



— DRUPALCON —

*Portland*

MAY 20-24 2013

# Multilingual Drupal 8

Gábor Hojtsy (@gaborhojtsy)

Building Bridges, Connecting Communities

Home >

# GÁBOR HOJTSY

**View**

Edit

My Schedule

My Sess

## GÁBOR HOJTSY

ACQUIA

DRUPAL DEVELOPER

Gábor is an open source enthusiast and contributor, a developer, working with and on the open source project. He started off contributing to Open Source in 2000 when he joined the representation team and became the lead to that team. He is a senior PHP developer by

(AKA HOW TO...)  
Lisa Rex  
*User Experience (UX)*  
INTERMEDIATE

Josh Koenig  
DevOps  
★ INTER

11:45AM - 1:00PM



**LUNCH:** Pick up your lunch in Ha

1:00PM - 2:00PM

**MULTILINGUAL DRUPAL 8**

Giçbor Hojtsy

*Core Conversations*

★ BEGINNER

RE  
K

-enzo- 1ethylorest Sven a1russell aarnaverill aaronott Abhishek\_R\_Shah ACF achtou AdriaB agentrickard aitiba akahn akejoaha Alan D. Alan Evans alberto56 Albert Volkman alduya alexanderpas alexh58 **alexpott** Alex UA alexweber alex\_b Alice Heaton alippai **amateescu** Amitaibu amontero anarcat anavarre ancamp andremolnar Andrew Schulman Andreyy andyceo andymartha **andypost** animelion **annikaC** anrikun Antton ardas arianek aries arlinsandbulte Aron Novak aroq Artusamak arunaseva aschiwi AshishK **aspilicious** **attiks** aturetta August1914 axel.rutz **ayelet\_Cr** a\_webb babasse05 babruix balagan balintk BarisW **batigolix** beejeebus BenK bensemme **Berdir** bforchhammer bfroehle bisonbleu bjaspan Bodo Maass bojanz Bojhan Bojhan.core Boobaa bookmarvel boran Boris Mann boris sondagh boztek brantwynn brianV BrightBold BrockBoland bschusseck bsherwood c4doug c31ck c960657 cafuego caktux cam8001 Carl Johan Carsten Müller carwin casey **catch** cbiggins cburschka cha0s Charles Belov charmi chrischinchilla chrisjlee chrispomeroy Christopher Jam... **chX** cirage CKoch clashar claudinec claudiu.cristea **clemens.tolboom** colan corvus\_ch cosmicdreams Cottser Countzero cpelham craychee Crell crotown csg cshuangtw cweagans cwgordon7 Cyberwolf czigor dado Daemon\_Byte dagmar **dagmita** dags damiankloip DamienMcKenna Damien Tournoud danielnolde danillonunes DanPir **das-peter** dasjo Dave Cohen Dave Reid David Lesieur David Strauss **David\_Rothstein** **dawehner** dboulet dcam dcmistry dcmouyard dcrocks dddave Deciphered deletedaccount delmarr DeNelo denjell derEremit desbeers Devin Carlson DickJohnson disasm dixon\_ djdevin DjebbZ dman Dmitriy.trt docker dodorama dokumori donquixote douggreen dpearceMN dpi Dragan Eror drewish **Dries** drifter dropcube droplet drubage drupaljoe drupleg **dsnopex** dtarc dubcanada dudycz duellj dvinegla dww dysrama Désiré **e0ipso** e2thex earnie eaton ebeyrent EclipseGc edrupal edward\_or **effulgentsia** eigentor elcuco elfenixtorres elfur Elijah Lynn **EllaTheHarpy** emarchak eojthebrave ericduran Eric\_A ershov.andrey Everett Zufelt evolvingweb ezra-g Fabianx fabpot fabsor **fago** fakingfantastic falcon03 Fannon fastangel fgm Fidelix fietserwin FiNeX **fjd** Fleshgrinder floretan FrancescoQ Frando Frank Ralf franskuipers franz Freso fubhy fureigh fwalch gabriel.achille Gabriel Radic Gaelan gaele Garrett Albright gaspaio gaurav26570 gausarts gbentley geerlingguy Georgii Gerhard Killesreiter giorgio79 GiorgosK good\_man gpapadongonas green\_c greg.1.anderson greggles grendzy guillaumev gumanist gusgsm1 guygg guy\_schneerson Hadi Farnoud hairqls Hanno hansfn harrrrrrr hass Haza hefox hejazeer hellolindsay henribergius herom heyrockeer hinikato HnLn holtzermann17 houtbayblogger hswong3i **Hydra** IceCreamYou2 idflood ifux Ignacio Sánchez iliphil iMiksu indytechcook intuited **IshaDakota** itarato izmeez izus j.somers j0rd Jacine jackhutton jagalbraith jamesharv jamiehollern jamienotweet janusman japicoder **jaredsmith** jayboodhun Jaza jbrown jcisio Jeff Burnz Jeffrey C. Jelle\_5 jeni\_dc jenlampton jepSter jessebeach jessehs jherencia **jhodgdon** jibran JirkaRybka jlscott jmesam joachim joates Jody Lynn joewatkins JohnAlbin johnv JonMcL Jon Pugh joris.verschueren **Jose Reyero** jrglasgow jsbalsera jstoller jthorson juhovh JuliaKM julien JulienD jvieille jvns jwilson3 **K2Hook42** k4v kaakuu kalabro kalman.hosszu KarenS Kartagis katbailey kathyh kbahey kbasarab kcouch keith.smith kevee Kevin Morse kid\_icarus kika killes@www.drop.org killua99 kim.pepper kkaefer klausii klonos kompressaur KrisBulman **Kristen Pol kristiaanvandeneynde** krlucas ksenzee kurt.iverson lambic langworthy lanthaler larowlan LarsKramer Lars Toomre LAsan lazysoundsystem **LeeHunter** leenwebb leschekfm Liam McDermott Liam Morland **likin** lilou linclark liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth LoMo lonelyrobot longwave lotyrin LoveCharge LPCA lslinnet lsmith77 Lukas von Blarer lund.mikkel lvbeck maciej.zgadza Mac\_Weber magico manningpete MantasK marcel66 marcingy marcushenningsen marcusx marcvangend marfillaster Mark Carver markus\_petrux martin\_q maryedith matason matt2000 mattyoung Maune mavimo maxchock maximn maxterner23 maxtorete mbyrnes MegaChriz merlinofchaos mermenggc mesr01 mfb mgifford MHLut MichaelCole michaelmol Michelle micnap mikeryan mikewink mikl minff mioan Mirabuck mirocow miro\_dietiker mitchell mitron **mjohnq3** mjlortitzky mjreich mlecha mlehner616 mlncn moe4715 mondrake mortendk moshe weitzman mpg mr.baileys mr.york **mradcliffe** **mrP** mrsinguyen msonnabaum mtomaizy mustafau mvc my-family n3or nadavoid nagwani NancyDru naught101 nbz neclimdul nedjo neochief nerdstein nevergone nevets nicholosophy Nick Lewis **nick\_schuch** Nick\_vh nicxvan nikhilasarani nikkubhai Niklas Fiekas nkschaefer nod\_ nonsie NotNotCow no\_angel no\_commit\_credit no\_longer\_active\_13 nyleve101 omar omercioglu OnkelTem oresh oriol\_e9g Owen Barton pameeela **Pancho** parasite **ParisLiakos** Pasqualle patrickd paularmand pdrake Pedro Lozano **penyaskito** perusio peterx peximo pfrenszen philbar pillarsdotnet Pinolo pixelite pixelwhip pkiraly **plach** Plascual plopecs podarok Pol pounard pp PrabhuG psynaptic pwolanin qgil quicksketch **quietone** rachellawson rachit\_gupta rahuldolas123 rameshbabu.g Ranko rasskull rbayliss rdickert redndahead reglogge renat rfay ricardoamaro rickmanelius rickvug rkjha rli rlmumford robertgarrigos Roberto Gerola Robin Monks RobLoach RobW rocket\_nova roderik ronald\_istos rooby rteijeiro rudiedirkx rupl rvilar rwt ry5n ryanissamson Ryan Weal salvis sandipmkhairnar sandykadam savithac Sbarsody **Schnitzel** scor SeanBannister SebCorbin Sephi77 sethiele seutje sfyn Shai **shanethehat** Shellingfox shenzhuxi shuklasp Shyamala sidharthap silverdog silverwing simolokid Simon Georges sinasalek sir\_squall skwashd slowflyer smiletrl **smithworx** smokris snufkin Soul88 sourcesoft spacereactor spearhead93 sreynen Stalski starchild Stefan Nagtegaal steinmb stella Steven Jones stevepurkiss stpaultim **SUN** sun.core surgeonbor **Sutharsan** svendecabooter svenryen Sweetchuck swentel sxnc Sylvain Lecoy sylvain\_a **tammo1** tarmstrong tatarbj te-brian **thamas** thedavidmeister thePanz theunraveler **the\_phi** Thomas\_Zahreddin tim-e **tim.plunkett** timmillwood timofey tinker tkoleary tcloudon tobiasb toemaz tomsm Tor Arne Thune torpy TR Transition TravisCarden **tsi** **tstoeckler** tsvenson twistor TwoD twomasc typhonius Ujin underq vaartio valokettu valthebald Vapes Vasi1186 **vijaycs85** Vikas Negi VladSavitsky voxpelli vvasamit2007 walkah weakqueen99 **webchick** webflo webkenny wikidkaka WilliamB Wim Leers wmostrey wojtha woody WormFood wrg20 wusel xaav Xano xecstasyx Xjm xmacinfo xpound xslim yang\_yi\_cn yannisc yched **YesCT** ygerasimov yhager yohannbzh yoroy ytsurk yurtboy z.stolar ZenDoodles zerodeux zetagraph zirvap zkday znerol Zoltán Balogh zroger zserno



Photo by Michael Schmid





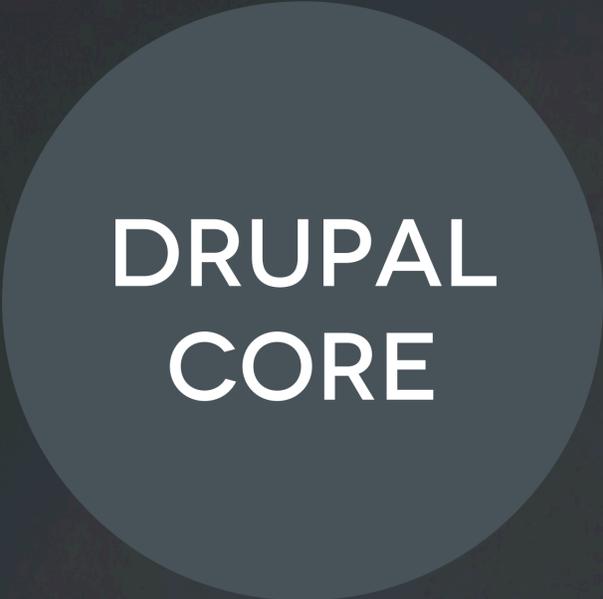
Photo by Michael Schmid



Photo by Michael Schmid

# DRUPAL 7 MULTILINGUAL

# DRUPAL 7 MULTILINGUAL



DRUPAL  
CORE

# DRUPAL 7 MULTILINGUAL

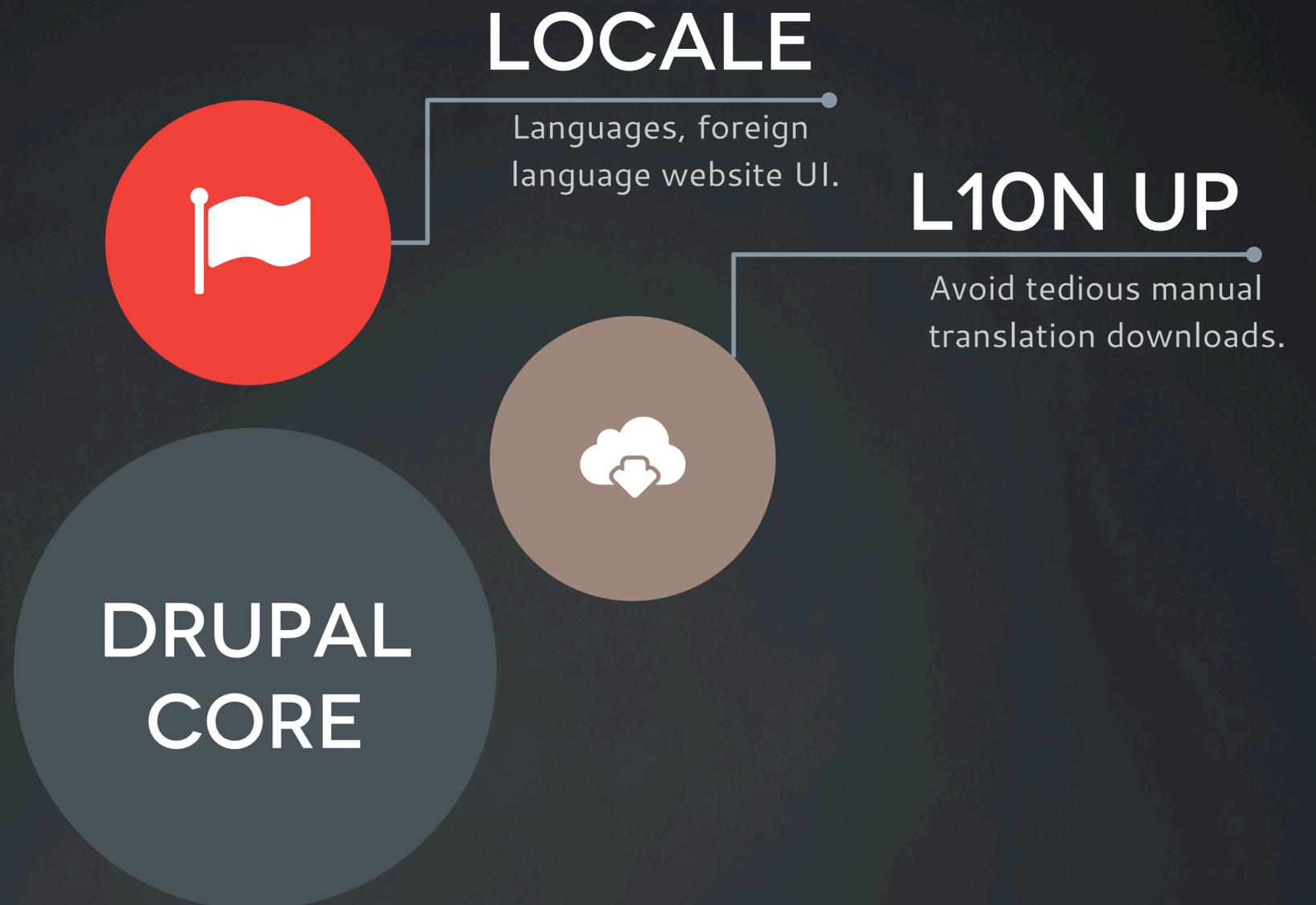
## LOCALE



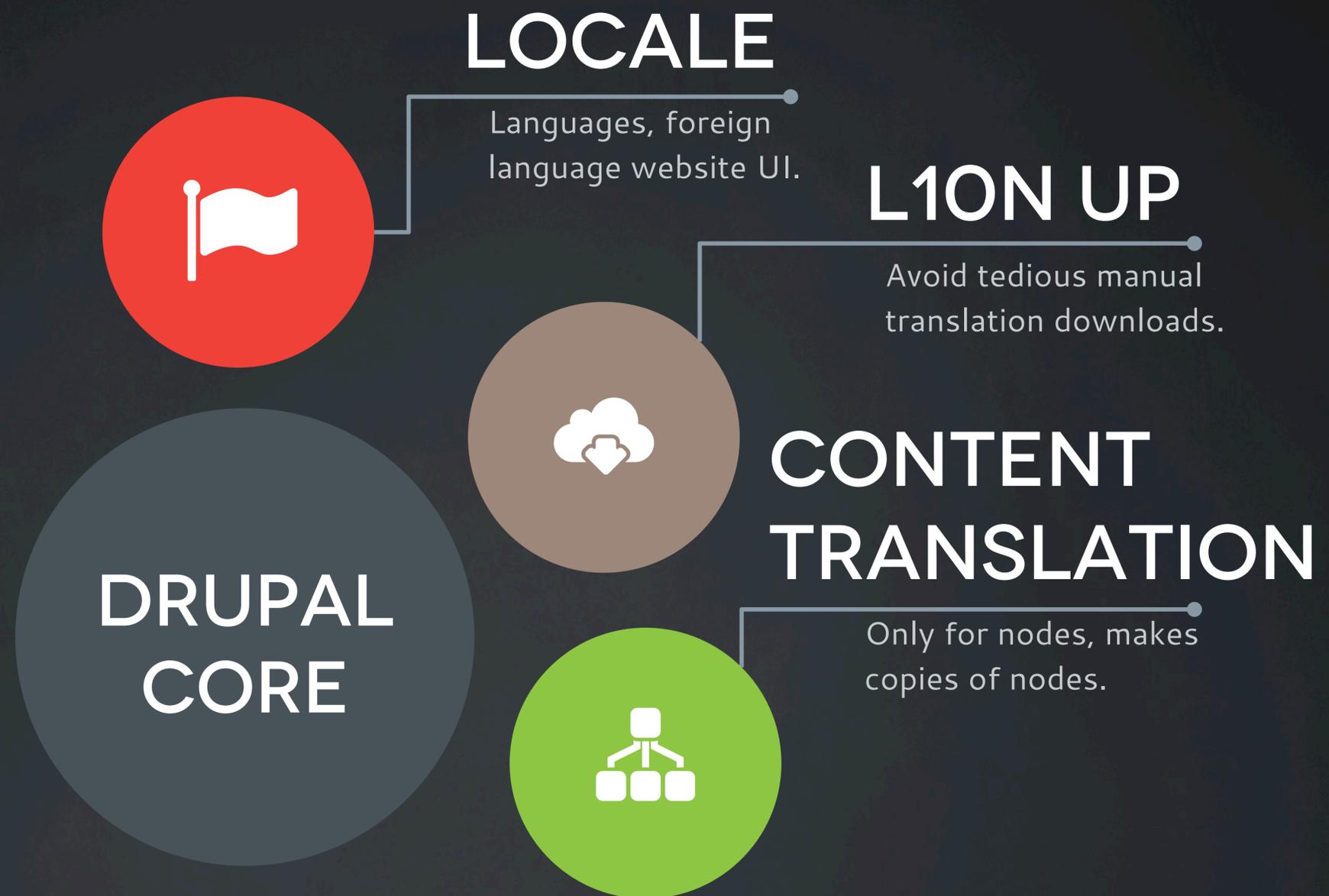
Languages, foreign  
language website UI.

