



## Clay Tablet Translation Connector for Adobe Experience Manager

# Installation and Configuration Guide

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# 1 Welcome to the Clay Tablet Translation Connector for Adobe Experience Manager

Welcome to the Clay Tablet Translation Connector for Adobe Experience Manager ("Connector"). This is Clay Tablet's connector between Adobe Experience Manager and the Clay Tablet Platform.

## 1.1 Terminology

<b>Amazon AWS</b>	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 <a href="http://aws.amazon.com">http://aws.amazon.com</a> .
<b>Amazon S3</b>	Amazon Simple Storage Service. For details, see: <a href="http://aws.amazon.com/s3/">http://aws.amazon.com/s3/</a> . The Connector and the Clay Tablet Platform use Amazon S3 to provide temporary storage services for the content sent to and from translation.
<b>Amazon SQS</b>	Amazon Simple Queue Service. For details, see: <a href="http://aws.amazon.com/sqs/">http://aws.amazon.com/sqs/</a> . The Connector uses Amazon SQS to provide Message Queue Services.
<b>Asset</b>	Any content or document being sent for translation, including metadata. Assets are created by the Connector.
<b>Clay Tablet (CTT)</b>	Clay Tablet Technologies, the corporate entity that publishes the Clay Tablet Translation Connector and the Clay Tablet Platform.
<b>Clay Tablet Translation Connector for AEM ("Connector")</b>	The connector software that Clay Tablet Technologies has developed and provides, which plugs into your Adobe Experience Manager (AEM) 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.
<b>Clay Tablet Platform</b>	The hosted (IaaS) connectivity platform that receives and routes content from 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.
<b>FTP Server</b>	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.
<b>IaaS</b>	Infrastructure as a Service. The Clay Tablet Platform is an IaaS, because it is a hosted platform.

<b>Keys</b>	The Connector uses keys to establish a secure, discrete connection between the Connector instance and the Platform.  <b>Very important:</b> Do not copy the content producer routing keys to multiple AEM instances, because this is a violation of the Clay Tablet License Agreement. Using the same content producer routing keys on multiple AEM 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 content producer routing keys on a time and materials basis.
<b>MT</b>	Machine translation. The translation provider can be a machine translation service, such as Google Translate.
<b>Producer</b>	CMS or another system that sends content or documents out for translation. In this case, this is your Adobe Experience Manager.
<b>Provider</b>	A provider of translation services. The delivery of assets to the provider may be via an FTP server or a TMS connector.
<b>Support Asset</b>	Supporting documents and their metadata. Support assets are not translated by the translation provider, but they provide helpful context for the translator.
<b>TMS</b>	Translation management system that the translation provider users.

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## 1.2 About the Clay Tablet Translation Platform

Clay Tablet's translation connectivity platform is the easiest, most flexible way to integrate content management systems (CMSs) with translation providers and translation technologies.

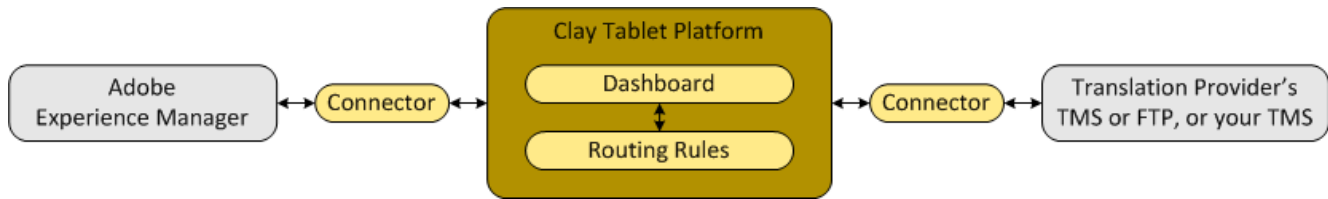
Clay Tablet Platform is the hosted (IaaS) connectivity platform that receives and routes content from content management systems to translation providers and back. It is hosted on Amazon Web Services (AWS). During implementation, Clay Tablet Technologies configures the Platform for your translation solution,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

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## 1.3 How the Clay Tablet Translation Connector Works with Adobe Experience Manager

The Clay Tablet Translation Connector ("Connector") is an important part of the Clay Tablet translation solution. The Connector is installed on your system as an add-in to Adobe Experience Manager (AEM). Its functionality is displayed to the users as part of AEM.



Your translation systems architecture might look like the configuration above. It may have additional CMSs 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.

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## 1.4 Using this Guide

### Purpose of this guide

This guide describes everything you need to know to install and configure the Clay Tablet Translation Connector ("Connector") for AEM. It describes the delivery package contents, system requirements, installation instructions, and configuration procedures.

**Note:** This guide describes using both the AEM Touch-Optimized UI and the Classic UI. The terminology in this guide is for classic devices, such as desktops and laptops, although it is also relevant to mobile devices, such as tablets. For detailed information about the UIs and views, as well as differences in terminology depending on device types, refer to the AEM documentation, available at <http://helpx.adobe.com/marketing-cloud/experience-manager.html?t2>.

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

### Who should use this guide

This guide is intended for AEM administrators and system integrators.

### What you should already know

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

### How to find out more about the Clay Tablet Translation Connector for AEM

For information on using the Clay Tablet Translation Connector to send and receive content for translation from AEM, read the *Clay Tablet Translation Connector for Adobe Experience Manager User Guide*.

### Documentation conventions

This guide uses the following conventions:

Convention	Description
<b>Bold</b>	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 <b>Admin Tools &gt; Configuration.</b> "

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## 1.5 How to Contact Clay Tablet Support

Email @: [support@clay-tablet.com](mailto:support@clay-tablet.com)

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



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## 2 Before You Install

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

1. ["Setting Your System Date, Time, and Time Zone Correctly"](#) as described below.
2. ["Downloading the Delivery Package"](#) as described on page 10.
3. ["Creating a Clay Tablet Translation Connector Database on your Database Server Instance"](#) as described on page 10.
4. ["Creating the Clay Tablet Translation Connector Folders"](#) as described on page 11. These are the folders where the Connector stores your licensing information and your translation data.

**Very important:** Do not copy the content producer routing keys to multiple AEM instances, because this is a violation of the Clay Tablet License Agreement. Using the same content producer routing keys on multiple AEM 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 content producer routing keys on a time and materials basis.

**Note:** If you are installing the Connector in a clustered environment, see ["Installing and Configuring the Clay Tablet Translation Connector in a Clustered Environment"](#) on page 67.

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### 2.1 System Requirements

The Clay Tablet Translation Connector for Adobe Experience Manager (AEM) must be installed on the AEM Author server. The Clay Tablet Translation Connector for AEM supports AEM versions 5.6.1 and higher.

The Clay Tablet Translation Connector for AEM has no additional hardware or software requirements beyond those of AEM. For detailed requirements, refer to the appropriate version of the *Adobe Experience Manager Technical Requirements*.

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

The Clay Tablet Translation 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 Clay Tablet Translation 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 Downloading the Delivery Package

1. Download the Clay Tablet Translation Connector ("Connector") delivery package from the link that Clay Tablet Technologies sends you. This is a `.rar` file, which is a zipped file that contains the following five folders:

Folder Name	Description
CTC Database	The Connector database script files for the supported databases: <ul style="list-style-type: none"> <li>■ <code>CTC_MsSQL_Database_Index.sql</code>, for Microsoft SQL databases.</li> <li>■ <code>CTC_MySQL_Database.sql</code>, for MySQL databases.</li> <li>■ <code>CTC_Oracle_Database.sql</code>, for Oracle databases.</li> </ul>
CQ 5.6.1 V2.0 Solution Package	<code>com.clay-tablet.cqx.x.x.ctc.client-y.z.zip</code> , which is the installation package that you will install into your AEM system using the Package Manager tool, where <code>x.x.x</code> is the supported AEM version number and <code>y.z</code> is the current version of the Connector for AEM. <b>Note:</b> The package name for a new installation includes <code>client</code> , while a package name for updating an existing installation includes <code>cupdate</code> . The update package does not include the <code>/etc/ctctranslation</code> node, where configurations are stored. This prevents overwriting your configuration settings while upgrading.
CTC Data	The Connector Data folder zip archive, <code>CTCData.zip</code> .
Documents	<ul style="list-style-type: none"> <li>■ <i>Clay Tablet Translation Connector for Adobe Experience Manager Installation and Configuration Guide</i> (this document)</li> <li>■ <i>Clay Tablet Translation Connector for Adobe Experience Manager User Guide</i></li> </ul>
License ID for CTCConfig UI	This is the file containing the license for the configuration UI if the Clay Tablet Platform hosted on AWS. The file name is <code>License_ID.txt</code> .

2. Unzip the delivery package file you downloaded, and save its contents to a convenient location.

## 2.4 Creating a Clay Tablet Translation Connector Database on your Database Server Instance

The Connector requires one of the following databases for its database engine:

- MySQL version 5.0 or higher
- Microsoft SQL Server version 2005 or higher
- Oracle 11g

### Microsoft SQL Server instructions

1. Create a database container, such as CTCTRANSLATION.
2. Run the `CTC_MsSQL_Database.sql` script on your Microsoft SQL Server instance to create related tables.

### MySQL instructions

1. Run the `CTC_MySQL_Database.sql` script on your MySQL server to create the `CTCTranslation` database and related tables.
2. Optional. You can create a separate SQL login for this database.
3. Ensure this Connector database is active and accessible.

### Oracle instructions

1. Create an Oracle database, such as CTCTRANSLATION, and set the character set support to multilingual. For detailed instructions, refer to the Oracle documentation. Oracle 10.2 documentation for this feature is available at: [http://docs.oracle.com/cd/B19306\\_01/server.102/b14225/ch6unicode.htm#i1006779](http://docs.oracle.com/cd/B19306_01/server.102/b14225/ch6unicode.htm#i1006779).

2. Create the database schema:

```
CREATE USER CTCTRANS IDENTIFIED BY xxxxxxxx DEFAULT TABLESPACE users TEMPORARY
TABLESPACE temp;
```

Depending on your Oracle settings, you may need to use different default and temporary tablespaces.

3. Run the `CTC_Oracle_Database.sql` script on your Oracle database server to create the related tables.

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## 2.5 Creating the Clay Tablet Translation Connector Folders

This section describes how to create folders that Connector uses to store licensing information and translation data:

1. On your Adobe Experience Manager (AEM) server, navigate to the file system and create a folder called `CTCdata`.
2. Unzip the `CTCData.zip` archive folder from the delivery package you downloaded and unzipped, as described in "[Downloading the Delivery Package](#)" on page 10, and extract all the included folders into the target `CTCdata` folder. This creates the following four subfolders in the `CTCdata` folder:

Sub-Folder	Folder Access Permissions	Description
exports	Full	This folder will store cached Excel files that the Connector exports.

Sub-Folder	Folder Access Permissions	Description
files	Full (apply to source and target sub-folders)	<p>This folder has the following three sub-folders:</p> <ul style="list-style-type: none"> <li>■ The <code>source</code> folder will contain generated XML files for translation.</li> <li>■ The <code>target</code> folder will contain translated files received back from translation.</li> <li>■ The <code>update</code> folder will contain manually updated translated files.</li> </ul> <p><b>Note:</b> Use this feature only if translation providers have edited XML files that were already returned into AEM, or if a file was not successfully inserted back into AEM.</p> <p>By default, the Connector caches all the files for translation and all received translation files. To instruct the Connector <i>not</i> to cache these files, edit <code>/etc/ctcpipelineconfig/ctcTranslationPipes.xml</code> in CRX and follow the instructions in the comments in that file about how to comment out or enable particular steps in the Pipeline to meet your needs.</p>
logs	Full	This folder will be used by the Connector to store Connector log files.
projects	Full	This folder contains information related to project creation. It prevents Connector project duplication when there are issues with database connectivity.

- Set the access permission for each folder according to the above table.

## 3 Installing the Clay Tablet Translation Connector

This section describes how to install the Connector installation package you downloaded earlier into your Adobe Experience Manager (AEM) system, as described in "Downloading the Delivery Package" on page 10.

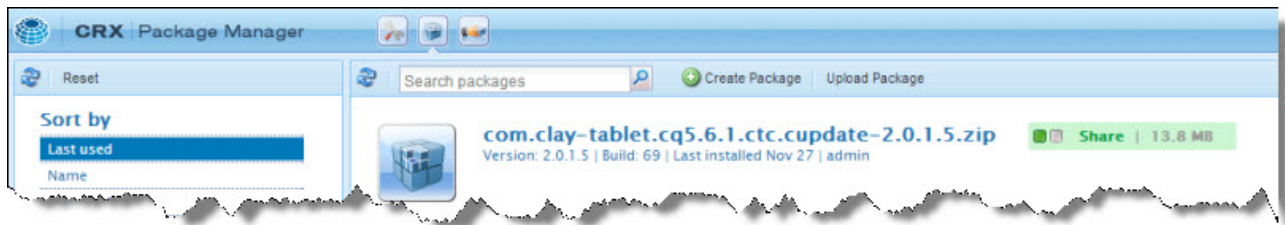
Before you install the Connector, verify that you have reviewed the system requirements and followed all the pre-installation procedures described in "Before You Install" on page 9.

**Note:** If you are installing the Connector in a clustered environment, see "Installing and Configuring the Clay Tablet Translation Connector in a Clustered Environment" on page 67.

To install the Connector into AEM:

1. Do one of the following:
  - In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **Packages**.
  - In the Classic UI of AEM, scroll down and click **Packages** in the right pane.
  - In your Web browser, navigate to `/crx/packmgr/index.jsp` on your AEM instance.

The **CRX Package Manager** opens.



2. Click **Upload Package** to upload the Clay Tablet Translation Connector package to the AEM server.
3. Click the name of the package you uploaded earlier, and follow the on-screen instructions.

## 4 Post-Installation Tasks

After installing the Connector, you complete the following tasks to verify that your installation was successful:

1. "Verifying that the Bundle and All Connector Components Are Active" below.
2. "Configuring the Service Components" on page 15.
3. "Verifying the Connector Nodes" on page 16.
4. "Configuring Network Settings for a Firewall" on page 17. (Optional)

### 4.1 Verifying that the Bundle and All Connector Components Are Active

You must access the Apache Felix Web Console to verify that the bundle and all twenty (20) Connector components are installed and active.

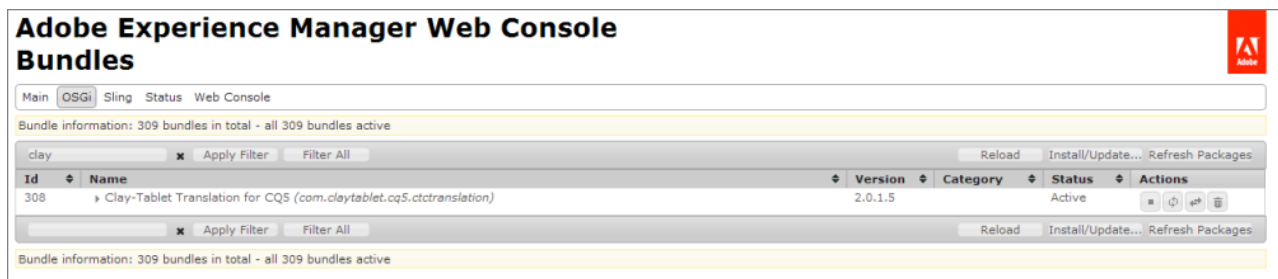
#### Verifying the bundle

1. In your browser, navigate to: `/system/console/bundles` on your AEM instance.

The **Adobe Experience Manager Web Console Bundles** page opens.

2. In the Search box in the top-left corner of the page, type `clay`, and click **Apply Filter**.

The Clay Tablet bundle is displayed.



3. Verify that the Clay Tablet bundle has active status.

#### Verifying the Connector components

1. In your browser, navigate to: `/system/console/components` on your AEM instance.

The **Adobe Experience Manager Web Console Components** page opens. This page displays all components alphabetically, by name.

2. Scroll down to locate the Connector components, whose names all start with `com.claytablet.`

868	com.adobe.xmp.worker.files.ncomm.XMPFilesNComm	active	
1385	com.claytablet.cq5.ctctranslation.impl.CTCArmFieldsServiceImpl	active	
1386	com.claytablet.cq5.ctctranslation.impl.CTCAuthServiceImpl	active	
1387	com.claytablet.cq5.ctctranslation.impl.CTCConfigServiceImpl	active	
1388	com.claytablet.cq5.ctctranslation.impl.CTCDataServiceImpl	active	
1389	com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl	active	
1390	com.claytablet.cq5.ctctranslation.impl.CTCInitServiceImpl	active	
1391	com.claytablet.cq5.ctctranslation.impl.CTCJDBCPoolServiceImpl	active	
1392	com.claytablet.cq5.ctctranslation.impl.CTCLogServiceImpl	active	
1393	com.claytablet.cq5.ctctranslation.impl.CTCPageServiceImpl	active	
1394	com.claytablet.cq5.ctctranslation.impl.CTCPipeProcessServiceImpl	active	
1395	com.claytablet.cq5.ctctranslation.impl.CTCPPrepareServiceImpl	active	
1396	com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl	active	
1397	com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl	active	
1398	com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl	active	
1399	com.claytablet.cq5.ctctranslation.impl.CTCWordsCountServiceImpl	active	
1400	com.claytablet.cq5.ctctranslation.service.RolloutEventHandle.PageEventCTHandler	active	
1401	com.claytablet.cq5.ctctranslation.service.RolloutEventHandle.RolloutEventCTHandler	active	
1402	com.claytablet.cq5.ctctranslation.workflow.RestoreCTCUnlockedProcess	active	
1403	com.claytablet.cq5.ctctranslation.workflow.RolloutCTCQueueProcess	active	
1404	com.claytablet.cq5.ctctranslation.workflow.RolloutCTCTranslationProcess	active	
233	com.day.commons.datasource.jdbcpool.jdbcPoolService	unsatisfied	

3. Verify that all the following twenty (20) Connector components are installed and active:

- com.claytablet.cq5.ctctranslation.impl.CTCArmFieldsServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCAuthServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCConfigServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCDataServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCInitServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCJDBCPoolServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCLogServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCPageServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCPipeProcessServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCPPrepareServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl
- com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl
- com.claytablet.cq5.ctctranslation.impl.CTCWordsCountServiceImpl
- com.claytablet.cq5.ctctranslation.service.RolloutEventHandle.RolloutEventCTHandler
- com.claytablet.cq5.ctctranslation.service.RolloutEventHandle.UTMPageEventCTHandler
- com.claytablet.cq5.ctctranslation.workflow.RestoreCTCUnlockedProcess
- com.claytablet.cq5.ctctranslation.workflow.RolloutCTCQueueProcess
- com.claytablet.cq5.ctctranslation.workflow.RolloutCTCTranslationProcess

## 4.2 Configuring the Service Components


You can configure how frequently the Connector checks for processing, sending, and receiving translations.

