Multilingual Drupal 8

Gábor Hojtsy (@gaborhojtsy)
Gábor Hojtsy

Acquia
Drupal Developer

Gábor is an open source enthusiast and contributor. As a developer, working with and on the open source projects, he started off contributing to Open Source in 2000 when he joined his first open source organization and became the lead of that team. He later went on to become a professional PHP developer but quickly moved on to more interesting and challenging projects. In 2015, he joined Acquia, the world's leading provider of cloud services for digital experience, and he's been there ever since.
11:45AM - 1:00PM

LUNCH: Pick up your lunch in Hall B.

1:00PM - 2:00PM

MULTILINGUAL DRUPAL 8

Giçbor Hojtsy
Core Conversations

BEGINNER
-enzo- 1ethyltest 5ven afrussel aaronaviril aronott Abhishek_R_Shah ACF acpton AdrianB agentrickad aitiba akahn akejoha Alan D. Alan Evans albretio56 Albert Volkman aldyka alexanderpas alex58 alexott Alex UX alexweber alex_a Alice Heath alpinton amatesue amoitu amonoto anacart anvavarre ancamp andremolnar Andrew Schuman Andrey andycevo andymarthra andypost animelion annikaC annrikun Anton adar arlanek aries arlisandbulte Aron Novak arq Artusamak arunaseva aschiwi AshishK aspilicious attiks aturetta August1914 axel.rutze ayelet_Cr a Webb babaseos 5 babruix balagan balantik Barwis batigolix beejeesv BenK bemmied Beerd bfochhammer bfroehle bisbonen bjasan Bodo Maas bojzian Bojhan Bojhan.core Boobaa bookmarkel boran Boris Mann borsdagh boztek brantwyn brianV BrightBold BrockBoland bscheskee bsherwood c4doug c31ck c9660554 cafuego caktu cam8001 Carl Johan Carsten Müller carwin casey catch cbiggins cburschka chaOs Belov charliese charlinessh chimisleepery Christopher Jam... ChX cirage Ckoch clascar claudiiec claudic. crisstea clemens.tolboom colan corvus_ch cosmicdreams Cottser Countztero cspelman creyee Crelt crotown csg cshauwigt cwegaans cwogordon7 Cyberwolf czigor dado Daemon_Dayge dagma t dags damianklopf DamienMcKenna Damien Tournoud danielnolde dainollunees DanPir das-peter dasjo Dave Cohen Dave Reid David David Strauss David_Rothstein dawheiner dclmb dcac dcmsiincy dcmouyard dcrdocw Deciphered delabeledaccount delmarr DeNelO denjil derEremite desbeers Devin Carlson DickJohnson disassm dixon_djdevin DjebbZ dman Dmitriy.trt docker dodorama dokumori donquixote dougreen dpearceMN dpi Dragian Eror drewish Dries drifter drobce droplet drubage drupaldrog droplieg dsnopek dtar ducbcanada ducydz duellj dvingela dww dysrama Désiré é10sipe e2thex earnie eaton ebeyst EclipsesGc edrupal edward_or effulgencea eigentor elucuo elenfxorsters elor Elifir Lilja Elia Eltheray Emarch ekojeth ebrave ericural Eric_A ershov.andrey Everett Zeltel euforia e-z Fabian fabont fabor fsago fausting falso31 fannon fastangel fgm Fidelix fisterwin FINex fjd Fleshgrinder floretan FrancescoQ Frando Frank Talf franskuipers franz Freo fubhy fureigh fwlach gabriel gabriel_Radical Gaelen gainz eandre Albert Gragio gaspao gaurav26570 gausarts gbentley geoorangi Georgii Gerold Killserre irgiori7 Giorgosk boyd gpapadongonas green_c_greg.1. anderson greggles grendzy guiaumev gumanist gusgms1 guygg_guy_schneerson Hadi Farnoud hairlees Hano hansfn harrrrrrrrrr hass Haza hefox hejazzee hellolindsay henribergius heron heyrocko hinkato HnLn hoitzenmann17 houbayblogger hswnong3i Hydra IceCreamYou2 idfilm idfux Ignacio Sanchez iiliphi imikus indietechoo intuited Ishadakota itarato izmezz izus j.somers jOrd Jacine jackhutton jalagralh jamesharv jamelthorn jamioenotwe janusman japidcer jaredsmith jayboodhun Jaza jbrown jcisco Jeff Burrn Jeffery C. Jelle_S jeni_dc jenlampton jepSter jesshebe