



DRUPALCAMP GHENT
2016

GROW SOME IDEAS

DRUPAL 8'S MULTILINGUAL APIS: BUILDING FOR THE ENTIRE WORLD

Christian López Espínola - Lingotek



A historical world map with a grid of latitude and longitude lines. The map is surrounded by decorative vignettes in circular frames, depicting various scenes and figures. The title at the top reads "NOVA TOTIUS TERRARUM ORBIS GEOGRAPHICA AC HYDROGRAPHICA TABULA". The word "AMERICA" is prominently displayed in a decorative frame over the North American continent. The map is rendered in a dark, monochromatic style.

DRUPAL 8'S MULTILINGUAL APIS: BUILDING FOR THE ENTIRE WORLD



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2016

GROW SOME IDEAS

DRUPAL 8 MULTILINGUAL (setup, tips and tricks) for a good user experience

Tom Robert
Room Calibrate
17:10 - 17:40



PENYASKITO

Christian López Espínola

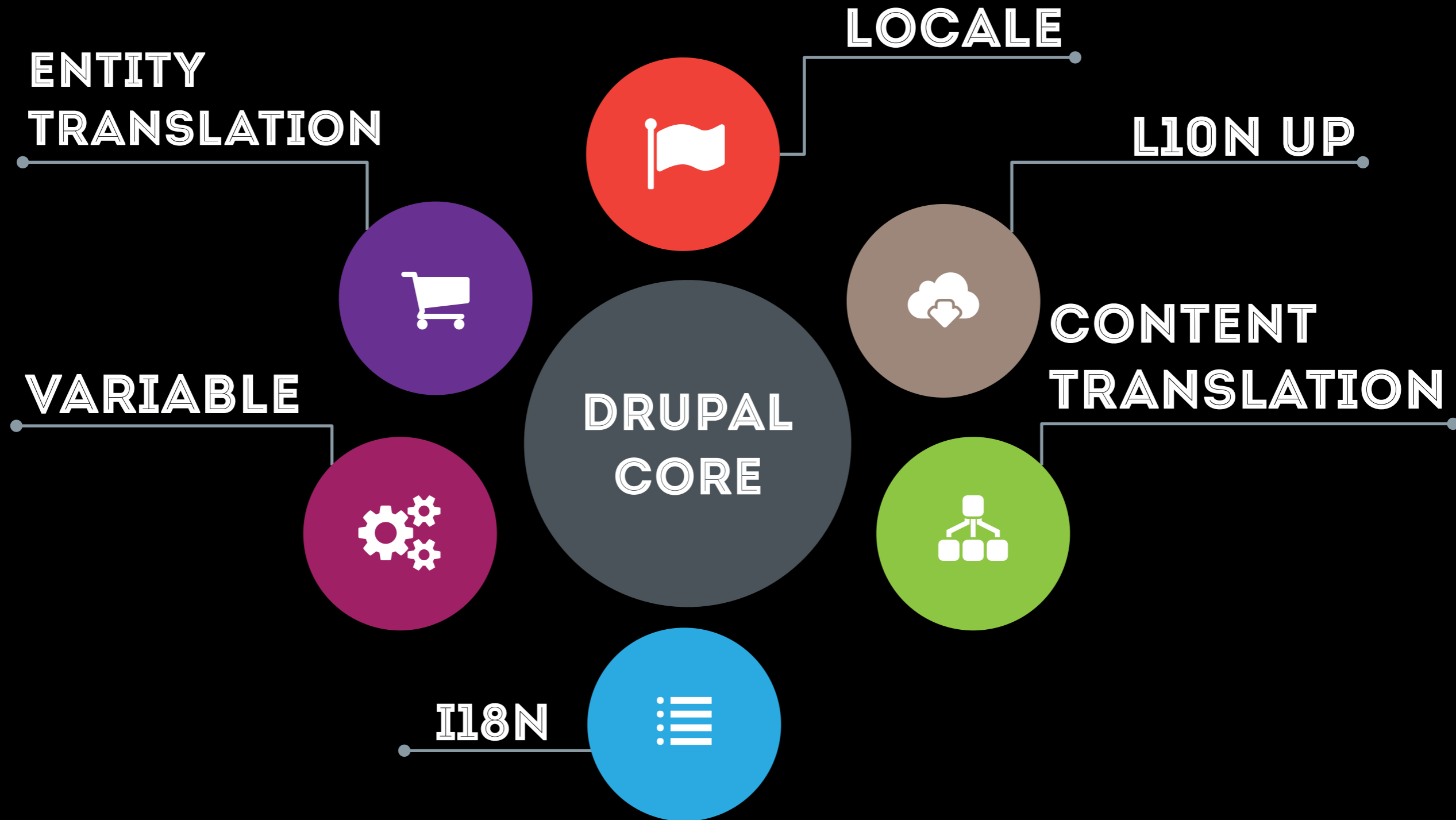
Drupal 8 Multilingual
Initiative contributor