- The `ctcPrepareService` agent controls the frequency that the Connector checks for processing translations.
- The `ctcUploadService` agent controls the frequency that the Connector checks for sending and receiving translations.

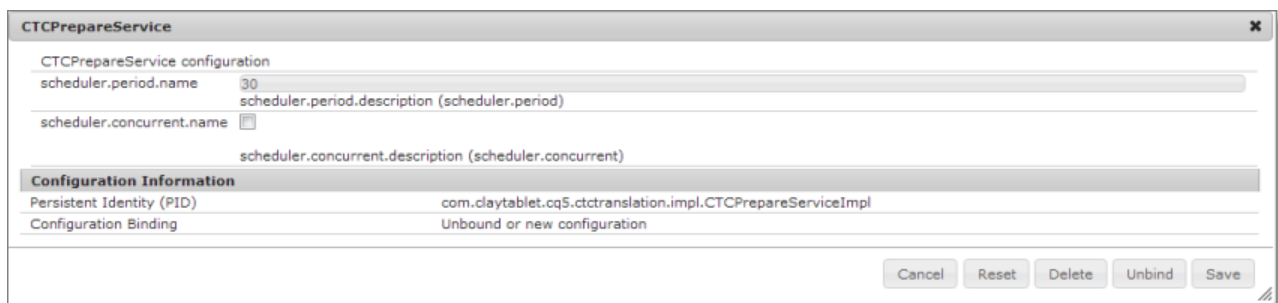
To configure these agents:

1. If the **Adobe Experience Manager Web Console Components** page is not already open, then in your browser, navigate to `/system/console/components` on your AEM instance to open it.

This page displays all components alphabetically, by name.

2. Scroll down to locate one of these Connector components in the list:
  - `com.claytablet.cq5.ctctranslation.impl.CTCPrepareServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl`
3. In the **Actions** column, click the corresponding Configure button .

The configuration dialog box for the service opens.



4. In the **scheduler.period.name** field, you can edit the frequency of this task.
  - The default value of the `ctcPrepareService` agent is 30 seconds.
  - The default value of the `ctcUploadService` agent is 60 seconds.

You can change this value to meet your particular requirements.

5. Click **Save** to save your changes.
6. If desired, repeat steps 2-5 for the other agent.

---

## 4.3 Verifying the Connector Nodes

After installing the Connector, you must access the CRXDE Lite interface to ensure that all ten Connector nodes are installed.



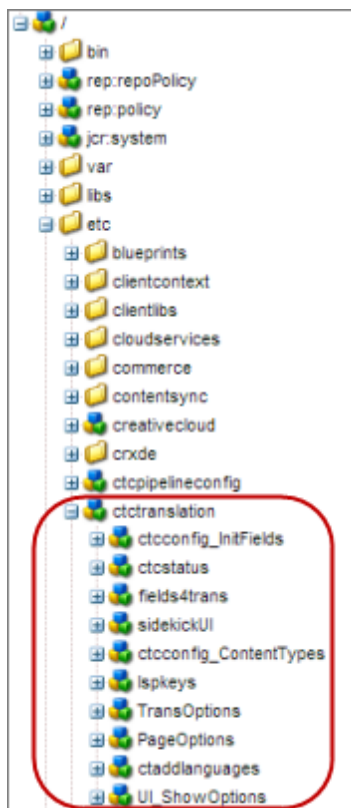
## 1. Do one of the following:

- In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **CRXDE Lite**.
- In the Classic UI of AEM, click **CRXDE Lite** in the right pane.
- In your Web browser, navigate to `/crx/de/index.jsp` on your AEM instance.

**CRXDE** opens.

2. In the navigation pane on the left, navigate to `/etc/ctctranslation`.

## 3. Verify that all ten nodes are present.



## 4.4 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:

<b>Protocol</b>	<b>Port Number</b>	<b>Description</b>	<b>Location</b>
HTTP	Port 80	For access to the Clay Tablet License Server	<a href="http://license.clay-tablet.com">http://license.clay-tablet.com</a>
HTTP	Port 80	For access to Amazon's AWS S3 XML namespace and XSD file	<a href="http://s3.amazonaws.com">http://s3.amazonaws.com</a>
HTTP	Port 80	For access to Amazon's AWS SQS XML namespace and XSD file	<a href="http://queue.amazonaws.com">http://queue.amazonaws.com</a>
HTTPS	Port 443	For secure access to Amazon's AWS S3 service	<a href="https://s3.amazonaws.com">https://s3.amazonaws.com</a>
HTTPS	Port 443	For secure access to Amazon's AWS SQS service	<a href="https://queue.amazonaws.com">https://queue.amazonaws.com</a>

## 5 Configuring the Clay Tablet Translation Connector

You configure the Connector for AEM mostly via the Clay Tablet Connector rail, as described below.

1. Log in to AEM with the `admin` account to start configuring the Connector.
2. Do one of the following:
  - In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **Clay Tablet Connector**.
  - In the Classic UI of AEM, scroll down and click **Clay Tablet Connector** in the right pane.
  - In your Web browser, navigate to `/content/ctctranslation/status.html` on your AEM instance.

The **Translation Status** page opens.

Job	Creation Time	Created by	EST words	LSP	Preparing	Sending	Sent
Demonstration	01/24/2014 02:15 PM	admin	237	Machine Tra	0	0	0
Demonstration being done now	01/24/2014 06:25 PM	admin	106	Machine Tra	0	0	0
LP Test	01/24/2014 01:32 PM	admin	132	Machine Tra	0	0	0
LP test	01/24/2014 01:55 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2013-12-20 6.57 PM	12/20/2013 07:04 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-06 4.40 PM	01/06/2014 04:45 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 4.30 PM	01/07/2014 04:31 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 4.32 PM	01/07/2014 04:32 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 6.26 PM	01/07/2014 06:27 PM	admin	424	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 7.12 PM	01/07/2014 07:13 PM	admin	960	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 7.15 PM	01/07/2014 07:15 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 7.33 PM	01/07/2014 07:34 PM	admin	240	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 7.50 PM	01/07/2014 07:51 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 7.56 PM	01/07/2014 07:57 PM	admin	0	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 8.03 PM	01/07/2014 08:04 PM	admin	1272	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-07 9.59 PM	01/07/2014 10:03 PM	admin	1134	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-14 3.49 PM	01/14/2014 03:49 PM	admin	24	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-14 3.49 PM	01/14/2014 03:49 PM	admin	352	Machine Tra	0	0	0
Submit by [admin] @ 2014-01-16 4.08 PM	01/16/2014 04:10 PM	admin	176	Machine Tra	0	0	3
Submit by [admin] @ 2014-01-23 1.30 PM	01/23/2014 01:31 PM	admin	136	Machine Tra	0	0	0

3. In the Clay Tablet Connector rail, click **Admin Tools**.

This displays the **Admin Tools** menu options. You can perform most Connector configuration changes using these tools.

**Note:** After the Connector is installed, you must start configuring the Connector by selecting **Admin Tools > Configuration**. If you do not begin with this, subsequent configuration options will not be available. For details, see "[Configuring Connector Global Settings](#)" on page 20.

The following menu options are available:

Menu Option	Purpose	For Details, See...
Configuration	Configure Connector global settings, including translation options.	" <a href="#">Configuring Connector Global Settings</a> " on page 20
Language Mapping	Configure the language branches in the Web site structure where the Connector returns translated content, and configure the language lists displayed in Sidekick and the Bulk Translation wizard.	" <a href="#">Configuring Connector Languages</a> " on page 42
Component Mapping	Configure the types of components and fields that the Connector can send out for translation when you send out content for translation.	" <a href="#">Configuring which Components and Properties to Send Out for Translation</a> " on page 46
LSP and Keys	Configure translation provider and account license keys.	" <a href="#">Configuring Translation Providers and Account License Keys</a> " on page 52
Search Agents	Configure search agents to collect pages for translation in the Bulk Translation wizard.	" <a href="#">Configuring Connector Search Agents</a> " on page 56
Team Profiles	Define sets of Connector users who are allowed to send content out for translation from the specified source languages, to the specified source languages, using the specified translation providers.	" <a href="#">Configuring Team Profiles</a> " on page 57

**Note:** You can also configure custom content types using CRXDE Lite. For details, see page 59.

## 5.1 Configuring Connector Global Settings

- ▶ To configure Connector global settings, click **Admin Tools > Configuration** in the Clay Tablet Connector rail to open the **Configuration** page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.

The configuration options are organized into the following sections:

Configuration Section	Purpose
" <a href="#">CQ Server URL</a> " on page 22	Specify the base URL that is used to generate a full page review URL.

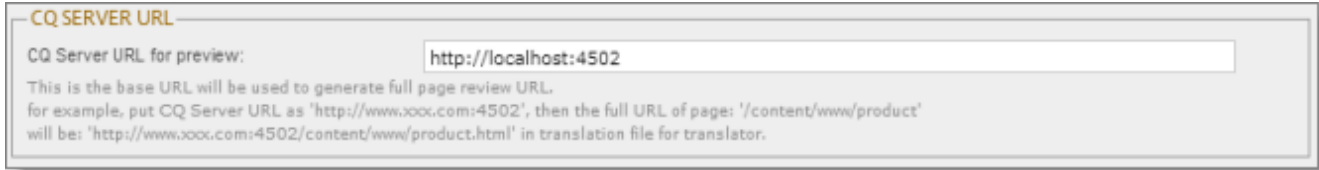
Configuration Section	Purpose
"Network Config" on page 22	Specify the network configuration details for proxy server implementations.
"Translation Platform" on page 23	Configure the Clay Tablet Platform, which receives and routes content between the Connector and translation providers.
"JDBC SQL Connection" on page 24	Configure the JDBC SQL connection to the Connector database.
"Folder and Permission" on page 26	Configure the Connector data folder and its permissions.
"Translation Setting" on page 27	Configure translation-specific options.
"Email Notification" on page 30	Specify the email settings for notification emails that the Connector can send.
"Log Service" on page 31	Specify the Connector log settings.
"Agent Services" on page 32	Configure the settings for the ctcPrepareService and ctcUploadService services.
"UI and Default Settings" on page 32	Specify the default user interface settings that are displayed to users.

When you are done, you can perform the actions described below. The corresponding buttons are displayed at the bottom of the Configuration page:

- ▶ To export your configuration settings (excluding the translation options), as an XML file, click **Export Configuration**. The Connector downloads the file.
- ▶ To export your translation options as an XML file, click **Export Translation Options**. The Connector downloads the file.
- ▶ To save your changes to the Configuration page, click **Save Configuration**.

### 5.1.1 CQ Server URL

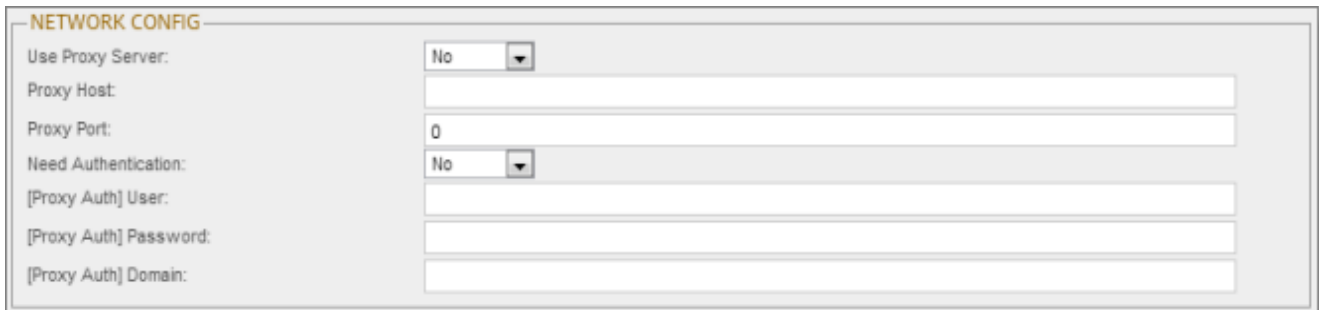
The **CQ Server URL** section of the **Configuration** page specifies the base URL that is used to generate a full page review URL.



Configuration Option	Description
CQ Server URL for preview	This is the base URL that is used to generate a full page review URL. For example, if the URL of the AEM server is <code>http://www.xxx.com:4502</code> , then the full URL of page <code>/content/www/product</code> is <code>http://www.xxx.com:4502/content/www/product.html</code> in the file for translation.

### 5.1.2 Network Config

The **Network Config** section of the **Configuration** page specifies the network configuration details for proxy server implementations.



Configuration Option	Description
Use Proxy Server	Indicates whether the Connector uses a proxy server. If this is <code>No</code> , the other settings in this section are not required.
Proxy Host	The IP address or domain name for the proxy server.
Proxy Port	The port number for the proxy server.

Configuration Option	Description
Need Authentication	Indicates whether authentication is required to access the proxy server. If this is <code>No</code> , the remaining settings in this section are not required.
[Proxy Auth] User	The user name for authentication to the proxy server.
[Proxy Auth] Password	The password for authentication to the proxy server.
[Proxy Auth] Domain	The domain for authentication to the proxy server.

### 5.1.3 Translation Platform

The **Translation Platform** section of the **Configuration** page configures the Clay Tablet Platform, which receives and routes content between the Connector and translation providers.

**TRANSLATION PLATFORM**

Platform Type:

**INTERNAL PLATFORM**

CTWS Server IP (or domain name):

If you're using CT Internal Platform, then need to tell CT connector where is the CTWS server located.

Source XML:

Target XML:

**PUBLIC PLATFORM**

**LICENSE**

License Id:

Configuration Option	Description
Platform Type	This indicates which type of Clay Tablet Platform your installation uses. This is one of the following: <ul style="list-style-type: none"> <li>■ <code>AWS Public Platform</code>: If your company uses the Clay Tablet Platform hosted on AWS (most common installation), select this.</li> <li>■ <code>CTWS Internal Platform</code>: If your company uses a Clay Tablet Platform that is hosted "internally" by your company, select this.</li> </ul>
Internal Platform	
CTWS Server IP (or domain name)	IP address or domain name of the Clay Tablet Web Service (CTWS). Relevant only if <code>CTWS Internal Platform</code> was selected in <b>Platform Type</b> , above. Enter the IP address or the domain name of the server that runs the CTWS SQS/S3 service.
Source XML	Relevant only if <code>CTWS Internal Platform</code> was selected in <b>Platform Type</b> , above. This file contains the CMS address key.
Target XML	Relevant only if <code>CTWS Internal Platform</code> was selected in <b>Platform Type</b> , above. This is the Platform target key, which is relevant for one translation provider. <b>Note:</b> When your company uses a Clay Tablet Platform that is hosted "internally" by your company, the Connector does not support multiple translation providers.
Testing	Relevant only if <code>CTWS Internal Platform</code> was selected in <b>Platform Type</b> , above. Click this to test the keys in the <b>Source XML</b> and <b>Target XML</b> boxes, above. After testing, a message box indicates whether the keys passed the test.
Public Platform	
License ID	Relevant only if <code>AWS Public Platform</code> was selected in <b>Platform Type</b> , above. Enter the license ID from the <code>License_ID.txt</code> file in the package you downloaded. For details, see " <a href="#">Downloading the Delivery Package</a> " on page 10.

#### 5.1.4 JDBC SQL Connection

The **JDBC SQL Connection** section of the **Configuration** page configures the JDBC SQL connection to the Connector database.



**JDBC SQL CONNECTION**

JDBC SQL Driver Class:

JDBC Connection URL:

Login name for SQL Database:

Login password for SQL Database:

The options in this section configure the JDBC SQL connection to the Connector database. The Connector supports the MySQL, Microsoft SQL Server, and Oracle databases.

**Note:** The name of the Connector database is either `ctctranslation` or `CTCTRANSLATION`. For details, refer to ["Creating a Clay Tablet Translation Connector Database on your Database Server Instance"](#) on page 10.

**Important:** Every AEM server with the Connector installed needs its own Connector database. Mirrored or load-balanced servers can point to the same Connector database.

Configuration Option	Description
JDBC SQL Driver class	Enter the appropriate configuration parameter for your database implementation: <ul style="list-style-type: none"> <li>For Microsoft SQL Server, enter: <code>com.microsoft.sqlserver.jdbc.SQLServerDriver.</code></li> <li>For MySQL, enter: <code>com.mysql.jdbc.Driver.</code></li> <li>For Oracle, enter: <code>oracle.jdbc.driver.OracleDriver.</code></li> </ul>
JDBC Connection URL	Enter the appropriate configuration parameter for your database implementation: <ul style="list-style-type: none"> <li>For Microsoft SQL Server, the URL should look like: <code>jdbc:sqlserver://192.168.1.66:1433;databaseName=ctctranslation;.</code></li> <li>For MySQL Server, the URL should look like: <code>jdbc:mysql://192.- 168.1.90:3306/ctctranslation?characterEncoding=UTF-8.</code></li> <li>For Oracle, the URL should look like: <code>jdbc:oracle:thin:@//192.168.1.66:1521/CTCTRANSLATION.</code></li> </ul>
Login name for SQL Database	The name for logging in to the SQL database.
Login password for SQL Database	The password for logging in to the SQL database.

**General notes:** In the examples above, `192.168.1.66` is the IP address of the database server. Alternatively, you can enter the domain name of the database server.

**Notes for MySQL users:** Ensure that `characterEncoding=UTF-8` is configured for MySQL. 3306 is the default port of MySQL Server. If your database server uses a different port, change the port number in the example to match your port number.

**Note for Microsoft SQL Server users:** 1433 is the default port of the Microsoft SQL Server. If your database server uses a different port, change the port number in the example to match your port number.

**Note for Oracle users:** 1521 is the default port of the Oracle DB Server. If your database server uses a different port, change the port number in the example to match your port number.

- ▶ To verify the JDBC connection and credentials, click the **Testing** button. After testing, a message box indicates whether your configuration passed the test.

### 5.1.5 Folder and Permission

The **Folder and Permission** section of the **Configuration** page configures the Connector data folder and its permissions.

