Tridion Sites Extension to Language Weaver

Setup and User Guide

RWS

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1 Introduction

The Tridion Sites extension to Language Weaver gives direct access to machine translation functionality while editing content. Editors can at any time localize content with one click and it will directly be machine translated to a language of choice. The translated content can then be modified and tweaked before published to the web site. The extension can be used together with Tridion Sites Translation Manager (TM) or standalone. It can be used for example to optimize translation costs, where machine translation can be used as a first step for marketing content. When the content is proven successful, the content can then be sent for human translation.

Features:

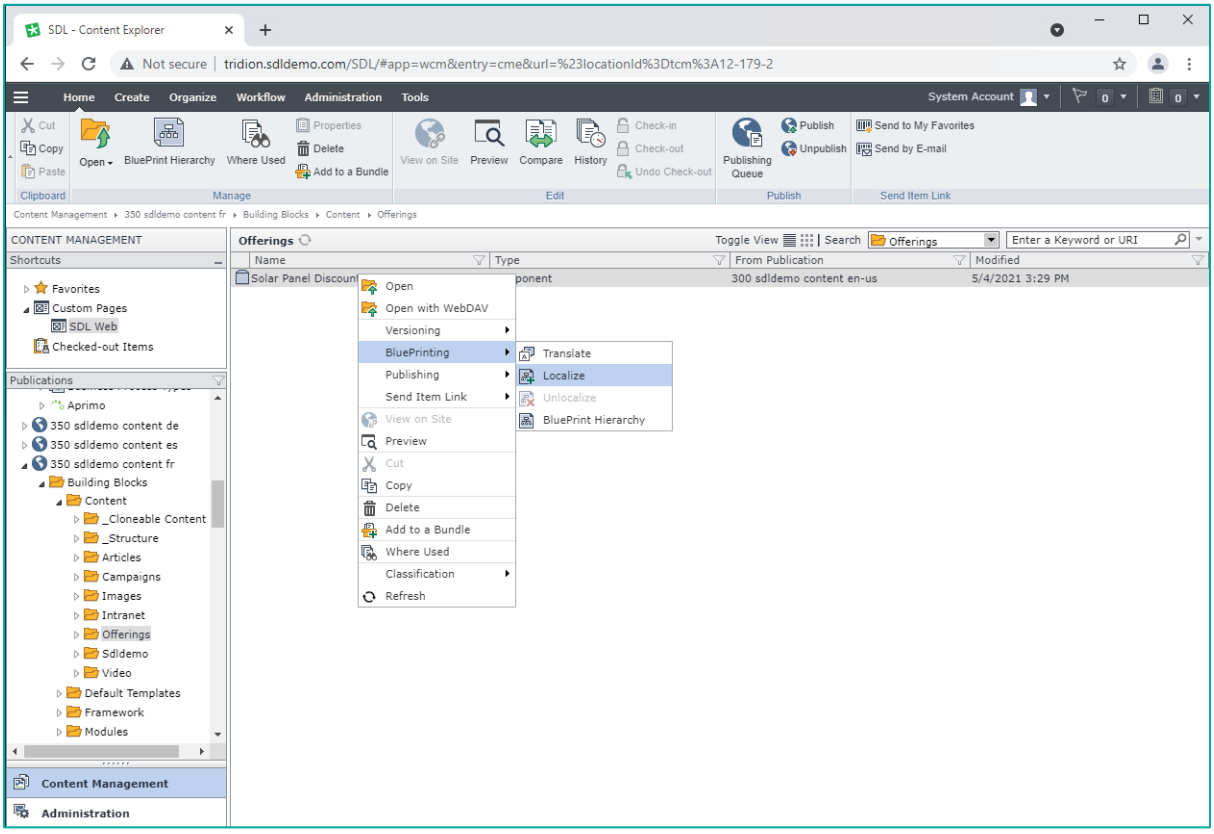
- Localizing a component will trigger instant machine translation of the content. This is triggered when current schema is configured to be translated and if the current publication is mapped to a language
- Configuration can either be passed as an Add-on JSON configuration or via Tridion Sites Translation Manager schema settings (if Translation Manager is enabled)
- Notification message when content has been machine translated (currently only in CME)
- Works together with Tridion Sites Translation Manager, i.e. you can start to use machine translation and as next step send the components for quality translation through Translation Manager
- The extension can be used standalone if Tridion Sites Translation Manager is not installed
- The extension can be used both in Content Manager Explorer (CME) and in Experience Space

