Clay Tablet Connector for hybris

Installation and Configuration Guide

Version 1.0.0

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Contents

1 Welcome to the Clay Tablet Connector for hybris

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

1.1 Terminology

Amazon AWS	Amazon Web Services. A suite of web application products developed and sold by Amazon.com. Clay Tablet uses various AWS offerings in order to leverage their infrastructure and build rich, dynamic solutions for its customers, specifically, the Clay Tablet Platform. For details, see http://aws.amazon.com.
Amazon S3	Amazon Simple Storage Service. For details, see: http://aws.amazon.com/s3/. The Connector and the Clay Tablet Platform use Amazon S3 to provide temporary storage services for the content sent to and from translation.
Amazon SQS	Amazon Simple Queue Service. For details, see: http://aws.amazon.com/sqs/. The Connector uses Amazon SQS to provide Message Queue Services.
Asset	A content item that you manage using hybris, for example, supported hybris business objects.
Clay Tablet (CTT)	Clay Tablet Technologies, the corporate entity that publishes the Clay Tablet Connector and the Clay Tablet Platform.
Clay Tablet Connector for hybris ("Connector")	The connector software that Clay Tablet Technologies has developed and provides, which plugs into your hybris 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 providers 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.
FTP Server	File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one host to another host over a TCP-based network, such as the Internet. Translation providers may receive and send files for translation using an FTP server.
IaaS	Infrastructure as a Service. The Clay Tablet Platform is an IaaS, because it is a hosted platform.

Keys	The Connector uses keys to establish a secure, discrete connection between the Connector instance and the Platform. **Very important:** Do not copy the CMS address keys to multiple hybris instances, because this is a violation of the Clay Tablet License Agreement. Using the same CMS address keys on multiple hybris instances will cause the Connector to behave unexpectedly, which can result in lost translation content, orphaned projects, and inaccurate translation status reports. Clay Tablet will only support technical issues caused by duplicating or incorrectly installing CMS address keys on a time and materials basis.
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 and managed by the Clay Tablet client, instead of hosted on AWS by Clay Tablet.
Producer	CMS or another system that sends content or documents out for translation. In this case, this is hybris.
Provider	A provider of translation services. The delivery of assets to the provider may be via an FTP server or a TMS connector.
Support Asset	Supporting documents and their metadata. Support assets are not translated by the translation provider, but they provide helpful context for the translator.
TMS	Translation management system that the translation provider uses.

1.2 About the Clay Tablet Translation Platform

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

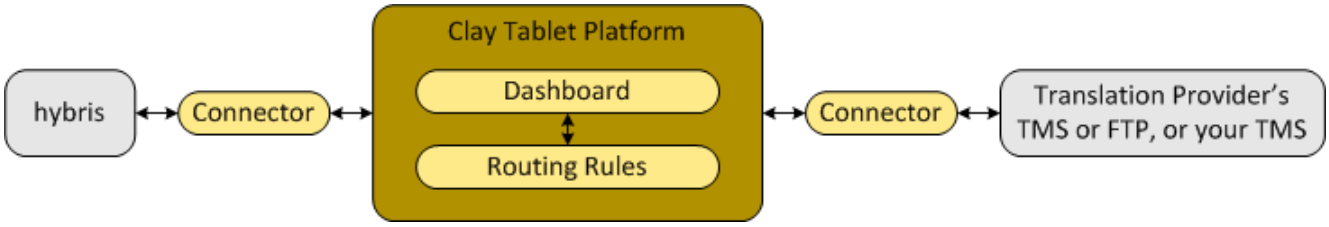
Clay Tablet Platform is the hosted (IaaS) connectivity platform that receives and routes content from content management systems to translation providers and back. It is hosted on Amazon Web Services (AWS). During implementation, Clay Tablet Technologies configures the Platform for your translation solution,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

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

1.3 How the Connector Works with hybris

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

The Connector is installed on your system as an add-in to hybris. Its functionality is displayed to the users as part of hybris.



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

During implementation, Clay Tablet works with you and your translation providers to configure and test the other elements of your translation solution, which are the Clay Tablet Platform's connections to your translation providers' systems.

1.4 Using this Guide

Purpose of this guide

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

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

Who should use this guide

This guide is intended for hybris administrators and system integrators.