DRUPAL  
CORE

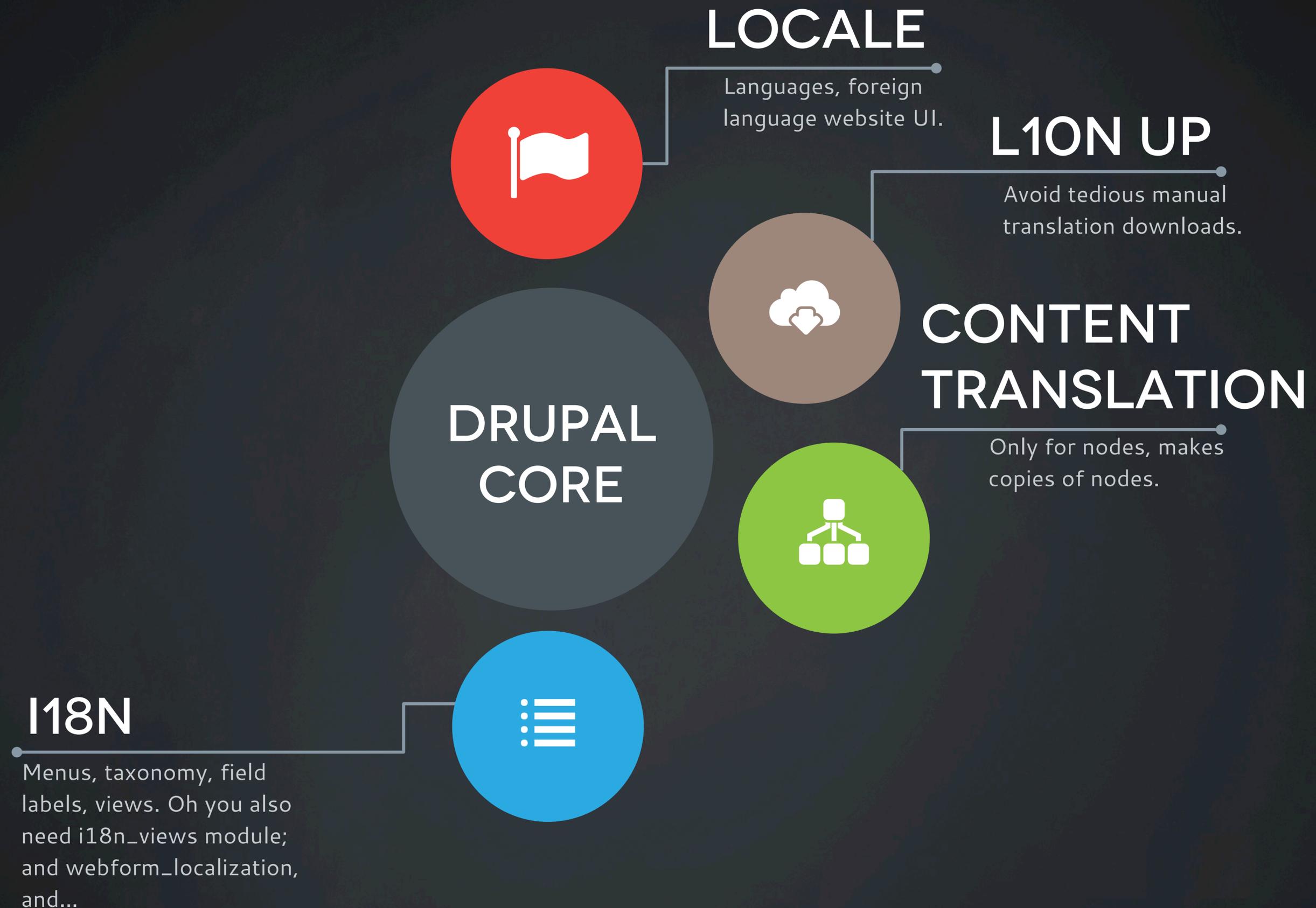
# DRUPAL 7 MULTILINGUAL



# DRUPAL 7 MULTILINGUAL



# DRUPAL 7 MULTILINGUAL



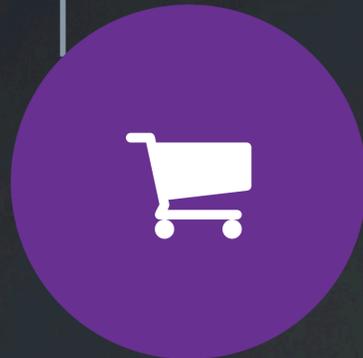
# DRUPAL 7 MULTILINGUAL



# DRUPAL 7 MULTILINGUAL

## 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...

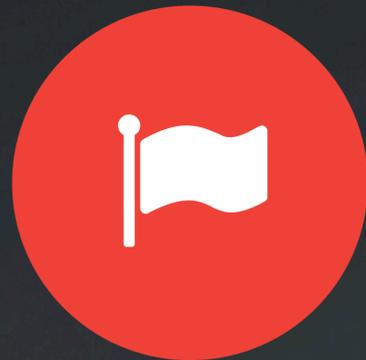


## DRUPAL CORE



## LOCALE

Languages, foreign language website UI.



## L10N UP

Avoid tedious manual translation downloads.



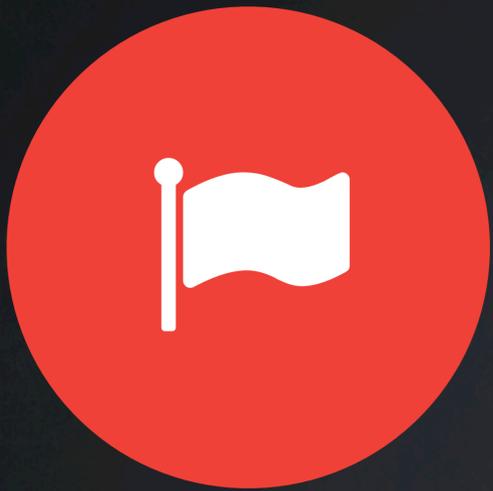
## CONTENT TRANSLATION

Only for nodes, makes copies of nodes.



# FOUR PILLARS IN DRUPAL 8

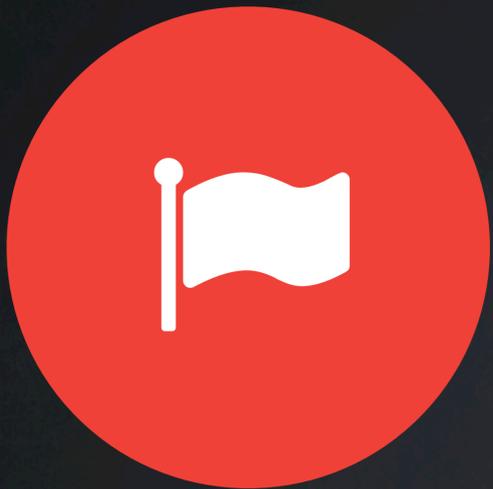
# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

Base services for all modules dealing with data. Not just multilingual.

# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

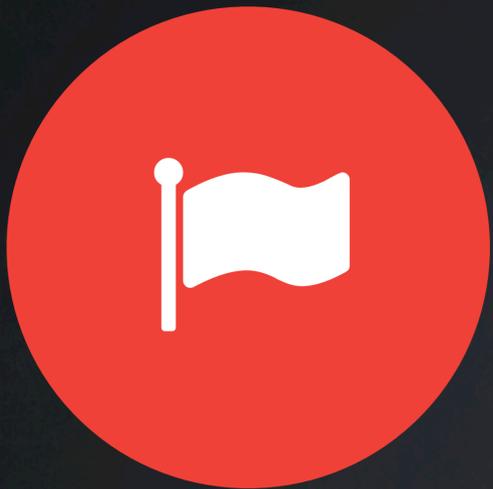
Base services for all modules dealing with data. Not just multilingual.



## INTERFACE

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

# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

Base services for all modules dealing with data. Not just multilingual.



## INTERFACE

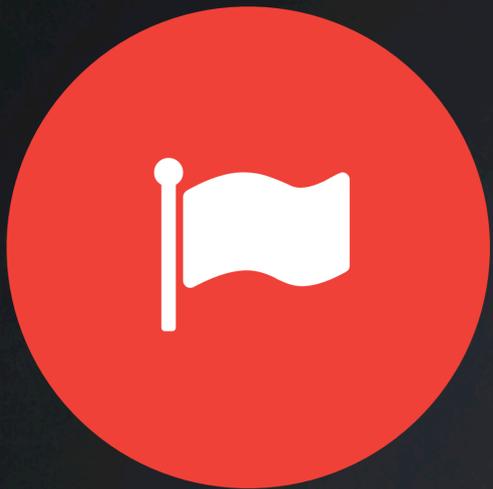
Interface translation has built-in update feature, improved usability.



## CONTENT

Field translation in built-in API for all entities. Content translation module provides user interface.

# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

Base services for all modules dealing with data. Not just multilingual.



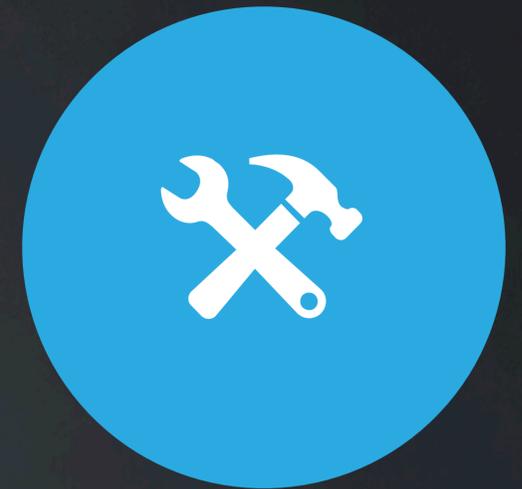
## INTERFACE

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



## CONTENT

Field translation in built-in API for all entities. Content translation module provides user interface.



## CONFIG

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



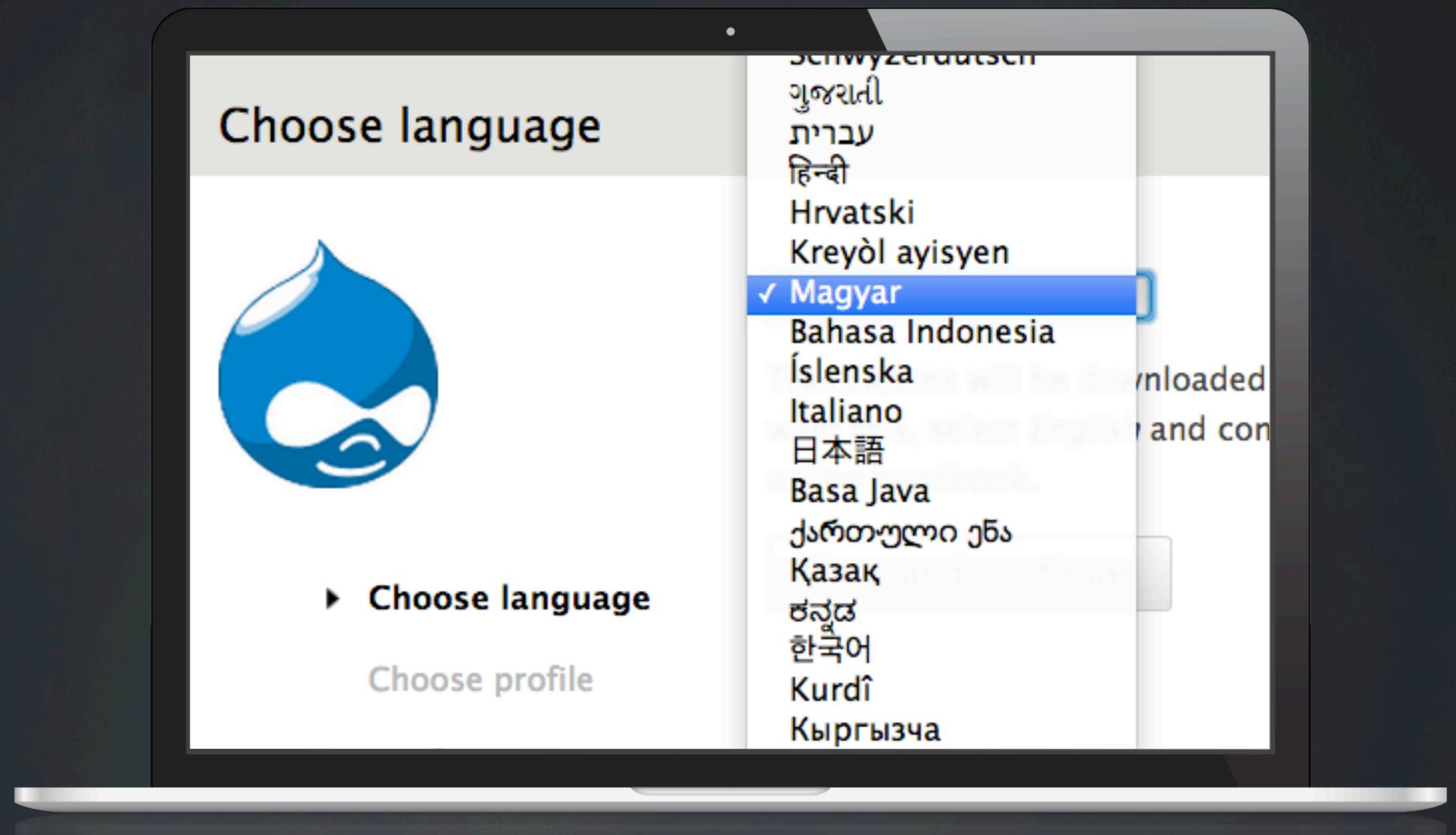


# LANGUAGE

Base services for all modules dealing with data. Not just multilingual.



# LANGUAGE IS STEP ONE



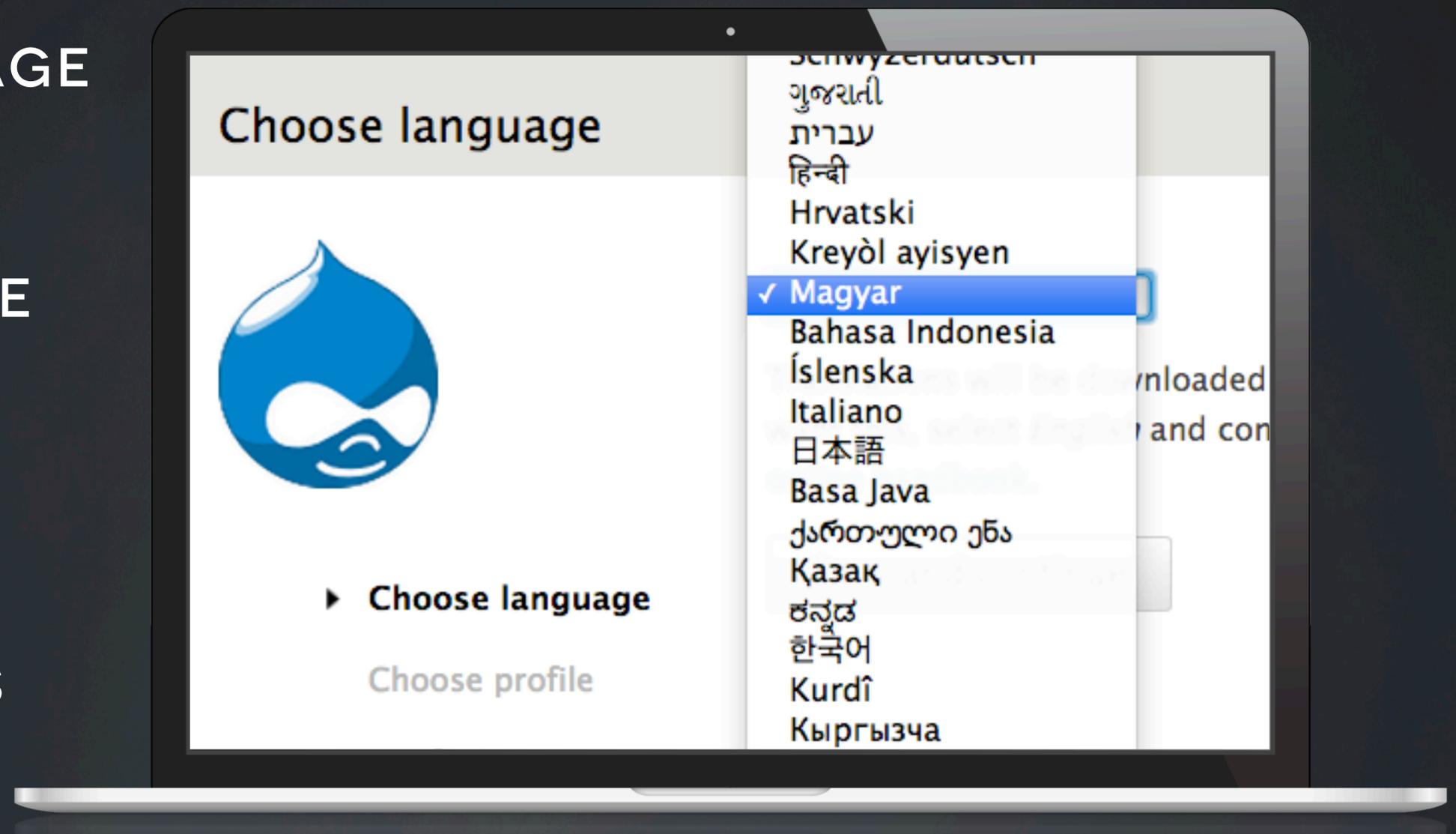
# LANGUAGE IS STEP ONE

DETECTS LANGUAGE  
FROM BROWSER

DOWNLOADS  
TRANSLATION LIVE

INSTALLS IN THAT  
LANGUAGE

WORKS WITH  
DISTROS AND ALL  
FUTURE MODULES



# LANGUAGE ASSIGNMENT

# LANGUAGE ASSIGNMENT



NODES



ALIASES



USERS

# LANGUAGE ASSIGNMENT



NODES



ALIASES



USERS



TERMS

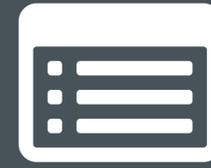
# LANGUAGE ASSIGNMENT



NODES



ALIASES



VIEWS



USERS



TERMS

# LANGUAGE ASSIGNMENT



NODES



ALIASES



VIEWS



USERS



TERMS



SITE INFO

# LANGUAGE ASSIGNMENT



NODES



ALIASES



VIEWS



USERS



TERMS



SITE INFO

LANGUAGE  
SELECTOR NOT  
ALWAYS EXPOSED

# LANGUAGE ASSIGNMENT



NODES



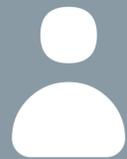
ALIASES



VIEWS



.....