jesshehe jherencia jhodgdon jibran JirkaRybock jlscox jmasam jooajom joates Jody Lynn joewartkins JohnAlbin johnonJonWich jor pugh jirons.verschuren Jose Reyero jrglasgow jbsalera jstoller jthoron juhovh JuliaKM julien_D jviellee jvins jwilton3 K2HBookk4 k-v kaakku kalabro kalman.hoszu KarenS Kartagis kathbaity kathayv kbausbas kabouch kcoech ksmith kevee Kevin Morse kid carus kika killes@drop.org killua99 kim.pepper kkaefer klausi klonos kompressaur KrisBelman Kristen Pol kristiaanvandeneke krukas ksenzoo kurt.iverson lambgo langworthy lanthaler larrown LarsKramer Lars Toomre LAsan lazysoundsystem LeeHunter leenwebb leschefk Liam Lyman Lisboa liikin liiol lioclarc liqulidcms lisarex LittleViking litwol lixiphp lmears loganfsymyth LoMo lonelyrobot longwave lotyrin LoveCharge LPCA lissnettismith77 Lukas von Blarer luder.mkikel lvbeck maciej.zgadzaj Mac_Weber magico manningpete Mantsak marcel66 marcing marcushenungen marcus marcvangend marfillaster Mark Carver markus petrunx markn_maryedt matson matt2000 mattyoung Maune maximov maxmterner23 maxtortere mbyneses MegaChriz merlinofocia meromorph mesr01 mfb mgifford MHLut MichaelCole michaelmol Michelle micnap mikenyian mikewn mikfi minn miarin destination microwo miro dietiker mitchee mitron mjohong3 mjorlitzky mjrejch mlchea mhler166 mnnc moe4715 mondrake monterdnk mosr weitzman mgp mr.baileys mr.york mradcliffe mrP mrsungyen msonnabaa mtomazyai mustafau mvc my-family n3or nadavoid nagwani NancyOru naught101 nbz neclindul nedjo neochief nerdein nevergone nevets nicholosophy Nick Lewis nick.schuch Nick_vh nixcan nikhilasani nikkhubani Niklas Fiekas nkschafer nod nonsie NotNotC ow no_angel no_commit_credit no_longer_active_13 nyleve101 omar omerciglou OnkelTem oresh oriel_e99 Owen Barton pameela Pancho parasite ParisLiaos Pasquale passkill paulamaurdan pdrade Pedro Lozano penyaskito perusio peterx pexoipm pfenisen philar pillarsdotnet Pinolo pixilelle pixelwhip pikaryl plach Plasscul plopesp podarok Pol pounard ppp Prabhug pynnaptic pwoalnian qgil quicksketch quietone rachelllawson rachit_gupta rahuhdolas123 rameshbabu.g Ranko rasskull rbyalis riddkred rednhead reglog reglog reglog renat rfay ricardoamoarman rickmulski rickvog rikja rli rimufmorf robertraggers Roberto Gerola Robin Monks RobLoach RobW rocket_nova roderik ronan_istos rooby rotejoeu rudierdirk rupl rvlir rvlrt ry5n rynsammass Ron Weal salvis sandimpkhairmar sandykadam savithac Sborosdy Schnitzlet scor SeanBannister SebCorbin Sephi777 sethiele setutte sfyn Shai shanehefl Shellingfox shenxhia shuklap Shyamala sidharlap silverdog silvering simolokid Simon Sinnsalek sir_squall skawahw slowfryer smileiri smithworth smokris snufkin Soul88 sourcetools spacecarecutter spearhead93 sreyen Stalski starchild Stefan Nagteaal steinmb stella Steven Jones stevepurjkik stpaulitim Sutharsan svendecabover svenryen Swatchew swentel sxnc Sylvain Lecoy syvinn,a tammo1 tarmstrong tartarb te-brian thenamous thephili Thomas_Zahreddin tim-e tim_plunkett timmillwood tinker tinkle kayloen toliasb tolaeisb tosm tom Or Arne Thune torpy TR Transition TravisCarden tsi tstoeccker tsvenson twistor TwoD twomasc typhoonius Ujohn under qaorti valokettu valthald Vapes VaS11186 Vijays85 Vikas Negi VladSavitsky voxelli vyasamit2007 walkah weakqueen99 webchick webflo webkenny wikidkaka WilliamB Wim Leers wmostrey wojtha woody WormFood wrpg20 wursel xava Xano xcestaxys XJIM xmacinfo xpound xslim yang_yi_cn yannisc yched YesCT ygerasimov yghacer yohannbzh yoroy utsyur yurtboy z.stolar ZenDoodles zeroode zeatgraph zirzap zkday zneler Zoltan Balogh zrogner zserno
DRUPAL 7 MULITILINGUAL

