

DRUPAL 8 MULTILINGUAL POSSIBILITIES FOR CUSTOMIZED CHECKOUT SYSTEM

Drupal Camp Frankfurt 2017

Ahmad Hassan
Sr. Web Developer

Spotlight Verlag

DRUPAL 8 MULTILINGUAL POSSIBILITIES

- **Customized Checkout system**
- **Translatable Custom Entities**
- **Multilingual Entity Form**
 - **Translate Form Authentication**
- **Twig Translation**
- **Block and Menu Translation**
- **Using PO file for additional Translation.**
- **Core Possibilities.**

DRUPAL 8 MULTILINGUAL POSSIBILITIES

Customized Checkout system

- Why it called customized. It has Customized entities, custom blocks, custom cart... almost everything except drupal8 multilingual core support.
- We have designed a Customized Checkout system with custom Content Entity.
- We have used mainly three entities for user interaction to submit their orders.
- Actually for these Entities, we need translation support for at least five EU languages.
- We need to translate our forms and information about the order.
- This was my first multilingual site but it was easy to manage in drupal 8.
- To achieve all this we need to follow some simple steps...

Translatable Custom Entities...

- After creating new content entity, we need to declare `translatable = TRUE` in Entity annotation. e,g

```
* },  
* field_ui_base_route = "addressform.settings",  
* translatable = TRUE  
* )  
*/
```

- Drupal 8 provide Interface to select which fields we need to translate. e,g

Addressform

TRANSLATABLE	ADRESSFORM
<input checked="" type="checkbox"/>	Addressform
<input checked="" type="checkbox"/>	Authored by
<input checked="" type="checkbox"/>	First Name

Translatable Custom Entities...

- Each Field have to define with label/description with t() function.

```
$fields['name'] = BaseFieldDefinition::create('string')
  ->setLabel(t('First Name'))
  ->setDescription(t('First Name'))
  ->setSettings(array(
    'max_length' => 50,
    'text_processing' => 0,
  ))
  ->setRequired(TRUE)
  ->setDefaultValue('')
  ->setDisplayOptions('view', array(
    'label' => 'above',
    'type' => 'string',
    'weight' => -4,
  ))
  ->setDisplayOptions('form', array(
    'type' => 'string_textfield',
    'weight' => -4,
  ))
  ->setTranslatable(TRUE)
  ->setDisplayConfigurable('form', TRUE)
  ->setDisplayConfigurable('view', TRUE);
```

MULTILINGUAL Entities Form...declaration

- As we have define Entity translatable = True, We also need to define setTranslatable(TRUE) Over each Field.
- Strings which does not define in core, we imported all strings in .po files.
- I have also manage the title of forms to define With t() funtion in Entity form

```
->setDisplayOptions('form', array(
    'type' => 'string_textfield',
    'weight' => -4,
))
->setTranslatable(TRUE)
->setDisplayConfigurable('form', TRUE)
```

```
$form['#title'] = t("strings");
```

MULTILINGUAL Entities Form... Example

Adresse de facturation

Titre

Monsieur

Madame

* Prénom

* Nom

Entreprise

* Rue

* Nr.

* CP

* Ville

* Pays

Allemagne



La consegna avviene all'indirizzo indicato.

Téléphone

MULTILINGUAL Entities Form... Country names list

- We have taken list of countries from some services by sending language-id in parameter.
- For example if current language is German, I pass 'de' and get country names in German.
- We can get current active language in drupal 8 with language Manager.

```
$language = \Drupal::languageManager()->getCurrentLanguage()->getId();
```


MULTILINGUAL Entities Form... form validation

- In form validate function, we can override core form validation
- We can simply define string with `$this->t()` function.
- `$form_state->setErrorByName('Field', $this->t("Please Enter your Field"));`

- Le champ E-mail est requis.
- Le champ Nr. est requis.
- Le champ Nom est requis.
- Le champ Prénom est requis.
- Le champ Ville est requis.
- Le champ CP est requis.
- Le champ Rue est requis.

MULTILINGUAL with Twigtwig

- **We can also define labels or description strings in twig file as html.**
- **And to translate these string we can just use**
`{% trans %} Please review your order details {% endtrans %}`:
- **And import those strings for other languages with .po files.**

MULTILINGUAL Custom Block and Menu... form validation

- We can define in visibility, on which languages this block should be visible.