What you should already know

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

How to find out more about the Clay Tablet Connector for hybris

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

Documentation conventions

This guide uses the following conventions:

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

1.5 How to Contact Clay Tablet Support

Email @: support@clay-tablet.com

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

2 Before You Install

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

1. "Installing MySQL and Creating a Database" on page 8.
2. "Setting Your System Date, Time, and Time Zone Correctly" on page 9.
3. "Setting Up Your hybris Environment" on page 9.

2.1 System Requirements

The Clay Tablet Connector for hybris ("Connector") supports hybris versions 5.2 and higher. The Connector has several hybris installation and configuration requirements, described in "Setting Up Your hybris Environment" on page 9.

The Connector requires the MySQL database to store translation data.

The Connector has no additional hardware or software requirements beyond those of hybris. For detailed requirements, refer to the appropriate version of the hybris documentation at https://wiki.hybris.com.

Memory	16 GB minimum.
Disk Space	■ Connector installation – 5 GB ■ Space for storing log files

2.2 Installing MySQL and Creating a Database

The Connector uses MySQL to store translation data.

To install MySQL and create a translation database:

1. Install MySQL on the server where hybris is installed. To download and install MySQL, refer to https://www.mysql.com.

   Note: The free version of MySQL (Community Server) is sufficient.

2. Log in to MySQL with the user credentials you created. For example, in the Command Prompt window, type:

   ```
   "C:\Program Files\MySQL\MySQL Server 5.6\bin\mysql" -u root -p
   ```

   Press `Enter`.

   When prompted, enter your password and press `Enter`.

3. Create a database to store the Connector's translation data. For example, to create the `test` database, type:

   ```
   CREATE DATABASE test
   ```

Press `Enter`.

For detailed instructions, refer to https://www.mysql.com.

Note: The Connector creates the required tables when you send out your first job for translation. You do not need to manually create any tables.

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

The Clay Tablet 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 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.`

2.4 Setting Up Your hybris Environment

Ensure that your hybris environment has the following settings:

- The **hmc** extension must be installed and running on the host hybris suite. This extension provides the hybris Management Console (hMC), which is the graphical user interface of the hybris Commerce Suite.
- The hybris suite user must have sufficient access rights to control job execution in hybris via `CronJobs`.

For detailed instructions, refer to the appropriate version of the hybris documentation at https://wiki.hybris.com.

3 Installing the Clay Tablet Connector

This section describes how to install the Connector installation package into your hybris system.

Before you install the Connector, verify that you have reviewed the system requirements, and performed the pre-installation tasks described in "Before You Install" on page 8.

To install the Connector into hybris:

1. Download the Clay Tablet Connector ("Connector") delivery package, `Clay_Tablet_Hybris_Connector_Version_w.x.y.z.zip`, from the link that Clay Tablet Technologies sends you, where *w.x.y.z* is the current version number of the Connector.
2. Unzip the delivery package into any working folder on your server.
3. If the `${HYBRIS_BINDIR}/custom` folder does not already exist, then create it, for example: `C:\hybris_5.2\hybris\bin\custom`.
4. Copy the Connector package, which is the `ctconnectorhmc` folder, to the `custom` folder, for example: `C:\hybris_5.2\hybris\bin\custom\ctconnectorhmc`.
5. Copy the contents of the `local.properties` file from the root folder of the package and append it to `${HYBRIS_HOMEDIR}\hybris\config\local.properties`. This step enables the Connector to log events.
6. In the `ctconnectorhmc/project.properties` file, configure the following database-connection settings to the MySQL database you created earlier.

Database Property	Description	Default Value
claytablet.app.jdbc.driverClassName	The class name of the MySQL database driver: `com.mysql.jdbc.Driver`. ■ If you are using MySQL, do not change this value. ■ Otherwise, change this value to the name of the driver for your database.	com.mysql.jdbc.Driver
claytablet.app.jdbc.url	The URL of the JDBC app, including the database name, for example: `jdbc:mysql://localhost:3306/`*<database_name>*	jdbc:mysql://localhost:3306/test
claytablet.db.user	The username of the database user.	root
claytablet.db.password	The password for the database user. If there is no password, leave this blank.	ctchybris2015!