DRUPAL CORE
Drupal 7 Multilingual

Locale
Languages, foreign language website UI.

Drupal Core
Drupal 7 Multilingual

Locale
Languages, foreign language website UI.

L10n Up
Avoid tedious manual translation downloads.

Drupal Core
DRUPAL 7 MULTILINGUAL

LOCASE
Languages, foreign language website UI.

L10N UP
Avoid tedious manual translation downloads.

CONTENT TRANSLATION
Only for nodes, makes copies of nodes.

Drupal Core

Drupal 7 Multilingual
Drupal 7 Multilingual

Locale
- Languages, foreign language website UI.

L10n Up
- Avoid tedious manual translation downloads.

Content Translation
- Only for nodes, makes copies of nodes.

Drupal Core

I18n
- Menus, taxonomy, field labels, views. Oh you also need i18n_views module; and webform_localization, and...
Avoid tedious manual translation downloads.

Languages, foreign language website UI.

Only for nodes, makes copies of nodes.

API for handling some of the configuration. Settings translations!

Menus, taxonomy, field labels, views. Oh you also need i18n_views module; and webform_localization, and...
Drupal 7 Multilingual

**Core**

**Language**
Languages, foreign language website UI.

**Locate**
Avoid tedious manual translation downloads.

**Content Translation**
Only for nodes, makes copies of nodes.

**Entity Translation**
For Drupal Commerce for example. Oh you also need Title module!

**Variable**
API for handling some of the configuration. Settings translations!

**I18n**
Menus, taxonomy, field labels, views. Oh you also need i18n_views module; and webform_localization, and...

**I18n Up**

FOUR PILLARS IN DRUPAL 8
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LANGUAGE

Base services for all modules dealing with data. Not just multilingual.
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INTERFACE
Interface translation has built-in update feature, improved usability.
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CONFIG
Common configuration system handles blocks, views, field settings. Unified translation.
LANGUAGE
Base services for all modules dealing with data. Not just multilingual.
LANGUAGE IS STEP ONE
Language is step one

Detects language from browser

Downloads translation live

Installs in that language

Works with distros and all future modules
LANGUAGE ASSIGNMENT

- NODES
- ALIASES
- USERS
LANGUAGE ASSIGNMENT

NODES

ALIASES

USERS

TERMS
LANGUAGE ASSIGNMENT

- NODES
- ALIASES
- VIEWS
- USERS
- TERMS
LANGUAGE ASSIGNMENT

- NODES
- ALIASES
- VIEWS
- USERS
- TERMS
- SITE INFO

LANGUAGE SELECTOR NOT ALWAYS EXPOSED
LANGUAGE ASSIGNMENT

NODES

ALIASES

VIEWS

... 