Configuration Option	Description
Data Folder	<p>This is the path to the folder you created, where Connector will store translation data. For details, see "<a href="#">Creating the Clay Tablet Translation Connector Folders</a>" on page 11.</p> <ul style="list-style-type: none"> <li>■ For Microsoft Windows, the path must end with <code>\</code>, for example, <code>c:\ctcdata\</code>.</li> <li>■ For UNIX, including Linux, or Mac, the path must end with <code>/</code>, for example, <code>/usr/share/ctcdata/</code>.</li> </ul> <p><b>Note:</b> The <code>files</code> and <code>logs</code> subfolders should have full access permissions for Java processes.</p> <ul style="list-style-type: none"> <li>▶ To verify that this path is correct, click the <b>Testing</b> button. After testing, a message box indicates whether your configuration passed the test.</li> </ul>
[Translation User] CQ5 Group ID	Select the ID of the Adobe CQ group whose members are allowed to submit content only to the Translation Queue. The members cannot send out content for translation.

Configuration Option	Description
[Translation Submit] CQ5 Group ID	Select the ID of the Adobe CQ group whose members are allowed to submit translation jobs to the Translation Queue and send content out for translation.
[Translation Admin] CQ5 Group ID	Select the ID of the Adobe CQ group whose members are allowed to send out translation jobs for translation, configure the Connector, and remove completed translation jobs and statuses.
[Job Quote] Can be approved/rejected by	Select the user group whose members are allowed to approve or reject translation job quotes.

### 5.1.6 Translation Setting

The **Translation Setting** section of the **Configuration** page configures translation-specific options.

**TRANSLATION SETTING**

Project Identifier:

MAX #Pages Per File:

Catch Rollout Pages To [Rollout] Queue:  Automatically catch rollout pages to Translation Queue

Remove Control Characters:  Automatically remove control characters from translation XML file

Save Translation To LocalTM:  Automatically save page translation to LocalTM

Language Conversion (URL Reference):  Handle [Language Conversion] automatically for URL reference

Language Conversion (Content Link):  Handle [Language Conversion] automatically for Links in content

"Send-Out" Notification:  Send email notification when a page translation has been sent out

Email Addresses For Receiving "Send-Out" Notification: ( comma separated )

"Completed" Notification:  Send email notification when a page translation has been completed

Email Addresses For Receiving "Completed" Notification: ( comma separated )

Configuration Option	Description
Project Identifier	<p>The project name, as it will be displayed in the Translation Status page. If you leave this field blank, the project name is concatenated with the username and the date and time stamps in translation projects your company submits for translation.</p> <p><b>Recommendation:</b> Enter your company name as the project identifier.</p>
MAX #pages per File	<p>This setting determines the maximum number of AEM pages that the Connector packs into a single XML file for translation. You can adjust the number to better suit your translation requirements.</p> <p><b>Note:</b> Translation providers translate an entire XML file before returning it. Therefore, it takes more time to translate an XML file with more pages packed into it than an XML file with fewer pages packed into it. Specifying a lower maximum number of pages per file generally results in a faster turnaround time.</p> <p>The default value is 100, which means the Connector will package content from 100 AEM pages into a single XML file.</p> <p><b>Recommendation:</b> Discuss this with your translation provider.</p>
Catch rollout pages to [Rollout] Queue	<p>Select this option to enable users to send content to the Translation Queue when using AEM's MSM Rollout functionality. If this check box is selected, when users roll out pages, the Connector automatically sends content to the Translation Queue.</p> <p><b>Note:</b> Alternatively, you can use the <code>CTCRolloutTranslation</code> workflow to enable this functionality. For details, see "<a href="#">Viewing the Rollout Workflow</a>" on page 64. For information about when to use which configuration method, see "<a href="#">Configuring the Rollout Feature</a>" on page 60.</p>
Remove control characters	<p>Some control characters, such as 0x10 and 0x13, will cause an XML file to be invalid. However, some translation providers and translation management systems may not be able to handle control characters. This option instructs the Connector to automatically remove all control (non-printing) characters (0x00-0x1F) from an XML file before sending it out for translation.</p>

Configuration Option	Description
Save translation to Local TM	<p>This setting determines whether the translated content is stored at a property level in the local TM (translation memory). You can view these properties in CRXDE Lite.</p> <ul style="list-style-type: none"> <li>■ If this check box is selected, the translated content is stored at a property level in the local TM.</li> <li>■ If this check box is not selected, the translated content is not stored at a property level in the local TM.</li> </ul>
Language Conversion (URL Reference)	<p>For fields in AEM pages that contain only internal URLs, the Connector can automatically find the referring target URL and exclude this field from the page translation process.</p> <ul style="list-style-type: none"> <li>■ Select this check box if the entire field is a URL reference, for example, <code>/content/www/en/us/products</code>, in a field of a page that will be translated to French, and there is no <code>&lt;a&gt;</code> link tag. In this scenario, the Connector treats this field as a URL reference field, and it does not send out this field for translation. It automatically converts the URL to <code>/content/www/fr/fr/products</code> for the French version of the content.</li> <li>■ Clear this check box if you want the Connector to send out this field for translation.</li> </ul>
Language Conversion (Content Link)	<p>For fields in AEM pages that contain internal links, the Connector can automatically convert these internal links to point to the corresponding pages in the target language.</p> <ul style="list-style-type: none"> <li>■ Select this check box to convert the link to the corresponding target page. For example, if you are translating English to French, a link that was previously to another English page will now point at the corresponding French page.</li> <li>■ Clear this check box to maintain the link to the page in the source language. For example, if you are translating English to French, a link that was previously to another English page will still point at the original English page.</li> </ul>
Send email notification when a page translation has been sent out	<p>Select this check box if you want the Connector to send an email notification when it sends out a page for translation.</p>
Email addresses for receiving "Send-Out" notification	<p>Comma separated email addresses that will receive notification emails when the Connector sends out a page for translation.</p>

Configuration Option	Description
Send email notification when a page translation has been completed	Select this check box if you want the Connector to send an email notification when a page translation has been completed.
Email addresses for receiving "Completed" notification	Comma separated email addresses that will receive notification emails when a page translation has been completed.

**Note about email notifications:** The above settings are global, so the Connector will send email notifications to these addresses for all translation projects. In the Connector, users can also add email notifications on a project basis. For details, refer to the *Clay Tablet Translation Connector for Adobe Experience Manager User Guide*.

### 5.1.7 Email Notification

The **Email Notification** section of the **Configuration** page specifies the email settings for notification emails that the Connector can send.

The screenshot shows the 'EMAIL NOTIFICATION' configuration panel. It contains the following fields and settings:

- SMTP Host: [Empty text field]
- SMTP Port: 25
- Need Authentication: Yes (dropdown menu)
- [SMTP Auth] User: [Empty text field]
- [SMTP Auth] Password: [Empty text field]
- SMTP STARTTLS: Enabled (dropdown menu)
- Notification email from: [Empty text field]
- Testing ... button

This section is required if you configured the Connector to send notification emails. For details, see "[Translation Setting](#)" on page 27.

Configuration Option	Description
SMTP Host	The IP or domain name of your SMTP server.

Configuration Option	Description
SMTP Port	The port used by your SMTP service.
Need Authentication	Indicates whether the SMTP server needs authentication. If necessary, contact your network administrator for this information.
[SMTP Auth] User	The login name or account if your SMTP server needs authentication.
[SMTP Auth] Password	The password to login to your SMTP server if it needs authentication.
SMTP STARTTLS	Indicates whether your SMTP server supports the StartTLS protocol. If necessary, contact your network administrator for this information.
Notification email from	The email address from which Connector notification emails will be sent. If this is not specified, the default email address is <code>ctcnotification@clay-tablet.com</code> .

- ▶ To verify the email settings, click the **Testing** button. After testing, a message box indicates whether your configuration passed the test.

### 5.1.8 Log Service

The **Log Service** section of the **Configuration** page specifies Connector log settings.

LOG SERVICE

Log Level:

How many days of Logs should keep:

Configuration Option	Description
Log Level	<p>There are three levels of logging: <code>Error</code>, <code>Detail</code>, and <code>Debug</code>.</p> <p><b>Recommendation:</b> Initially set the log level to <code>Debug</code>, since this level of logging has all the details of the Connector translation process. This level of detail is required for Clay Tablet Support to assist you with any implementation issues. After the end-to-end translation process is running smoothly, you can change this to <code>Error</code>, so that only errors are logged.</p>

Configuration Option	Description
How many days of Logs should be kept?	By default, the Connector maintains 15 days of logs.

### 5.1.9 Agent Services

The **Agent Services** section of the **Configuration** page configures the settings for the `ctcPrepareService` and `ctcUploadService` services.

**AGENT SERVICES**

Speed(1 fast - 20 slow):

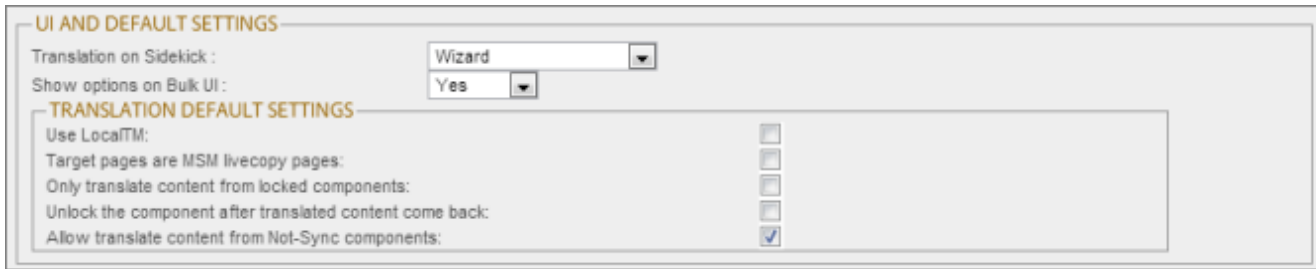
Multiple threads(1 - 20):

Configuration Option	Description
Speed	<p>You can choose a level from 1 to 20 to adjust the load the <code>ctcPrepareService</code> and <code>ctcUploadService</code> agent services present to your servers. Setting 1 is very fast and therefore more resource intensive. The default value is 1 (fastest). Based on CTT testing, this setting will push CPU usage to 60% on average. You can monitor your server performance, and if the Connector uses too many server resources, you may need to adjust the speed level.</p> <p><b>Note:</b> This speed setting affects all Clay Tablet agent services.</p>
Multiple threads	<p>This is the maximum number of threads that the Connector can use for the Clay Tablet JDBC pool, and to concurrently prepare, send, download, and return translations to AEM. It is between 1 and 20.</p>

### 5.1.10 UI and Default Settings

The **UI and Default Settings** section of the **Configuration** page specifies the default user interface settings that are displayed to users.





Configuration Option	Description
<p>Translation on Sidekick</p>	<p>This setting determines the user interface displayed when clicking <b>CTC Translation</b> on the <b>Page</b> tab of the Sidekick. Some companies prefer a simplified process where users cannot choose advanced translation options, while others prefer to empower their content editors to set various parameters each time they send out content. For instance contributors can choose to ensure source content is not overwritten during the translation process, as it pertains to MSM rollout processes. The following options are available:</p> <ul style="list-style-type: none"> <li>■ <b>Simple UI:</b> Users can submit content to the Translation Queue. All options are displayed in a single dialog box. Advanced translation options <i>are not</i> displayed.</li> <li>■ <b>Simple UI with all options:</b> Users can submit content to the Translation Queue. All options are displayed in a single dialog box. Advanced translation options <i>are</i> displayed.</li> <li>■ <b>Wizard:</b> Users can either submit content to the Translation Queue or send content out for translation. Options are displayed in a two-page wizard. Advanced translation options <i>are not</i> displayed. This is the default setting.</li> <li>■ <b>Wizard with all options:</b> Users can either submit content to the Translation Queue or send content out for translation. Options are displayed in a two-page wizard. Advanced translation options <i>are</i> displayed. This is the default setting.</li> </ul> <p>For more information about these options, including screen captures of the user interfaces displayed in Sidekick, see "<a href="#">Sidekick Options</a>" on page 36.</p>
<p>Show options on Bulk UI</p>	<p>This setting determines whether to display the Options page in the Bulk Translation wizard. The Options page enables users to change the following options:</p> <ul style="list-style-type: none"> <li>■ Use Local TM</li> <li>■ Target pages have content in source language</li> <li>■ Only translate content from locked components</li> <li>■ Unlock the component after translated content come back</li> <li>■ Allow translate content from Not-Sync components</li> </ul> <p>These options are described below.</p>

Configuration Option	Description
<b>Translation Default Settings</b>	<p>The following sub-section determines the default settings of these options when they are displayed in the Sidekick, Bulk Translation wizard, and the Translation Queue. For all these options:</p> <ul style="list-style-type: none"> <li>■ If a check box is selected, then the default value of this option is selected.</li> <li>■ If a check box is cleared, then the default value of this option is cleared.</li> </ul> <p><b>Note:</b> Depending on your company's configuration, users may not be able to change these values. For example, if the <b>Show options on Bulk UI</b> check box, described above, is not selected, then users cannot change these settings in the Bulk Translation wizard. In that case, this section determines the default value of these settings.</p>
Use Local TM	<p>This feature determines whether to check each component in the source version of the page for any content changes, and send only changed components out for translation. If a component was previously translated and it has not changed, then the Connector does not send it for translation again: Instead, it uses the stored translation. This feature reduces the quantity of content that the Connector sends to translation providers, which reduces your cost. However, it needs the Connector translation backup data, and it increases the Connector processing time before sending out the items for translation.</p> <ul style="list-style-type: none"> <li>■ If this check box is selected, the Connector checks whether content was already translated before sending it out for translation.</li> <li>■ If this check box is cleared, the Connector sends out content for translation without checking whether it has already been translated.</li> </ul>
Target pages are MSM livecopy pages	<p>This option is relevant when the target pages are MSM (Multi Site Manager) live copy pages, which means that AEM automatically updates a target page when the corresponding source page changes. It prevents the Connector from overwriting unique source content that already exists in the target pages.</p> <p>This is useful when you are sending a page for translation that has been used in the past to push content to other pages, and includes target page content which has been changed, for example, regionalized. In this scenario you do not want to overwrite the regionalized content as the translation process occurs. Select this option when you <i>do not</i> want the Connector to overwrite components in the target pages that include regionalized content with the newly translated content.</p> <ul style="list-style-type: none"> <li>■ If this check box is selected, the Connector <i>does not</i> overwrite unique source content that already exists in the target pages.</li> <li>■ If this check box is cleared, the Connector <i>does</i> overwrite unique source content that already exists in the target pages.</li> </ul>

Configuration Option	Description
Only translate content from locked components	<p>This option enables users to send out only content from locked components for translation.</p> <ul style="list-style-type: none"> <li>■ If this check box is selected, users can send out content for translation only if it is from a locked component.</li> <li>■ If this check box is cleared, users can send out content for translation whether or not it is from a locked component</li> </ul> <p><b>Note:</b> Locked components have an inheritance relationship between a source Blueprint page and the connected live copy page. When sending content for translation using Sidekick, users can choose whether to send for translation the content from locked components, which is inherited from a Blueprint component. This is useful if, for example, the page has both global and regional information and you only want to translate (replace) the global content that is created via a Blueprint page. In this scenario, suppose that the regional content on the page is manually translated in house, and that it has not changed. You would not want to tamper with it. However, using the same scenario, the global content from head office <i>has</i> changed and needs translation. You would select this check box to separate the content and localize only the new, inherited content.</p>
Unlock the component after translated content come back	<p>This option automatically unlocks a component after translated content returns. Suppose you send a page for translation that has been used previously to push content to other pages, and it includes target page content that has been changed, for example, regionalized. In this scenario you do not want to overwrite the regionalized content as the translation process occurs, so you select the <b>Target Pages Have Content In Source Language</b> option, which prevents the Connector from overwriting those regionalized target pages with newly translated content. If following that translation, you want to treat the resulting translations as regional, and you no longer want to inherit content from the Blueprint pages, select this check box.</p> <p><b>Warning:</b> This breaks the inheritance between the component and its Blueprint page, so that it no longer inherits new content. However, you can use the <code>CTCRestoreOriginalSync</code> workflow to relock the component and recreate the inheritance. For details, see "<a href="#">Viewing the Restore Original Sync Workflow</a>" on page 65.</p> <ul style="list-style-type: none"> <li>■ If this check box is selected, the Connector automatically unlocks a component after translated content returns.</li> <li>■ If this check box is cleared, the Connector does not automatically unlock a component after translated content returns.</li> </ul>

Configuration Option	Description
Allow translated content from Not-Sync components	<p>This option enables users to send content for translation even if it is not synchronized. This means it <i>does not</i> have a relationship to a Blueprint page, so it cannot be synchronized with it. This can happen if you are not using the MSM (Multi Site Manager) feature of AEM, or if this is a page with regionalized content that does not inherit content from a Blueprint page.</p> <ul style="list-style-type: none"> <li>■ If this check box is selected, users <i>can</i> send out content for translation if it does not have a relationship to a Blueprint page.</li> <li>■ If this check box is cleared, users <i>cannot</i> send out content for translation if it does not have a relationship to a Blueprint page.</li> </ul>

### 5.1.10.1 Sidekick Options

The following table describes the possible values for the **Translation on Sidekick** option in the **UI and Default Settings** section of the **Configuration** page. This page is described in "[UI and Default Settings](#)" on page 32.

Translation on Sidekick Value	Where User Can Submit Content	User Interface	Advanced Translation Options Available
Simple UI	Translation Queue only	dialog box	no
Simple UI with all options	Translation Queue only	dialog box	yes
Wizard	Translation Queue or directly to translation	two-page wizard	no
Wizard with all options	Translation Queue or directly to translation	two-page wizard	yes

Screen captures of each option follow. For a detailed description of the translation interface within Sidekick, refer to the *Clay Tablet Translation Connector for Adobe Experience Manager User Guide*.

#### Simple UI

This option enables users to submit content to the **Translation Queue**. It does not display advanced translation options.