2 Functionality

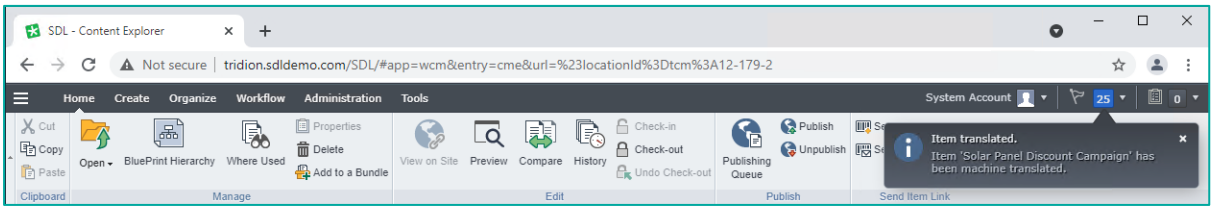
2.1 Using the Extension in Tridion Sites Content Manager Explorer

To machine translate content (which is associated to Tridion schemas that are configured to be translated) you do the following:

1. Go to the content master and find the content component you want to translate
2. Go to the language child publication and navigate to the corresponding content component
3. Right-click and select 'BluePrinting'->'Localize'



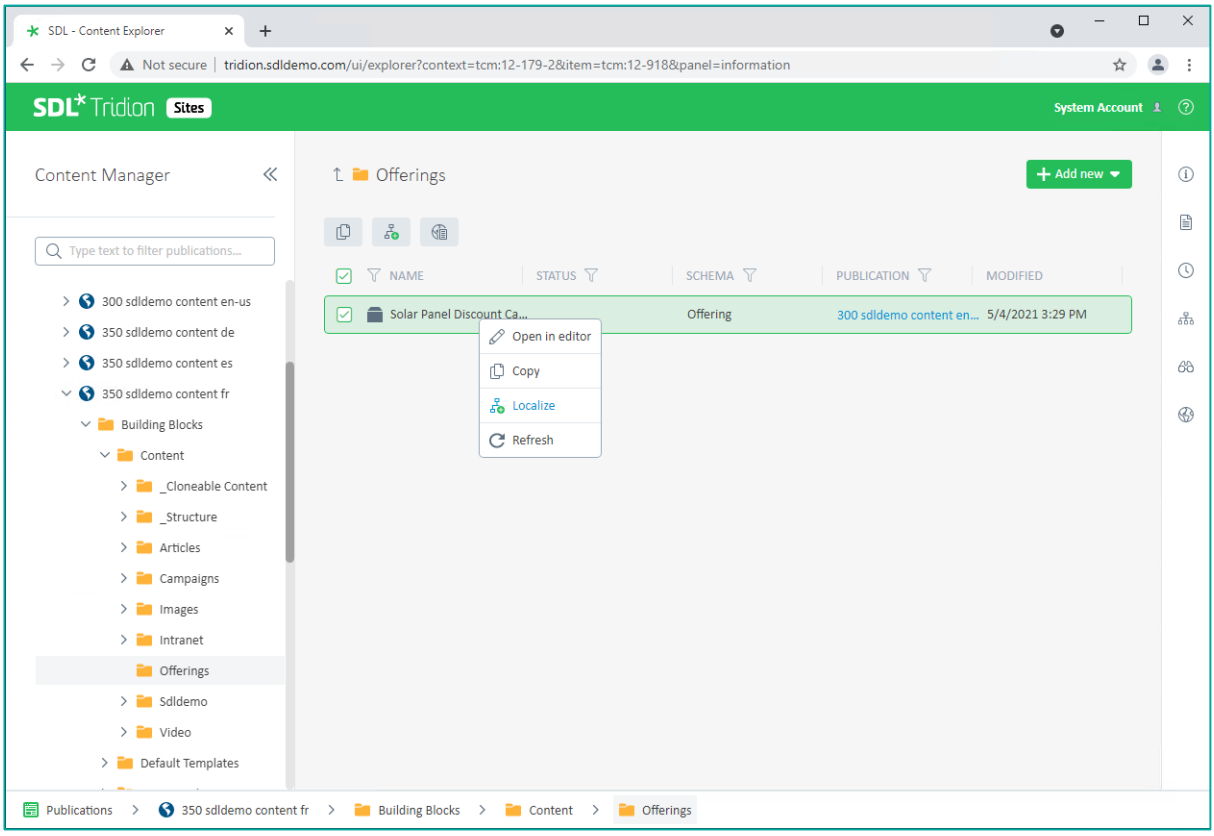
4. The component is localized and machine translated to the configured language. A notification message is given to indicate that machine translation has been done.