USERS

TERMS

SITE INFO

LANGUAGE SELECTOR NOT ALWAYS EXPOSED
# Flexible Language Setup

![Laptop screen showing language settings](image)

## Content

<table>
<thead>
<tr>
<th>CONTENT TYPE</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cikk</td>
<td>Site’s default language (English)</td>
<td>Current interface language</td>
</tr>
<tr>
<td>Egyszerű oldal</td>
<td>Site’s default language (English)</td>
<td>Author’s preferred language</td>
</tr>
<tr>
<td>Forum topic</td>
<td>Site’s default language (English)</td>
<td></td>
</tr>
</tbody>
</table>

- **Default language**: Site’s default language (English)
FLEXIBLE LANGUAGE SETUP

CONTENT CAN BE TIED TO LANGUAGES PER TYPE

DYNAMIC DEFAULT VALUES POSSIBLE

ALL-IN ONE CONFIGURATION PAGE

TWO SPECIAL LANGUAGES
**LANGUAGE VISIBILITY**

**Blocks can show/hide based on language**

**Views already has language filtering features for content lists**

**Drupal built-in pages are converted to views**

![Visibility settings](image)

<table>
<thead>
<tr>
<th>Option</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pages</td>
<td>Not restricted</td>
</tr>
<tr>
<td>Content types</td>
<td>Not restricted</td>
</tr>
<tr>
<td>Languages</td>
<td>Not restricted</td>
</tr>
<tr>
<td>Roles</td>
<td>Not restricted</td>
</tr>
</tbody>
</table>

Show this block only for language(s). If you select more than one language, they will be combined. Choose one language to remove it from the list.
Part of the URL that determines language

- Path prefix
- Domain

### PATH PREFIX CONFIGURATION

Language codes or other custom text to use as a path prefix for URL language. This value may be left blank. **Modifying this value may cause issues with caution in a production environment.** Example: Specifying "de" for German results in URLs like "example.com/deutsch/contact".

- **English (en) path prefix (Default language)**
  - http://d8mi.localhost:8082/en

- **Hungarian (hu) path prefix**
  - http://d8mi.localhost:8082/hu
**LANGUAGE SELECTION**

- **Simplified and Integrated**
- **Path on by default**
- **New: Admin preferred language**
- **New: Selected language**
- **Browser detection highly improved**
Типы материалов

Главная » Управление » Структура » Типы материалов

Название*

Новый тип материала
Машинное имя: novyy_tip_materiala [Edit]

Человекопонятное название типа материалов. Этот текст будет показан из букв, цифр и пробелов. Название должно быть уникальным.
NAME TRANSLITERATION

TRANSLITERATION API IN CORE

USED FOR MACHINE NAMES

CONTRIB CAN USE IT MORE

POSSIBILITY FOR FILE NAMES, ETC.
ENGLISH CAN BE DELETED
INTERFACE TRANSLATION

Interface translation has built-in update feature, improved usability.
AUTOMATED TRANSLATIONS

- **Content Translation**: Allows users to trans
- **Interface Translation**: Translates the built-
- **Language**: Allows users to confi
AUTOMATED TRANSLATIONS

MODULE ENABLED AUTOMATICALLY IN FOREIGN INSTALL

NOT REQUIRED IF YOU WANT LANGUAGE ASSIGNMENT ONLY

AUTOMATED TRANSLATION DOWNLOADS
CENTRALIZED
TRANSLATION FILE LOCATION
CUSTOMIZATION TRACKING

Translation file

Choose File: No file chosen

A Gettext Portable Object file. Files must be less than 2 MB. Allowed file types: po.