CTC Translation: /content/geometrixx/en/products

Translation scope

- Current page
- All sub pages
- Current page and all sub pages

Source language \* US\_EN

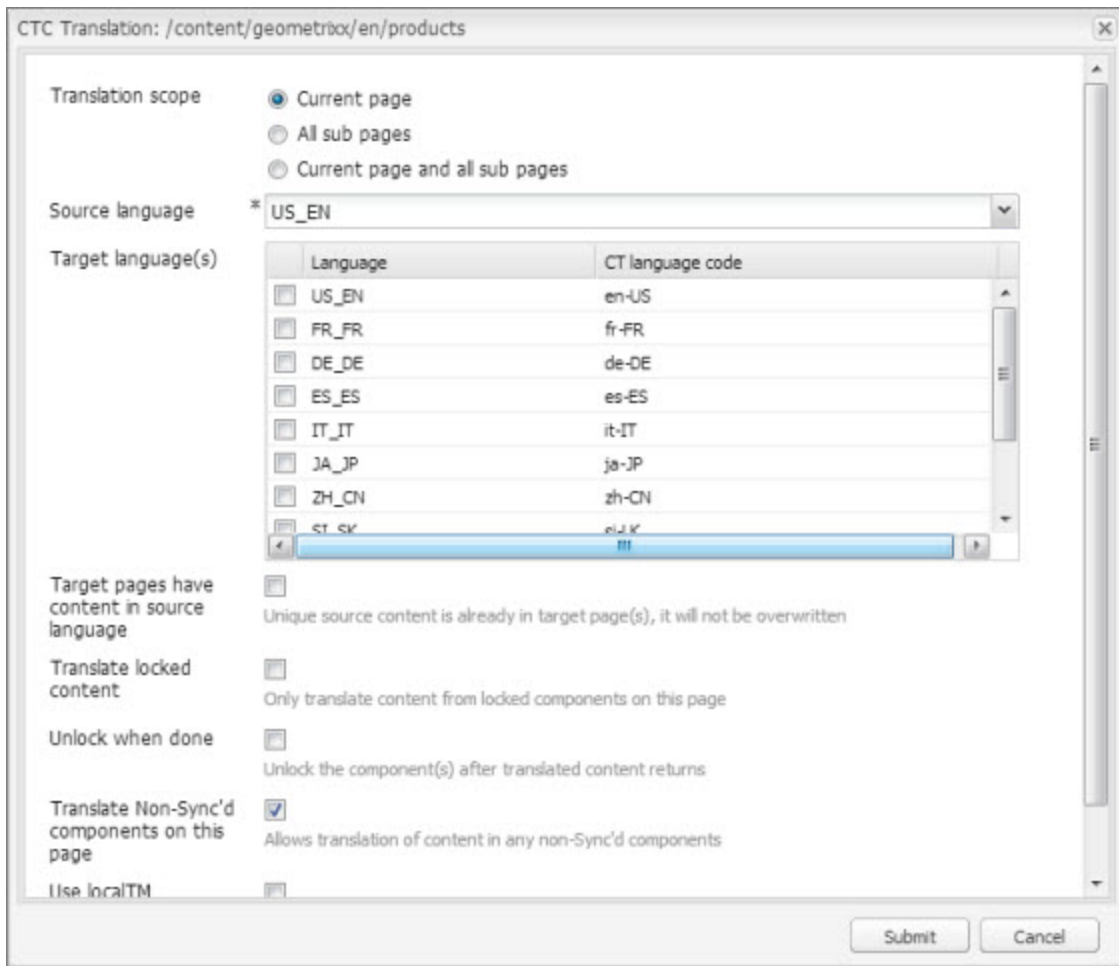
Target language(s)

Language	CT language code
<input type="checkbox"/> US_EN	en-US
<input type="checkbox"/> FR_FR	fr-FR
<input type="checkbox"/> DE_DE	de-DE
<input type="checkbox"/> ES_ES	es-ES
<input type="checkbox"/> IT_IT	it-IT
<input type="checkbox"/> JA_JP	ja-JP
<input type="checkbox"/> ZH_CN	zh-CN
<input type="checkbox"/> SI_SK	si-LK
<input type="checkbox"/> NL_NL	nl-NL
<input type="checkbox"/> TR_TR	tr-TR
<input type="checkbox"/> HU_HU	hu-HU

Submit Cancel

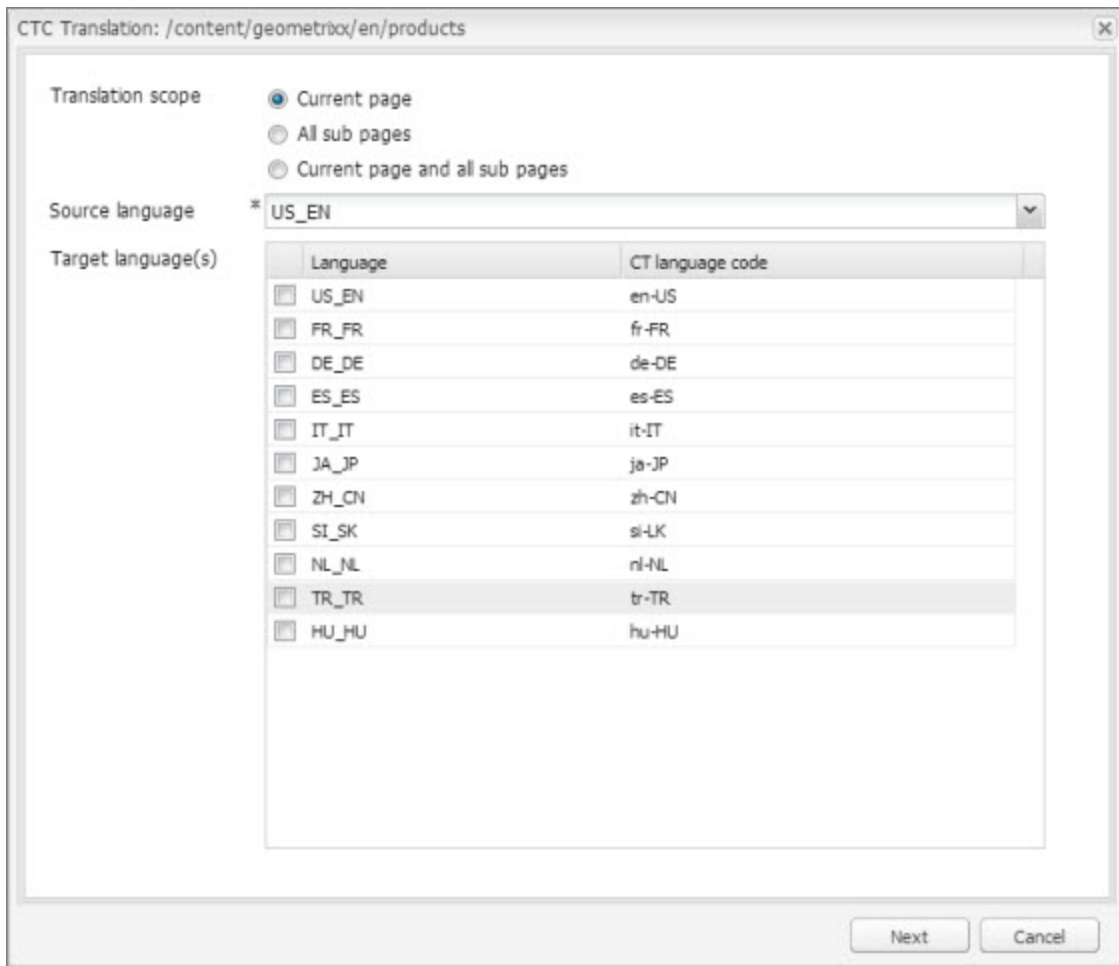
### Simple UI with options

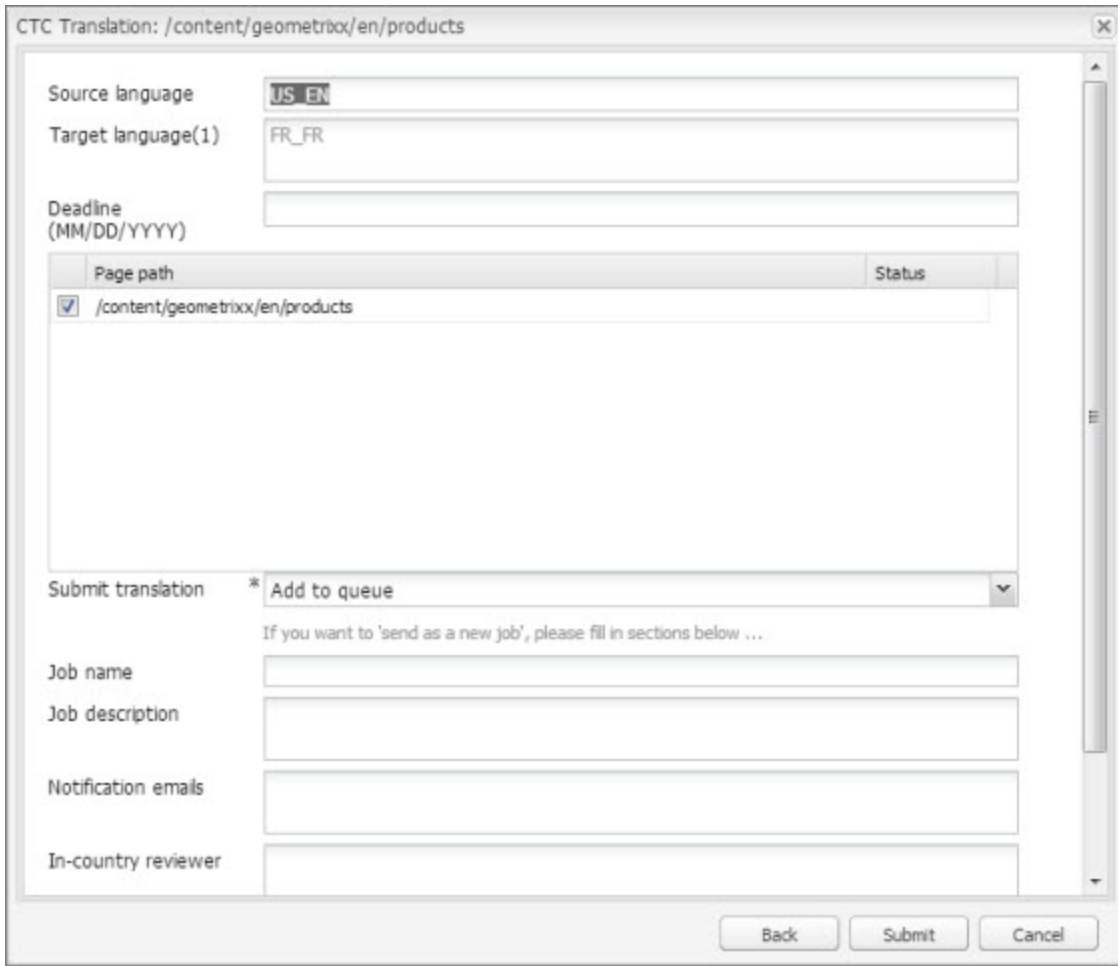
This option enables users to submit content to the **Translation Queue**. It displays advanced translation options.



## Wizard

This option enables users to send content either to the **Translation Queue** or directly out for translation. It does not display advanced translation options. It is a two-page wizard.

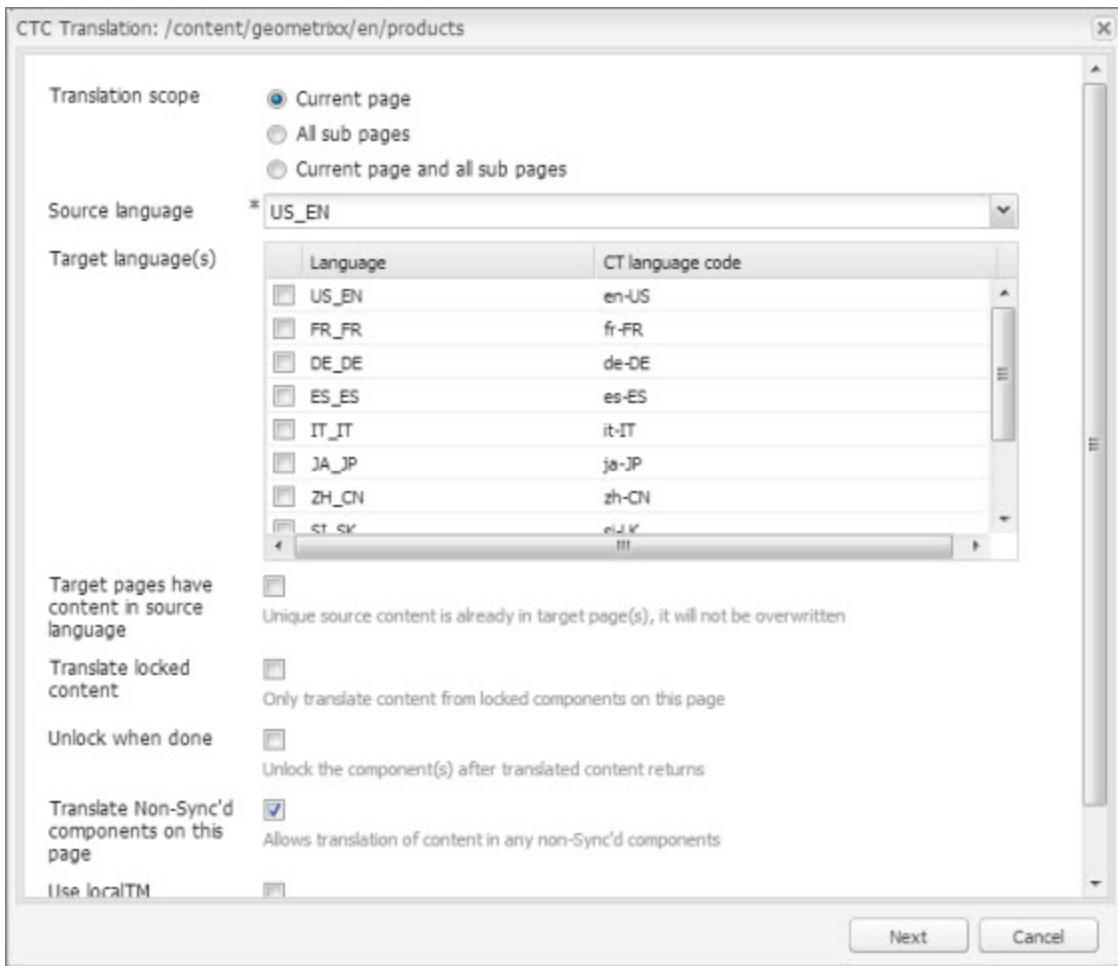




### Wizard with options

This option enables users to send content either to the **Translation Queue** or directly out for translation. It displays advanced translation options. It is a two-page wizard.





CTC Translation: /content/geometrixx/en/products

Source language: JS\_EN

Target language(1): FR\_FR

Deadline (MM/DD/YYYY):

Page path	Status
<input checked="" type="checkbox"/> /content/geometrixx/en/products	

Submit translation: \* Add to queue

If you want to 'send as a new job', please fill in sections below ...

Job name:

Job description:

Notification emails:

In-country reviewer:

Back Submit Cancel

## 5.2 Configuring Connector Languages

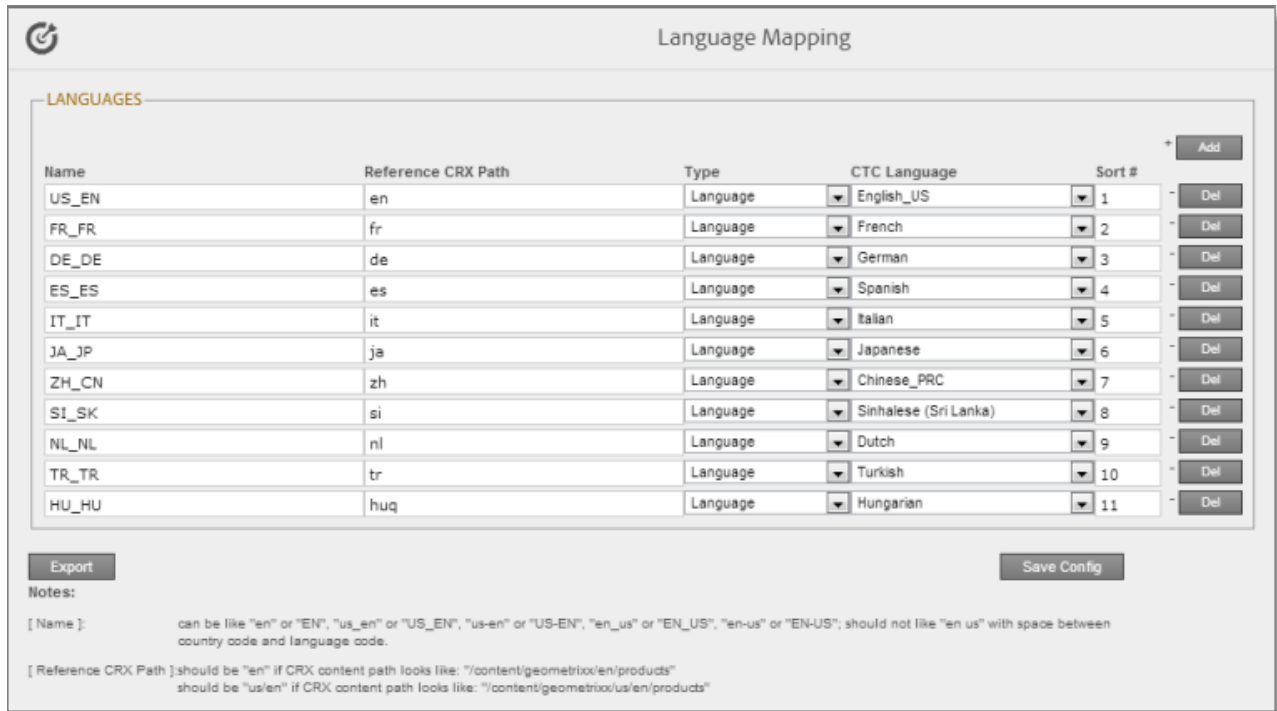
You configure the language branches in the Web site structure where the Connector returns translated content, and you configure the language options for Sidekick and the Bulk Translation wizard.

You must correctly configure all the languages you are using on your site before sending any jobs for translation.

**Important:** Do not change the name of a language or delete a language if there is translation content in the Translation Queue, or if there are translation jobs in progress.

To configure languages for the Connector:

1. Click **Admin Tools > Language Mapping** in the Clay Tablet Connector rail to open the **Language Mapping** page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.



2. Click **Add** in the top-right corner of the page to add a new language.

A blank row is displayed at the bottom of the list. Enter the new language in this row.

3. Enter the following information in the appropriate columns:

Column	Description	Example
Name	The name of the language, which is the language identifier. <b>Note:</b> Do not use a space between the language code and country code. Instead, use an underscore ( _ ).	CA_FR
Reference CRX Path	The path to the content for the language in CRXDE Lite. <ul style="list-style-type: none"> <li>■ If the CRX content path is similar to <code>/content/geometrixx/en/products</code>, this should be similar to <code>en</code>.</li> <li>■ If the CRX content path is similar to <code>/content/geometrixx/us/en/products</code>, this should be similar to <code>us/en</code>.</li> </ul>	ca/fr
Type	The type of language identifier. Select one of the following: <ul style="list-style-type: none"> <li>■ Country</li> <li>■ Language</li> <li>■ Country + Language</li> </ul>	Country + Language
CTC Language	The corresponding Connector language code. Select it from the list.	French_Canada

Column	Description	Example
Sort #	This is the importance you assign to the language code, which determines the order in which it is displayed in a list of languages. The most important is 1.	1

**Note:** Any new language you add is not automatically displayed in the Bulk Translation wizard or in Sidekick. For the language to be displayed there, you must add it to the relevant team profile, as described in "[Configuring Team Profiles](#)" on page 57.