Database Property	Description	Default Value
claytablet.db.type	The type of database: `MYSQL`.	MYSQL
claytablet.db.url	The URL of the database, including the database name, for example: `jdbc:mysql://localhost:3306/<database_name>`.	jdbc:mysql://localhost:3306/test
claytablet.minPoolSize	The minimum number of connections that a pool concurrently maintains.	5
claytablet.maxPoolSize	The maximum number of connections that a pool concurrently maintains.	20
claytablet.maxStatements	The total number of statements cached for all connections.	10
claytablet.timeout	The maximum interval, in milliseconds, that a client can wait for a connection. ■ If you set this to zero (`0`), the client waits indefinitely. ■ If you set this to any positive value, then waiting past the specified interval causes a timeout with an SQLException.	10000
claytablet.idleConnectionTestPeriod	If this number is greater than 0, the Connector tests all idle, pooled connections that are not check out, at the specified interval, in milliseconds.	5000

Important: The Connector automatically reads the values configured above into `ctconnectorhmc-spring.xml`. Therefore, do not edit the following database-connection settings directly in `ctconnectorhmc-spring.xml`: `dbdriverClassName`; `dbUser`; `dbJdbcURL`; `dbPassword`; `dbType`; `dbURL`; `minPoolSize`; `maxPoolSize`; `maxStatements`; `timeout`; `idleConnectionTestPeriod`.

7. If the hybris server is running, then stop it.
   a. Open the **Command Prompt** window in which the server is running.
   b. Press `Ctrl` and `C`.
8. In the `${HYBRIS_CONFIGDIR}/localextensions.xml` file, add the following entry for the new `ctConnectorHmc` extension:

```
<extension name="ctconnectorhmc" />
```

For example, add this entry to the following file: `C:\hybris_5.2\hybris\config\localextensions.xml`.

9. In Windows Explorer, navigate to the `${HYBRIS_BINDIR}/platform` directory, for example: `C:\hybris_5.2\hybris\bin\platform`.
10. Press the `Shift` button and right-click, and select **Open command window here** from the context menu.

    The **Command Prompt** window opens.
11. Type `setantenv.bat` and press `Enter`.
12. After setting ant home, type `ant clean all` and press `Enter`.

    This takes a few minutes to run. When it is finished, `BUILD SUCCESSFUL` is displayed in the **Command Prompt** window, along with the build time.
13. In the **Command Prompt** window, type `hybrisserver.bat` and press `Enter` to start the hybris server, so that you can deploy the Connector.

    This takes a few minutes to run.
14. Update the hybris suite.
    a. Open the hybris **Administration Console** in a browser, at `http://localhost:9001`.
    b. Mouseover the **Platform** tab.
    c. Click the **Update** menu item.

    The **Update** page opens.

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

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

This takes a few minutes to run.

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

    The console displays `FINISHED`, along with the updating time.

16. Click **Continue**.

    The hybris administration console **Login** page opens.

17. Log in to the console again.

    The default credentials are `admin`/`nimda`.

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

4 Configuring the Clay Tablet Connector

After you install the Connector, you perform the following steps to configure your Connector installation:

1. "Mapping Language Codes" on page 14.
2. "Configuring License and Account Keys" on page 14.
3. Optional. "Configuring Proxy Server Implementations" on page 16.
4. Optional. "Configuring Logging" on page 15.
5. Optional. "Configuring the Maximum Number of Items in a Job" on page 17.
6. Optional. "Configuring how Frequently to Download and Import Translations" on page 17.
7. Optional. "Configuring hybris Business Objects and Localized Attributes" on page 18.

Important: You must configure your browser to allow pop-up windows on the hybris server.

4.1 Mapping Language Codes

You must configure the `ctconnectorhmc\config\language_configuration.properties` file so that it contains mappings for the languages you will use.

You must map the hybris language codes to the Clay Tablet language codes for the source and target languages that you will use for translation.

Otherwise, then Connector will work properly only for those languages for which both the systems use the same codes.

Each line in the file has the following format: *<hybris-language-code>=<clay-tablet-language code>*

For example, if you will be translating to and from English, French, German, Italian, Spanish, and Russian, your file will contain the following entries:

- `en=en`
- `fr=fr`
- `de=de`
- `it=it`
- `es=es`
- `ru=ru`

For a list of Clay Tablet language codes, see "Appendix: Language Codes" on page 25.

4.2 Configuring License and Account Keys

You install and configure the license for your hybris instance and your translation providers.