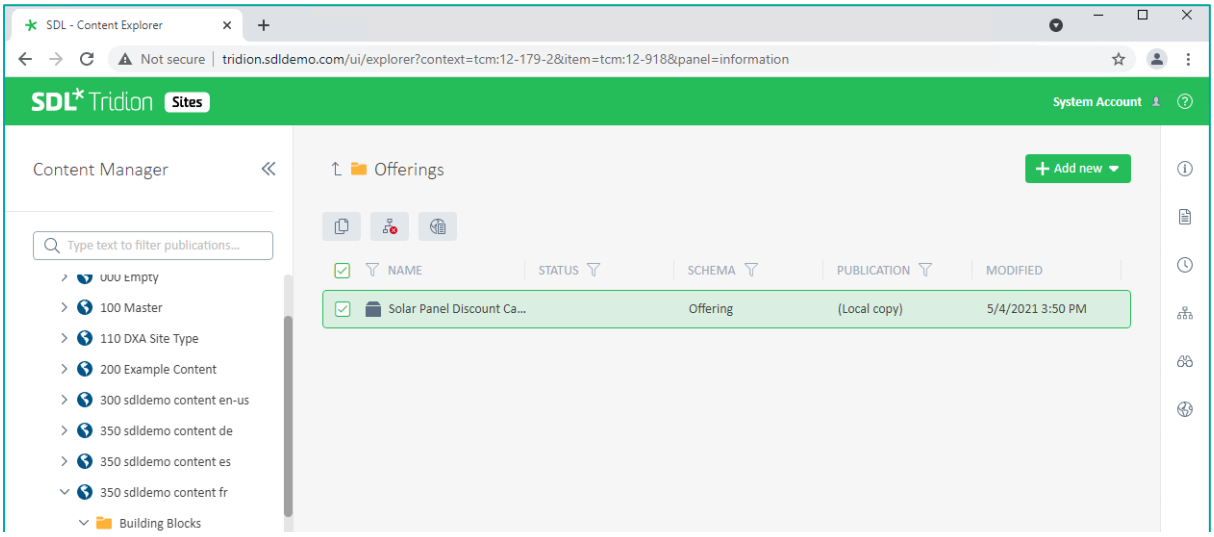
2.2 Using the Extension in Tridion Sites Experience Space

If you have Tridion Sites 9.5 you can also use the new Experience Space UI. To machine translate content (which is associated to Tridion schemas that are configured to be translated) you do the following:

1. Go to the content master and find the content component you want to translate
2. Go to the language child publication and navigate to the corresponding content component
3. Right-click and select 'Localize'



4. The content component gets instantly machine translated



2.3 Redo Translation

If you need to redo the translation, then you need to first unlocalize the content and repeat the steps above. Be aware that you lose any manual changes in the content component when you unlocalizing it.