4. Repeat steps 2 and 3 for any additional languages to add.
5. You can modify the values for any other languages in the list.
6. When you are done, click **Save Config** at the bottom of the page.

This language configuration will be displayed in the Bulk Translation wizard and when accessing the Connector from Sidekick.

- ▶ To delete a language so that it will no longer be displayed in the Bulk Translation wizard and when accessing the Connector from Sidekick, click the corresponding **Del** button.
- ▶ To export the language settings to an XML file, click **Export** at the bottom of the page. The Connector downloads the XML file.

### 5.2.1 Adding Custom Clay Tablet Languages and Codes

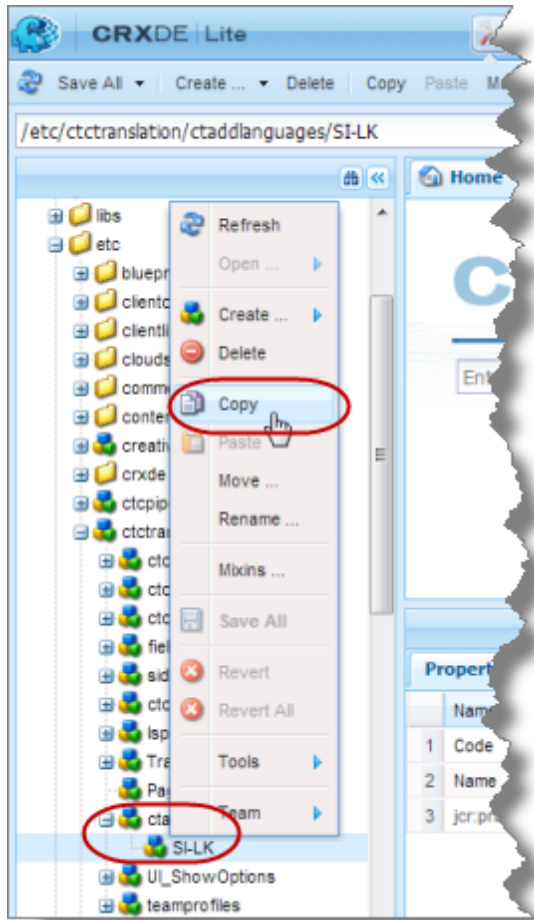
The Clay Tablet SDK includes a list of pre-defined languages and language codes. If your company wants to use an additional language that does not have a corresponding Clay Tablet language and code, then you can create a custom Clay Tablet language and language code support.

However, your company will be sending content to a translation management system (TMS) that does not support your new language code. Therefore, you must contact both Clay Tablet Technologies and the translation provider so that they can map your language codes to those supported by the TMS.

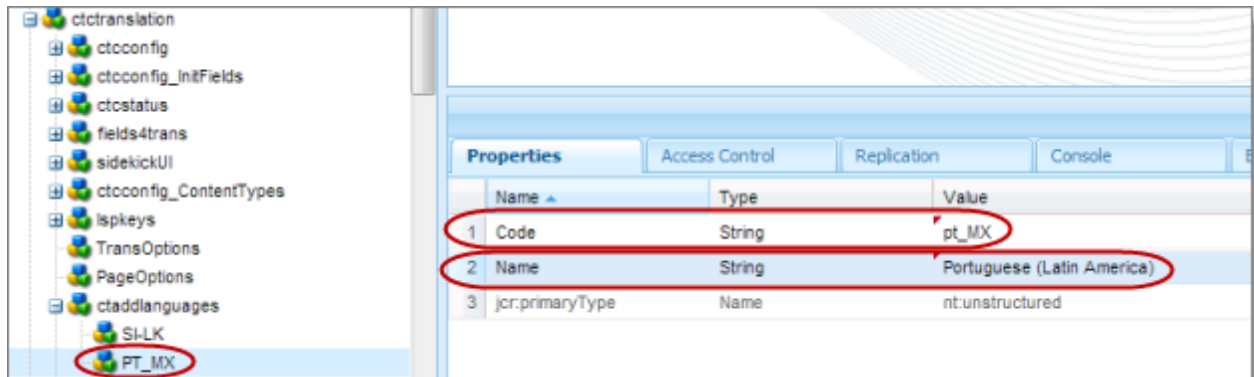
**Recommendation:** Use standard Clay Tablet language codes.

1. To add a custom language, do one of the following:
  - In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **CRXDE Lite**.
  - In the Classic UI of AEM, click **CRXDE Lite** in the right pane.
  - In your Web browser, navigate to `/crx/de/index.jsp` on your AEM instance.

**CRXDE** opens.
2. In the navigation pane on the left, navigate to `/etc/ctctranslation/ctaddlanguages`.
3. Select the sample language node, and copy and paste it as a new node.

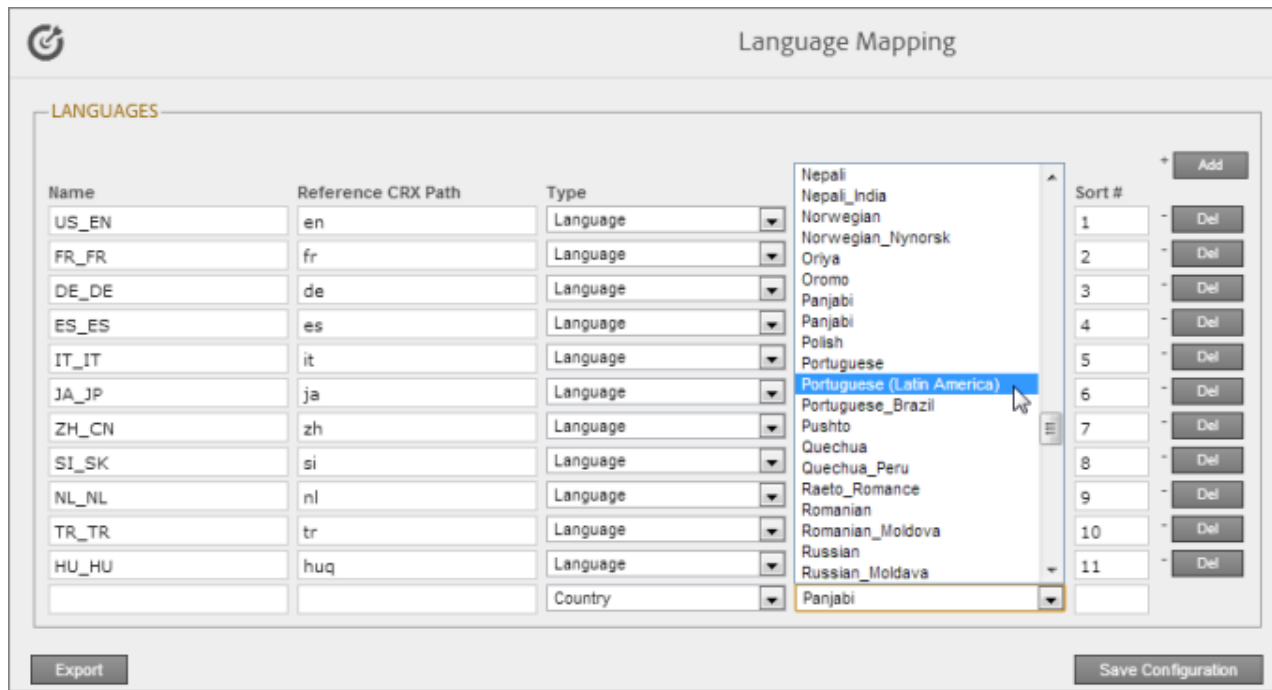


4. Rename the new node, and change the values of the **Code** and **Name** properties.



5. In the CRXDE Lite Menu, click **Save All**.

The new language code is now available for selection in the **Language Mapping** page, which is described on ["Configuring Connector Languages"](#) on page 42.



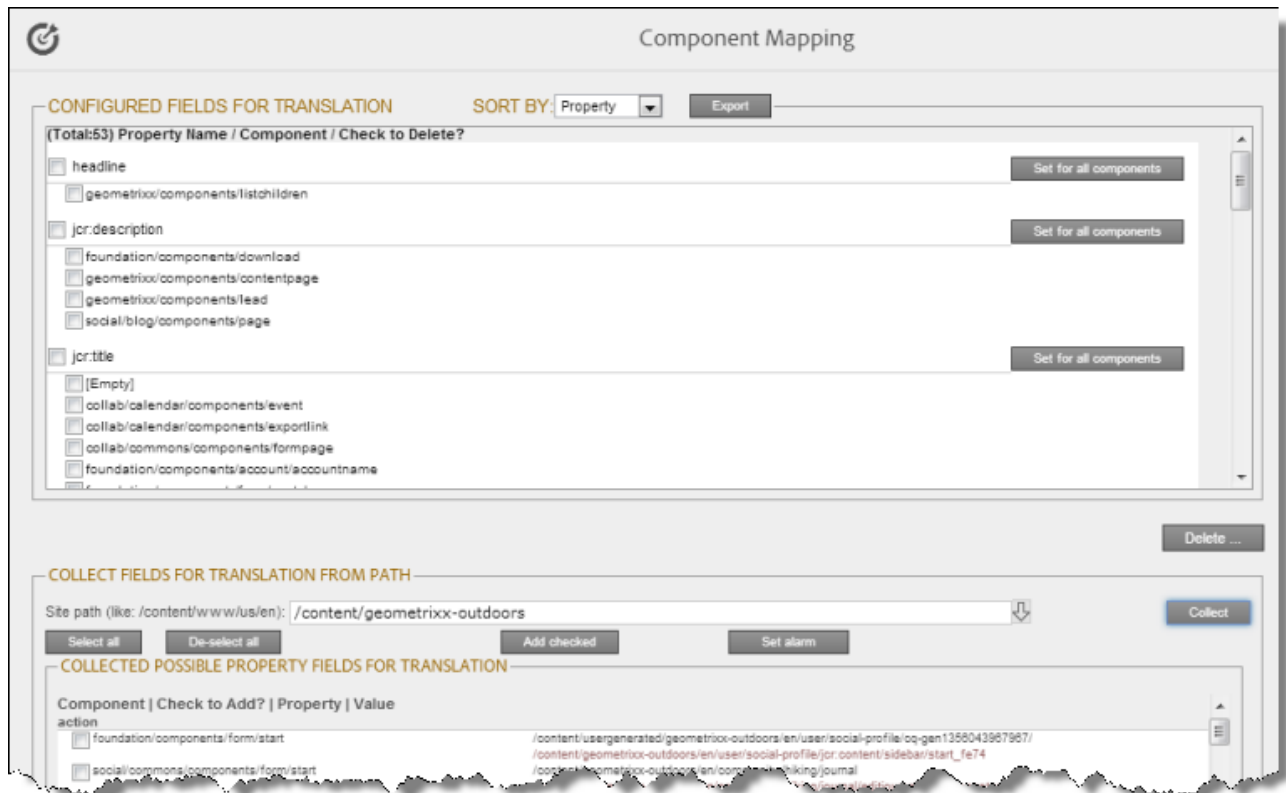
### 5.3 Configuring which Components and Properties to Send Out for Translation

The content of an AEM page is created from a collection of page *components*. A component has different *properties*, which are types of fields. You must configure which components and properties the Connector can send out for translation.

To configure which components and properties the Connector sends out for translation:


1. Click **Admin Tools > Component Mapping** in the Clay Tablet Connector rail to open the **Component Mapping** page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.

For information on using this page to subscribe to email notifications when new components are added, see "[Subscribing to Email Notifications about New Fields and Components](#)" on page 49.

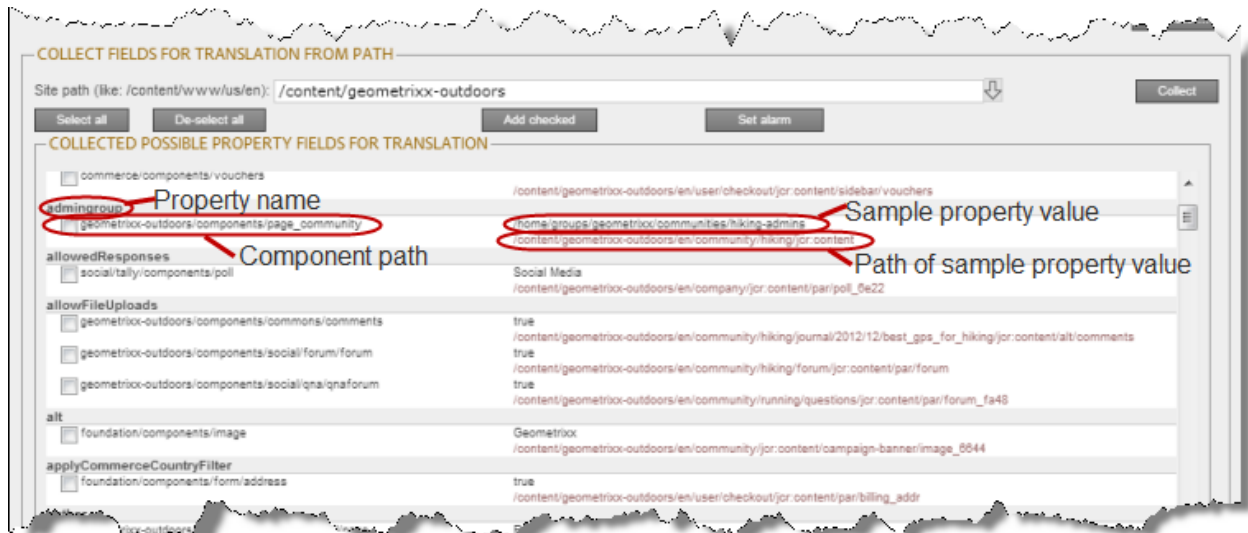


The **Configured Fields for Translation** section at the top of the page displays all the components and properties that are currently configured for the Connector to send out for translation.

2. Optional. You view a list organized either by property, or by the component.
  - To view the list organized by property, in the **Sort By** field, select `Property`. This is the default setting.
  - To view the list organized by component, in the **Sort By** field, select `Component`.
3. Optional. You can instruct the Connector to collect all properties that are in a specific component for translation. Similarly, you can instruct the Connector to collect all components that have a specific property for translation. You can also remove any component or property from the list, so that the Connector does not collect it to send for translation.
  - If you are viewing the list organized by property, then the properties are displayed in alphabetical order. Each component that has this property is displayed underneath it. The components are listed alphabetically by path.
    - To instruct the Connector to send all components with a specific property for translation, click the corresponding **Set for all components** button. The list under the property updates, and the Connector displays `[ALL]` instead of a list of all components.
    - To remove a component from the list for a property, select the corresponding check box and click **Delete**. This prevents the Connector from sending out for translation this property in this component.

- If you are viewing the list organized by component, then the components are displayed in alphabetical order. Each property in a component is displayed underneath it. If there are any properties displayed in all components, these are at the top of the list, under [ALL].
    - To remove a component from the list, so that the Connector does not send it out for translation, select the corresponding check box and click **Delete**.
    - To remove a property under a component from the list, so that the Connector does not send out that property for translation when it is in that component, select the corresponding check box and click **Delete**.
4. Optional. You can export as an XML file the list of fields that the Connector sends out for translation. Click **Export** at the top of this section. The Connector downloads the file.
  5. Optional. In the **Collect Fields for Translation from Path** section, you can add additional properties to the list that the Connector can send out for translation.
    - a. In the **Site path** field, specify the highest-level folder that contains the component with the properties you want to include.
      - Click the arrow at the end of the field , browse to the folder, and click **Select**.
      - Enter the CRX path of the folder in the following format: `/content/www/us/en`.
    - b. Click **Collect**.

The Connector searches all components and finds the string-type properties (fields) for all items. When it is done, the Connector displays the lists of properties in the specified folder in the **Collected Possible Property Fields for Translation** list. Under each property, the Connector displays the path of the component where it is located. To the right, the Connector displays the sample value of the string and underneath it, the path of origin of the sample value.





- c. Select the check boxes for all the properties you want the Connector to send out for translation.
- d. Click **Add checked**.

These property fields are now displayed in the **Configured Fields for Translation** section at the top of the page.

In the **Collected Possible Property Fields for Translation** section, you can also perform the following actions:

- ▶ To clear all selected check boxes, click **De-select all**.
- ▶ To select all check boxes, click **Select all**.
- ▶ To subscribe to email notifications when new components are added to your site, click **Set alarm**. For details, see "[Subscribing to Email Notifications about New Fields and Components](#)" on page 49.

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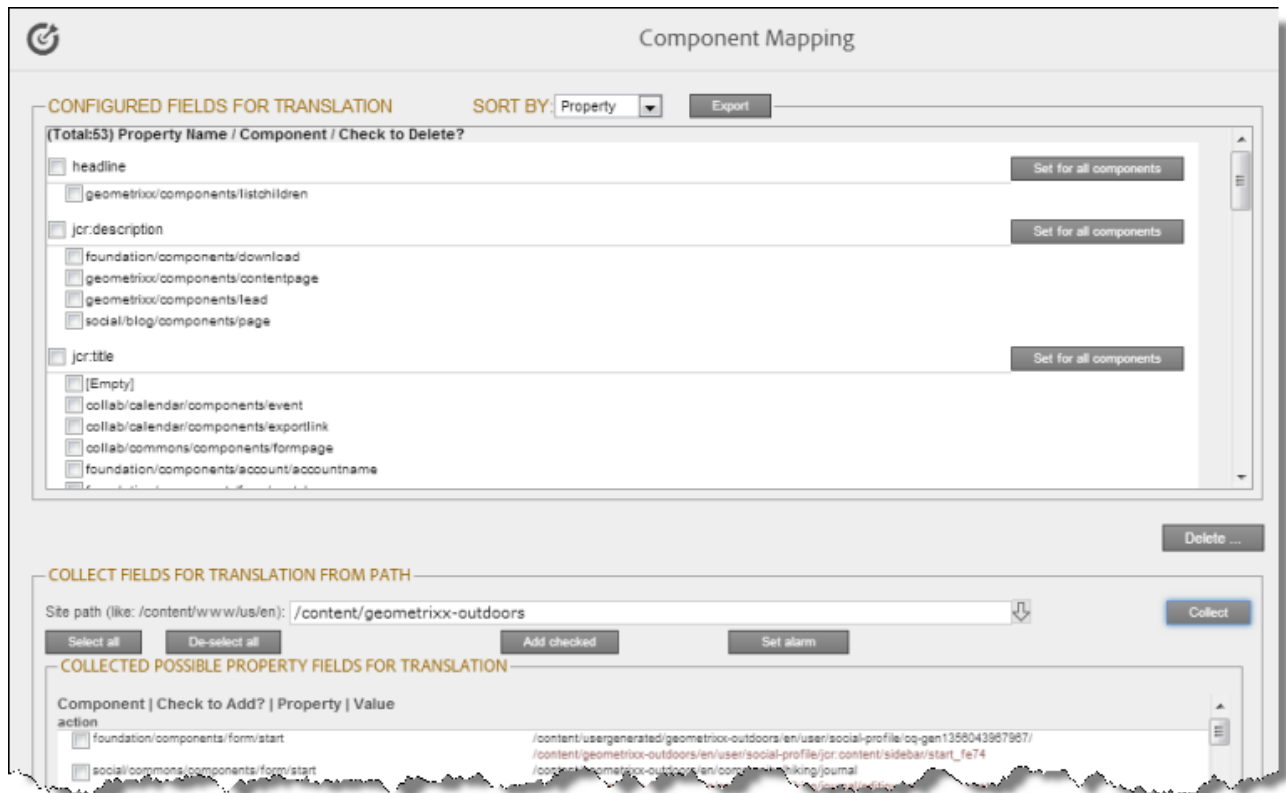
## 5.4 Subscribing to Email Notifications about New Fields and Components

If you are planning to add new components in the future, you can subscribe to receive email notifications when new components are added to your site. When new components are added, you receive an email notification listing the new components, and you can then configure the Connector to send out the new properties for translation.