1. Open `hybris\bin\custom\ctconnectorhmc\resources\ctconnectorhmc-spring.xml` for editing.
2. Specify the value for the `ctLicenseId` property. This is your company's license ID, which you obtain from Clay Tablet Technologies. For example:

   ```
   <property name="ctLicenseId" value="ClayTablet provided key"/>
   ```

3. For each translation provider, you specify the *key* and *value*parameters for the `lspAndAccountKeys` property:
   - The *key* is the name displayed for the translation provider in the **Choose LSP** dropdown list, when the user selects a translation provider when sending out content for translation.
   - The *value* is the key that the Connector uses to contact the Clay Tablet license server to obtain the CMS address key (`source.xml`) and the platform key (`target.xml`). You obtain this from Clay Tablet Technologies.

   For example, you specify these parameters as follows:

   ```
   <property name="lspAndAccountKeys">
   <map>
     <entry key ="LSP Name" value="ClayTablet-provided key"/>
   </map>
   </property>
   ```

   The Connector uses the CMS address key to move the files your company exports from hybris to the Clay Tablet Platform. The Platform then forwards your exported files to your translation provider. If you have multiple hybris installations, there must be one key for each environment.

   Very important: Do not copy the CMS address keys to multiple hybris instances, because this is a violation of the Clay Tablet License Agreement. Using the same CMS address keys on multiple hybris instances will cause the Connector to behave unexpectedly, which can result in lost translation content, orphaned projects, and inaccurate translation status reports. Clay Tablet will only support technical issues caused by duplicating or incorrectly installing CMS address keys on a time and materials basis.

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

4. Save your changes.

4.3 Configuring Logging

Enabling logging

Important: Before you proceed, ensure that you have already appended the contents of the `local.properties` file provided by Clay Tablet to `${HYBRIS_HOMEDIR}`

`\hybris\config\local.properties`, as described in step 5 of "Installing the Clay Tablet Connector" on page 10. This enables the logging feature.

Log folder and file names

Enabling logging creates the `C:\ClayTablet_logs` folder on the server where hybris is running.

The Connector creates the `ct.log` file. Each day the Connector creates a new log file, and it renames the previous day's log file to `ct.log-DD-MM-YYYY.log`, for example: `ct.log-10-06-2015.log`.

Note: You can modify the folder location and log file name in the `local.properties` file.

Logging level

By default, the logging level is `1`, which logs Info, Warning, and Error messages.

To modify the logging level:

1. Open `hybris\bin\custom\ctconnectorhmc\resources\ctconnectorhmc-spring.xml` for editing.
2. Edit the `loggingLevel` property value.
   - Level `1` logs Info, Warning, and Error messages.
   - Level `2` logs Info, Warning, Error, and Debug messages.

   Note: The Connector ignores any other specified values and uses the default logging level.
3. Save your changes.

4.4 Configuring Proxy Server Implementations

You can configure proxy server implementations of the Connector.

To change this value:

1. Open `hybris\bin\custom\ctconnectorhmc\resources\ctconnectorhmc-spring.xml` for editing.
2. Edit the following property values:

Property Value	Description	Default Value
ctProxyHost	The IP address or domain name for the proxy server. **Important:** If a value is specified, then the Connector uses a proxy server.	52.7.158.7

Property Value	Description	Default Value
ctProxyPort	The port number for the proxy server.	8888
ctProxyUser	The username for authentication to the proxy server.	
ctProxyPassword	The password for authentication to the proxy server.	
ctProxyDomain	The domain for authentication to the proxy server.	

3. Save your changes.

4.5 Configuring the Maximum Number of Items in a Job

By default, the maximum number of items that the Connector sends out for translation in a single job is 100.

An *item* is an asset that is being translated into a specific target language.

For example, if you are translating 100 assets from one source language into three target languages, then there are 300 items. If you do use the default value of 100, then only the first 100 items will be included in the job.

You can modify this value using the `filesPerJob` property:

To change this value:

1. Open `hybris\bin\custom\ctconnectorhmc\resources\ctconnectorhmc-spring.xml` for editing.
2. Edit the `filesPerJob` property value, and save your change.

4.6 Configuring how Frequently to Download and Import Translations

The `ctCustomPerformable` CronJob automatically downloads and imports translations from the Clay Tablet Platform into hybris. By default, this CronJob runs once every minute.