3 Prerequisites

To install the Tridion Sites extension to Language Weaver, you need the following:

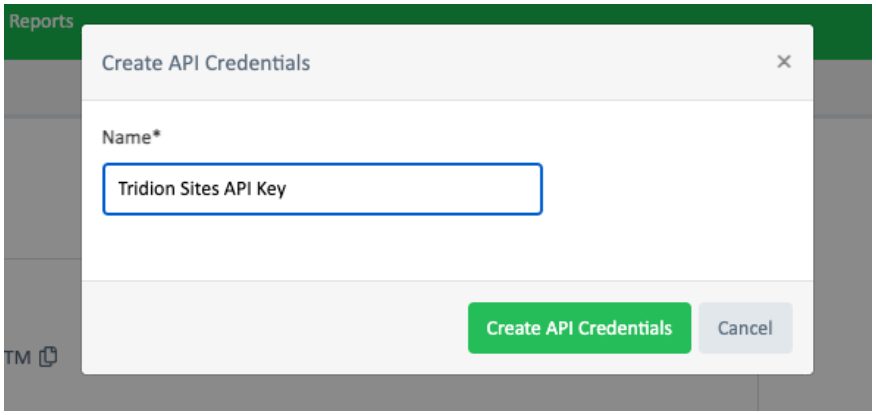
- Tridion Sites 9.1/9.5 with:
  - One/several translation layers, i.e. layers with Blueprint publications for different languages
  - Multi language setup in the website topology
    - Allow you to publish content to various languages on your website(s)
- Language Weaver account

4 Setup

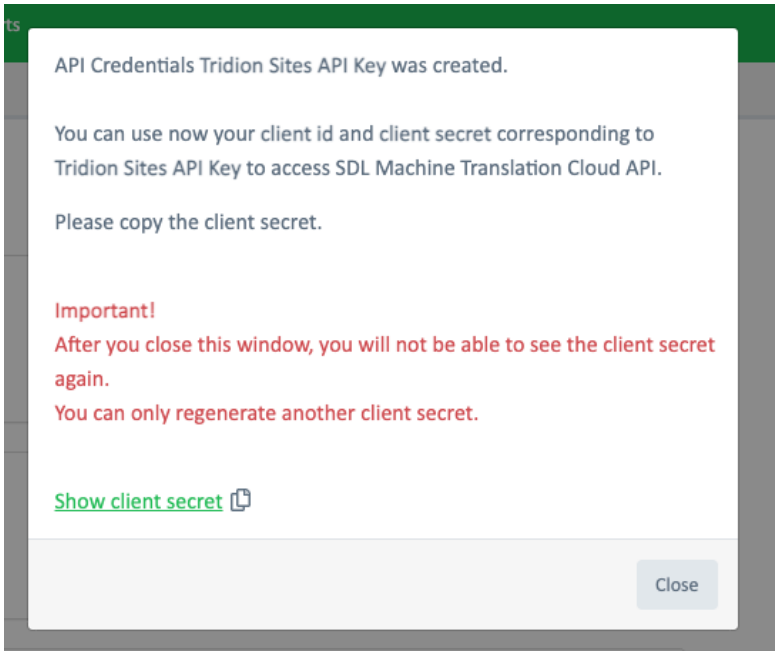
4.1 Create API Key

To create an API key you need to have admin rights on your Language Weaver account. Follow the below steps to create an API key:

1. Login to Language Weaver
2. Navigate to 'Settings' -> 'API Credentials'
3. Click on 'Create API Credentials'
4. Give the API key a name



5. API key is created. Click on 'Show client secret' to reveal the client secret. Copy it as it is needed in the extension configuration.



