



Clay Tablet Connector for SDL TMS

Installation and Configuration Guide

Version 2.9.6

April 15, 2016

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1 Welcome to the Clay Tablet Translation Connector for SDL TMS

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

1.1 Terminology

Amazon AWS	Amazon Web Services. A suite of web application products developed and sold by Amazon.com. Clay Tablet uses various AWS offerings in order to leverage their infrastructure and build rich, dynamic solutions for its customers, specifically, the Clay Tablet Platform. For details, see http://aws.amazon.com .
Amazon S3	Amazon Simple Storage Service. For details, see: http://aws.amazon.com/s3/ . The Connector and the Clay Tablet Platform use Amazon S3 to provide temporary storage services for the content sent to and from translation.
Amazon SQS	Amazon Simple Queue Service. For details, see: http://aws.amazon.com/sqs/ . The Connector uses Amazon SQS to provide Message Queue Services.
Clay Tablet (CTT)	Clay Tablet Technologies, the corporate entity that publishes the Clay Tablet Connector and the Clay Tablet Platform.
Clay Tablet Connector for SDL TMS ("Connector")	The connector software that Clay Tablet Technologies has developed and provides, which plugs into your SDL TMS installation to provide connectivity to our hosted Platform. In this document it is referred to as the Connector. This is the software you are installing and configuring as you work through this document.
Clay Tablet Platform	The hosted (IaaS) connectivity platform that receives and routes content from content systems, including content management systems (CMSs), to translation providers and back during implementation. Clay Tablet Technologies configures the Platform based on the number and nature of systems involved in your system architecture.
CTA (Content Transfer API)	CTA (Content Transfer API) is the SDL TMS API that the Connector uses to interface with SDL TMS.
IaaS	Infrastructure as a Service. The Clay Tablet Platform is an IaaS, because it is a hosted platform.

Keys	The Connector uses keys to establish a secure, discrete connection between the Connector instance and the Platform. Very important: Do not copy the keys to multiple instances, because this is a violation of the Clay Tablet License Agreement. Using the same keys on multiple 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 keys on a time and materials basis.
MT	Machine translation. The translation provider can be a machine translation service, such as Google Translate.
On-Premise Platform	A version of the Clay Tablet Platform that is hosted on the premises of the Clay Tablet client, instead of on AWS.
Producer	CMS or another system that sends content or documents out for translation.
Provider	A provider of translation services, such as SDL TMS. The Connector delivers content to the provider for translation.
TMS	A translation management system that the translation provider uses.

1.2 About the Clay Tablet Translation Platform

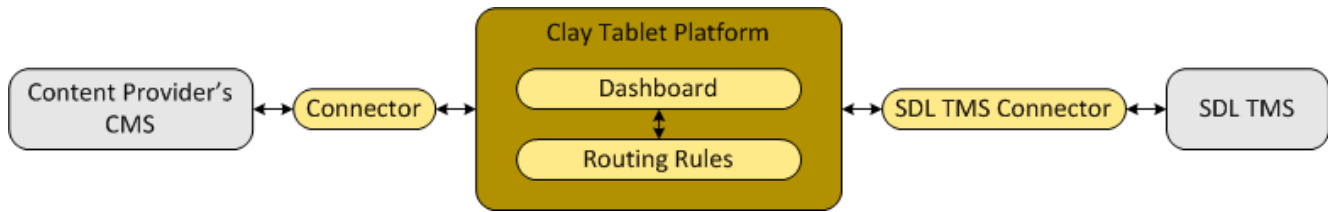
Clay Tablet's translation connectivity platform is the easiest, most flexible way to integrate content management systems (CMSs) with translation providers and translation technologies.

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 both the content producer and its content management system (CMS), and the translation provider and its translation technologies. The Clay Tablet Platform uses the following services on AWS:

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

1.3 How the Clay Tablet Translation Connector Works with SDL TMS

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 SDL TMS.



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

During implementation, Clay Tablet works with you and your content producers to configure and test the other elements of your translation solution, which are the Clay Tablet Platform's connections to your content producer's content management system (CMS).

The Connector does not listen on any port. All network communication is outgoing:

- The Connector periodically samples SQS messages that the Clay Tablet Platform for new translation jobs:
 1. When there is a new job, the Connector downloads the files for translation from S3.
 2. When all files are downloaded, the Connector creates a new job in SDL TMS with all the files to translate.
- Via CTA (SDL TMS's Content Transfer API), the Connector periodically samples SDL TMS to check the status of the jobs it created.

Background: When a translator completes the translation for a file in a job, the file is in the `TCR` (Translation Content Retrieval) state in SDL TMS .

1. When the Connector finds a file in the `TCR` state, it downloads the translated file from SDL TMS, and it sends it back to the Clay Tablet Platform via SQS/S3.
2. The Clay Tablet Platform sends the translated file back to the CMS, where the translation job was initiated.
3. When the CMS acknowledges that it has successfully received the translated file, the Connector sends a `L10NCompleteRequest` message to SDL TMS about the file.

Note: The Connector does not wait for *all* files in a job to reach the `TCR` state. It downloads the individual translated files as soon as they reach the `TCR` state.

Note about using the Connector with multiple SDL TMS instances: One Connector instance can connect with only one SDL TMS instance. However, in the SDL TMS server configuration file, you can configure the URL to use multiple clients in that TMS instance, based on the translation content type or the origin of the translation content. In the same configuration file, you can also configure the GUID of the clients to use.

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 for SDL TMS ("Connector") at a translation provider. It describes the delivery package contents, system requirements, installation instructions, and configuration procedures.

Who should use this guide

This guide is intended for system integrators and system administrators.