You can edit this interval either:

- in the `hybris\bin\custom\ctconnectorhmc\resources\ctconnectorhmc-spring.xml` file
- through the hybris user interface

This CronJob consumes resources such as memory space, network bandwidth, and database connections. Therefore, by design, the CronJob is active only when required, which is when the Connector submits a translation job and expects translated content to return from the Clay Tablet Platform. When the CronJob is active, it polls the Clay Tablet Platform to update the job status and retrieve any translated content.

At the start of each interval, the CronJob checks whether it is required to remain active. If it is not required, it de-activates internally. It automatically re-activates when there is a job to retrieve.

Note: If the Clay Tablet Platform is waiting for a message about translated content for a submitted job, and a network outage prevents this message from being delivered, the CronJob keeps polling the Clay Tablet Platform until the job is manually stopped.

You can temporarily prevent this job from running and consuming resources, for example, if you are not currently sending out content items for translation, as described in the tip below.

Editing the CronJob interval in ctconnectorhmc-spring.xml

1. Open `hybris\bin\custom\ctconnectorhmc\resources\ctconnectorhmc-spring.xml` for editing.
2. Edit the `cronJobTimeInterval` property value, and save your change.

   The default interval for this CronJob interval is `0 0/1 * * * ?` (equivalent to one minute).

   For a detailed description of the values allowed in a CronJob expression, refer to the hybris documentation, available at: https://wiki.hybris.com/display/R5T/Trail+~+CronJobs.

Editing the CronJob interval in the hybris user interface

1. In the **Explorer Tree**, expand and navigate to **Administrator > System > CronJobs**.
2. Open the `ctCustomPerformable` CronJob for editing.

   Tip: In the **Search** box, search for this CronJob based on the `ctCustomPerformable` **Job** attribute.
3. Click the **Time Schedule** tab.
4. In the **Schedule** section, either edit the current trigger or right-click and select **Create Trigger** from the context menu.

   The **Time Values** tab opens in a new browser window.
5. Edit the interval and start date and time.
6. Click **Save** to save your changes.

Tip: You can temporarily prevent this job from running and consuming resources, for example, if you are not currently sending out content items for translation. To do this, in the **Results** section, select the `ctCustomPerformable` CronJob, right-click, and **select Set Cron Job inactive** from the context menu. However, if you set this job to inactive while you have translation jobs in progress, you will not receive translated content back from the Platform when the translated content is ready.

4.7 Configuring hybris Business Objects and Localized Attributes

You can configure which hybris business objects and localized attributes in those objects the Connector will send for translation in the `hybris\bin\custom\ctconnectorhmc\config\UserSelectedTranslationTypes_configuration.xml` file.

By default, the Connector supports the following business objects and localized attributes:

hybris Business Object	Localized Attributes
ApparelProduct	■ name ■ description ■ productReferences
ApparelSizeVariantProduct	■ name ■ description ■ productReferences
ApparelStyleVariantProduct	■ name ■ description ■ productReferences
Category	■ name ■ description
ClassificationAttribute	name
ClassificationAttributeUnit	name
ClassificationAttributeValue	name
ClassificationClass	■ name ■ description
ElectronicsColorVariantProduct	■ name ■ description ■ productReferences
GenericVariantProduct	■ name ■ description ■ productReferences
Keyword	name
PowerToolsSizeVariantProduct	■ name ■ description ■ productReferences

hybris Business Object	Localized Attributes
Product	■ name ■ description ■ productReferences
VariantProduct	■ name ■ description ■ productReferences

Note about productReferences: Although the `productReferences` attributes are not localized attributes, the Connector supports sending them out for translation.

Important: You can configure only localized attributes for the Connector. If there are attributes you want to send out for translation that are not localized by default, you must configure them to be localized. For detailed instructions, refer to "Localized Attributes" in the *Internationalization and Localization Overview*, available at: https://wiki.hybris.com/display/release5/Internationalization+and+Localization+Overview.

You can check whether an attribute of a hybris business object is localized so that you can determine whether you can configure the Connector to send it out for translation. For detailed instructions, see "Checking whether an Attribute is Localized" on page 21.