USERS



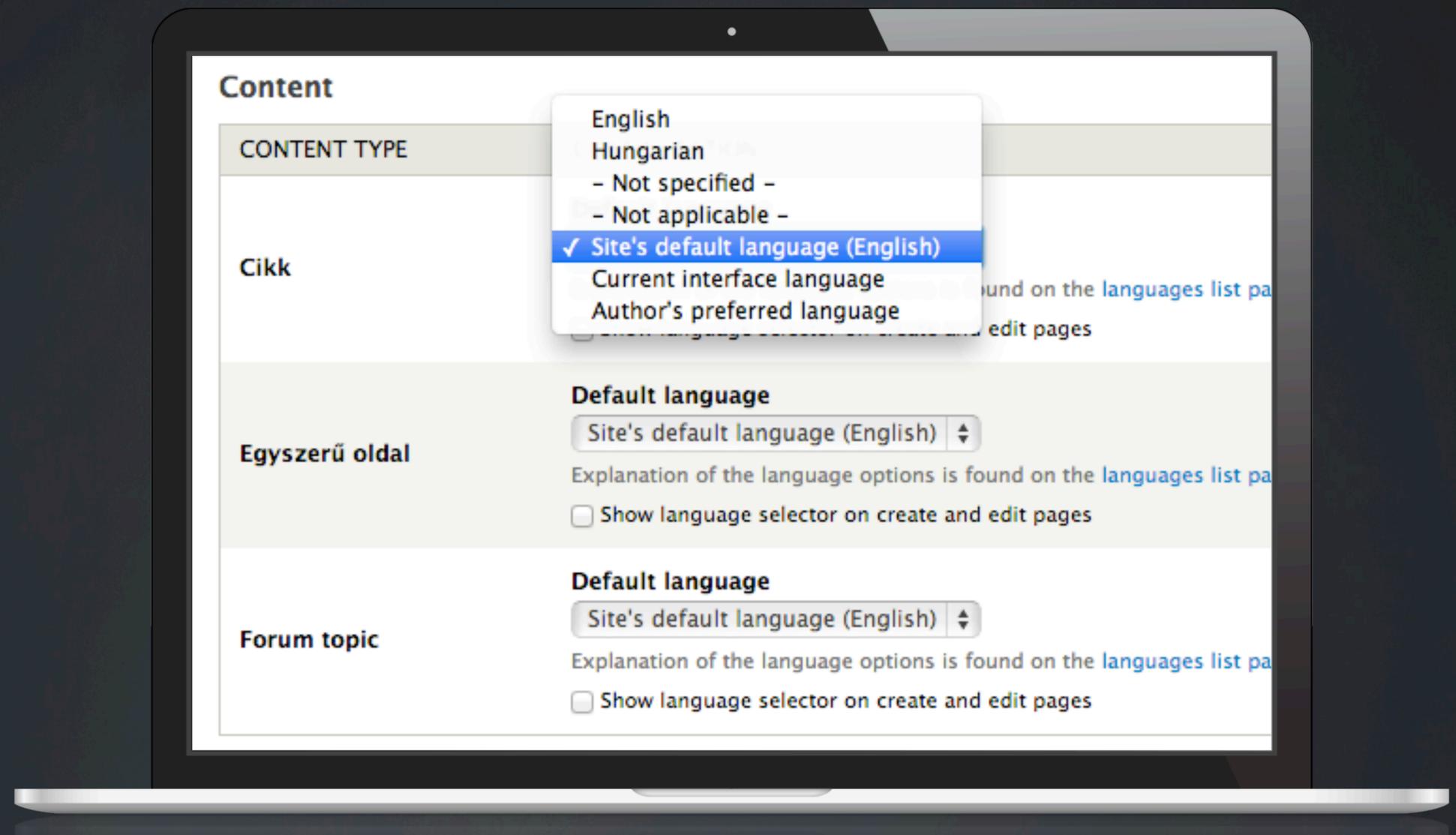
TERMS



SITE INFO

LANGUAGE  
SELECTOR NOT  
ALWAYS EXPOSED

# FLEXIBLE LANGUAGE SETUP



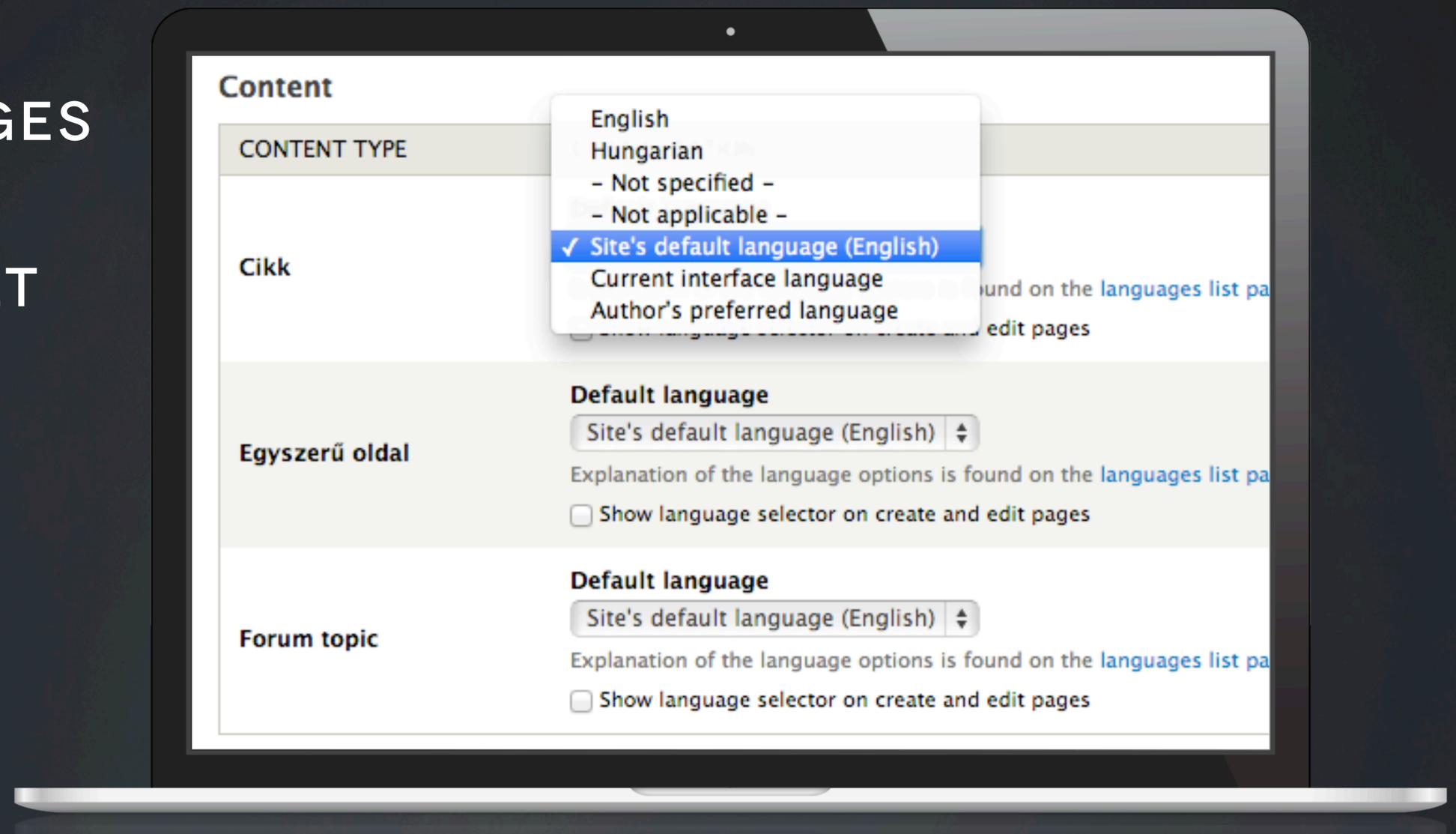
# FLEXIBLE LANGUAGE SETUP

CONTENT CAN BE  
TIED TO LANGUAGES  
PER TYPE

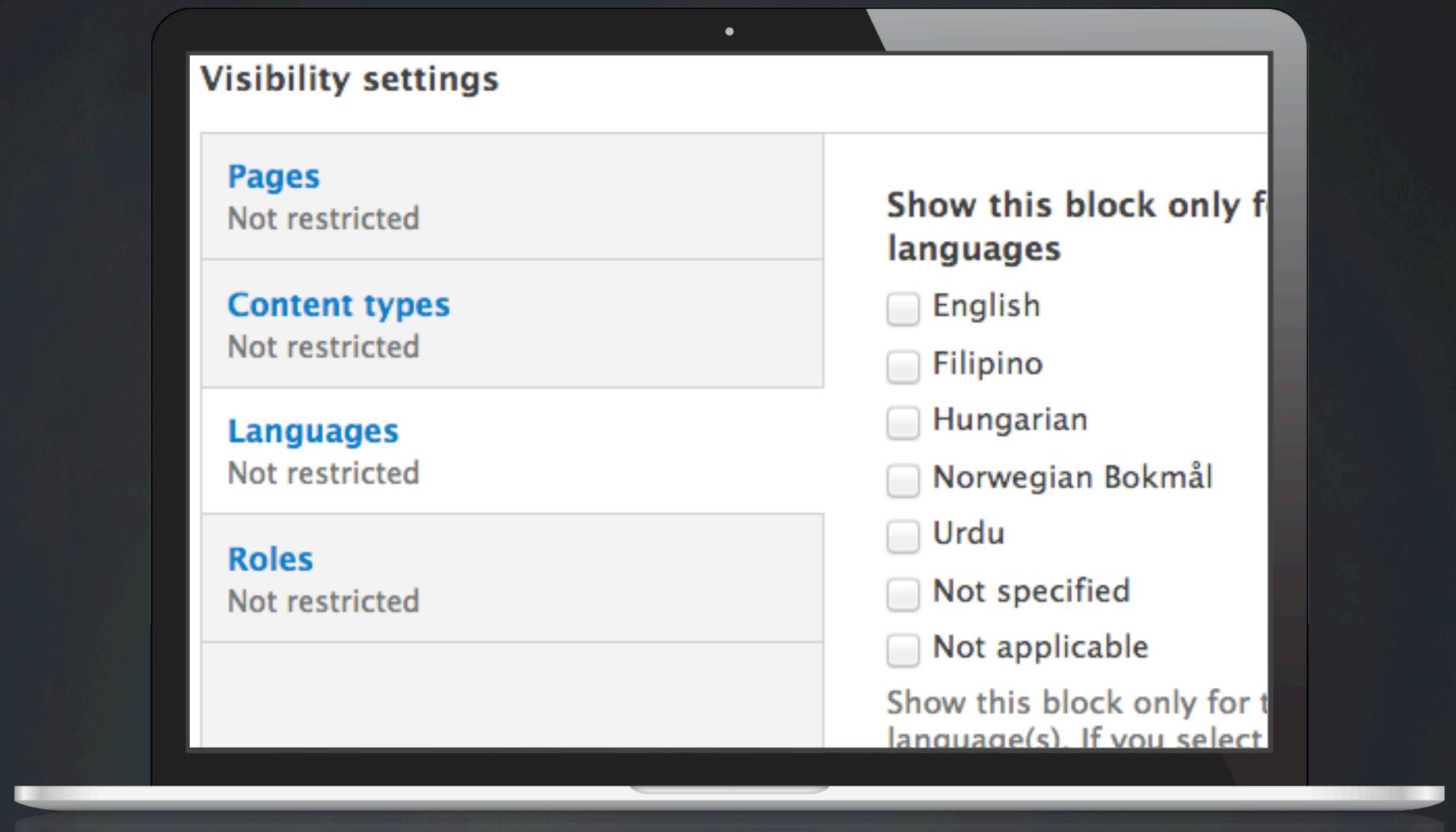
DYNAMIC DEFAULT  
VALUES POSSIBLE

ALL-IN ONE  
CONFIGURATION  
PAGE

TWO SPECIAL  
LANGUAGES



# LANGUAGE VISIBILITY

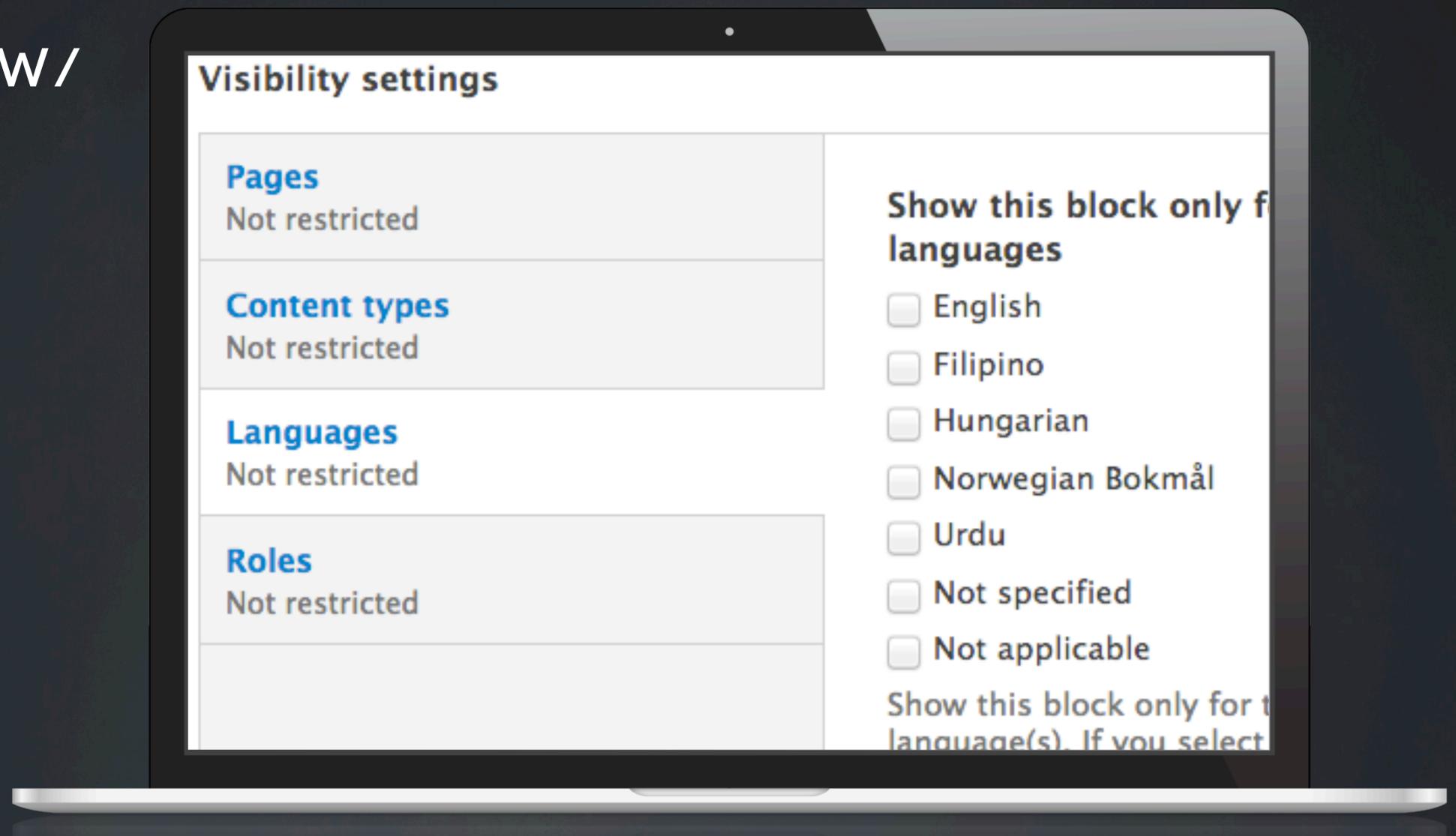


# LANGUAGE VISIBILITY

BLOCKS CAN SHOW/  
HIDE BASED ON  
LANGUAGE

VIEWS ALREADY  
HAS LANGUAGE  
FILTERING  
FEATURES FOR  
CONTENT LISTS

DRUPAL BUILT-IN  
PAGES ARE  
CONVERTED TO  
VIEWS



# LANGUAGE SELECTION

## 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 selection. For the default language, this value may be left blank. **Modifying this value may have unintended consequences. Use with caution in a production environment.** Example: Specifying "deutsch" 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

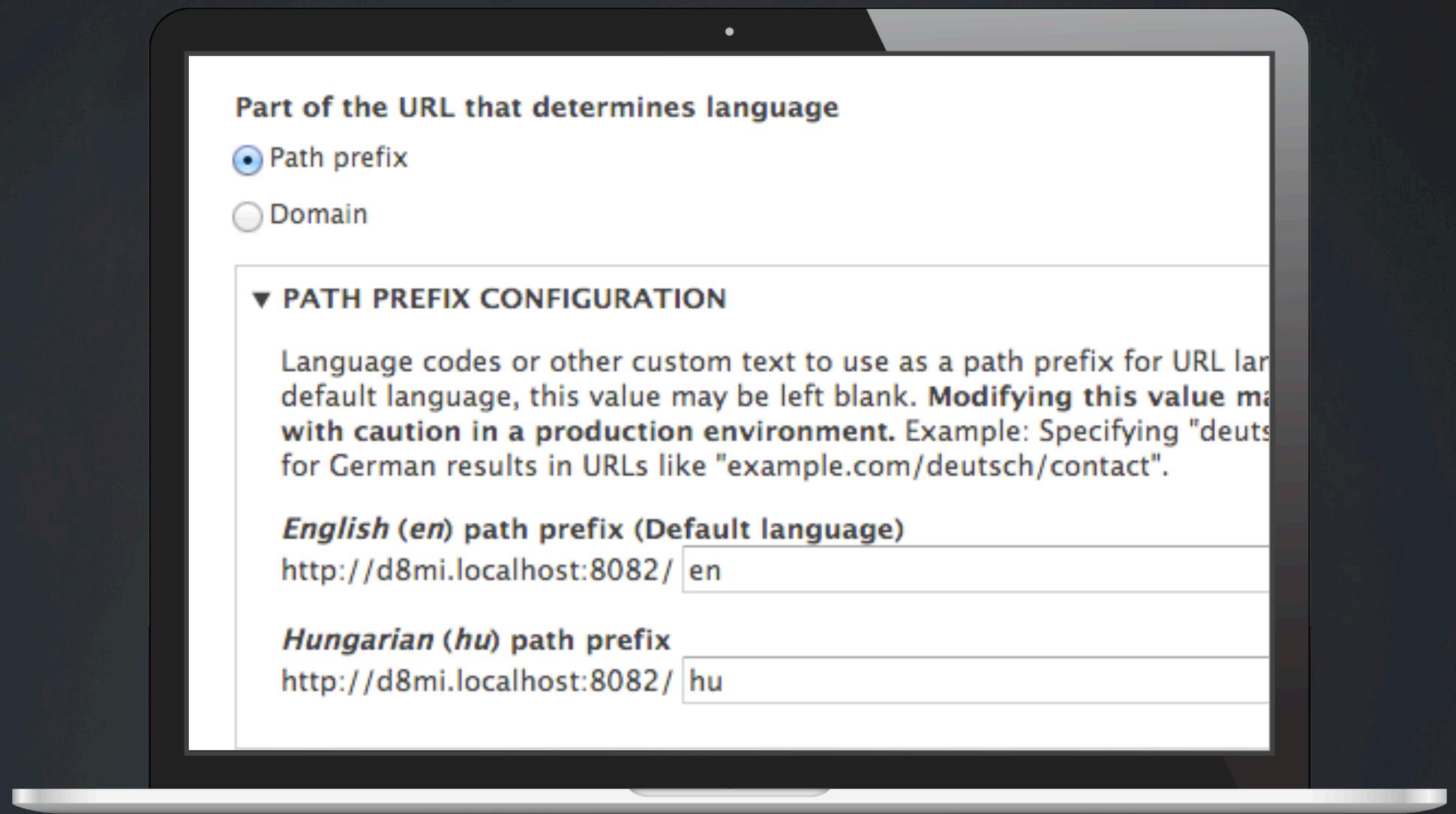
SIMPLIFIED AND  
INTEGRATED

PATH ON BY  
DEFAULT

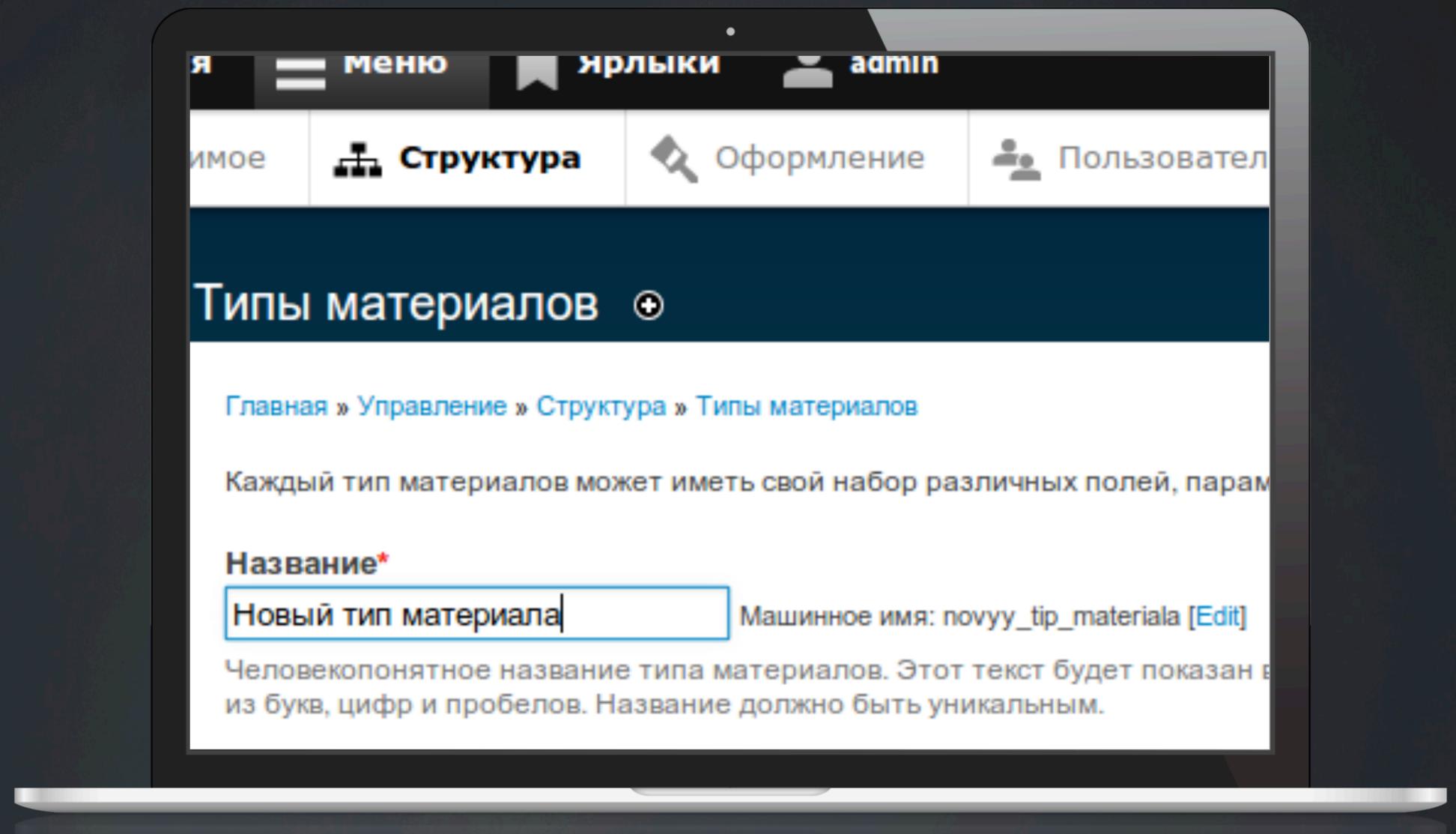
NEW: ADMIN  
PREFERRED  
LANGUAGE

NEW: SELECTED  
LANGUAGE

BROWSER  
DETECTION  
HIGHLY IMPROVED



# NAME TRANSLITERATION



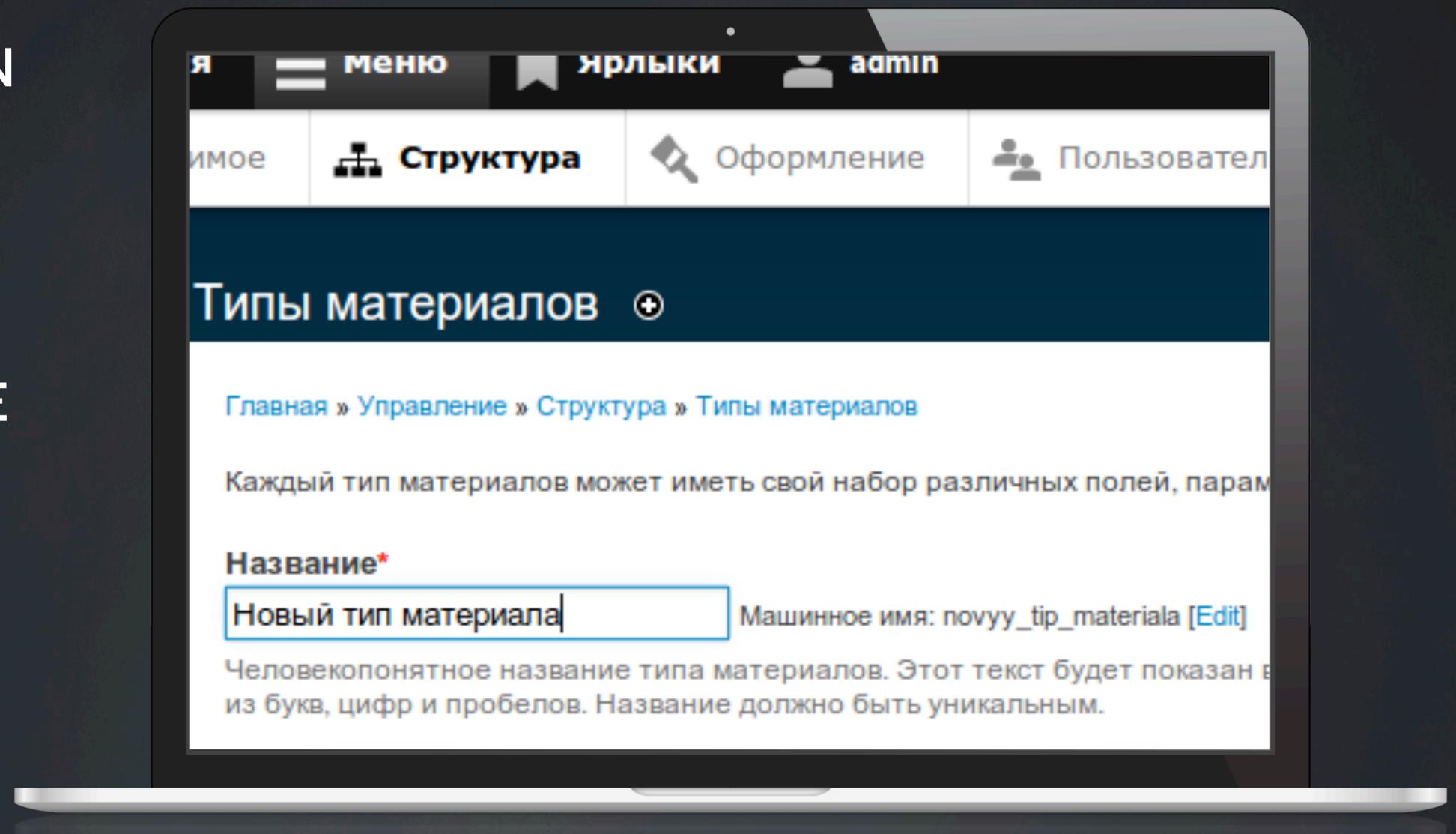
# NAME TRANSLITERATION

TRANSLITERATION  
API IN CORE

USED FOR  
MACHINE NAMES

CONTRIB CAN USE  
IT MORE

POSSIBILITY FOR  
FILE NAMES, ETC.