Language

Afrikaans

- Treat imported strings as custom translations
- Overwrite non-customized translations
- Overwrite existing customized translations
CUSTOMIZED TRANSLATIONS ARE TRACKED

MAY BE PROTECTED FROM COMMUNITY TRANSLATION OVERWRITES

IMPORT WILL NOT TIME OUT, READS IN PIECES
<table>
<thead>
<tr>
<th>Singular form</th>
<th>Singular form</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 min*</td>
<td>1 perc</td>
</tr>
<tr>
<td>Plural form</td>
<td>Plural form</td>
</tr>
<tr>
<td>@count min*</td>
<td>@count percek</td>
</tr>
<tr>
<td>Singular form</td>
<td></td>
</tr>
<tr>
<td>1 sec</td>
<td></td>
</tr>
<tr>
<td>Plural form</td>
<td></td>
</tr>
<tr>
<td>@count sec</td>
<td></td>
</tr>
<tr>
<td>Unapproved comments</td>
<td></td>
</tr>
<tr>
<td>@count</td>
<td></td>
</tr>
</tbody>
</table>
WHOLE NEW INTERFACE

“IN-PLACE” TRANSLATION TABLE

SUPPORTS PLURAL TRANSLATION

KEEPS RECORD OF CHANGES MADE

STRINGS RECORDED AS CUSTOMIZED

CUSTOMIZATION AWARE EXPORT TOO
ENGLISH CAN BE TRANSLATED TO
TRANSLATE TO ENGLISH
WHOLE NEW INTERFACE
CUSTOM TRANSLATION TRACKED
IMPORT WILL NOT TIME OUT
CENTRALIZED FILE DIR
AUTO-DOWNLOAD
SEPARATE MODULE
CONTENT TRANSLATION

Field translation in built-in API for all entities. Content translation module provides user interface.
ALL CONTENT ENTITIES* ARE SUPPORTED
INTEGRATED CONFIGURATION

Custom language settings
- Comment
- Custom Block
- Content
- Taxonomy term
- User

Save
INTEGRATED CONFIGURATION

Dynamic integrated configuration per bundle to per field translation
Sensible defaults for field types
Sub-field type details supported
INTEGRATED CONFIGURATION

Dynamic integrated configuration per bundle to per field translation

Sensible defaults for field types

Sub-field type details supported
INTEGRATED CONFIGURATION

DYNAMIC INTEGRATED CONFIGURATION

PER BUNDLE TO PER FIELD TRANSLATION

SENSIBLE DEFAULTS FOR FIELD TYPES

SUB-FIELD TYPE DETAILS SUPPORTED
My first article

Submitted by admin on Tue, 04/16/2013 - 14:32

A very exciting article, right?

Tags: exciting articles

Add new comment

Your name admin
TRANSLATION INTERFACE

TRANSLATION TABS ON CONTENT

ADD TRANSLATIONS FOR EACH LANGUAGE

POSSIBLE TO TAKE DIFFERENT SOURCE LANGUAGE

CAN EDIT “ALL LANGUAGE” VALUES WITH PERMISSION
TRANSLATION INTERFACE

TRANSLATION TABS ON CONTENT

ADD TRANSLATIONS FOR EACH LANGUAGE

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CAN EDIT “ALL LANGUAGE” VALUES WITH PERMISSION

Translations of *My first article*

<table>
<thead>
<tr>
<th>LANGUAGE</th>
<th>TRANSLATION</th>
<th>SOURCE LANGUAGE</th>
<th>STATUS</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (Original language)</td>
<td>My first article</td>
<td>n/a</td>
<td>Published</td>
<td>Edit</td>
</tr>
<tr>
<td>Hungarian</td>
<td>n/a</td>
<td>n/a</td>
<td>Not translated</td>
<td>Add</td>
</tr>
</tbody>
</table>
TRANSLATION INTERFACE

TRANSLATION TABS ON CONTENT

ADD TRANSLATIONS FOR EACH LANGUAGE

POSSIBLE TO TAKE DIFFERENT SOURCE LANGUAGE

CAN EDIT “ALL LANGUAGE” VALUES WITH PERMISSION
PROPERTIES
NOT YET TRANSLATABLE
MIGRATION PATH
NOT EVEN STARTED
CORE SEARCH AND API HAS LANGUAGE SUPPORT
NODE ACCESS API
HAS LANGUAGE SUPPORT
NODE ACCESS API SUPPORTED
SEARCH INDEX AS SEPARATE
SEARCH API UPDATED
FOR ALL CONTENT ENTITIES
PER BUNDLE + FIELD + SUB-FIELD