Limitations

- The Connector was tested on the hybris business objects and localized attributes listed above. In exceptional cases, configuring certain hybris business objects and localized attributes, as described below, may not be sufficient to to support the Connector sending them out for translation, and custom code may be required.
- You cannot configure nested hybris business objects and corresponding localized attributes so that the Connector can send them out for translation. For example, in the **Explorer Tree**, selecting **Catalog > Categories**, you cannot send the business objects in those categories out for translation.

To configure a localized attribute of a hybris business object so that the Connector can send it out for translation:

1. Open the `hybris\bin\custom\ctconnectorhmc\config\UserSelectedTranslationTypes_configuration.xml` file for editing.
2. Under the **Types** tag, create a **Type** tag and **Subtype** tags similar to the following:

```
<Type name="ClassificationClass">
  <Subtype name="name" level_of_recursion="0"/>
  <Subtype name="description" level_of_recursion="0"/>
```

with the following values:

Tag	Property	Description
Type	name	The hybris business object.
Subtype	name	The localized attribute of the hybris business object.
Subtype	level_of_recursion	Do not modify this value.

3. Save your changes.

4.7.1 Checking whether an Attribute is Localized

You can check whether an attribute of a hybris business object is localized so that you can determine whether you can configure the Connector to send it out for translation.

To check whether an attribute of a hybris business object is localized:

1. In the **Explorer Tree**, expand and navigate to **Administrator > System > Types**.

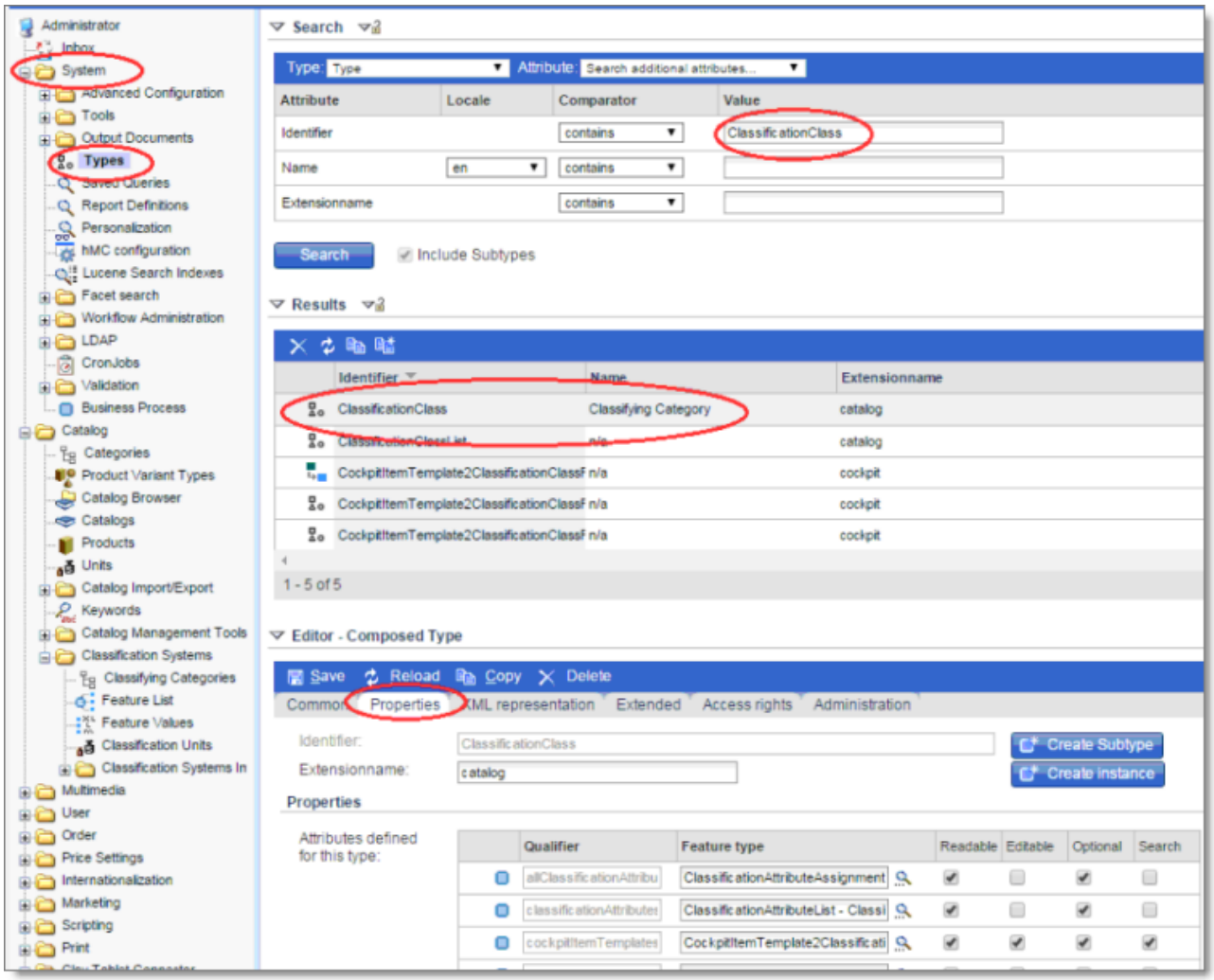
   This displays all types, which are hybris business objects.