Subscribing to email notifications about new fields and components is recommended in the following scenarios:

- If you want to collect a lot of content for translation, for example, if you are still building your site.
  - If you are planning to add new components in the future. When new components are added, the specified user receives an email notification listing the new components.
1. Click **Admin Tools > Component Mapping** in the Clay Tablet Connector rail to open the Component Mapping page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.

For information on using this page to configure which properties and components to send out for translation, see "[Configuring which Components and Properties to Send Out for Translation](#)" on page 46.



2. Click **Set alarm**.

The Setup alarm for new fields dialog box opens.

3. In the **Site path to search** box, type in the path to the content for which to receive email notifications when new components are added.
4. In the **Email address to notify** box, enter the email address that will receive email notifications when new components are added under the specified path.



5. Click **Save**.

Every hour, the Connector searches for and collects new components for translation. Whenever the Connector collects new components, it sends an email notification to the specified email address. The email notification is similar to the following:

```
From: claytabletqa@gmail.com [mailto:claytabletqa@gmail.com]
To: smith@example.com
Subject: Found 2 new Properties
```

Found 2 new added Properties.

1) Property Name: jcr:description

Value:

Component: foundation/components/form/text

Path: /content/geometrixx/en/toolbar/feedback/jcr:content/par/0002

2) Property Name: options

Value:

Component: foundation/components/form/dropdown

Path: /content/geometrixx/en/toolbar/profiles/edit/jcr:content/par/dropdown

6. After you receive this email notification, return to the **Component Mapping** page, and click **Load alarm fields**.

The **Collected Possible Property Fields for Translation** list displays the collected properties.

The screenshot shows the 'Component Mapping' interface. At the top, there's a 'COLLECT FIELDS FOR TRANSLATION FROM PATH' section with a text input for 'Site path (like: /content/www/us/en):' and a 'Collect' button. Below this are buttons for 'Select all', 'De-select all', 'Add checked', 'Set alarm', 'Load alarm fields', and 'Clear alarm fields'. The main section is titled 'COLLECTED POSSIBLE PROPERTY FIELDS FOR TRANSLATION' and contains a table with the following columns: Component, Check to Add, Property Name, Component Path, and Sample Property Value. The table lists various components and their associated properties. Two rows are highlighted with red circles and lines:

Component	Check to Add	Property Name	Component Path	Sample Property Value
foundation/components/form/start	<input checked="" type="checkbox"/>	jcr:description	/content/geometrixx/en/toolbar/feedback/jcr:content/par/0002	
foundation/components/form/start	<input checked="" type="checkbox"/>	options	/content/geometrixx/en/toolbar/profiles/edit/jcr:content/par/dropdown	

At the bottom of the page, it says 'Clay Tablet Connector V2.0 (Build: 2.0.2.5)' and '© 2014 Clay Tablet Tech'.

7. Select the check boxes for the properties to add, and click **Add checked**.

This configures the Connector to send out the selected properties for translation.

---

## 5.5 Configuring Translation Providers and Account License Keys

The Connector uses the license ID number you entered in "[Translation Platform](#)" on page 23 to generate the keys you configure in this section.

**Important - Account License Keys:** The Connector always initiates calls to the Clay Tablet Platform. However, the account license keys enable establishing a secure, discrete connection between the Connector instance and the Platform. Do not duplicate the account license keys or install them on multiple AEM Content Editor instances, because this is a violation of the Clay Tablet License Agreement. Using the same account license keys on multiple AEM Content Editor 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 support technical issues caused by duplicating or incorrectly installing account license keys only on a time and materials basis.

1. Click **Admin Tools > LSP and Keys** in the Clay Tablet Connector rail to open the **LSP & Keys** page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.

The **LSP and Related Keys** section displays the account keys for all configured translation providers. To export and download this information as an XML file, click **Export**.

2. To add a new translation provider and account license keys, in the top-right corner click **Add**.

**Note:** To update or remove the account license keys for a current translation provider, click **Edit** for that translation provider.

The **LSP & Keys** page expands.

The screenshot shows the 'LSP & Keys' configuration window. At the top, there is a table titled 'LSP AND RELATED KEYS' with an 'Export' button. The table has three columns: 'Name', 'Source Account', and 'Target Account'. A single row is visible with the following data: 'Machine Translation', 'DM-AEM56-AWS-producer', and 'ct-target-2011'. Below the table is a form for adding a new LSP. It includes a text field for 'LSP Name', a dropdown menu for 'Account (key)' with a 'Retrieve...' button, a 'Get key XML' button, a large text area for 'Source Key XML' with a 'Test...' button, and another large text area for 'Platform Key XML' with a 'Test...' button. At the bottom right of the form are 'Add ...' and 'Cancel' buttons.

3. In the **LSP Name** field, type the name of your translation provider.
4. In the **Account (key)** field, click **Retrieve** and select the account license key for the translation provider.

**Note:** After a key has been configured, you cannot select it again for use. It is displayed in the drop down list as unavailable, in gray.

**Tip:** If keys are not displayed in the dropdown list, verify that you entered the license ID in the **Translation Platform** section of the **Configuration** page, as described in "[Translation Platform](#)" on page 23. If keys are still not displayed, you may need to configure a proxy server, as described in "[Network Config](#)" on page 22.

5. Click **Get key XML**.

The **Source Key XML** and the **Platform Key XML** boxes are populated.

The screenshot shows the 'LSP & Keys' configuration window. It contains the following elements:

- LSP Name:** Machine Translation
- Account (key):** DM-AEM56-AWS-producer
- Get key XML:** A button to retrieve the source key XML.
- Source Key XML:** A text area containing XML data for the source account:
 

```
<com.claytablet.model.event.Account>
<id>DM-AEM56-AWS-producer</id>
<createDate>2013-11-27 16:55:04.63 EST</createDate>
<producerId>DM-AEM56-AWS-producer</producerId>
<active>true</active>
<email>DM-AEM56-AWS-producer@clay-tablet.net</email>
<publicKey>RwcbvmOeSNXmmrn1k0211j20jBSITKn</publicKey>
<privateKey>1qy7p3PwyrVqoFsNaUvtTYpyrjmm0VChTdAB3beOib51X76kV5kRGGfYyJ7Flek</privateKey>
<queueType>SQS</queueType>
<queueEndpoint>https://queue.amazonaws.com:443/984840798183/DM-AEM56-AWS-producer</queueEndpoint>
<storageType>S3</storageType>
<storageBucket>DM-AEM56-AWS-producer</storageBucket>
</com.claytablet.model.event.Account>
```
- Platform Key XML:** A text area containing XML data for the platform account:
 

```
<com.claytablet.model.event.Account>
<id>ct-target-2011</id>
<createDate>2011-11-11 10:33:02.968 EST</createDate>
<active>true</active>
<email>ct-target-2011@clay-tablet.net</email>
<publicKey>mB6M2TIs2DSIXGllptqdZCWSNFBNX3R</publicKey>
<privateKey>6Sv2B7hnUTPZJY3FbHrCTDjuNQkmpEhpJVaafzHF68+K3piOvcgr2GFYyJ7Flek</privateKey>
<queueType>SQS</queueType>
<queueEndpoint>https://queue.amazonaws.com:443/470359343257/ct-target-2011</queueEndpoint>
<storageType>S3</storageType>
<storageBucket>ct-target-2011</storageBucket>
</com.claytablet.model.event.Account>
```
- Test...:** Buttons next to each XML input box.
- Add ...:** A button at the bottom right.
- Cancel:** A button at the bottom right.

- Click **Test** beside the **Source Key XML** box.

A message box indicates whether the key passed the test.

- Click **Test** beside the **Platform Key XML** box.

A message box indicates whether the key passed the test.

- If testing passed, then click **Add**. This updates the **LSP Name**, **Source Account (key)**, and **Target Account (key)** fields.

- If you are adding additional translation providers, repeat steps 2-8 for each one to add.

After you add multiple translation providers, the **Default LSP** field is displayed.

- Select your default translation provider and click **Save**.

Name	Source Account	Target Account	
LSP 2	cq56-V2-testing-producer	ct-target-2011	Edit
Machine Translation	cq56-V2-testing-mt-producer	ct-target-2011	Edit

11. At the bottom of the page, click **Add** to save the keys for the new translation provider.

Alternatively, if you clicked **Edit** earlier for an existing translation provider, the following buttons are displayed instead:

- Click **Update** to save your changes to this translation provider.
- Click **Delete** to delete the account license keys for this translation provider.
- Click **Close** to close the bottom part of this page without saving any changes.

### 5.5.1 Configuring Translation Providers and Account License Keys when Installing a New or Updated Connector for AEM package

When you install a new or updated Connector for AEM package, you must reconfigure your translation providers and keys. If your keys are displayed in gray and you cannot select them when you attempt to retrieve them, please contact Clay Tablet Support to request releasing your license keys. For details, see ["How to Contact Clay Tablet Support"](#) on page 8.

Name	Source Account	Platform Account	Is Freeway?	
Freeway	DM-AEM56-AWS-FW-producer	ct-target-2011	Yes	Edit
Machine Translation	DM-AEM56-AWS-producer	ct-target-2011		Edit
Translation Provider 2	DM-AEM56-AWS-2-producer	ct-target-2011		Edit

LSP Name: Translation Provider 2

Account (key): --- select --- Retrieve...

Source Key XML: cq56-V2-testing-mt-producer (QA-CQ-56-CT2 , 192.168.1.172)  
cq56-V2-testing-producer (QA-CQ-56-CT2 , 192.168.1.172)

---

## 5.6 Configuring Connector Search Agents

The Connector can use a search agent to collect pages for translation in the Bulk Translation wizard. The Connector installs the following three pre-configured agents:

- Get current page
- Get all children pages
- Get current page and all children pages

You can create additional custom search agents to find any kind of content in your site for translation.

To make a custom search agent available to the Bulk Translation wizard:

1. Write a search agent as a Java class and upload it.

This Java class should implement the `PageSearchProcess` interface. It should use the following method: `public List<CollectedPage> collectPages4Translation(String searchRootPath, Session session, PageManager pageManager)`.

This requires the Connector for AEM API, which includes sample code. To request this API, contact Clay Tablet Support, as described on page 8.

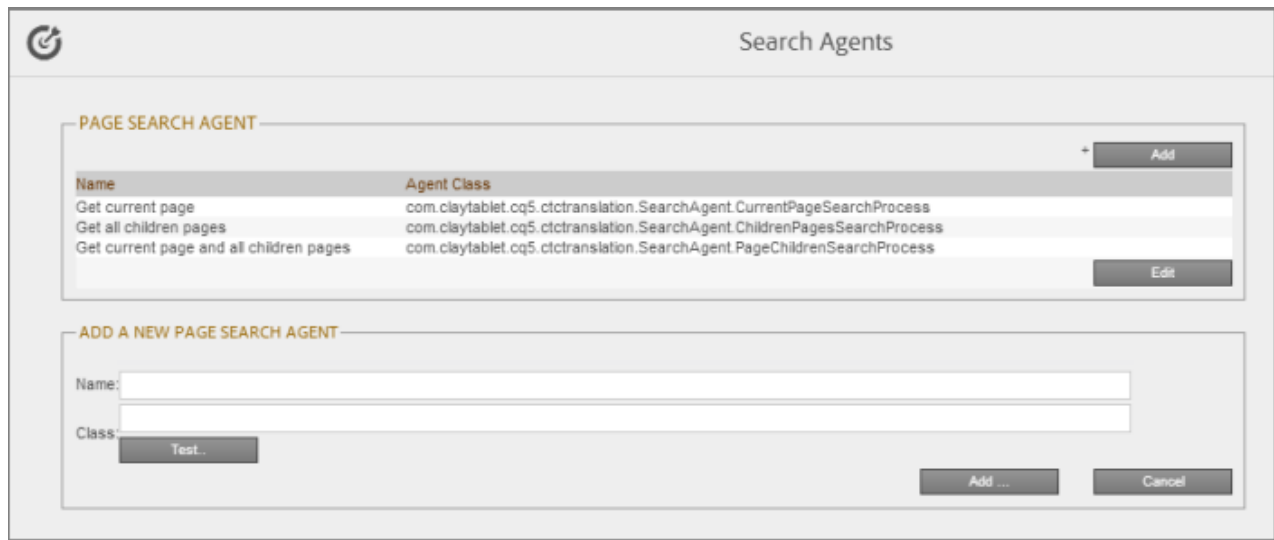
2. Upload the search agent you just created. You can do this either by including this in the Connector for AEM package you install, or you can install it separately using the Apache Felix Web Console, which you access at `/system/console/components` on your AEM instance.
3. Click **Admin Tools > Search Agents** in the Clay Tablet Connector rail to open the Search Agents page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.

The Search Agents page opens, displaying the pre-configured agents.

4. Click **Add** in the top-right corner of the page.

The page expands to display the **Add a New Page Search Agent** section.





5. In the **Add a New Page Search Agent** section, add the following information:

- **Name:** The name that will be displayed for the custom agent in the **Search using agent** dropdown list in the Bulk Translation wizard.
- **Class:** The Java class for the custom agent.

6. Click **Test**.

A window opens where you enter an AEM folder path. The Connector then calls the new agent class to search the path you entered. This tests whether the Connector can call the new agent and search successfully for pages.

7. If the test is successful, click **Add** at the bottom-right corner of the page to add the custom agent to the user interface of the Bulk Translation wizard.

## 5.7 Configuring Team Profiles

A team profile defines a set of Connector users who are allowed to send content out for translation from the specified source languages, to the specified target languages, using the specified translation providers.

To create a team profile:

1. Click **Admin Tools > Team Profiles** in the Clay Tablet Connector rail to open the **Team Profiles** page. For information on opening the Clay Tablet Connector rail, see "[Configuring the Clay Tablet Translation Connector](#)" on page 19.

The **Team Profiles** page opens, displaying any team profiles that have already been created.

2. Click **Add**.

The **Add New Profile** dialog box opens.

The screenshot shows a dialog box titled "Add new profile" with the following fields and values:

- Profile Name:** CTT Team
- Source Languages:** JA\_JP, ZH\_CN, SL\_SK, NL\_NL, TR\_TR, HU\_HU
- Target Languages:** US\_EN, FR\_FR, DE\_DE, ES\_ES, IT\_IT, JA\_JP, ZH\_CN, SL\_SK, NL\_NL, TR\_TR, HU\_HU
- LSPs:** Machine Translation
- Memeber:** aaron.mcdonald@mailinator.com, admin, andrew.schaeffer@trashymail.com, anonymous, aparker@geometrix.info, ashley.thompson@spambob.com, author, boyd.larsen@dodgit.com, carl.eastham@geometrix-media.com, carlene.j.avery@mailinator.com, charles.s.johnson@trashymail.com, charlotte.capp@geometrix-media.com, donna.bilups@pookmail.com, emily.andrews@mailinator.com, felicia.carter@trashymail.com, harold.w.gavin@spambob.com, iris.r.mccou@mailinator.com

Buttons at the bottom right: Save ..., Close

It is prepopulated with information about the last created or edited profile.

3. Specify the following information about the team:

Field	Description
Profile Name	The name of the team profile.
Source Languages	Select the source languages in which team members can send out content for translation. The list of available languages is based on the configured languages. For details, see " <a href="#">Configuring Connector Languages</a> " on page 42.
Target Languages	Select the target languages for which team members can send out content for translation. The list of available languages is based on the configured languages. For details, see " <a href="#">Configuring Connector Languages</a> " on page 42.

Field	Description
LSPs	Select the translation providers to which team members can send out content for translation. The list of available translation providers is based on the configured translation providers. For details, see " <a href="#">Configuring Translation Providers and Account License Keys</a> " on page 52.
Members	Select the AEM users and groups to include in the team profile: <ul style="list-style-type: none"> <li>■ AEM users are identified by their display names. If a display name is not configured for an AEM user, the email address is displayed instead.</li> <li>■ AEM groups are identified by the group names.</li> </ul>

**Tips:** Use the `Shift` key to select a range of items. Use the `Ctrl` key to select multiple non-adjacent items.

## 5.8 Configuring Custom Content Types

When you send content for translation using the Bulk Translation wizard, the Translation Queue, or Sidekick you can use the *content type* to filter the content you want to send.

**Note:** Specifying the content type in Sidekick is available only when working with the Sidekick wizard user interfaces.

Clay Tablet can also configure routing rules to send content of each type to a different translation provider. By default, the Connector includes three content types, which have the following default labels:

- Marketing
- Technical
- Legal

You can change these labels to reflect your company's needs. For example, you can send all your marketing content to your translation provider, and all your user-generated content to a machine translation service. In the Clay Tablet Platform, the Connector can configure content rules based on content types as follows:

- You can send different content types to different translation providers.
- You can send different content types to different TMSs (translation management systems).
- You can send different content types to different processing profiles within a single TMS instance.