6. Click Close. Scroll in the list to see the client ID of the created API key. Copy the client ID for use in the extension configuration.

4.2 Install the Extension

Follow the below steps to install the extension in your Tridion Sites server:

1. Upload the ZIP file with name 'MachineTranslationEventHandler-1.0.1-package.zip to your Add-ons Service.
2. After the add-on has been successfully uploaded, you need to upload a JSON configuration (see next section on format & available properties)
3. Now the extension is ready to use in the Tridion Sites Content Manager

For further information on how to upload and manage add-ons, see https://docs.sdl.com/816112/705470/sdl-tridion-sites-9-5-main-documentation/managing-your-add-ons-in-the-add-ons-screen.
Note: If you are using Tridion Sites hosted by RWS, then you cannot install the addon yourself. Please reach out to RWS Support for further assistance.

5 Configuration

5.1 Add-on Configuration

The following properties can be used to configure the Language Weaver extension:

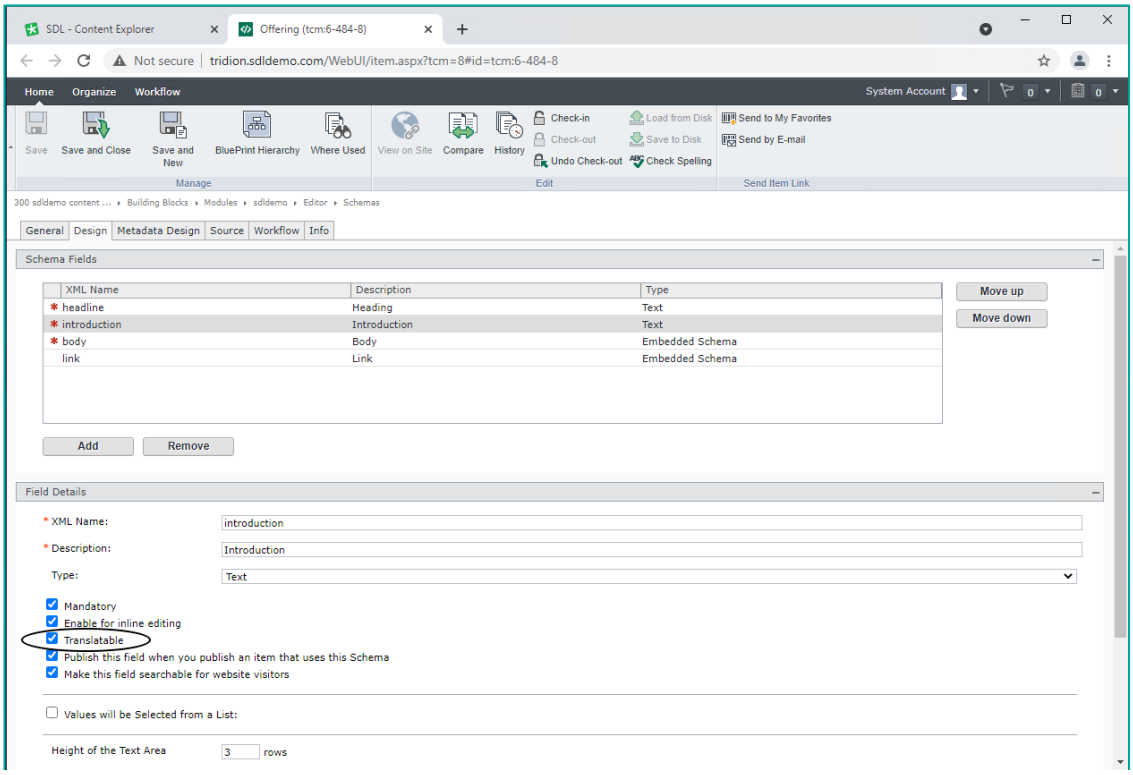
- `hostUrl` - URL to Language Weaver
- `clientId` – Client Id used to authenticate
- `clientSecret` – Client secret used to authenticate
- `useTranslationManagerConfiguration` - Flag for enabling the reading of Translation Manager configuration (`true|false`) → Optional, Default: `false`
- `excludedSchemas` - A string array of Schema TCM-URIs excluded from translation. All components based on the specified schemas or all embedded schemas matching the TCM-URI will not be translated → Optional, Ignored when `useTranslationManagerConfiguration:true`
- `includedSchemas` - A string array of Schema TCM-URIs included in translation. All components based on the specified schemas or all embedded schemas matching the TCM-URI will be translated. Cannot be used in combination with `excludedSchemas`. → Optional, Ignored when `useTranslationManagerConfiguration:true`
- `translateMetadata` – Enable the translation of component metadata (`true|false`) → Optional, Default: `false`. Ignored when `useTranslationManagerConfiguration:true`
- `translationSettings` - Array of options for each publication
    - `publicationId` - String id of the publication
    - `sourceLanguageId` - Three letter code for the publication source language (see https://translate-api.sdlbeglobal.com/documentation/index.html#language-codes)
    - `targetLanguageId` - Three letter code for the publication target language (see https://translate-api.sdlbeglobal.com/documentation/index.html#language-codes)
    - `translateComponentNames` - Enable the translation of component names (`true|false`) → Optional, Default: `false`, Ignored when `useTranslationManagerConfiguration:true`
    - `model` - A string representing a unique identifier for the language pair combination → Optional, Default: `'generic'`. See your list of available language pairs what you can use.
    - `dictionaries` - A string array containing dictionary ids → Optional
    - `mode` - A string representing a translation mode (`'speed'|'quality'`) → Optional, Default: `'quality'`