Language Not restricted	Language selection <input type="checkbox"/> English <input type="checkbox"/> German <input type="checkbox"/> Spanish <input type="checkbox"/> Italian <input type="checkbox"/> French Select languages to enforce. If none are selected, all languages will be allowed. Select a language value: * <input type="text" value="Interface text"/>
Content types Not restricted	
Pages Restricted to certain pages	
Roles Not restricted	

MULTILINGUAL Custom Block and Menu... Blocks

- In drupal 8, we can define a block and than translate them in other language
- We just need to define title and block content separately for each language.



ändern Löschen Devel Translate

Startseite » 1

LANGUAGE	TRANSLATION	QUELLSPRACHE	STATUS	OPERATIONS
English (Original language)	Contact	k.A.	Nicht veröffentlicht	ändern
German	Kontakt	English	Published	ändern ▾
Spanish	Contacto	English	Published	ändern ▾
Italian	Contatto	English	Published	ändern ▾
French	Contacts	English	Published	ändern ▾

MULTILINGUAL Custom Block and Menu... Blocks

- We can also publish or unpublish each translation and use as other contents.
- As well as we make these translation outdated to use some other. E.g,

▼ TRANSLATION

This translation is published

An unpublished translation will not be visible without translation permissions.

Andere Übersetzungen als veraltet markieren

If you made a significant change, which means the other translations should be updated, you can flag all translations of this content as outdated. This will not change any other property of them, like whether they are published or not.

MULTILINGUAL Custom Block and Menu... Menu

- Similarly we can define a menu and for each menu element can have different settings for each language.

Edit	Devel	Translate			
Home » Administration » Structure » Menus » Edit menu link					
LANGUAGE	TRANSLATION	SOURCE LANGUAGE	STATUS	OPERATIONS	
English (Original language)	Terms and Conditions	n/a	Not published	Edit	
German	AGB	English	Published	Edit	▼
Spanish	Términos y Condiciones	English	Published	Edit	▼
Italian	condizioni generali delle operazioni commerciali	English	Published	Edit	▼
French	CGV	English	Published	Edit	▼

MULTILINGUAL Custom Block and Menu... Menu

- We can create different link title, description for different languages.
- We can also publish/unpublish or outdate menu element translation as blocks.,

Menu link title *

The text to be used for this link in the menu.

Link (all languages) *

Start typing the title of a piece of content to select it. You can also enter an internal path such as /<front> to link to the front page.

Enabled (all languages)

A flag for whether the link should be enabled in menus or hidden.

Description

Shown when hovering over the menu link.



Import strings Using .po files... **Import**

- I have just copied core .po file and remove all the string and add all my strings and translated string in it.
- Drupal 8 provides import/export feature to update or get all string by interface.
- So no need to update code for just translation. Just define all with t(),
- Add all strings and translation in .po file and import in related language.

Core Possibilities... settings

- We can install Drupal 8 in any language instead of doing it on later staging.
- In Drupal 8, we can define how current language would be detect, e.g, by Url, Session, browser, user. Depend upon your settings, Im using Url.
- Custom language settings, where we can see a list of translatable Entities. Any content type, Entity, user, Profile, custom Entity blocks..
- After Selecting each Entity, we can also select their fields.
- We can also set if these settings should display on view/edit pages.

Core Possibilities... settings

- We can import and export .po files. I have added my strings with .po files, we can also override in file if already exist.
- The good thing is that once you import all translations you are able to edit any string by interface.
- So instead of just content translation, we have also list of configuration settings. And we can translate configuration.

Core Possibilities... Code

- From Entity Obj, we can get translations and then we can get translation of all fields, e.g,

```
$translation = $ent->getTranslation('de');  
$titles['de'] = $translation->title;
```

- How we can get the language code:
 - \$language =
\Drupal::languageManager()->getCurrentLanguage()->getId();
 - To get the language name: \$language =
\Drupal::languageManager()->getCurrentLanguage()->getName();

Languageicon... contrib module

- **This was the only contrib module we have used in our site.**
- **This module provide a list of flags of enable language.**
- **It also provide us block. We can make visible any region of our site.**
- **Only one click on language can change your page to another language**

DRUPAL 8 MULTILINGUAL POSSIBILITIES FOR CUSTOMIZED CHECKOUT SYSTEM

Thanks

Questions