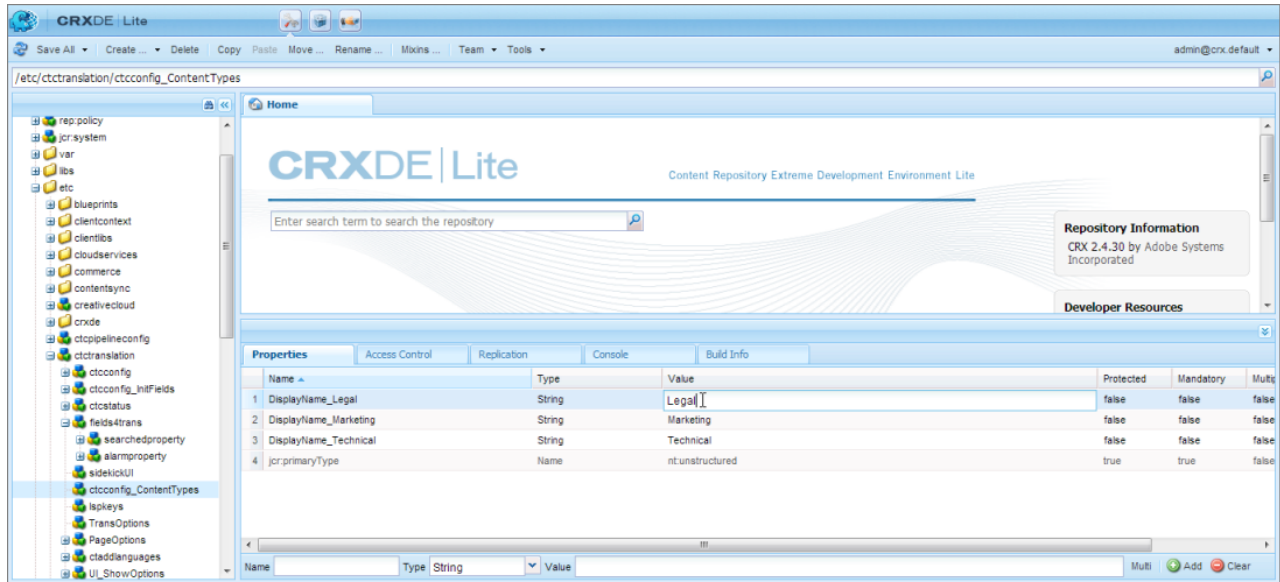
**Note:** Please contact Clay Tablet Support before proceeding. For details, see page 8.

1. Do one of the following to open **CRXDE Lite**, where you can configure custom content types:

- In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **CRXDE Lite**.
- In the Classic UI of AEM, click **CRXDE Lite** in the right pane.
- In your Web browser, navigate to `/crx/de/index.jsp` on your AEM instance.

**CRXDE Lite** opens.

- In the navigation pane on the left, navigate to `/etc/ctctranslation/ctcconfig_ContentTypes`.



- In the **Properties** tab in the **Home** tab, double-click in the **Value** column of the content-type label to change, and type the new label.
- Repeat the previous step for each content-type label you want to change.

## 5.9 Configuring the Rollout Feature

If the Rollout feature is enabled, then when users roll out files, the Connector automatically sends them to the Translation Queue, using your company's default translation settings. You can configure the Connector to send all your rollout pages to the Translation Queue, or you can configure the Connector to send only some of your rollout pages to the Translation Queue. This determines which of the following two configuration methods to use.

### Configure the Connector to send all rollout pages to the Translation Queue

- In the Translation Settings section of the Configuration page, select the **Catch rollout pages to [Rollout] Queue** check box. For details, see "[Translation Setting](#)" on page 27.
- When creating a Livecopy site, use the default AEM rollout config.

### Configure the Connector to send only some rollout pages to the Translation Queue

- In the Translation Settings section of the Configuration page, clear the **Catch rollout pages to [Rollout] Queue** check box. For details, see "[Translation Setting](#)" on page 27.

2. Create your own rollout config in CRXDE Lite that includes the `CTCRolloutTranslation` workflow. For detailed instructions on creating a rollout config, refer to the AEM documentation at: [http://dev.day.com/docs/en/cq/current/administering/multi\\_site\\_manager.html#Creating a Rollout Configuration](http://dev.day.com/docs/en/cq/current/administering/multi_site_manager.html#Creating a Rollout Configuration). For a description of the `CTCRolloutTranslation` workflow, see "Viewing the Rollout Workflow" on page 64.
3. When creating a Livecopy site, select the rollout config you created.

## 6 Integrating the Connector with AEM Workflows

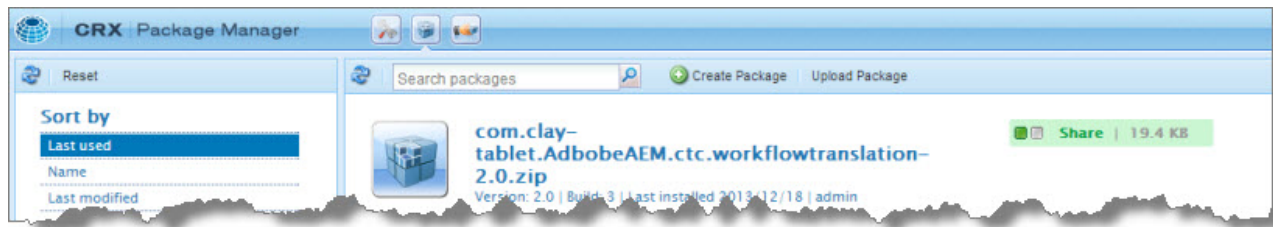
This section is optional. The core Connector workflow package includes the `CTCRestoreOriginalSync` and `CTCRolloutTranslation` workflows. If you want to use the `Sample_CT_Workflow_Translation` workflow, you install the optional workflow package.

Workflow	Description
CTCRestoreOriginalSync	If the <b>Leave component unlock after putting back translated content</b> is specified, you can run this workflow to lock components and restore their original inheritance. This workflow does not require installation or customization. For a description of this workflow, see page 65.
CTCRolloutTranslation	This is the sample workflow for sending out files for translation when you roll out files. If you use this method to set up the rollout integration with the Connector, you include this workflow in your own rollout config. This workflow does not require installation or customization. For a description of this workflow, see page 64.  <b>Note:</b> Alternatively, you can use the <b>Catch rollout pages to [Rollout] Queue</b> setting in the Translation Setting section of the Configuration page to set up the rollout integration with the Connector. For details, see " <a href="#">Translation Setting</a> " on page 27. For more information on configuring this feature, see page 60.
Sample_CT_Workflow_Translation	You can use the <code>Sample_CT_Workflow_Translation</code> workflow to send a page to the Translation Queue. You can customize this workflow. <ul style="list-style-type: none"> <li>■ For instructions on installing this workflow, see page 62.</li> <li>■ For instructions on customizing this workflow, see page 63.</li> </ul>

### 6.1 Installing the Optional Workflow Package

- To install the optional workflow package, so that you can use the `Sample_CT_Workflow_Translation` workflow, do one of the following:
  - In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **Packages**.
  - In the Classic UI of AEM, scroll down and click **Packages** in the right pane.
  - In your Web browser, navigate to `/crx/packmgr/index.jsp` on your AEM instance.


The **CRX Package Manager** opens.



2. Click the Clay Tablet Sample Workflow package, and follow the on-screen instructions to install it.
3. After the package is installed, do one of the following to open the **CQ5 Workflow** page:
  - In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **CQ Operations** section, click **Workflows**.
  - In the Classic UI of AEM, click **Workflows** in the right pane.
  - In your Web browser, navigate to `/libs/cq/workflow/content/console.html` on your AEM instance.

The workflows you installed are displayed in the page.

4. To customize a workflow, click to select it, and then right-click and select **Edit** from the context menu.


**Tip:** To locate the `Sample_CT_Workflow_Translation` workflow, click the Next Page button .

For instructions on customizing the `Sample_CT_Workflow_Translation` workflow, see page 63.

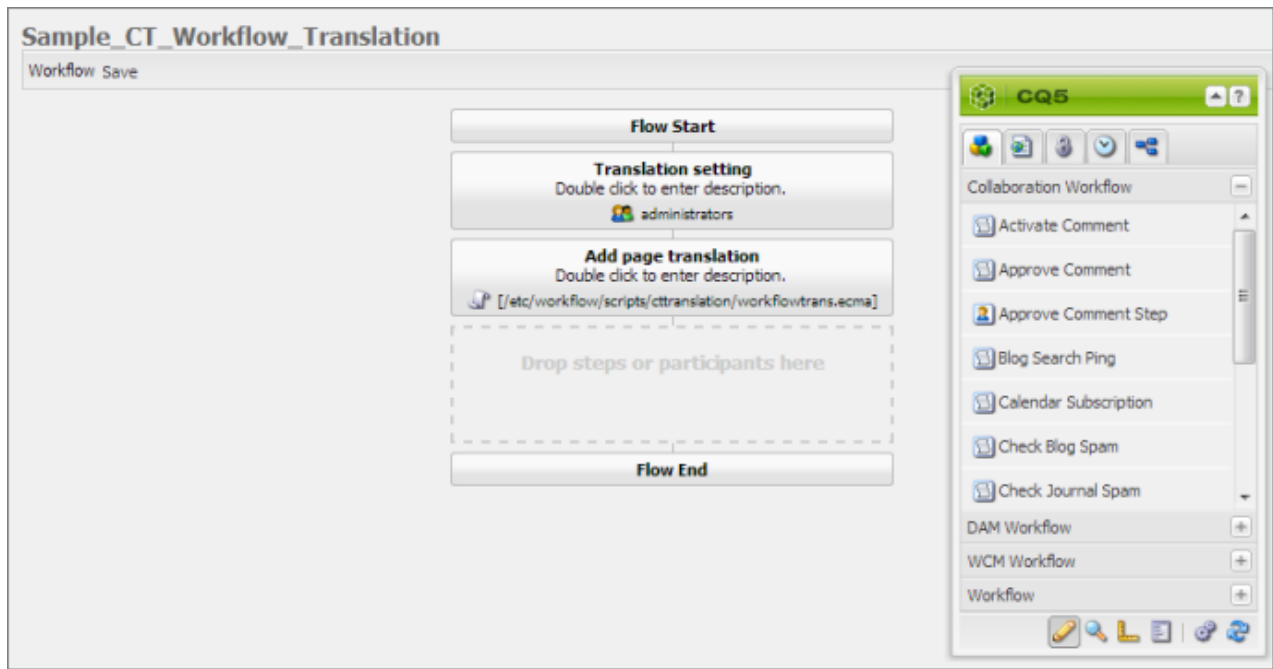
### 6.1.1 Customizing the Standard Translation Workflow

You can customize the `Sample_CT_Workflow_Translation` workflow, which you can use to send a page to the Translation Queue.

1. Open the **CQ5 Workflow** page, as described on page 62.
2. Locate the `Sample_CT_Workflow_Translation` workflow. Click to select it, and then right-click and select **Edit** from the context menu.

**Tip:** To locate the `Sample_CT_Workflow_Translation` workflow, click the Next Page button .

The workflow opens in a new browser tab.



By default, this workflow includes the following two steps, which are required to integrate AEM with the Connector processes:

- **Translation setting:** This is a *participant* type of workflow step, where a user must specify some translation settings and can enter comments.
- **Add page translation:** This is a *process* type of workflow step, where Connector retrieves translation settings from the previous step and adds page translation properties.

**Warning:** Do not modify these steps, except for the titles. Otherwise the Connector integration with the AEM workflow may not work properly.

You can add additional steps as needed to meet your company's business requirements. For detailed instructions on setting up workflows, refer to the AEM workflow documentation, available at: <http://dev.day.com/docs/en/cq/current/workflows/wf-overview.html>.

## 6.2 Viewing the Rollout Workflow

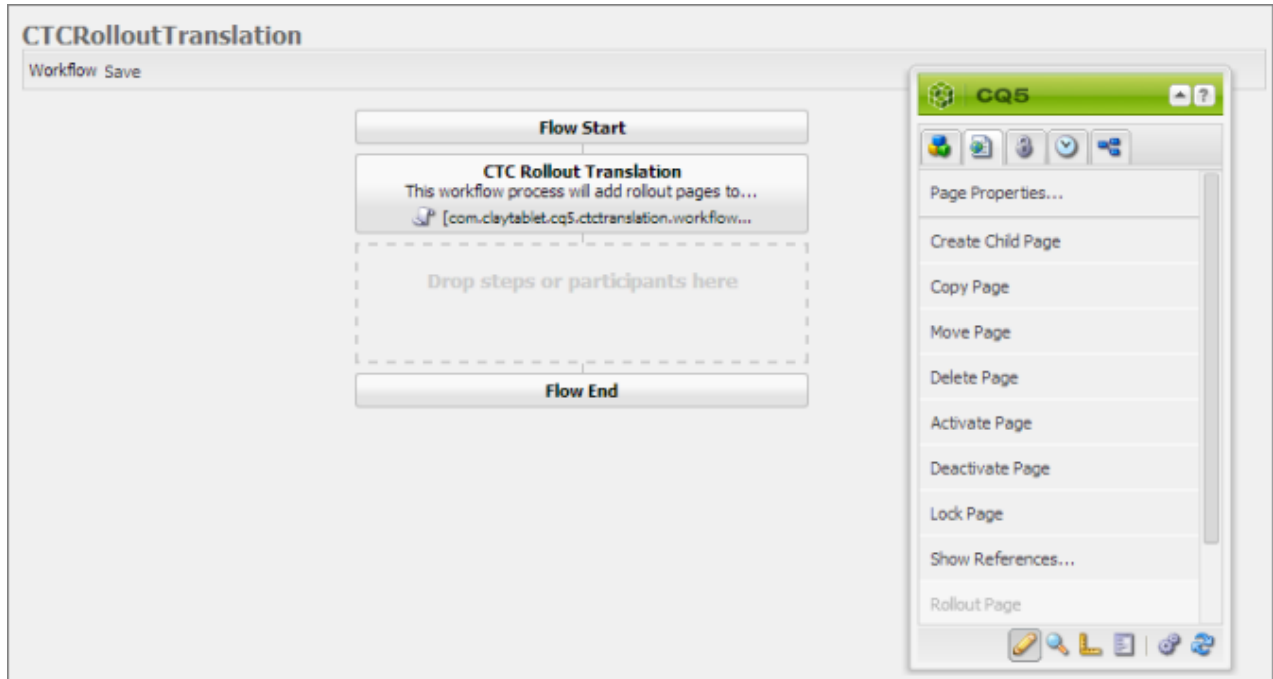
You can add the `CTCRolloutTranslation` workflow to your custom rollout config to integrate the Connector with rollout. This is the configuration method to use when you want the Connector to send only some rollout files to the Translation Queue.

**Note:** Alternatively, you can use the **Catch rollout pages to [Rollout] Queue** setting in the Translation Setting section of the Configuration page to enable this functionality, as described in "[Translation Setting](#)" on page 27. This option is the configuration method to use when you want the Connector to send out all rollout files to the Translation Queue. For more information about configuring this feature, see page 60.



1. Open the **CQ5 Workflow** page, as described on page 62.
2. Locate the `CTCRolloutTranslation` workflow. Click to select it, and then right-click and select **Edit** from the context menu.

The workflow opens in a new browser tab.



By default, this workflow includes the **CTC Rollout Translation** step, which is required to integrate AEM with the Connector processes. This is a *process* type of workflow step, where Connector adds rollout pages to the Translation Queue.

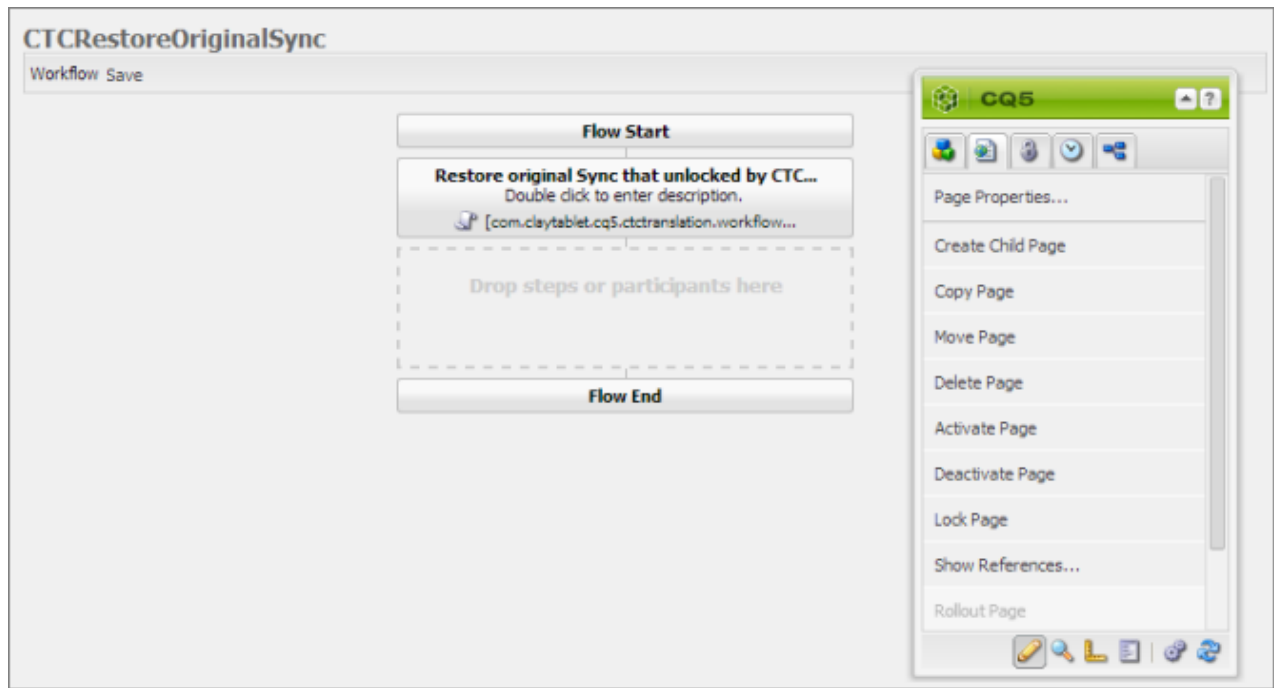
**Warning:** Do not modify this step, except for the title. Otherwise the Connector integration with the AEM workflow may not work properly.

## 6.3 Viewing the Restore Original Sync Workflow

You can view the `CTCRestoreOriginalSync` workflow. After users send out components for translation, they can use this workflow to relock them to restore their original inheritance.

1. Open the **CQ5 Workflow** page, as described on page 62.
2. Locate the `CTCRestoreOriginalSync` workflow. Click to select it, and then right-click and select **Edit** from the context menu.