Example of JSON configuration:

```
{
  "configuration": {
    "MachineTranslationEventHandler": {
      "configuration": {
        "hostUrl": "https://translate-api.sdlbeglobal.com",
        "clientId": "1w99UYZuxR1C73ckFpAnYCzP3alFbUTX",
        "clientSecret": "uc6Loli9o8YWW7bhWI2ltQ-IPLgpfeg_wWzpW_7zjt9iZTKq0KGc96kzN7F_Ba17",

        "useTranslationManagerConfiguration": false,

        "includedSchemas": [ "tcm:3-111-8", "tcm:3-183-8" ],
        "translateMetadata": true,

        "translationSettings": [
          {
            "publicationId": "10",
            "sourceLanguageId": "eng",
            "targetLanguageId": "fra",

            "translateComponentNames": true,
            "model": "generic",
            "dictionaries": [ "0d967785-2857-46d7-9e10-4f6d1346db06" ],
            "mode": "speed"
          }
        ]
      }
    }
  }
}
```

5.2 Translation Configuration in Schemas

If Tridion Sites Translation Manager (TM) is enabled you can use the schema TM settings to control what fields to machine translate. In addition you can also control if component name should be machine translated. This gives you a more fine-grained control comparing to use the JSON configuration file.



About RWS

RWS Holdings plc is the world's leading provider of technology-enabled language, content management and intellectual property services. We help our clients to connect with and bring new ideas to people globally by communicating business critical content at scale and enabling the protection and realization of their innovations.

Our vision is to help organizations interact effectively with people anywhere in the world by solving their language, content and market access challenges through our collective global intelligence, deep expertise, and smart technology.

Clients include 90 of the globe's top 100 brands, the top 10 pharmaceutical companies and approximately half of the top 20 patent filers worldwide. Our client base spans Europe, Asia Pacific, and North and South America across the technology, pharmaceutical, medical, legal, chemical, automotive, government and telecommunications sectors, which we serve from offices across five continents.

Founded in 1958, RWS is headquartered in the UK and publicly listed on AIM, the London Stock Exchange regulated market (RWS.L).

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