-enzo- 1ethylorest 5ven 12345678912345678 a.ross a1russell aaronaverill aaronott ACF achton aacrollet adam7 Adam Clarey adci_contributor AdrianB afeijo agentrickard agrozyme Aimee Degnan ainigma32 aitiba ajeverson AjitS akahn akejoha akoe akozma akshay.swnt22 Alan D. Alan Evans alansaviolobo alarcombe alberto56 Albert Volkman alduya alerque alexanderpas alexh58 alexkb **alexpott** Alex UA alexweber alex_b Alice Heaton alimac alippai almaudoh aloyr Alumei alvar0hurtad0 alweb amateescu ameenkhan07 amitaibu amitgoyal amontero amourow anarcas anavarre ancamp andrei.dincu andrejsmuzikovs andremolnar Andrew Schulman andyceo andymartha **andypost** andythomnz aneek ankitgarg annikaC anrikun Antti J. Salminen Anushka-mp Anybody ardas areke ariane aries arkestra arlinsandbulte Aron Novak aroq arpitr ars- Arskiainen artem.ua Artusamak arunaseva asb aschiwi AshishK-dupe ashutoshsngh ashwinikumar askibinski aspilicious **attiks** attila.fekete aturetta August1914 Aunion axe312 axel.rutz ayelet_Cr a_thakur a_webb b0unty babasse05 babruix badrange balagan balintcsaba balintk BalrajB bannorb banviktor BarisW barraponto basvanderveen batigolix bbinkovitz bechtold **beejeebus** bendev benjf benjifisher benjy BenK bensemme **Berdir** beretta627 BeyersdorferTJ bforchhammer bfroehle biro.botond bisonbleu bjaspan blackdog bleen18 blueminds BMDan Bodo Maass bojanz Bojhan Bojhan.core Boobaa bookmarvel boran borisbaldinger boris sondagh **borisson_** botanic_spark bowersox boztek **brandon.holtsclaw** brantwynn brianV BrightBold BrockBoland bryancasler bserem bshaffer bsherwood Buratino42 bwinett Bès c-c-m c4doug c31ck c960657 CaDyMaN caktux calliandra cam8001 Carl Johan carsonevans Carsten Müller carwin casey **catch** cbiggins cburschka ceardach cesarmiquel cha0s chakrapani Charles Belov charmi cheops90 chr.fritsch chrisbloomfield chrischinchilla Chris Dart chrishks chrisjee Chris Luckhardt chrispomeroxy ChristianAdamski Christopher James Francis Rodgers **chx cilefen** cirage cjoy CKoch clashar claudinec Claudis claudiu.cristea clemens.tolboom CMS Dude codemonkie codexmas Cogax colan colbol cordoval corvus_ch cosmicdreams Cottser Countzero cpelham cpj craychee **Crell** crispiatico crotown crowdcg csakiistvan csc4 csg cshuangtw cspitzlay cs_shadow cweagans cwells cwgordon7 Cyberschorsch Cyberwolf Cyclodex czigor dado Daemon_Byte daffie dagmar dagmita dags damiankloip DamienMcKenna Damien Tournoud danielnolde Daniel_Rose danigrll danillonunes DanPir danylevskyi das-peter **dasjo** dasrecht Dave.Ingram Dave Cohen Dave Reid david.lukac davidhernandez David Hernández David Latapie David Lesieur David Strauss david_garcia David_Rothstein **dawehner** dboulet dcam dclavain dcmistry dcmouyard dcrocks dddave **deepakaryan1988** delmarr DeNelo denjell derek.deraps derEremit dermario desbeers develCuy deveshpal Devin Carlson devuo Dhorkiy DickJohnson diego21 dileepmaurya dimaro dinarcon diqidoq disasm dixon_ djdevin DjebbZ djevans dlu dman Dmitriy.trt DmitryDrozdik dobrzyns docker dodorama dokumori Dom. donquixote douggreen dpearcefl dpi Dragan Eror drewish Dries drifter dropcube dropfen droplet drubage drunken monkey drupalninja99 drupleg dsnopek D Szkiba dtarc DuaelFr dudycz duellj durifal Dustin@PI dutchyoda DuttonMa dvinegla dww dysrama Désiré e0ipso e2thex earnie eaton