2. In the **Search** area, search for the attribute.

   For detailed information about searching, refer to "Search Area" in the *hMC - End User Guide*, which is available here: https://wiki.hybris.com/display/release5/hMC+-+End+User+Guide#hMC-EndUserGuide-SearchArea.

3. In the **Results** section, double-click the attribute to open it in the **Editor** section.

4. Click the **Properties** tab. This displays the list of attributes for the business object (type).

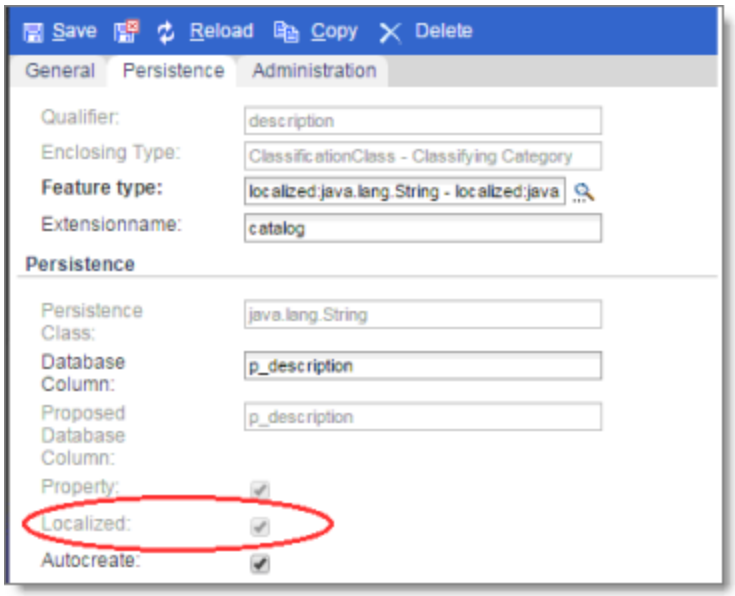


5. To check whether a specific attribute is localized, click it.

   A new browser window opens.

6. Click the **Persistence** tab.

7. Scroll down to the read-only **Localized** check box, which indicates whether the attribute is localized.


Save
Reload
Copy
Delete
General
Persistence
Administration
Qualifier:
description
Enclosing Type:
ClassificationClass - Classifying Category
Feature type:
localized:java.lang.String - localized:java
Extensionname:
catalog
Persistence
Persistence Class:
java.lang.String
Database Column:
p_description
Proposed Database Column:
p_description
Property:
Localized:
Autocreate:

5 Pre-Production Testing

After you complete the configuration, your Clay Tablet Connector for hybris installation is ready for testing. We recommend sending only a few pages for translation in one language as an initial test. For detailed instructions, refer to the *Clay Tablet Connector for hybris User Guide*. Once successful, you can send as many languages as required.

Please coordinate with your translation provider for this test process.

If you have any concerns or questions, please contact Clay Tablet Support. For details, see "How to Contact Clay Tablet Support" on page 7.

6 Appendix: Language Codes

For detailed instructions on mapping hybris languages to Clay Tablet languages, see "Mapping Language Codes" on page 14.