⚡️ PROPERTIES
⚡️ MIGRATION
CONFIGURATION

Common configuration system handles blocks, views, field settings. Unified translation.
CONFIG VS. CONTENT
CONFIG VS. CONTENT

ENTITIES

CONTENT

NODES

COMMENTS

CONTACT MESSAGES

USERS

TERMS

MENU ITEMS
CONFIG VS. CONTENT

ENTITIES

CONTENT
- Nodes
- Comments
- Contact Messages
- Users
- Terms
- Menu Items

CONFIGURATION
- Views
- Vocabularies
- Contact Categories
- Fields
- Site Info
- User Mails
LANGUAGE TRACKED ON EACH CONFIG FILE
SHIPPED CONFIG IS IN ENGLISH
CONFIG SUPPORTS
RUNTIME OVERRIDES
CONFIG INCLUDES
SCHEMA SUPPORT
FOR SHIPPED CONFIGURATION

String contains
Website feedback
Leave blank to show all strings. The search is case sensitive.

Translation language
Hungarian
Search in
Both translated and untransl

* Changes made in this table will not be saved until the form is submitted.

SOURCE STRING                      TRANSLATION
Website feedback*                   Webhely viss
FOR SHIPPED CONFIGURATION

TRANSLATABLE CONFIGURATION FOUND USING SCHEMA

MADE AVAILABLE FOR TRANSLATION

SAVED BACK TO CONFIGURATION OVERRIDES
FOR SHIPPED CONFIGURATION

TRANSLATABLE CONFIGURATION FOUND USING SCHEMA

MADE AVAILABLE FOR TRANSLATION

SAVED BACK TO CONFIGURATION OVERRIDES
ONLY FOR SHIPPED CONFIGURATION
CONTRIB MODULE
ADDS TRANSLATION UI
FOR ANY CONFIGURATION

- **Configuration translation**: Provides a translation interface for configuration settings.
- **Content Translation**: Allows users to translate content.
- **Interface Translation**: Translates the built-in user interface.
- **Language**: Allows users to configure language settings.
FOR ANY CONFIGURATION

PUTS TRANSLATION TABS ON CONFIGURATION PAGES

CAN TRANSLATE TO ANY CONFIGURED LANGUAGE

PROPOSED FOR CORE, MAY BE POSSIBLE
FOR ANY CONFIGURATION

PUTS TRANSLATION TABS ON CONFIGURATION PAGES

CAN TRANSLATE TO ANY CONFIGURED LANGUAGE

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PROPOSED FOR CORE, MAY BE POSSIBLE
FOR ANY CONFIGURATION

PUTS TRANSLATION TABS ON CONFIGURATION PAGES

CAN TRANSLATE TO ANY CONFIGURED LANGUAGE

PROPOSED FOR CORE, MAY BE POSSIBLE
CHANGE MANAGEMENT TODO
USER INTERFACE
STILL TRICKY
FULL INTERFACE IN CONTRIBUTION
STANDARD TRANSLATION TABS
SCHEMA SYSTEM
CONFIG OVERRIDES WORKS FOR ANY CONFIG
CORE UI FOR SHIPPED ONLY
⚡CHANGE MANAGEMENT ⚡UI TRICKY
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GET INVOLVED
GET INVOLVED

WEBSITE
drupal8multilingual.org / localize.drupal.org

TWITTER
twitter.com/d8mi

SPRINT IN PORTLAND
groups.drupal.org/node/281033

SPRINT IN DUBLIN
dublin2013.drupaldays.org
Sprint: Friday

Sprint with the community on Friday.

We have tasks for every skill set.

Mentors are available for new contributors.

An optional Friday morning workshop will help you set up community tools.

Follow @drupalmentoring

http://portland2013.drupal.org/program/sprints
What did you think?

Evaluate this session at: portland2013.drupal.org/schedule.

Thank you!