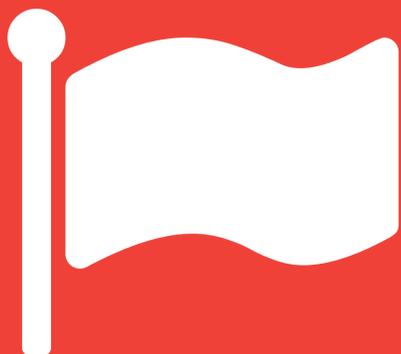


**ENGLISH**

**CAN BE DELETED**



DELETE ENGLISH  
FLEXIBLE SELECTION  
BLOCK VISIBILITY  
VIEWS  
FLEXIBLE CONFIG  
WIDER ASSIGNMENT  
FIRST IN INSTALLER





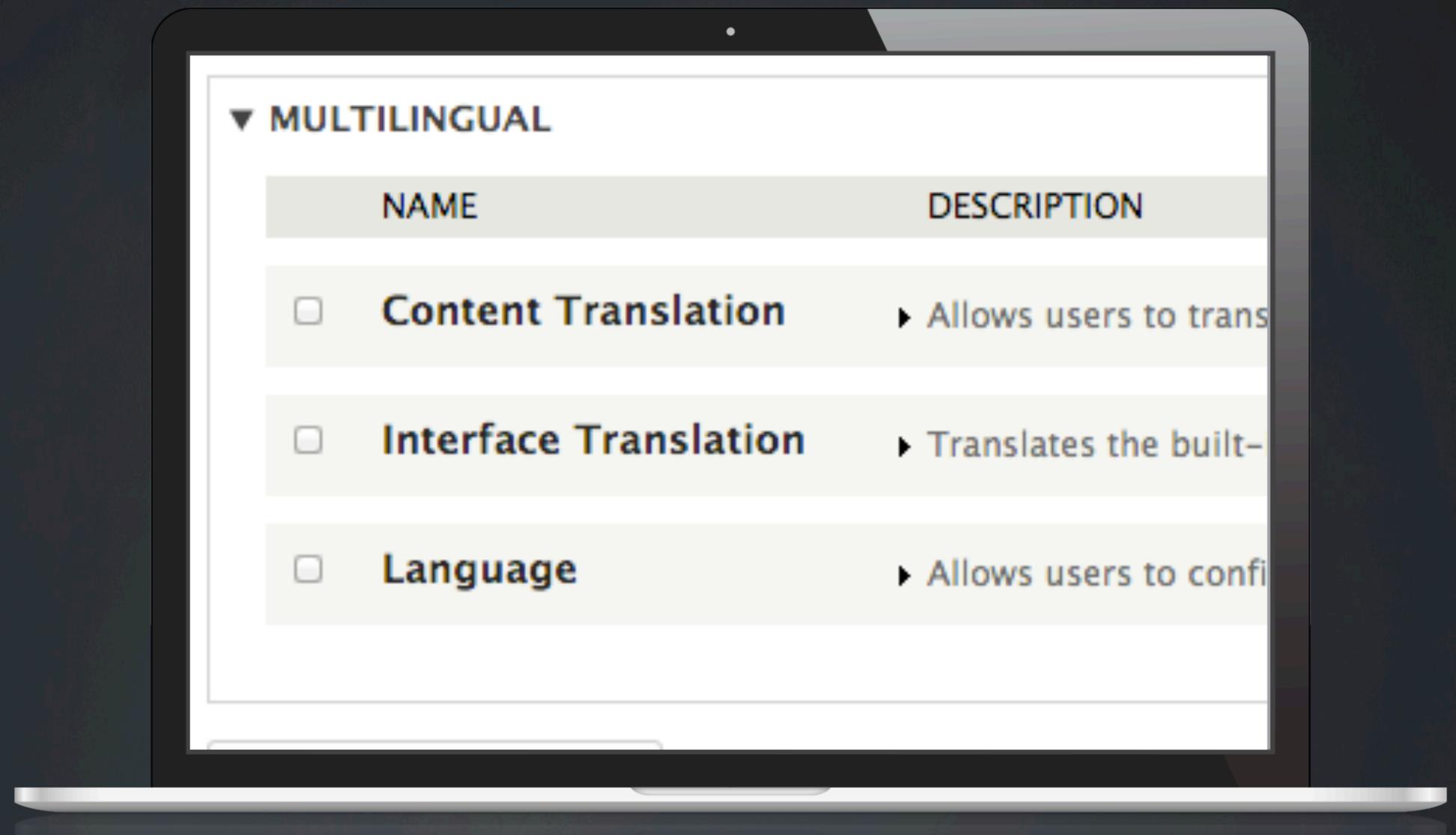


# INTERFACE TRANSLATION

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



# AUTOMATED TRANSLATIONS

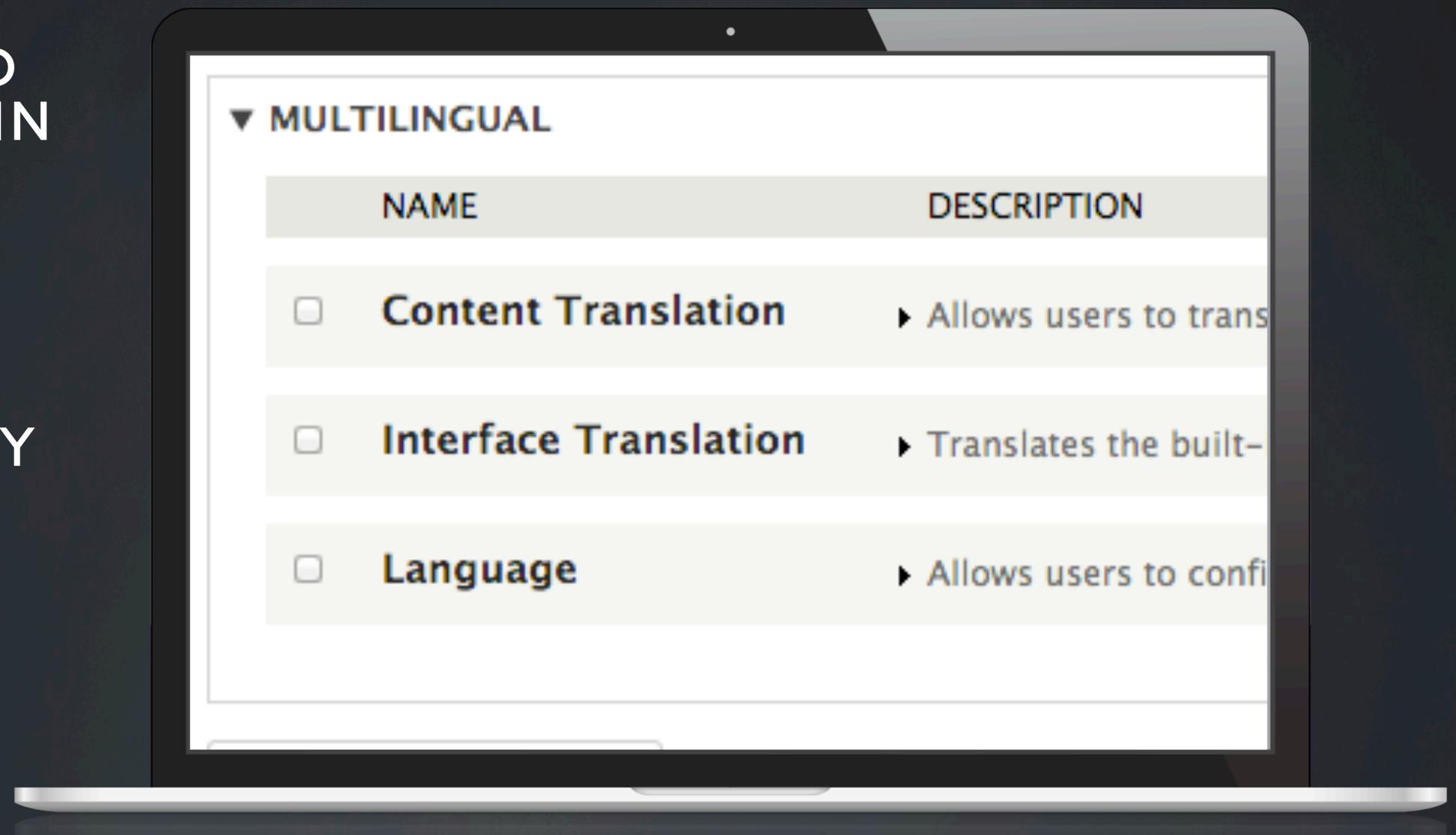


# AUTOMATED TRANSLATIONS

MODULE ENABLED  
AUTOMATICALLY IN  
FOREIGN INSTALL

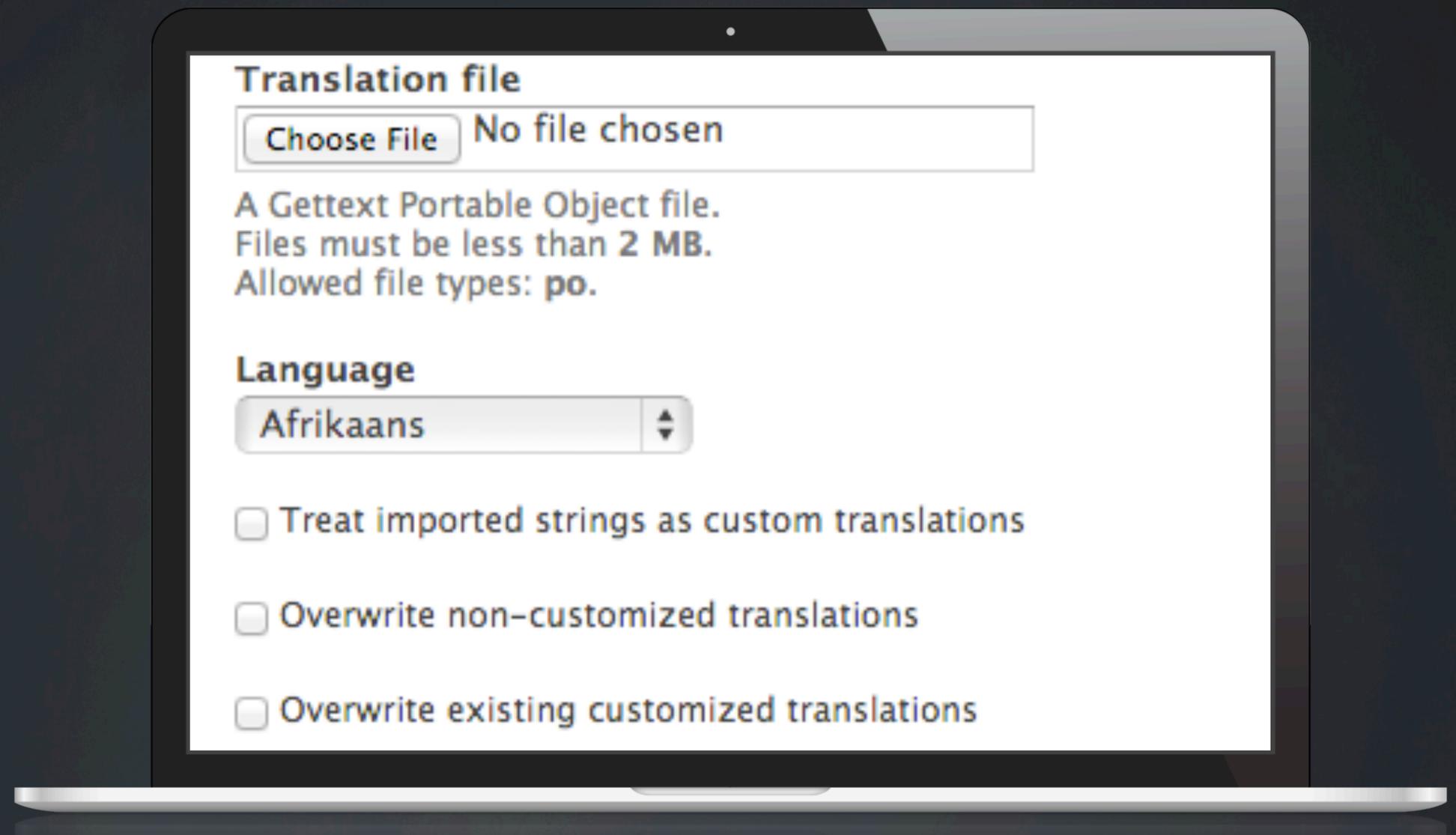
NOT REQUIRED IF  
YOU WANT  
LANGUAGE  
ASSIGNMENT ONLY

