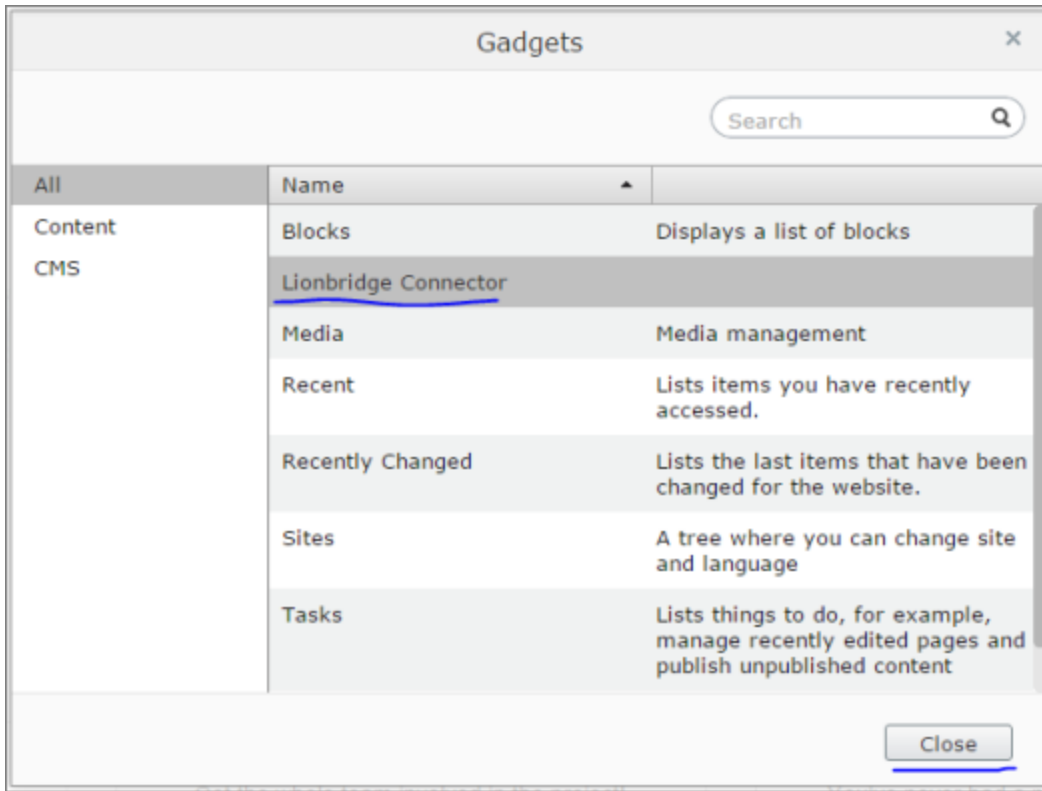
1. In the top menu, click **CMS > Edit**.



2. To add the gadget, in the right pane, click the cogwheel icon. Then click **Add Gadget** in the context menu.



3. Click the **Lionbridge Connector**.



4.3 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.

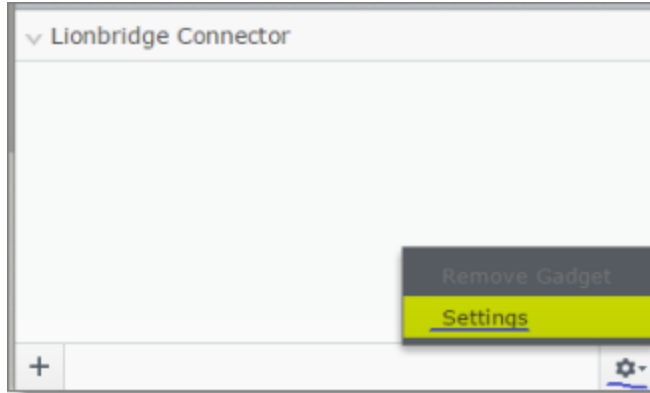
- The Connector uses the CMS address key, which is in `source.xml`, to move the files your company exports from EPiServer to the Clay Tablet Platform. The Platform then forwards your exported files to your translation provider. If you have multiple hybrid installations, there must be one key (file) for 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.

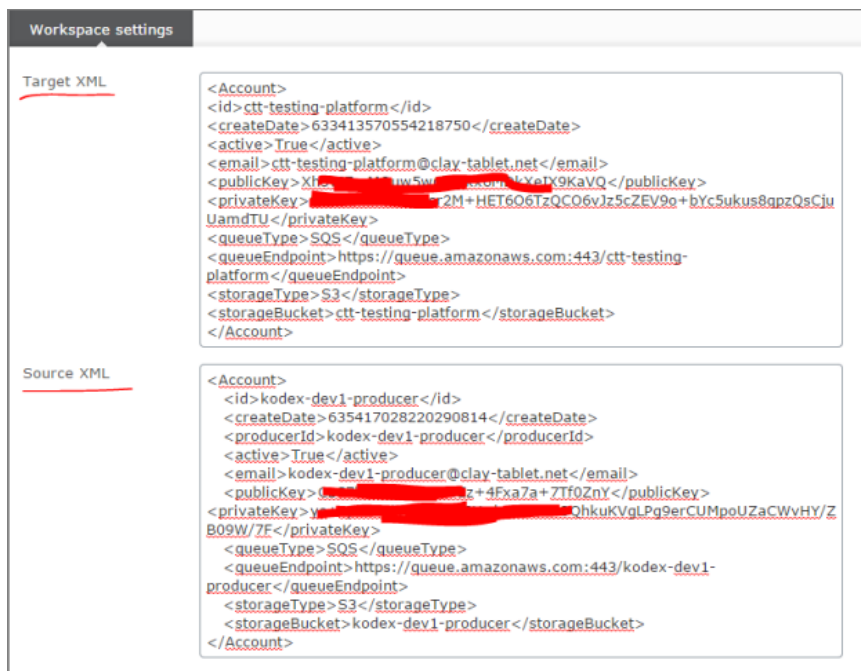
- Your company's platform key is in `target.xml`. This is your company's license for the Clay Tablet Platform.

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

- Click the cogwheel icon in the gadget that in the right pane.
- Select **Settings** from the menu.



- Edit the **Target XML** and **Source XML** fields.



4.4 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="All" />
  <lockingModel type="log4net.Appender.FileAppender+MinimalLock" />
  <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="All" />
    <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, refer to the <i>Connector for EPiServer Installation and Configuration Guide</i> .
A timeout occurs when sending out large projects for translation.	The server has a default timeout of 110 seconds, which may be insufficient for larger translation projects. In the web config file, set <code><httpRuntime exceptionTimeout="360"></code> . This increases the timeout to 360 seconds.