What you should already know

This document assumes that your company is a translation provider that already has an installed SDL TMS instance. It assumes that you have a strong working knowledge of SDL TMS and its setup.

Documentation conventions

This guide uses the following conventions:

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

1.5 How to Contact Clay Tablet Support

Email @: support@clay-tablet.com

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

2 Before You Install

Before you begin to install the Clay Tablet Translation Connector for SDL TMS ("Connector"), please review the system requirements, described below, and then perform the pre-installation procedures that follow.

2.1 System Requirements

The Clay Tablet Translation Connector for SDL TMS ("Connector") has the following system requirements:

Operating System	Any operating system that supports Java 8.
Memory	256 MB minimum.
Processor	Pentium 2 266 MHz or faster.
Disk Space	<ul style="list-style-type: none"> ■ Connector installation – 20 MB ■ Java 8 installation – 124 MB ■ Space for storing active translation jobs <p>Recommendation: Allocate at least 100 MB.</p>

2.2 Pre-Installation Procedures

1. Install Java version 8.

Note: `jdk 1.7.0_55` causes an error. Use a 1.8 JDK instead.

2. Set the Java path in your operating system.
3. Enable the following outbound HTTPS access:
 - The server requires outbound HTTPS access (port 443 by default) to hosts from `amazon.com`.
 - The server must be able to access the SDL TMS server via CTA (SDL TMS's Content Transfer API).
4. Download the Connector delivery package from the link that Clay Tablet Technologies sends you. This is a `.zip` file, which is a zipped file.
5. Unzip the package into the directory where you want to install the Connector.
6. Copy the `source.xml` file (the translation address key) provided by Clay Tablet Technologies to the following folder: `<installation directory>\config\accounts`.
7. If the content producer is using the On-Premise Platform, please contact Clay Tablet Technologies Support to obtain a different `target.xml` platform-key file. Copy this file to the following folder: `<installation directory>\config\accounts`. For details, see "[How to Contact Clay Tablet Support](#)" on page 1.

Notes: If the content producer is using the Clay Tablet Platform hosted on Amazon Web Services (AWS), you can skip this step. The translation provider must use the same platform as the content producer.

8. Edit the Connector configuration settings in <installation directory>\config\tmsconnector.config.xml, as described in "[Configuration Options](#)" on page 10.

3 Configuration Options

To set the configuration options for the Connector:

1. Navigate to `<installation directory>\config`.
2. Open `tmsconnector.config.xml` for editing.
3. Specify the following configuration options:

Configuration Option	Description	Default Value
<code>tmsUrl</code>	The URL of the SDL TMS server.	<code>https://xxx.sdlproducts.com</code>
<code>defaultClientId</code>	Your client ID for accessing SDL TMS via CTA (SDL TMS's Content Transfer API).	
<code>tmUpdateFilesDir</code>	Optional. The path, relative to the installation directory, for delivering the TM update file.	<code>UpdateTM</code>

4. Optional. To configure the Connector to use the Clay Tablet On-Premise Platform:
 - a. Uncomment the lines for the `baseModuleClass` and `platformUrl` configuration options.
 - b. Specify the following configuration option:

Configuration Option	Description	Default Value
<code>platformUrl</code>	The URL of the Clay Tablet On-Premise Platform, which supports both the HTTP and HTTPS protocols.	<code>http://ctws.ctt-platform-int.com</code>

5. Save your changes and close the file.
6. Optional. If some of the language codes in your CMS connector do not match those in SDL TMS, edit the following file to configure language mapping: `<installation directory>\config\tms_language.mapping.xml`.

4 Installing and Running the Connector

This section describes how to install the Connector installation package you downloaded earlier into your system as a Windows service.

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 8.

To install the Connector:

1. From your Windows **Start** menu, search for `Command Prompt`.
2. Right-click the **Command Prompt** menu item, and select **Run as administrator** from the context menu. The **Administrator: Command Prompt** window opens.

3. In the **Administrator: Command Prompt** window:
 - a. Use the `cd` command to navigate to the root installation directory, where `run_tms.bat` is located.
 - b. Type `run_tms.bat` and press `Enter`.

The `run_tms.bat` runs.

4. Specify the parameters for running the Connector as a Windows service:
 - a. Open `<installation directory>\wrapper.conf` for editing.
 - b. Provide meaningful names for the following parameters

Parameter	Description	Default Value
<code>wrapper.name</code>	The name of the Windows service.	<code>tmsconnector</code>
<code>wrapper.displayname</code>	The display name of the Windows service.	Testing TMS Connector
<code>wrapper.description</code>	The description of the Windows service.	Testing TMS Connector for ClayTablet
<code>wrapper.java.command</code>	The reference to the Java installation (probably on line 44).	<code>wrapper.java.command=C:/Program Files (x86)/Java/jdk1.6.0_45/bin/java</code> Change this to: <code>wrapper.java.command=C:/Program Files/Java/jdk1.8.0_71/bin/java</code>

5. Run `<installation directory>\InstallTmsConnector-NT.bat`.

This installs the Windows service you defined in `wrapper.conf`.

6. From your Windows **Start** menu, search for *Services*.
7. Click the **Services** menu item to open the **Services** window of the Microsoft Management Console.
8. In the **Services** window:
 - a. Locate the service with the name you specified in `wrapper.conf`.
 - b. Right-click this service, and select **Start** from the context menu.
9. Check the log files to ensure that the Connector is running properly, without errors.

If you encounter any problems, send the log files in `<installation directory>\log` to Clay Tablet Support. For details, see page [1](#).

Note: The Connector does not have a user interface.