AUTOMATED  
TRANSLATION  
DOWNLOADS



**CENTRALIZED**  
**TRANSLATION FILE**  
**LOCATION**

# CUSTOMIZATION TRACKING

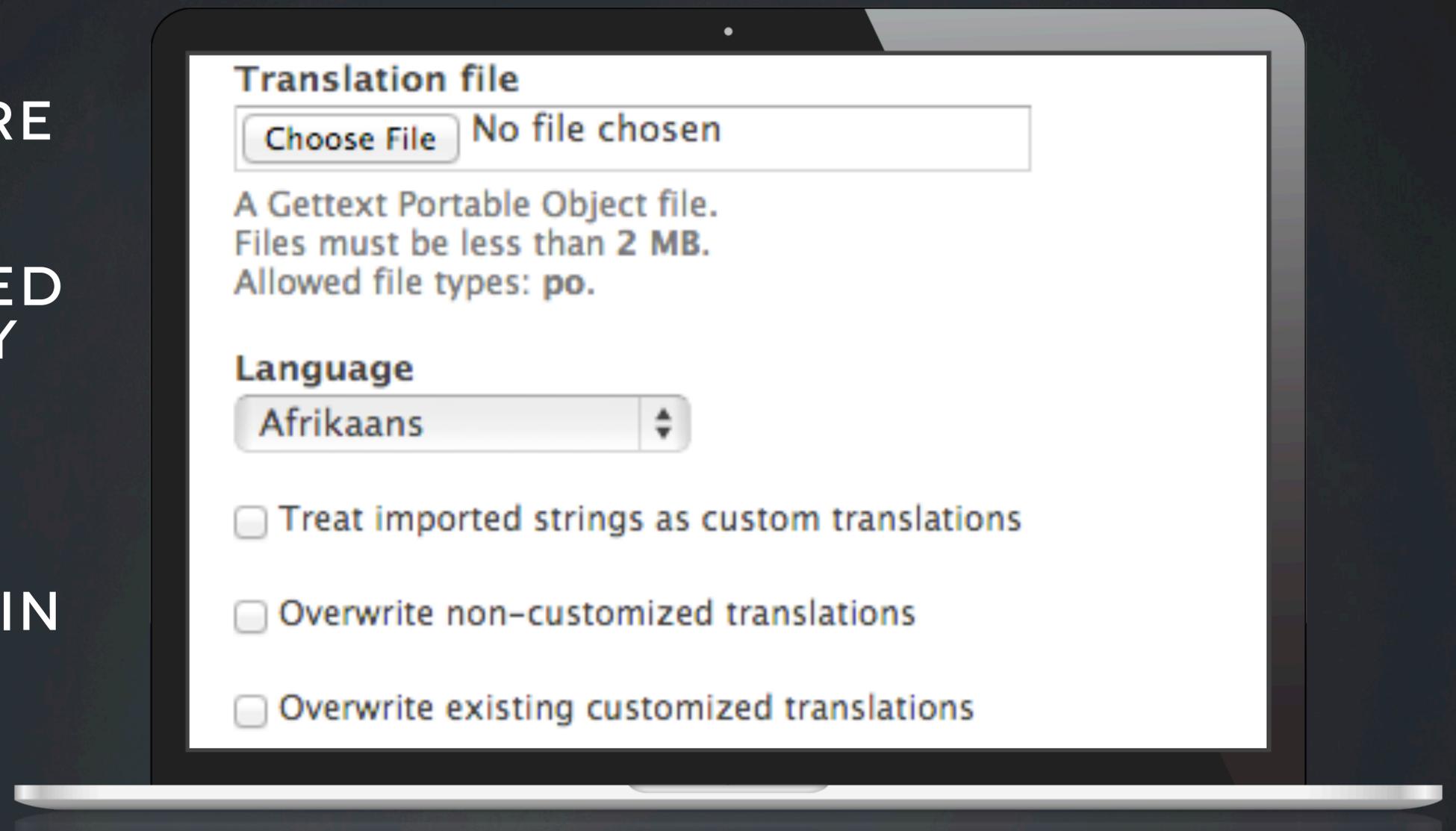


# CUSTOMIZATION TRACKING

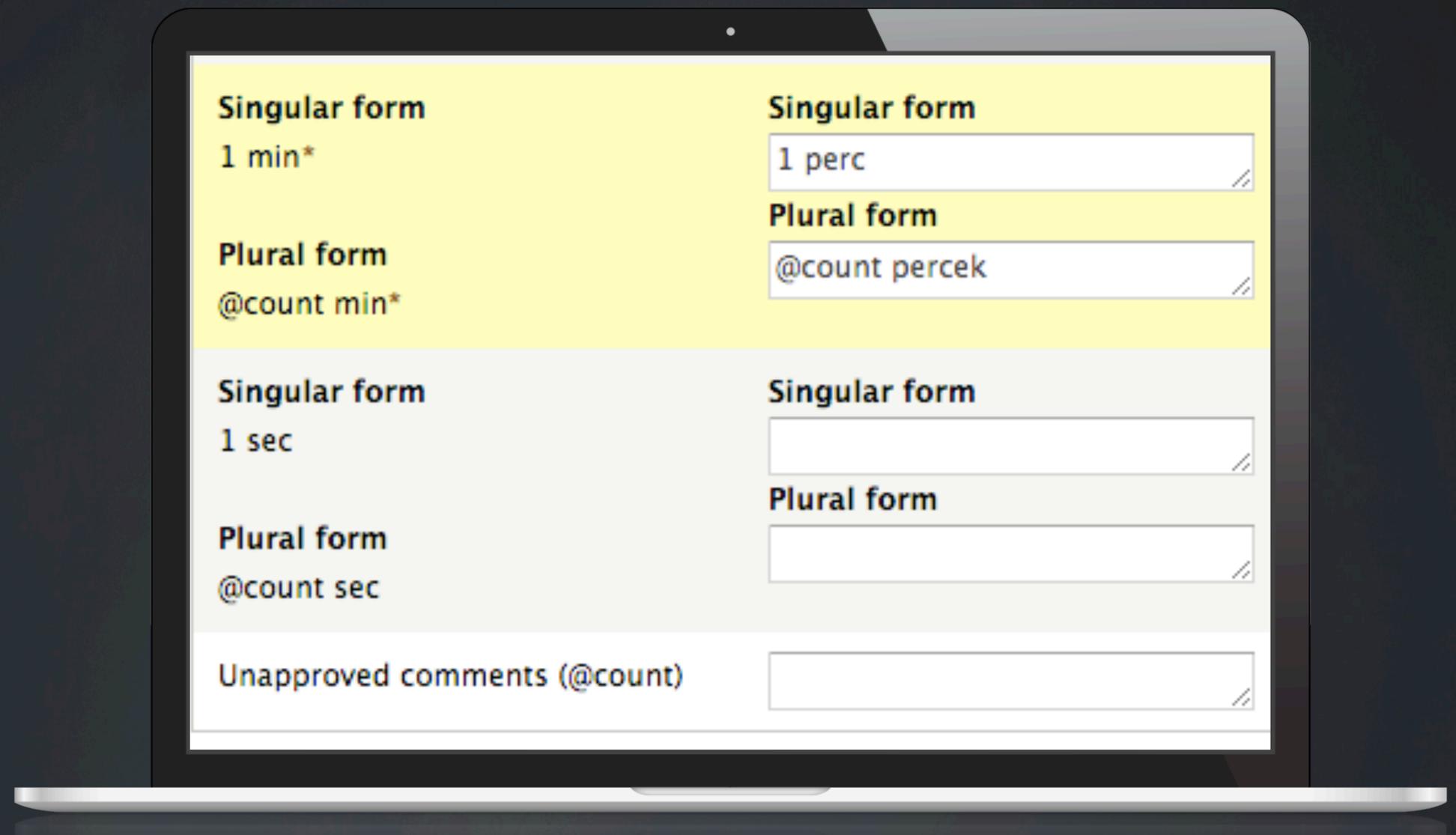
CUSTOMIZED  
TRANSLATIONS ARE  
TRACKED

MAY BE PROTECTED  
FROM COMMUNITY  
TRANSLATION  
OVERWRITES

IMPORT WILL NOT  
TIME OUT, READS IN  
PIECES



# WHOLE NEW INTERFACE



# WHOLE NEW INTERFACE

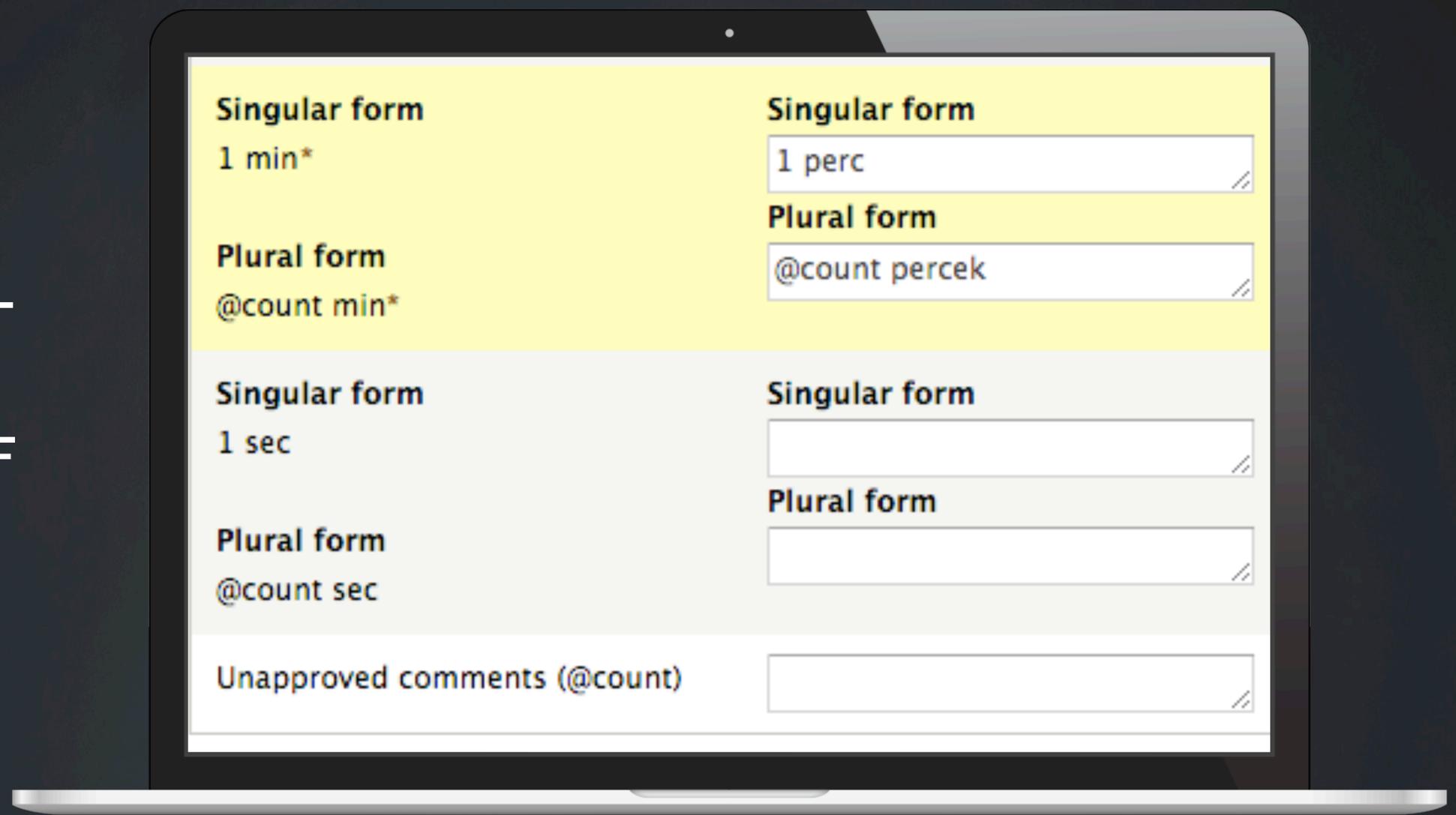
“IN-PLACE”  
TRANSLATION  
TABLE

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







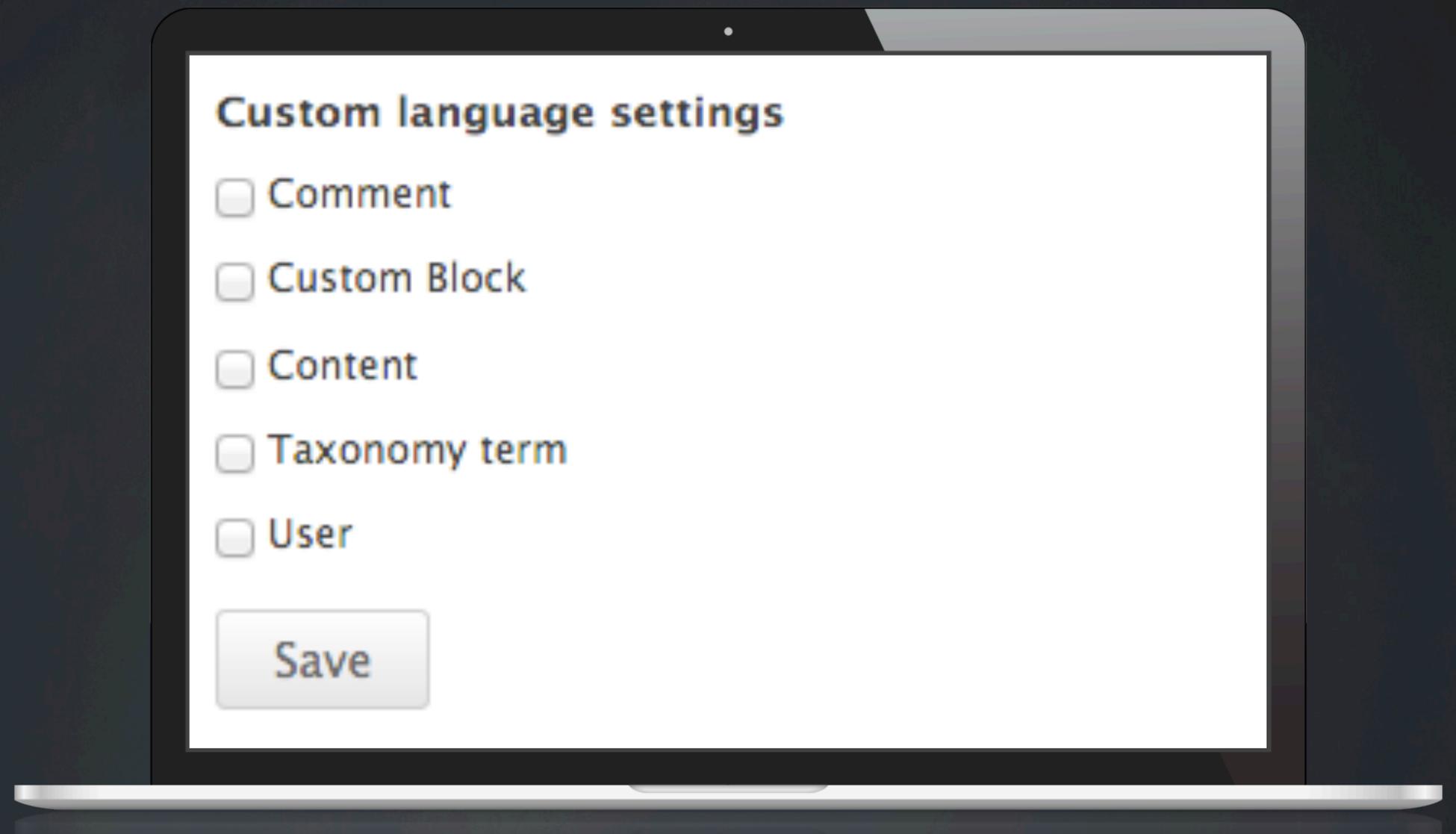
# CONTENT TRANSLATION

Field translation in built-in API for all entities. Content translation module provides user interface.