The workflow opens in a new browser tab.



By default, this workflow includes the **Restore original Sync that unlocked by CTC translation** step, which is required to integrate AEM with the Connector processes. This is a *process* type of workflow step, where Connector relocks components and restores their original inheritance.

**Warning:** Do not modify this step, except for the title. Otherwise the Connector integration with the AEM workflow may not work properly.

---

## 7 Installing and Configuring the Clay Tablet Translation Connector in a Clustered Environment

This section describes how to install the Connector in a clustered environment. It assumes that you are upgrading the Connector from a non-clustered environment to a clustered environment.

---

### 7.1 Before You Install

Before you begin to install the Connector for AEM in a clustered environment, please review the system requirements, described on "[System Requirements](#)" on page 9, and verify that each host that will be a cluster node in the cluster meets the requirements.

1. Prevent users from deliberately or accidentally sending items for translation during the upgrade process.

**Recommendation:** Remove users from groups with permission to send new translation jobs.

2. "[Setting Your System Date, Time, and Time Zone Correctly](#)" on page 9. Do this on each host that will be a cluster node.
3. "[Downloading the Delivery Package](#)" on page 10. Do this once. Save the package to a location that is accessible to all hosts that will be cluster nodes.
4. "[Creating a Clay Tablet Translation Connector Database on your Database Server Instance](#)" on page 10. Ensure that the database is accessible to all hosts that will be cluster nodes.
5. "[Creating the Clay Tablet Translation Connector Folders](#)" on page 11. These are the folders where the Connector stores your licensing information and your translation data. Create one set of folders and sub-folders. Ensure that the folders will be accessible to all nodes in the cluster.

**Recommendation:** Implement a Network Attached Storage (NAS) or Network File System (NFS) solution to ensure that the folders will be accessible to all nodes in the cluster.

---

### 7.2 Installing, Configuring, and Testing the Connector on the First Node in the Cluster

Follow these instructions to install, configure, and test the Connector on the host that will be the first node in the cluster:

1. Install the Connector installation package you downloaded earlier (`com.clay-tablet.cq5.6.1.ctc.client-2.0.zip`) on the first node in your cluster. For detailed instructions, see "[Installing the Clay Tablet Translation Connector](#)" on page 13.
2. Disable all Clay Tablet services.
3. Perform the post-installation tasks, as described in "[Post-Installation Tasks](#)" on page 14.

4. Configure the Connector, as described in ["Configuring the Clay Tablet Translation Connector"](#) on page 19.
5. Test your configuration by sending a few content pages to the Machine Translation provider.
  - If your test is successful, proceed to the next step.
  - If your test fails, contact Clay Tablet Support. For details, see ["How to Contact Clay Tablet Support"](#) on page 8.
6. In your AEM instance, in your Web browser, navigate to `/system/console/components`.

The **Adobe Experience Manager Web Console Components** option opens.

7. Click the Disable buttons  in the **Actions** column to disable the following components:
  - `com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCPrepareServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl`

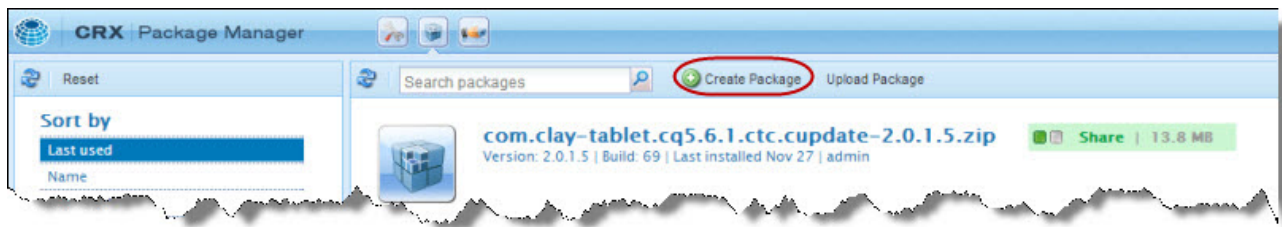
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## 7.3 Building an AEM Package from the First Node in the Cluster

From the host that is the first node in the cluster, you build an AEM package from `etc/ctctranslation`:

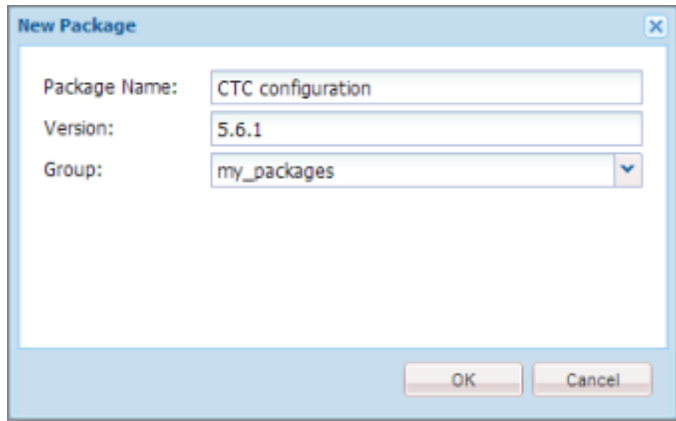
1. Do one of the following:
  - In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **Packages**.
  - In the Classic UI of AEM, scroll down and click **Packages** in the right pane.
  - In your Web browser, navigate to `/crx/packmgr/index.jsp` on your AEM instance.

The **CRX Package Manager** opens.



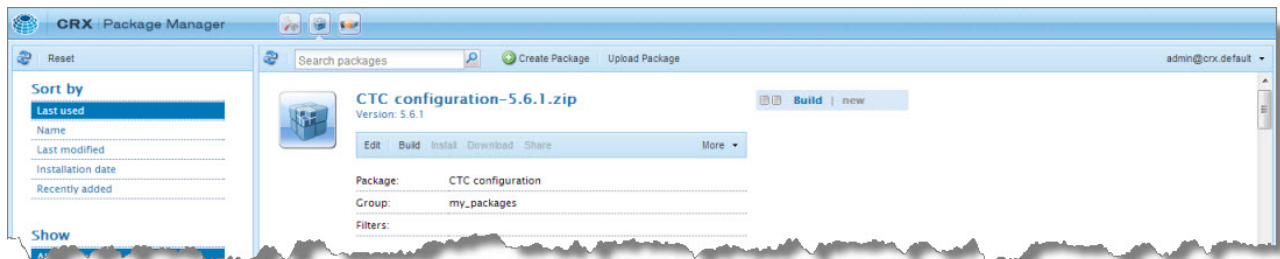
2. Click **Create Package**.

The **New Package** dialog box opens.



3. Enter a name, version, and group for your package, and click **OK**.

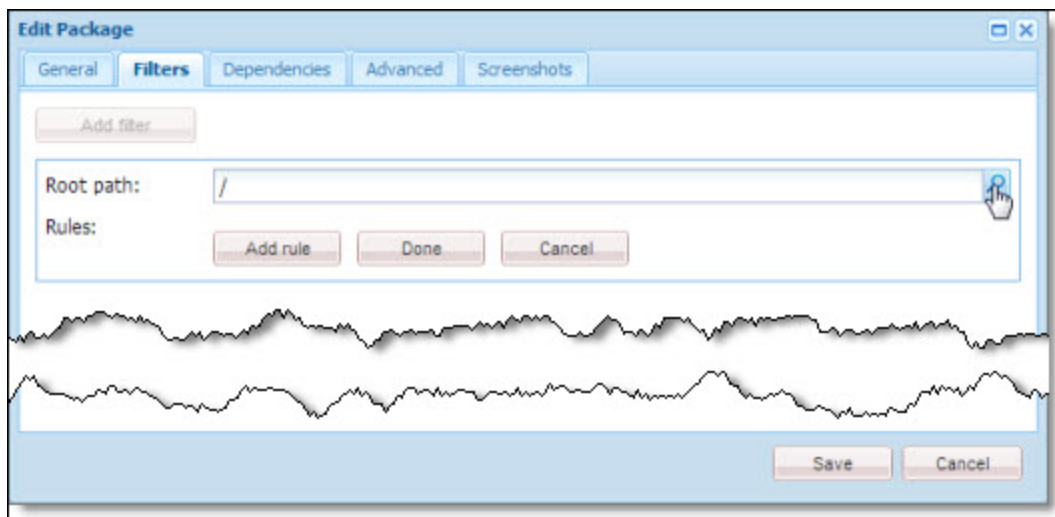
The **Package Manager** displays the new package at the top of the page.



4. Click **Edit**.

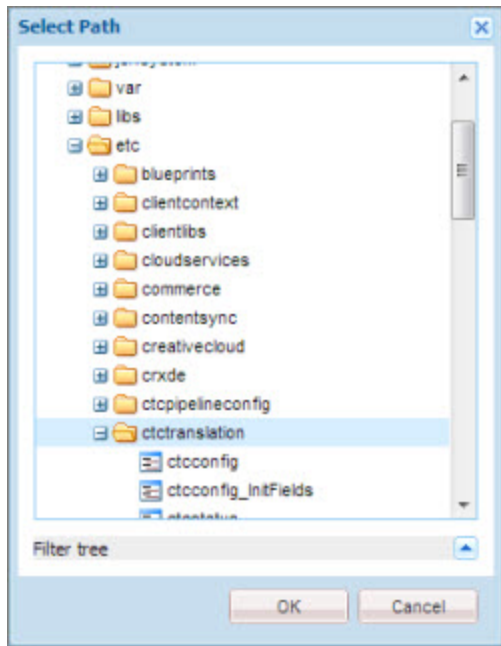
The **Edit Package** dialog box opens.

5. Click the **Filters** tab and then click the magnifying glass button for the **Root path** field.



The **Select Path** dialog box opens.

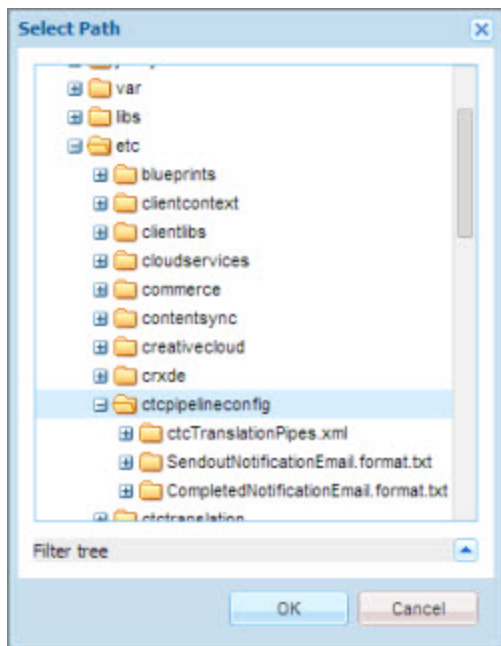
6. Navigate to `etc/ctctranslation` and click **OK**.



7. Click **Add Filter**.

8. Click the magnifying glass button for the **Root path** field.

9. Navigate to `etc/ctcpipelineconfig` and click **OK**.



10. Click **Save** to close the Edit Package dialog box.
11. Click **Build** to build the package.

A message box prompts you to confirm that you want to build the package.

12. Click **Build** to proceed.

---

## 7.4 Installing the Connector on the Remaining Nodes in the Cluster

Now you are ready to install and configure the Connector on the rest of the nodes in the cluster. Repeat the following steps on each node in the cluster:


1. Install the Connector installation package you downloaded earlier (`com.clay-tablet.cq5.6.1.ctc.client-2.0.zip`). For detailed instructions, see "[Installing the Clay Tablet Translation Connector](#)" on page 13.
2. As soon as you finish installing the Connector on a node, immediately disable all Clay Tablet services.
3. Install the package you created in "[Building an AEM Package from the First Node in the Cluster](#)" on page 68.
4. Do one of the following:

- In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **Packages**.
- In the Classic UI of AEM, scroll down and click **Packages** in the right pane.
- In your Web browser, navigate to `/crx/packmgr/index.jsp` on your AEM instance.

The **Package Manager** opens.

5. Click the Connector package name and follow the on-screen instructions.
6. In your AEM instance, in your Web browser, navigate to `/system/console/components`.

The **Adobe Experience Manager Web Console Components** page opens.

7. Click the Disable buttons  in the **Actions** column to disable the following components:
  - `com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCPrepareServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl`
  - `com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl`

**Note:** You must disable these components on all the nodes in the cluster before testing the configuration. You can enable or disable these components on all nodes using the `ServicesConfigXML` property of the `/etc/ctctranslation/ctcconfig` file. For details, see "[Turning Services On and Off on All Cluster Nodes](#)" on page 72.

---

## 7.5 Turning Services On and Off on All Cluster Nodes

By default, all Clay Tablet services are running. In a single-node environment, all services should be running, and they are started by default.

In a clustered environment, only one instance of the following Clay Tablet service should be running:

- `com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCPrepareServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl`

This means either:

- All the services can run on a single node in the cluster. The services are disabled on all other nodes in the cluster.
- Different services can run on different nodes in the cluster. For example, `PreparingService` and `UploadService` run on node 1, `StatusService` and `DownloadService` run on node 2, and `UpdateTMServlet` runs on node 3. All other instances of the services on all nodes are turned off.

You can create the `ServicesConfigXML` property of the `/etc/ctctranslation/ctcconfig` file to facilitate turning these services off and on all cluster nodes.

To create this configuration option:

1. In Notepad or another text editor, create a configuration file, with content similar to the following:

```
<com.claytablet.cq5.ctctranslation.config.CTCServicesConfig>
  <PrepareService>false</PrepareService>
  <UploadService>true</UploadService>
  <StatusService>true</StatusService>
  <DownloadService>true</DownloadService>
  <UpdateTMServlet>false</UpdateTMServlet>
</com.claytablet.cq5.ctctranslation.config.CTCServicesConfig>
```



2. Save this as an XML file, with UTF-8 encoding and without BOM (Byte Order Mark), for example, save this file as `c:\ctctranslation_data\serviceconfig\serviceconfig.xml`.

3. Do one of the following to open **CRXDE Lite**:

- In the Touch-Optimized UI of AEM, click **Tools** in the AEM rail. Then, in the **Granite Operations** section, click **CRXDE Lite**.
- In the Classic UI of AEM, click **CRXDE Lite** in the right pane.
- In your Web browser, navigate to `/crx/de/index.jsp` on your AEM instance.

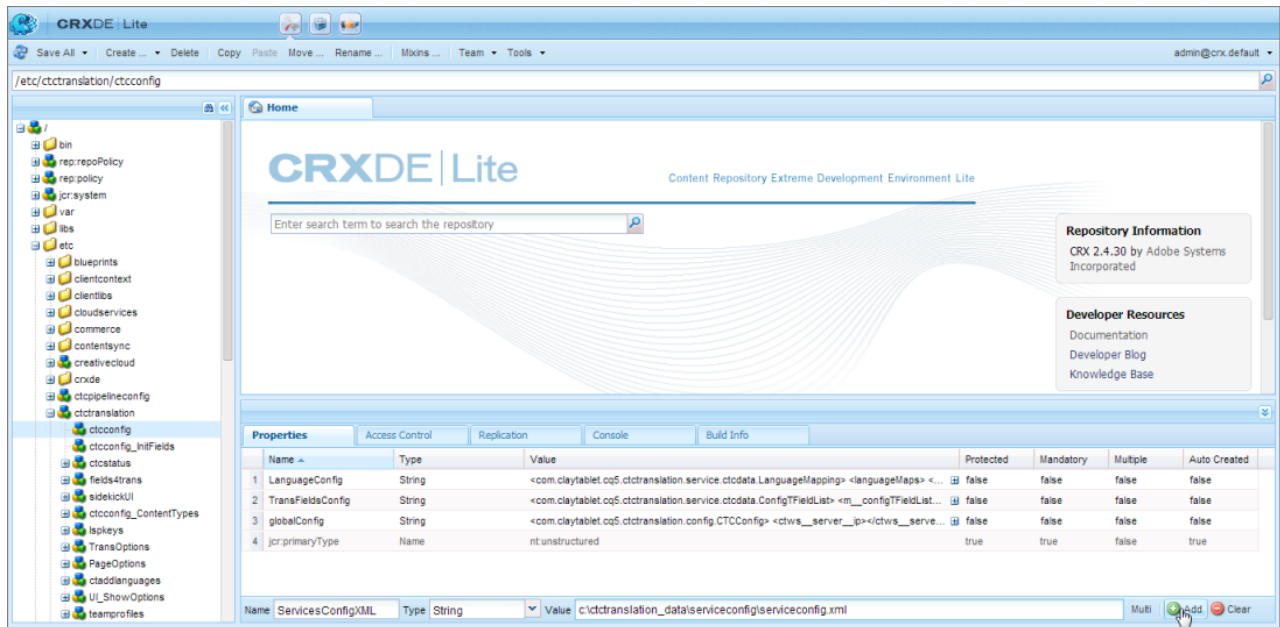
**CRXDE Lite** opens.

4. In the navigation pane on the left, navigate to `/etc/ctctranslation/ctcconfig`.

5. At the bottom of the page, enter the following information to create the `ServicesConfigXML` property:

- **Name:** `ServicesConfigXML`.
- **Type:** `String` (the default selection).
- **Value:** The path to the XML file you created, for example: `c:\ctctranslation_data\serviceconfig\serviceconfig.xml`.

6. Click **Add**.



## 7.6 Testing the Cluster Configuration

Before testing the configuration, you must disable the following components on all the nodes in the cluster:

- `com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCPrepareServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl`

You can use the `ServicesConfigXML` property of the `/etc/ctctranslation/ctcconfig` file to facilitate disabling these components on all nodes. For details, see ["Turning Services On and Off on All Cluster Nodes"](#) on page 72.

You enable these disabled components on a single cluster node before testing.

1. In your AEM instance, in your Web browser, navigate to `/system/console/components`.

The Adobe Experience Manager Web Console Components option opens.

2. Click the Enable buttons  in the **Actions** column to enable the following components:

- `com.claytablet.cq5.ctctranslation.impl.CTCDownloadServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCPrepareServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCStatusServiceImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCUpdateTMServletImpl`
- `com.claytablet.cq5.ctctranslation.impl.CTCUploadServiceImpl`

3. Test your configuration by sending a few content pages to the Machine Translation provider.

- If your test is successful, you are done.
- If your test fails, contact Clay Tablet Support. For details, see page 8.

## 8 Pre-Production Testing

After you complete the configuration, your Clay Tablet Translation Connector for Adobe Experience Manager 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 *Clay Tablet Translation Connector for Adobe Experience Manager 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 Clay Tablet Support. For details, see "[How to Contact Clay Tablet Support](#)" on page 8.