The Clay Tablet Connector has the following language codes:

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

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

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

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

Language Identifier	Language Code
German_Switzerland	"de-CH"
Greek	"el-GR"
Guarani	"gn-PY"
Gujarati	"gu-IN"
Hausa	"ha-NE"
Hawaiian	"haw-US"
Hebrew	"he-IL"
Hindi	"hi-IN"
Hungarian	"hu-HU"
Icelandic	"is-IS"
Igbo	"ig-NG"
Indonesian	"id-ID"
Inuktitut	"iu-CA"
Italian	"it-IT"
Italian_Switzerland	"it-CH"
Japanese	"ja-JP"
Kannada	"kn-IN"
Kanuri	"kr-TD"
Kashmiri	"ks-IN"
Kazakh	"kk-KZ"
Khmer	"km-KH"
Konkani	"kok-IN"
Korean	"ko-KR"

Language Identifier	Language Code
Kyrgyz	"ky-KZ"
Lao	"lo-LA"
Latin	"la-XL"
Latvian	"lv-LV"
Lithuanian	"lt-LT"
Malay	"ms-MY"
Malay_Brunei_Darussalam	"ms-BN"
Malayalam	"ml-IN"
Maltese	"mt-MT"
Maori	"mi-NZ"
Marathi	"mr-IN"
Mongolian	"mn-MN"
Nepali	"ne-NP"
Nepali_India	"ne-IN"
Norwegian	"nb-NO"
Norwegian_Nynorsk	"nn-NO"
Oriya	"or-IN"
Oromo	"om-ET"
Panjabi	"pa-PK"
Polish	"pl-PL"
Portuguese	"pt-PT"
Portuguese_Brazil	"pt-BR"
Punjabi_Pakistan	"pa-PK"

Language Identifier	Language Code
Pushto	"ps-AF"
Quechua_Ecuador	"qu-EC"
Quechua_Peru	"qu-PE"
Rhaeto_Romance	"rm-IT"
Romanian	"ro-RO"
Romanian_Moldova	"ro-MD"
Russian	"ru-RU"
Russian_Moldava	"ru-MD"
Sami	"se-NO"
Sanskrit	"sa-IN"
Serbian_Cyrillic	"sr-RS"
Serbian_Latin	"sr-SP"
Sindhi_India	"sd-IN"
Sindhi_Pakistan	"sd-PK"
Sinhala	"si-LK"
Slovak	"sk-SK"
Slovenian	"sl-SI"
Somali	"so-ET"
Sorbian	"wen-DE"
Spanish	"es-ES"
Spanish_Argentina	"es-AR"
Spanish_Bolivia	"es-BO"
Spanish_Chile	"es-CL"

Language Identifier	Language Code
Spanish_Colombia	"es-CO"
Spanish_Costa_Rica	"es-CR"
Spanish_Dominican_Republic	"es-DO"
Spanish_Ecuador	"es-EC"
Spanish_El_Salvador	"es-SV"
Spanish_Honduras	"es-HN"
Spanish_LatinAmerica	"es-XL"
Spanish_Mexico	"es-MX"
Spanish_Nicaragua	"es-NI"
Spanish_Panama	"es-PA"
Spanish_Paraguay	"es-PY"
Spanish_Peru	"es-PE"
Spanish_Puerto_Rico	"es-PR"
Spanish_Uruguay	"es-UY"
Spanish_US	"es-US"
Spanish_Venezuela	"es-VE"
Swahili	"sw-TZ"
Swedish	"sv-SE"
Swedish_Finland	"sv-FI"
Syriac	"syr-SY"
Tajik	"tg-TJ"
Tamil	"ta-IN"
Tatar	"tt-RU"

Language Identifier	Language Code
Telugu	"te-IN"
Thai	"th-TH"
Tibetan	"bo-CN"
Tigrinya_Eritrea	"ti-ER"
Tigrinya_Ethiopia	"ti-ET"
Tsonga	"ts-ZA"
Tswana	"tn-BW"
Turkish	"tr-TR"
Turkmen	"tk-TM"
Uighur	"ug-CN"
Ukrainian	"uk-UA"
Urdu	"ur-PK"
Urdu_India	"ur-IN"
Uzbek	"uz-UZ"
Venda	"ve-ZA"
Vietnamese	"vi-VN"
Welsh	"cy-GB"
Xhosa	"xh-ZA"
Yi	"ii-CN"
Yiddish	"yi-MD"
Yoruba	"yo-NG"
Zulu	"zu-ZA"