**ALL CONTENT ENTITIES\***  
**ARE SUPPORTED**

# INTEGRATED CONFIGURATION



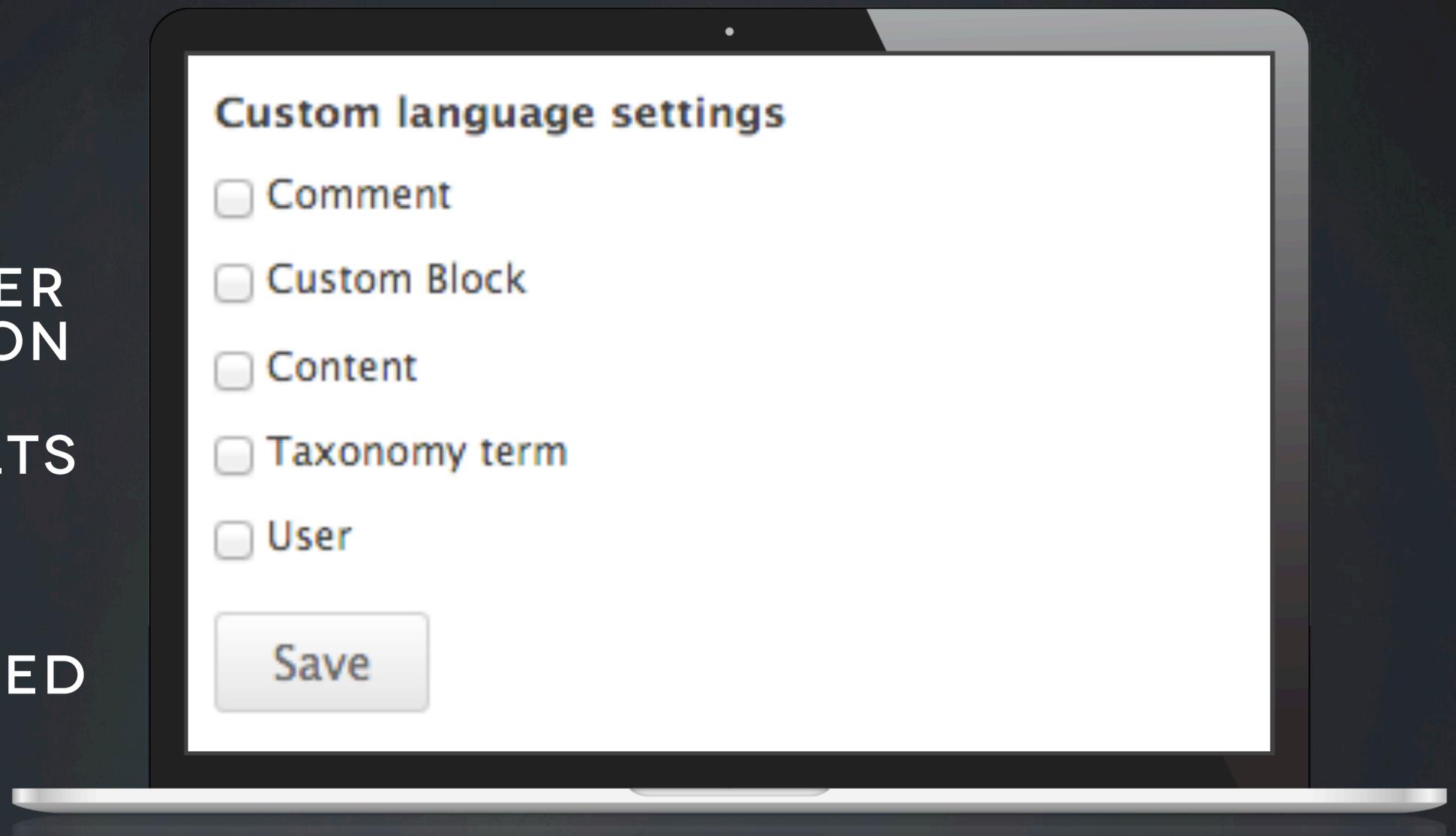
# INTEGRATED CONFIGURATION

DYNAMIC  
INTEGRATED  
CONFIGURATION

PER BUNDLE TO PER  
FIELD TRANSLATION

SENSIBLE DEFAULTS  
FOR FIELD TYPES

SUB-FIELD TYPE  
DETAILS SUPPORTED



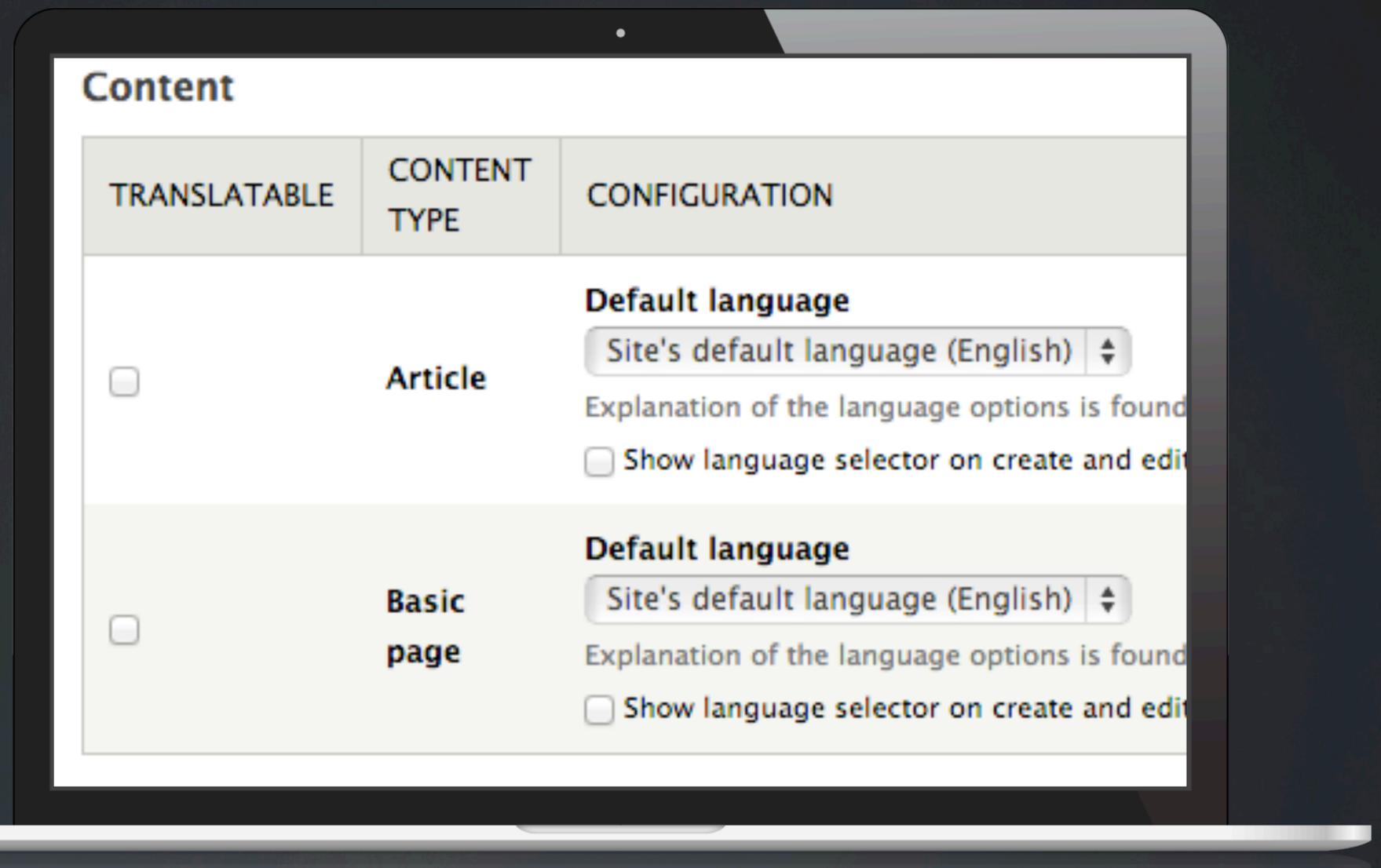
# INTEGRATED CONFIGURATION

DYNAMIC  
INTEGRATED  
CONFIGURATION

PER BUNDLE TO PER  
FIELD TRANSLATION

SENSIBLE DEFAULTS  
FOR FIELD TYPES

SUB-FIELD TYPE  
DETAILS SUPPORTED



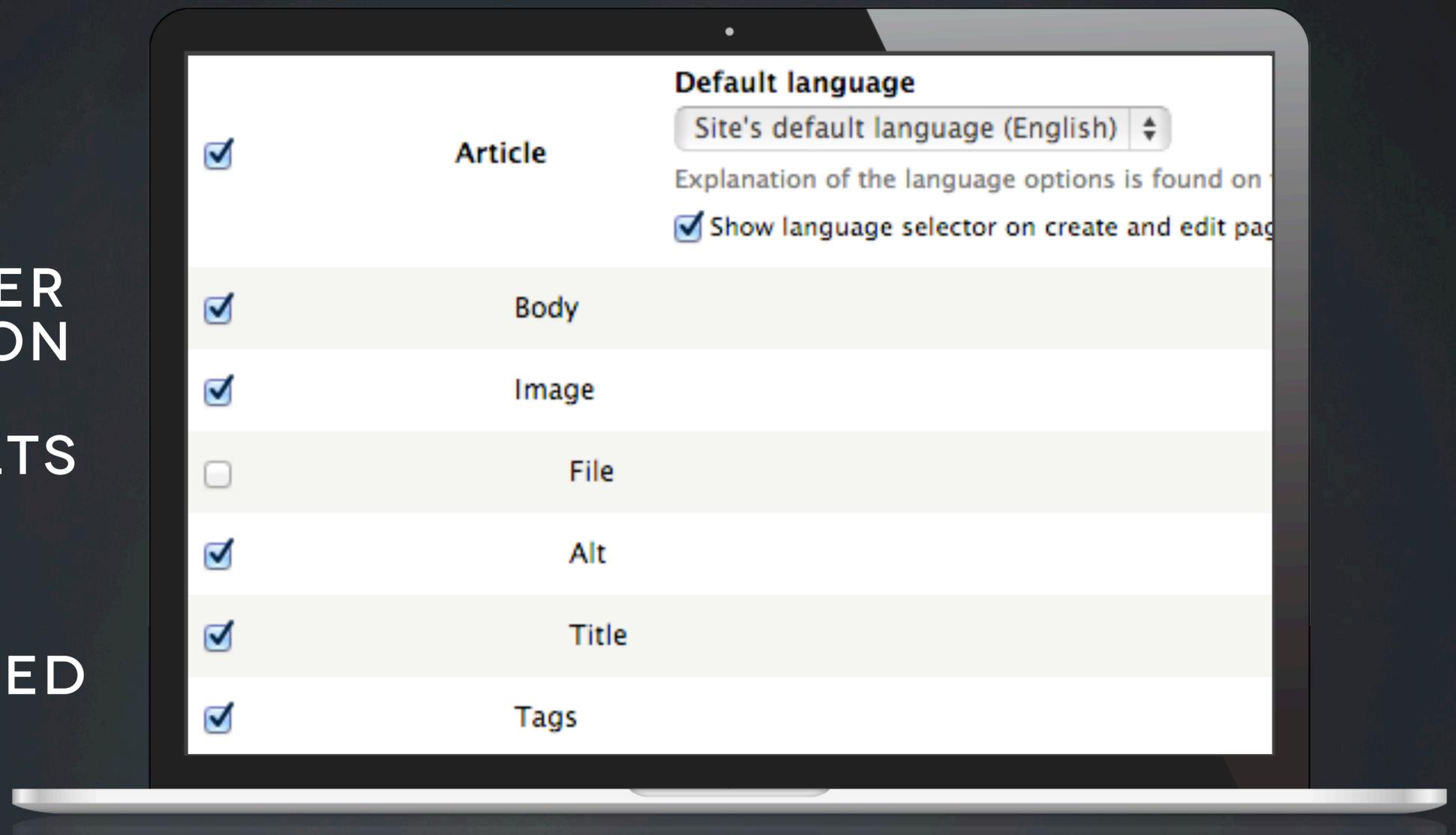
# INTEGRATED CONFIGURATION

DYNAMIC  
INTEGRATED  
CONFIGURATION

PER BUNDLE TO PER  
FIELD TRANSLATION

SENSIBLE DEFAULTS  
FOR FIELD TYPES

SUB-FIELD TYPE  
DETAILS SUPPORTED



# TRANSLATION INTERFACE



# TRANSLATION INTERFACE

TRANSLATION TABS  
ON CONTENT

ADD TRANSLATIONS  
FOR EACH  
LANGUAGE

POSSIBLE TO TAKE  
DIFFERENT SOURCE  
LANGUAGE

CAN EDIT “ALL  
LANGUAGE”  
VALUES WITH  
PERMISSION



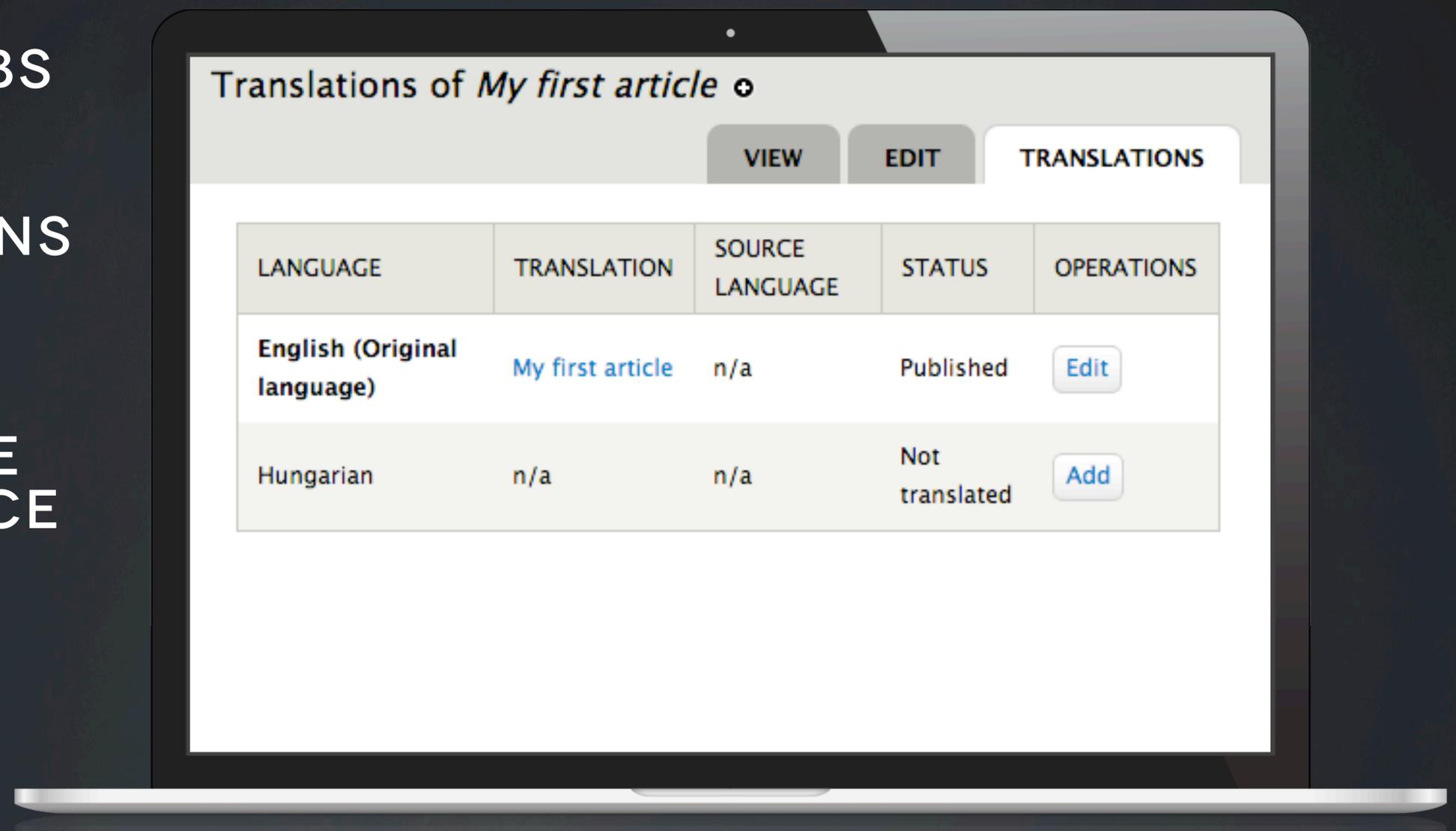
# TRANSLATION INTERFACE

TRANSLATION TABS  
ON CONTENT

ADD TRANSLATIONS  
FOR EACH  
LANGUAGE

POSSIBLE TO TAKE  
DIFFERENT SOURCE  
LANGUAGE

CAN EDIT “ALL  
LANGUAGE”  
VALUES WITH  
PERMISSION



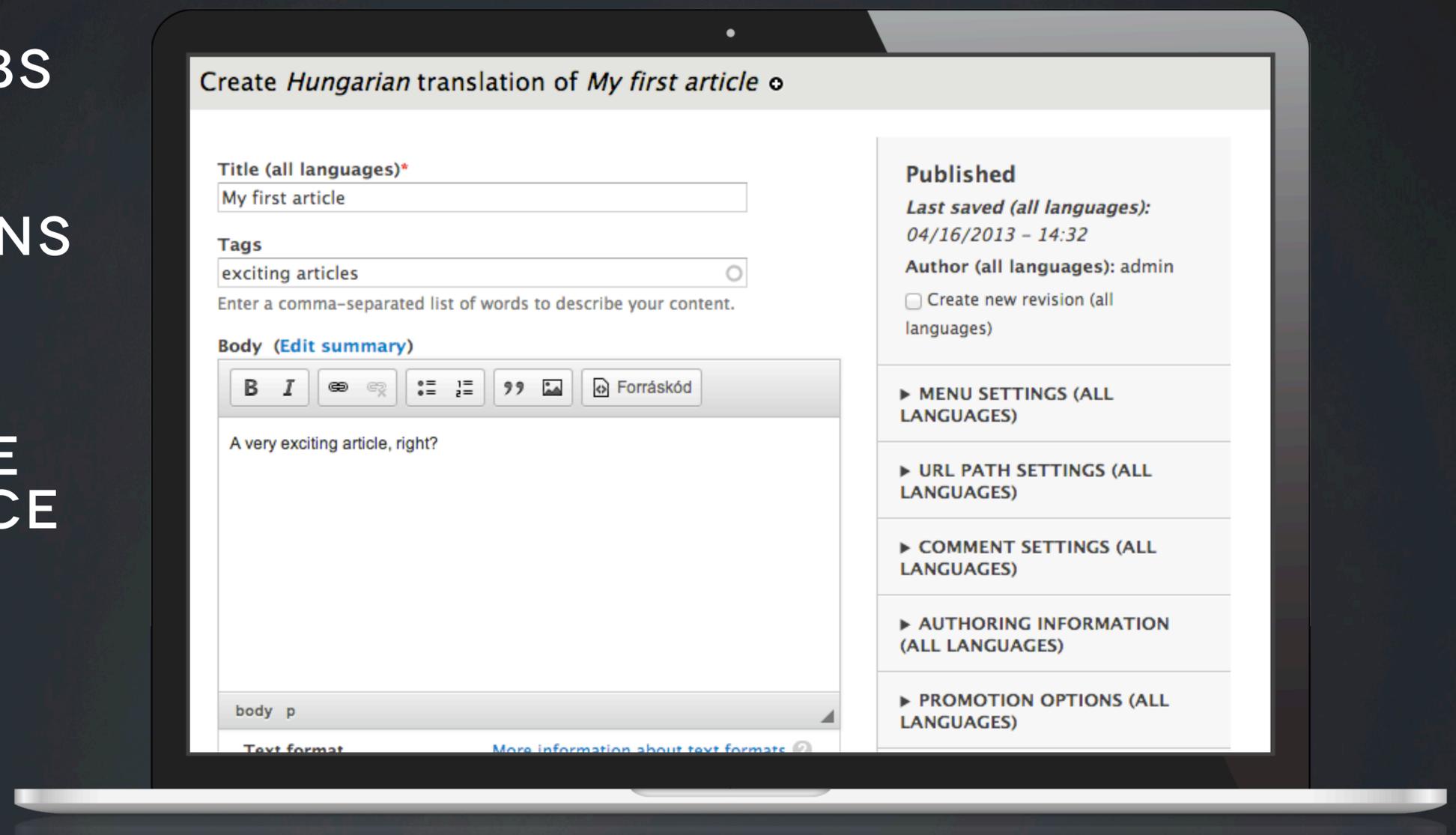
# TRANSLATION INTERFACE

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 APIS UPDATED**  
**FOR ALL CONTENT ENTITIES**  
**PER BUNDLE + FIELD + SUB-FIELD**  
**⚡ PROPERTIES**  
**⚡ MIGRATION**







IV

# CONFIG TRANSLATION

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



# CONFIG VS. CONTENT

# CONFIG VS. CONTENT

**ENTITIES**

# CONFIG VS. CONTENT

## ENTITIES

### CONTENT

NODES

USERS

COMMENTS

TERMS

CONTACT  
MESSAGES

MENU  
ITEMS

# CONFIG VS. CONTENT

## ENTITIES

### CONTENT

NODES

USERS

COMMENTS

TERMS

CONTACT  
MESSAGES

MENU  
ITEMS

### CONFIGURATION

VIEWS

VOCABULARIES

CONTACT  
CATEGORIES

FIELDS

SITE  
INFO

USER  
MAILS

# CONFIG VS. CONTENT

## ENTITIES

### CONTENT

NODES

USERS

COMMENTS

TERMS

CONTACT  
MESSAGES

MENU  
ITEMS

### CONFIGURATION

VIEWS

VOCABULARIES

CONTACT  
CATEGORIES

FIELDS

MENUS

SITE  
INFO

USER  
MAILS

OTHERS

PATH  
ALIASES

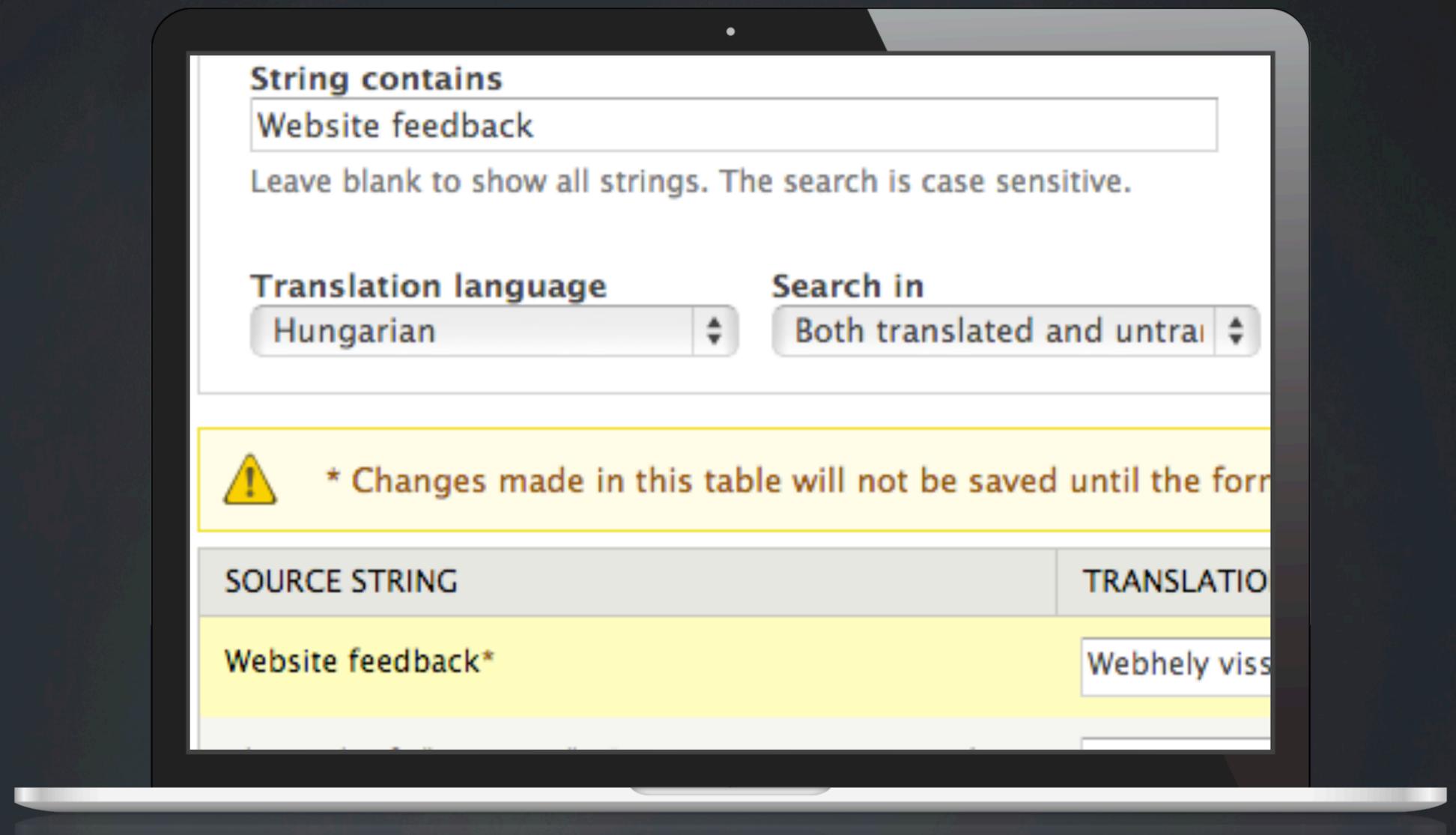
**LANGUAGE TRACKED**  
**ON EACH CONFIG FILE**

**SHIPPED CONFIG**  
**IS IN ENGLISH**

**CONFIG SUPPORTS**  
**RUNTIME OVERRIDES**

**CONFIG INCLUDES**  
**SCHEMA SUPPORT**

# FOR SHIPPED CONFIGURATION

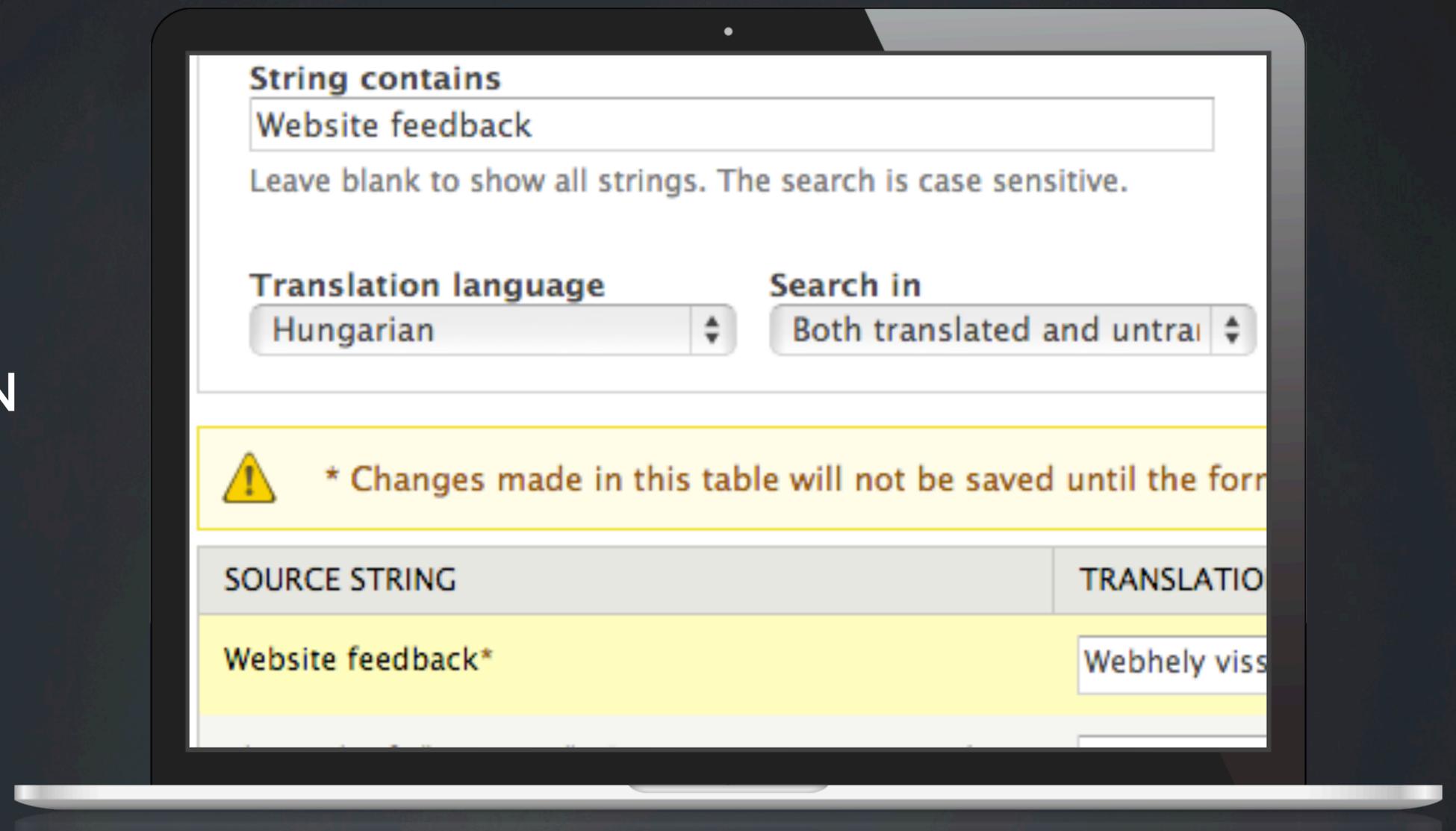


# FOR SHIPPED CONFIGURATION

TRANSLATABLE  
CONFIGURATION  
FOUND USING  
SCHEMA

MADE AVAILABLE  
FOR TRANSLATION

SAVED BACK TO  
CONFIGURATION  
OVERRIDES

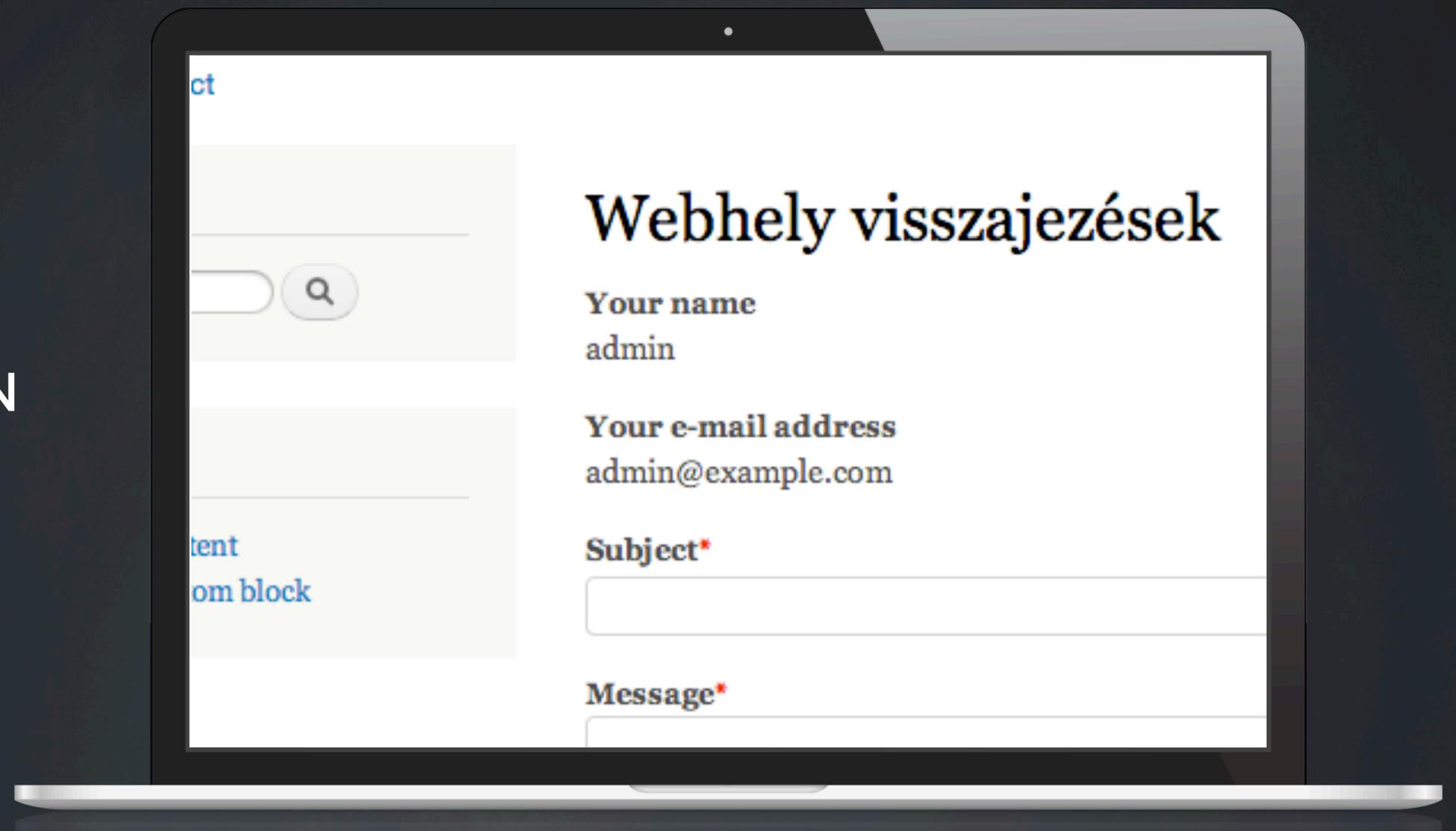


# FOR SHIPPED CONFIGURATION

TRANSLATABLE  
CONFIGURATION  
FOUND USING  
SCHEMA

MADE AVAILABLE  
FOR TRANSLATION

SAVED BACK TO  
CONFIGURATION  
OVERRIDES





**ONLY FOR SHIPPED  
CONFIGURATION**

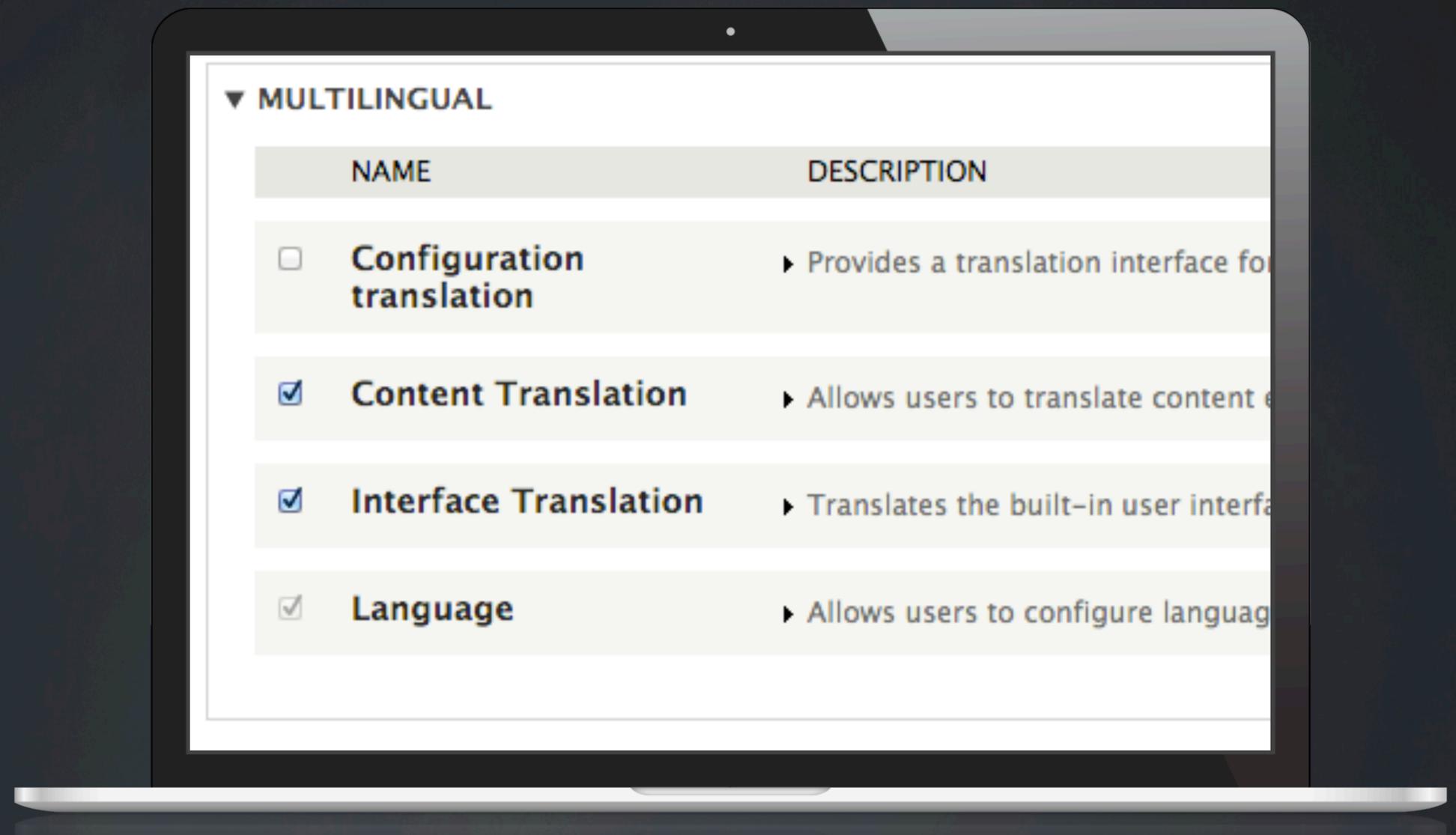


LOCALIZE.D.O

INTEGRATION TODO

**CONTRIB MODULE**  
**ADDS TRANSLATION UI**

# FOR ANY CONFIGURATION

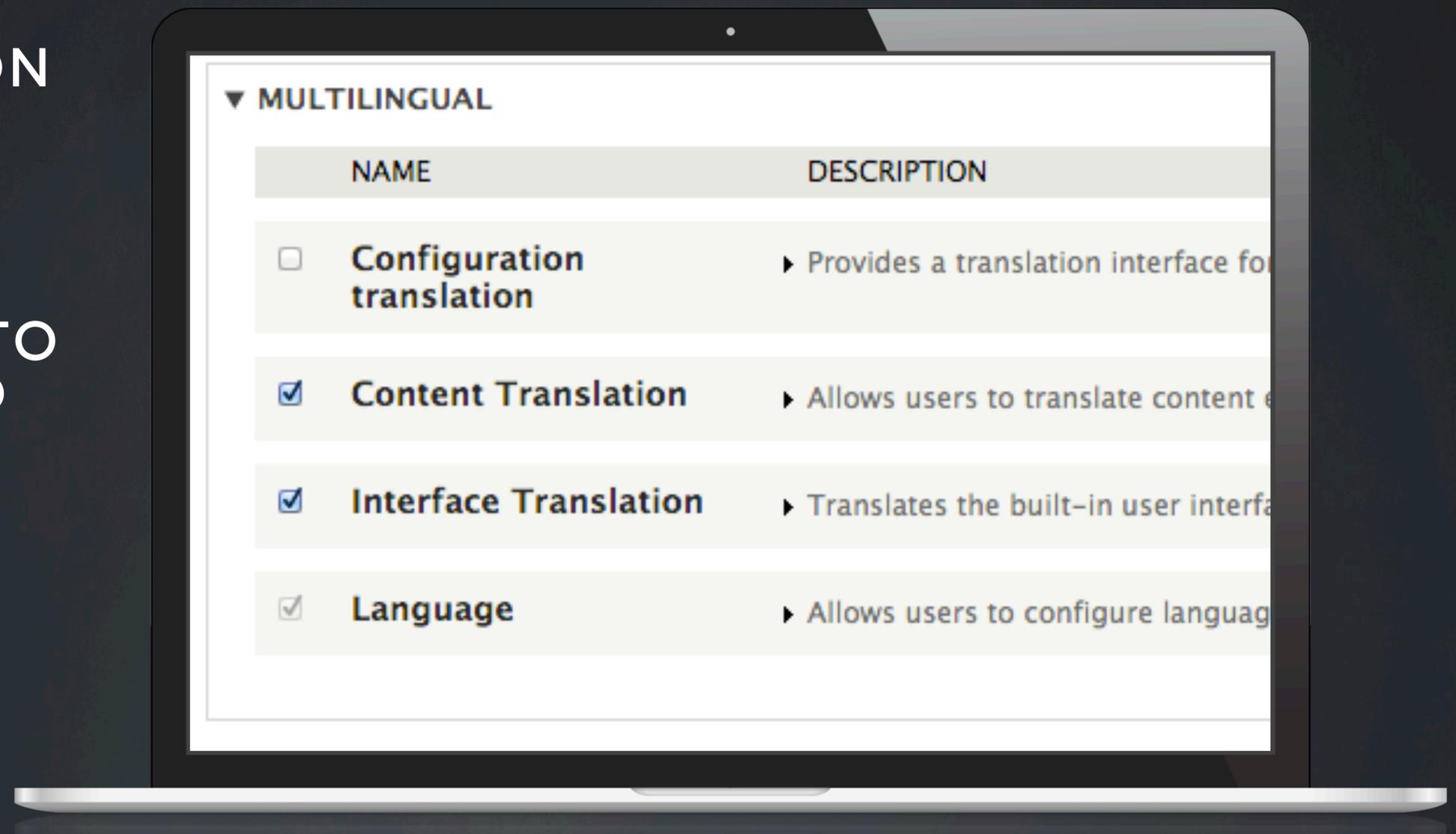


# FOR ANY CONFIGURATION

PUTS TRANSLATION  
TABS ON  
CONFIGURATION  
PAGES

CAN TRANSLATE TO  
ANY CONFIGURED  
LANGUAGE

PROPOSED FOR  
CORE, MAY BE  
POSSIBLE

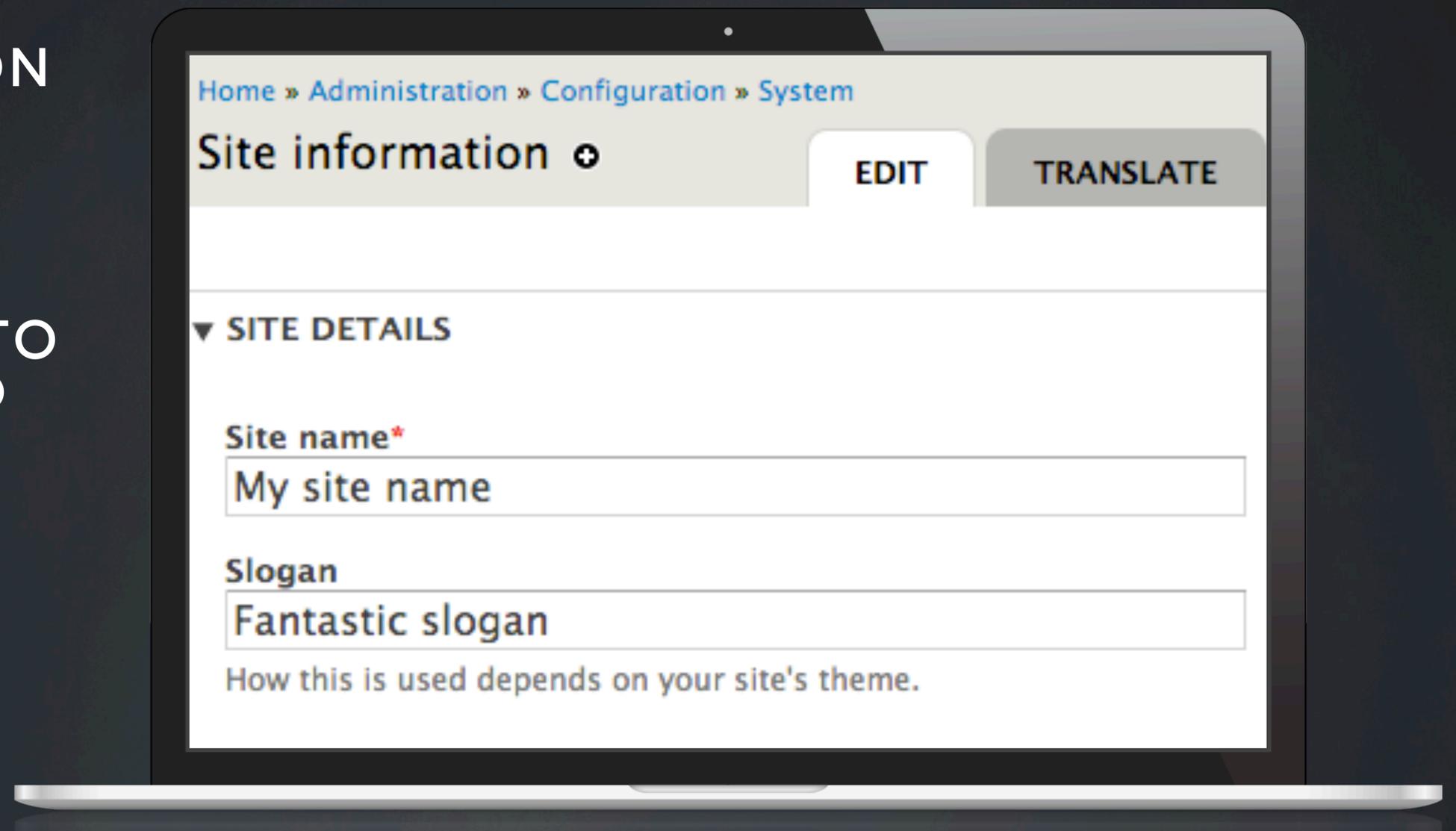


# FOR ANY CONFIGURATION

PUTS TRANSLATION  
TABS ON  
CONFIGURATION  
PAGES

CAN TRANSLATE TO  
ANY CONFIGURED  
LANGUAGE

PROPOSED FOR  
CORE, MAY BE  
POSSIBLE

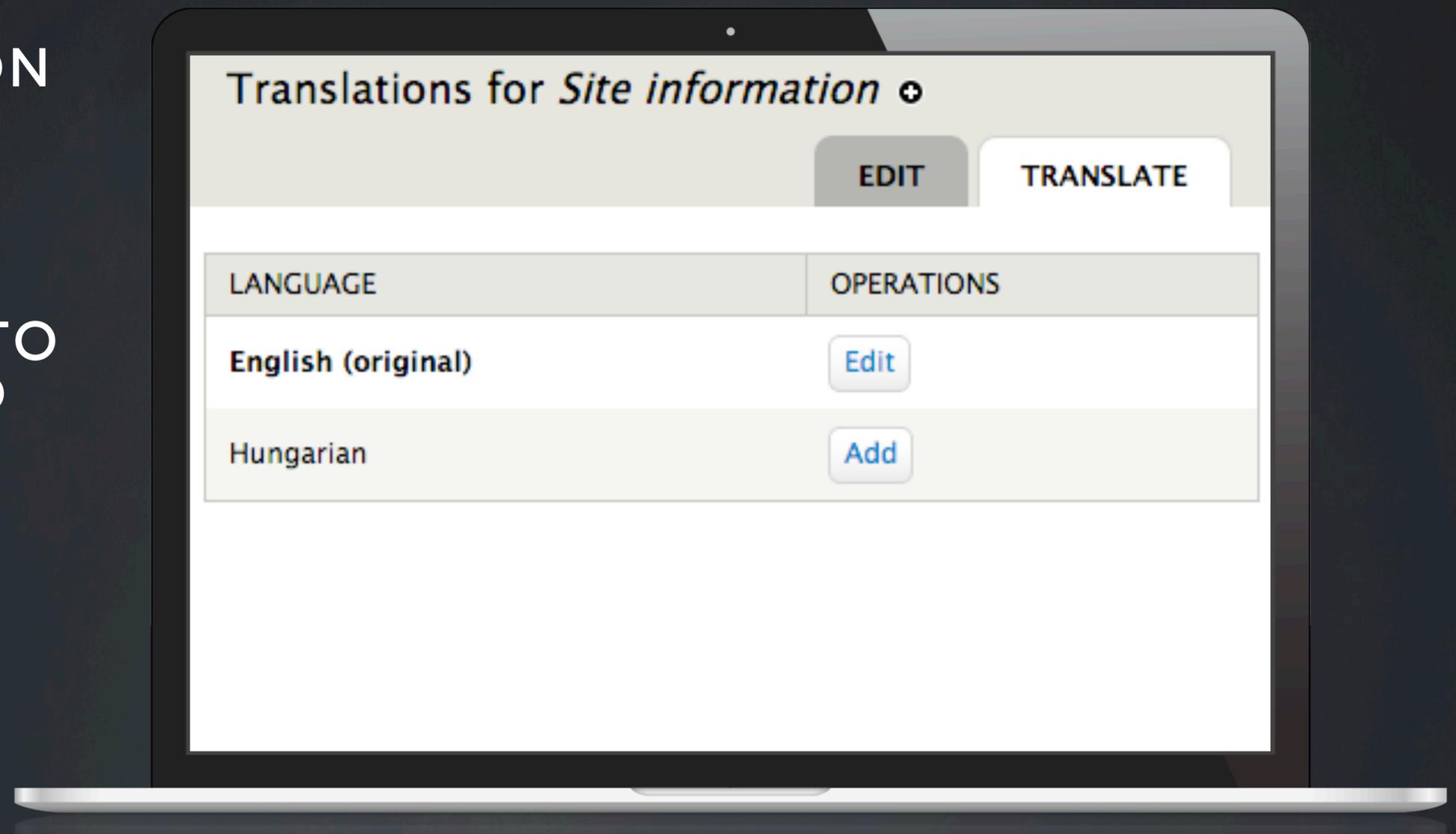


# FOR ANY CONFIGURATION

PUTS TRANSLATION  
TABS ON  
CONFIGURATION  
PAGES

CAN TRANSLATE TO  
ANY CONFIGURED  
LANGUAGE

PROPOSED FOR  
CORE, MAY BE  
POSSIBLE

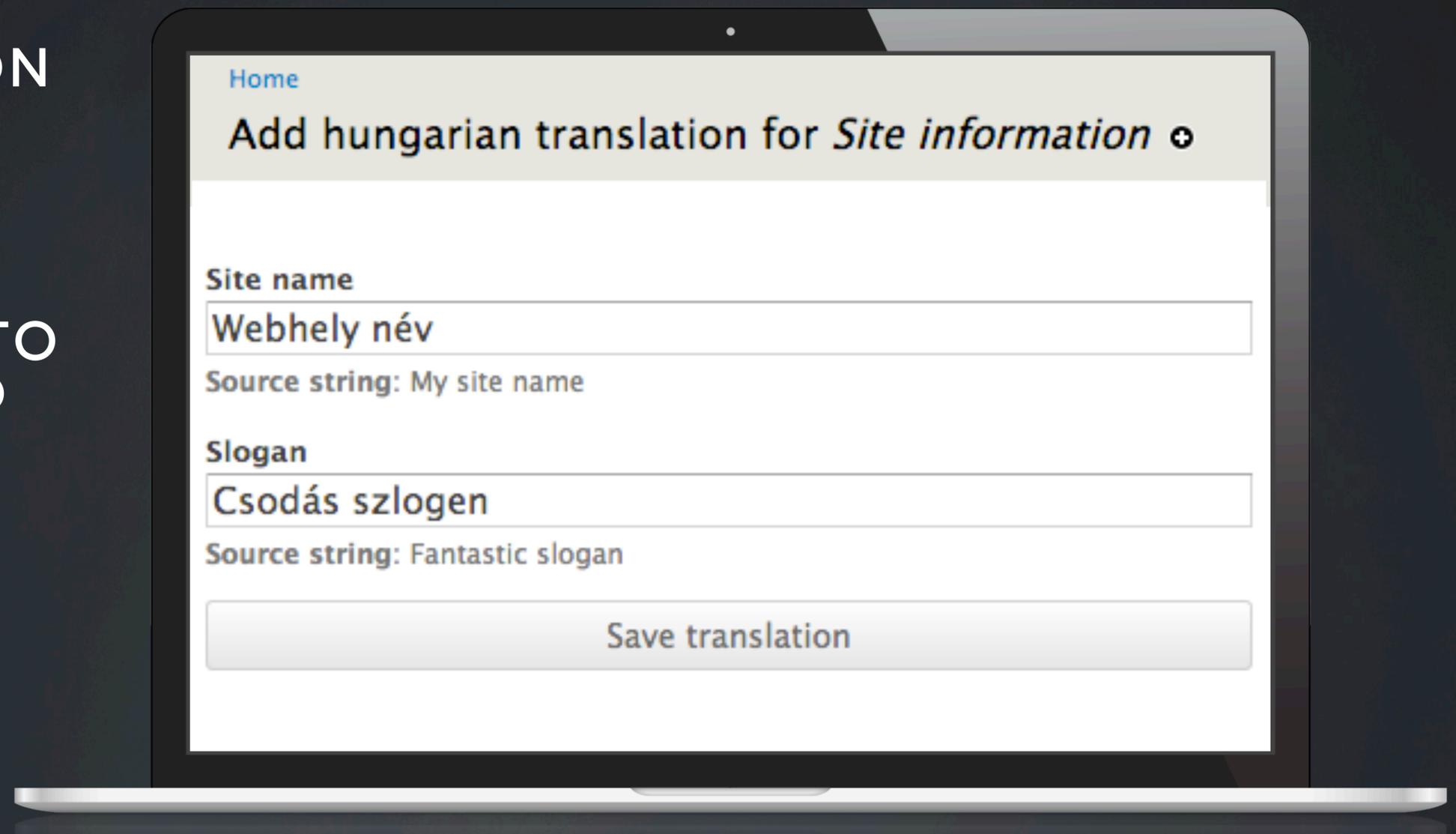


# FOR ANY CONFIGURATION

PUTS TRANSLATION  
TABS ON  
CONFIGURATION  
PAGES

CAN TRANSLATE TO  
ANY CONFIGURED  
LANGUAGE

PROPOSED FOR  
CORE, MAY BE  
POSSIBLE

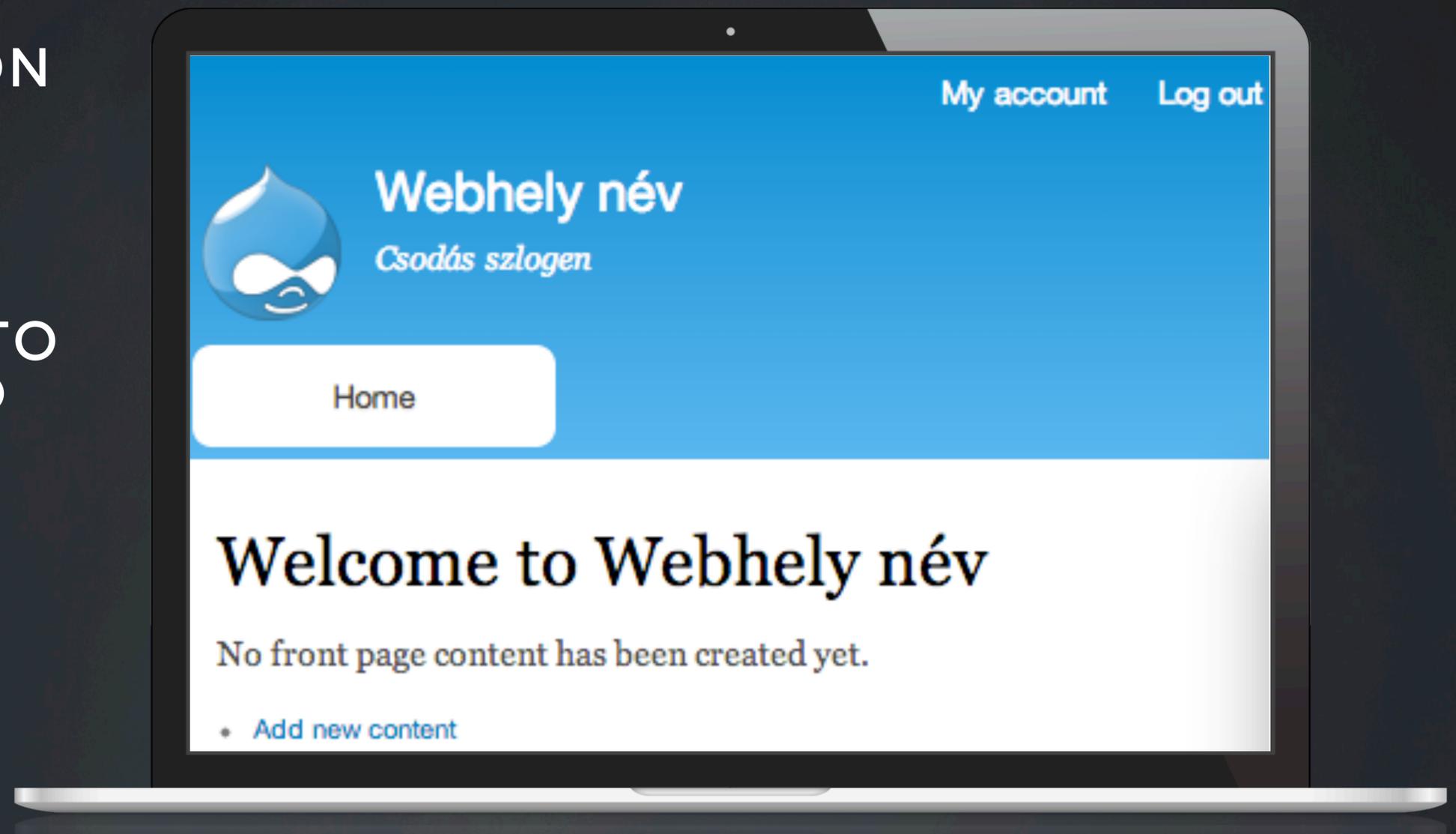


# FOR ANY CONFIGURATION

PUTS TRANSLATION  
TABS ON  
CONFIGURATION  
PAGES

CAN TRANSLATE TO  
ANY CONFIGURED  
LANGUAGE

PROPOSED FOR  
CORE, MAY BE  
POSSIBLE





**CHANGE**  
**MANAGEMENT TODO**



**USER INTERFACE**  
**STILL TRICKY**



FULL INTERFACE IN CONTRIB  
STANDARD TRANSLATION TABS

SCHEMA SYSTEM

CONFIG OVERRIDES

WORKS FOR ANY CONFIG

CORE UI FOR SHIPPED ONLY

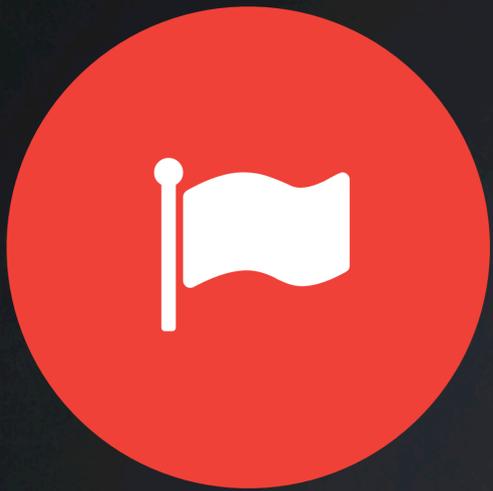
⚡ CHANGE MANAGEMENT

⚡ UI TRICKY



# FOUR PILLARS IN DRUPAL 8

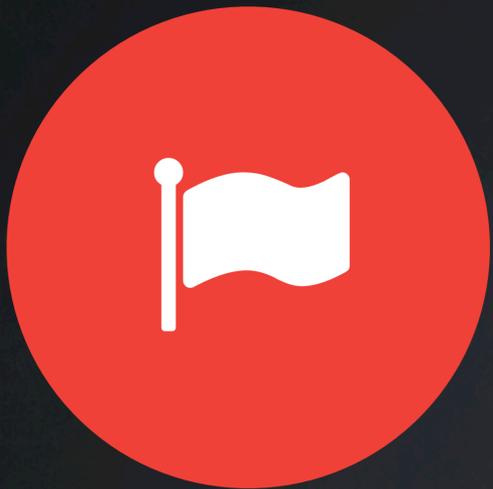
# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

Base services for all modules dealing with data. Not just multilingual.

# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

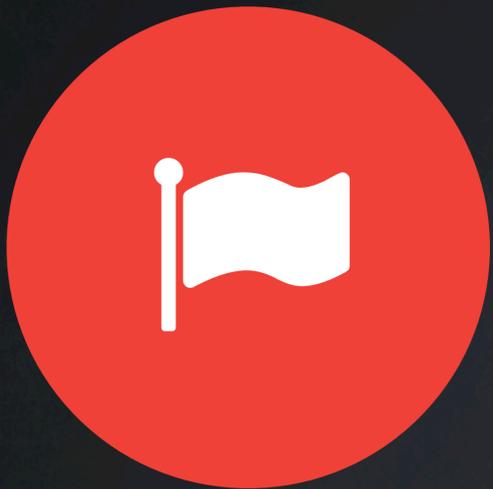
Base services for all modules dealing with data. Not just multilingual.



## INTERFACE

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

# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

Base services for all modules dealing with data. Not just multilingual.



## INTERFACE

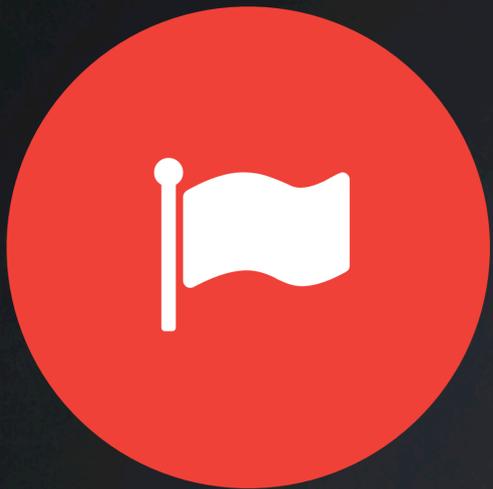
Interface translation has built-in update feature, improved usability.



## CONTENT

Field translation in built-in API for all entities. Content translation module provides user interface.

# FOUR PILLARS IN DRUPAL 8



## LANGUAGE

Base services for all modules dealing with data. Not just multilingual.



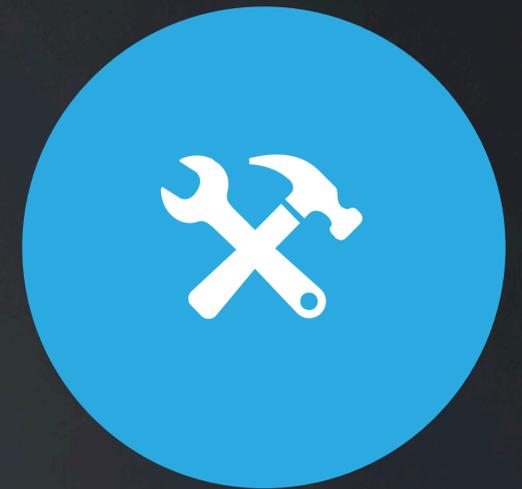
## INTERFACE

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



## CONTENT

Field translation in built-in API for all entities. Content translation module provides user interface.



## CONFIG

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

**GET INVOLVED**

# GET INVOLVED



## WEBSITE

[drupal8multilingual.org](http://drupal8multilingual.org) / [localize.drupal.org](http://localize.drupal.org)



## TWITTER

[twitter.com/d8mi](https://twitter.com/d8mi)



## SPRINT IN PORTLAND

[groups.drupal.org/node/281033](https://groups.drupal.org/node/281033)



## SPRINT IN DUBLIN

[dublin2013.drupaldays.org](http://dublin2013.drupaldays.org)

-enzo- 1ethylorest Sven a1russell aarnaverill aaronott Abhishek\_R\_Shah ACF achtou AdriaB agentrickard aitiba akahn akejoaha Alan D. Alan Evans alberto56 Albert Volkman alduya alexanderpas alexh58 **alexpott** Alex UA alexweber alex\_b Alice Heaton alippai **amateescu** Amitaibu amontero anarcat anavarre ancamp andremolnar Andrew Schulman Andreyy andyceo andymartha **andypost** animelion **annikaC** anrikun Antton ardas arianek aries arlinsandbulte Aron Novak aroq Artusamak arunaseva aschiwi AshishK **aspilicious** **attiks** aturetta August1914 axel.rutz **ayelet\_Cr** a\_webb babasse05 babruix balagan balintk BarisW **batigolix** beejeebus BenK bensemme **Berdir** bforchhammer bfroehle bisonbleu bjaspan Bodo Maass bojanz Bojhan Bojhan.core Boobaa bookmarvel boran Boris Mann boris sondagh boztek brantwynn brianV BrightBold BrockBoland bschusseck bsherwood c4doug c31ck c960657 cafuego caktux cam8001 Carl Johan Carsten Müller carwin casey **catch** cbiggins cburschka cha0s Charles Belov charmi chrischinchilla chrisjlee chrispomeroy Christopher Jam... **chX** cirage CKoch clashar claudinec claudiu.cristea **clemens.tolboom** colan corvus\_ch cosmicdreams Cottser Countzero cpelham craychee Crell crotown csg cshuangtw cweagans cwgordon7 Cyberwolf czigor dado Daemon\_Byte dagmar **dagmita** dags damiankloip DamienMcKenna Damien Tournoud danielnolde danillonunes DanPir **das-peter** dasjo Dave Cohen Dave Reid David Lesieur David Strauss **David\_Rothstein** **dawehner** dboulet dcam dcmistry dcmouyard dcrocks dddave Deciphered deletedaccount delmarr DeNelo denjell derEremit desbeers Devin Carlson DickJohnson disasm dixon\_ djdevin DjebbZ dman Dmitriy.trt docker dodorama dokumori donquixote douggreen dpearceMN dpi Dragan Eror drewish **Dries** drifter dropcube droplet drubage drupaljoe drupleg **dsnopex** dtarc dubcanada dudycz duellj dvinegla dww dysrama Désiré **e0ipso** e2thex earnie eaton ebeyrent EclipseGc edrupal edward\_or **effulgentsia** eigentor elcuco elfenixtorres elfur Elijah Lynn **EllaTheHarpy** emarchak eojthebrave ericduran Eric\_A ershov.andrey Everett Zufelt evolvingweb ezra-g Fabianx fabpot fabsor **fago** fakingfantastic falcon03 Fannon fastangel fgm Fidelix fietserwin FiNeX **fjd** Fleshgrinder floretan FrancescoQ Frando Frank Ralf franskuipers franz Freso fubhy fureigh fwalch gabriel.achille Gabriel Radic Gaelan gaele Garrett Albright gaspaio gaurav26570 gausarts gbentley geerlingguy Georgii Gerhard Killesreiter giorgio79 GiorgosK good\_man gpapadongonas green\_c greg.1.anderson greggles grendzy guillaumev gumanist gusgsm1 guygg guy\_schneerson Hadi Farnoud hairqls Hanno hansfn harrrrrrr hass Haza hefox hejazeer hellolindsay henribergius herom heyrockeer hinikato HnLn holtzermann17 houtbayblogger hswong3i **Hydra** IceCreamYou2 idflood ifux Ignacio Sánchez iliphil iMiksu indytechcook intuited **IshaDakota** itarato izmeez izus j.somers j0rd Jacine jackhutton jagalbraith jamesharv jamiehollern jamienotweet janusman japicoder **jaredsmith** jayboodhun Jaza jbrown jcisio Jeff Burnz Jeffrey C. Jelle\_5 jeni\_dc jenlampton jepSter jessebeach jessehs jherencia **jhodgdon** jibran JirkaRybka jlscott jmesam joachim joates Jody Lynn joewatkins JohnAlbin johnv JonMcL Jon Pugh joris.verschueren **Jose Reyero** jrglasgow jsbalsera jstoller jthorson juhovh JuliaKM julien JulienD jvieille jvns jwilson3 **K2Hook42** k4v kaakuu kalabro kalman.hosszu KarenS Kartagis katbailey kathyh kbahey kbasarab kcouch keith.smith kevee Kevin Morse kid\_icarus kika killes@www.drop.org killua99 kim.pepper kkaefer klausi klonos kompressor KrisBulman **Kristen Pol kristiaanvandeneynde** krlucas ksenzee kurt.iverson lambic langworthy lanthaler larowlan LarsKramer Lars Toomre LAsan lazysoundsystem **LeeHunter** leenwebb leschekfm Liam McDermott Liam Morland **likin** lilou linclark liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth LoMo lonelyrobot longwave lotyrin LoveCharge LPCA lslinnet lsmith77 Lukas von Blarer lund.mikkel lvbeck maciej.zgadza Mac\_Weber magico manningpete MantasK marcel66 marcingy marcushenningsen marcusx marcvangend marfillaster Mark Carver markus\_petrux martin\_q maryedith matason matt2000 mattyoung Maune mavimo maxchock maximn maxterner23 maxtorete mbyrnes MegaChriz merlinofchaos mermenggc mesr01 mfb mgifford MHLut MichaelCole michaelmol Michelle micnap mikeryan mikewink mikl minff mioan Mirabuck mirocow miro\_dietiker mitchell mitron **mjohnq3** mjlortitzky mjreich mlecha mlehner616 mlncn moe4715 mondrake mortendk moshe weitzman mpg mr.baileys mr.york **mradcliffe** **mrP** mrsinguyen msonnabaum mtomaizy mustafau mvc my-family n3or nadavoid nagwani NancyDru naught101 nbz neclimdul nedjo neochief nerdstein nevergone nevets nicholosophy Nick Lewis **nick\_schuch** Nick\_vh nicxvan nikhilasarani nikkubhai Niklas Fiekas nkschaefer nod\_ nonsie NotNotCow no\_angel no\_commit\_credit no\_longer\_active\_13 nyleve101 omar omercioglu OnkelTem oresh oriol\_e9g Owen Barton pameeela **Pancho** parasite **ParisLiakos** Pasquale patrickd paularmand pdrake Pedro Lozano **penyaskito** perusio peterx peximo pfrenszen philbar pillarsdotnet Pinolo pixelite pixelwhip pkiraly **plach** Plascual plopecs podarok Pol pounard pp PrabhuG psynaptic pwolanin qgil quicksketch **quietone** rachellawson rachit\_gupta rahuldolas123 rameshbabu.g Ranko rasskull rbayliss rdickert redndahead reglogge renat rfay ricardoamaro rickmanelius rickvug rkjha rli rlmumford robertgarrigos Roberto Gerola Robin Monks RobLoach RobW rocket\_nova roderik ronald\_istos rooby rteijeiro rudiedirx ruvl rvilar rwt ry5n ryanissamson Ryan Weal salvis sandipmkhairnar sandykadam savithac Sbarsody **Schnitzel** scor SeanBannister SebCorbin Sephi77 sethiele seutje sfyn Shai **shanethehat** Shellingfox shenzhuxi shuklasp Shyamala sidharthap silverdog silverwing simolokid Simon Georges sinasalek sir\_squall skwashd slowflyer smiletrl **smithworx** smokris snufkin Soul88 sourcesoft spacereactor spearhead93 sreynen Stalski starchild Stefan Nagtegaal steinmb stella Steven Jones stevepurkiss stpaultim **SUN** sun.core surgeonbor **Sutharsan** svendecabooter svenryen Sweetchuck swentel sxnc Sylvain Lecoy sylvain\_a **tammo1** tarmstrong tatarbj te-brian **thamas** thedavidmeister thePanz theunraveler **the\_phi** Thomas\_Zahreddin tim-e **tim.plunkett** timmillwood timofey tinker tkoleary tcloudon tobiasb toemaz tomsm Tor Arne Thune torpy TR Transition TravisCarden **tsi** **tstoeckler** tsvenson twistor TwoD twomasc typhonius Ujin underq vaartio valokettu valthebald Vapes Vasi1186 **vijaycs85** Vikas Negi VladSavitsky voxpelli vvasamit2007 walkah weakqueen99 **webchick** webflo webkenny wikidkaka WilliamB Wim Leers wmostrey wojtha woody WormFood wrg20 wusel xaav Xano xecstasyx Xjm xmacinfo xpound xslim yang\_yi\_cn yannisc yched **YesCT** ygerasimov yhager yohannbzh yoroy ytsurk yurtboy z.stolar ZenDoodles zerodeux zetagraph zirvap zkday znerol Zoltán Balogh zroger zserno

# 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



Midwest Developer Summit

Photo: xjm

<http://portland2013.drupal.org/program/sprints>



— DRUPALCON —

*Portland*

MAY 20-24 2013

**What did you think?**

**Evaluate this session at:  
[portland2013.drupal.org/schedule](http://portland2013.drupal.org/schedule).**

**Thank you!**