ebeyrent ebrowet Ec1ipsis echoz EclipseGc edmoran edrupal **edurenye** edward_or **effulgentsia** eftimitac ehegedus eigentor **eiriksm** ekes el7cosmos elachlan elcuco eleisoncruz elfur Eli-T Elijah Lynn emanuelrighetto emarchak emma.maria eojthebrave epari.siva er.pushpinderrana ericduran ericski Eric_A ershov.andrey esbenvb eshta estoyausente eugenesia eule EvanDonovan Everett Zufelt evolvingweb ezeedub ezra-g **Fabianx** fabpot fabsor facine **fago** fakingfantastic falcon03 Fannon fastangel fenda fgm Fidelix fietserwin filijonka FiNeX fjd Fleshgrinder floretan FMB fmizzell foopang FrancescoQ Frando Frank Ralf fran seva franskuipers franz Freso fubhy fureigh fwalch g3r4 gabriel.achille Gabriel Radic Gaelan gaele gagarine garphy Garrett Albright gaspaio gaurav.goyal gaurav26570 gauravjeet gauravkhambhala gausarts gbentley geerlingguy geertvd generalredneck geoffreyr george.echim Georgii Gerhard Killesreiter giorgio79 GiorgosK gloob gnindl gnuget gobilo gobinathm good_man **googletorp** goudal gpapadongonas Grayside greenc greenSkin greg.1.anderson Greg Boggs greggles Greg Sims grisendo guillaumev gumanist gusgsm1 guygg guy_schneerson gvso gyuhyon h3rj4n Hadi Farnoud hairqls Hanno hansfn haripalrao harrrrrrr harry99 hass hatcat Haza hbblogger hchonov heather **heddn** hefox Heine hejzee helenkim hellolindsay henribergius herom herved heyrocker hinikato HnLn holist holly.ross.drupal holtzermann17 hpz hron84 hswong3i hudo hussainweb Hydra iamEAP ianthomas_uk ibullock IceCreamYou2 icseh. idebr idflood ifrik ifux Ignacio Sánchez iliphil iMiksu indytechcook InternetDevels intuited inwebsolutions IshaDakota itarato ivanchaer ivanjaros Ivan Zugec izmeez izus j.somers j0rd Jacine jackhutton JacobSanford jagalbraith Jaimeguzman jair Jake081 Jalandhar jamesharv jamesliu78 jamiehollern jamiezeidler janoka janusman japicoder JaredSmith javisr jayboodhun JayMN Jaypan Jaza jbrown jcisio jcnventura jdanthinne jeanfei Jeff Burnz Jeffrey C. jefkin Jelle_S jeni_dc jenlampton jepSter jerdavis jerdnas Jeroen JeroenT jesperjb jessebeach jessehs jgSnell **jhodgdon** jibran jimyhuang JirkaRybka jiv_e jicarrion jlbellido jlscott jmauro8ac jmesam jmmarquez jmolivas jnicola joachim joates Jody Lynn joelpittet joewatkins joginderpc johanv JohnAlbin John Bickar johnheaven johnish johnv jojonmaster JonMcL Jon Pugh joris.verschueren **JosephDpurcell** **Jose Reyero** joshi.rohit100 joshtaylor joshua.boltz JoshuaRogers jpd4nt jrglasgow jsbalsera jstoller jthorson juankvillegas jucallme juhovh JuliaKM julien JulienD junedkazi **JvE** jvieille jvns jwilson3 k4v kalabro kalman.hosszu karengreen KarenS Karmen Kartagis katbailey kathyh kattedkrab kbasarab kbentham KCarlile kcouch keith.smith keopx kerby70 kerrymick kevee Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killes@www.drop.org killua99 kim.pepper Kiphaas7 kiwad klausi klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneynde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthaler larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson **lauriii** lazysoundsystem LeeHunter leenwebb leetozu Leeteq legaudinier legolasbo **Leksat** Lendude leonrenkema leschekfm Les Lim Letharion LewisNyman lhangea Liam McDermott Liam Morland **likin** lilou linclark LinL liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth

keopx kerby70 kerrymick kevee Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killes@www.drop.org killua99 kim.pepper Kiphaas7 kiwad klaus klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneynde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthaler larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson **lauriii** lazysoundsystem LeeHunter leenwebb leeotzu Leeteq legaudinier legolasbo **Leksat** Lendude leonrenkema leschekfm Les Lim Letharion LewisNyman lhangea Liam McDermott Liam Morland **likin** lilou linclark LinL liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth **lokapujya** lokeoke LoMo lonelyrobot longwave lostkangaroo lotyrin LoveCharge lpalgarvio lslinnet lsmith77 lucascaro lucaschain luismagr Lukas von Blarer lund.mikkel Luxian lvbeck lydie m1r1k maciej.zgadzaj MacMladen Mac_Weber maggo magico maijs Malerio Manjit.Singh manningpete MantasK manu4543 Manuel Garcia marcel66 Marc Hannaford marcingy marco marcoscano marcus7777 marcushenningsen marcusx marcvangend marfillaster mariancalinro mark.labrecque markcarver markie MarkusDBX markus_petrux **Mark_L6n** marthina martin107 Martin Mayer martin_q maryedith mas0h mashermike matason MathieuSpil **matsbla** matt2000 MattDanger mattyong matulis Maune mauzeh mavimo maxchock **maxocub** maxterner23 maxtorete **mbrett5062** mbyrnes mcarbne mcrittenden mdrummond mducharme MegaChriz memoo merlinofchaos mesr01 meyertox mfb **mgifford** mglaman mgriego mhagedon MHLut MichaelCole michaelfavia michaellenahan michaelmol **Michelle** michlis micnap mikemiles86 mikeryan mikewink mikey_p mikispeed mikl Mile23 minff mioan Mirabuck mirocow miro_dietiker mitchell mitokens mitron mitrpaka mitsuroseba Mixologic mjohnq3 mjreich mkalkbrenner mkapst mlecha mlehner616 mlncn mmatsoo mmilano moe4715 mondrake mon_franco mooffie mortendk moshe weitzman mparker17 **mpdonadio** mpg mr.baileys mr.york mradcliffe mrded mrf MrHaroldA mrjmd mrP mrsinguyen msonnabaum mstrelan mtift mtomaizy mustafau MustangGB mvc my-family myforgedoteu n3or nadavoid nagwani NancyDru natuk naught101 naveenvalecha naveko NaX naxoc nbz neclimdul nedjo neetu morwani nerdoc nerdstein nevergone nevets ngoCKETit nicholosophy nick_schuch Nick_vh nicu nicxvan nikhilasrani nikhilsukul nikkubhai Niklas Fiekas niko- NITEMAN Nitesh Sethia nkschaefer **nligo** nod_ Noe_ Nomes NonProfit nonsie NotNotCow no_angel no_commit_credit no_longer_active_13 nvinayvinay nyirocsaba nyleve101 oadaeh oheller olli omar omercioglu omers OnkelTem opi oresh oriol_e9g orlitzky oussema Outi Owen Barton pameeela Pancho Paracetamol parasite ParisLiakos parthipanramesh Pasquale patrickd Patrick Storey paularmand Paul Broon paulmckibben pbland pbuyle pcambra pdenooijer pdrake Pedro Lozano pedrop pefferen **penyaskito** pepperstreet Pere Orga perusio peximo pflame **pfrenssen** pguillard phiit philbar philipnorton42 philipz phillamb168 PieterJanPut pillarsdotnet pingers Pinolo pixelite pixelwhip piyuesh23 pjbaert pjonckiere pkiraly **plach** Plascual plopesc pmackay pmelab podarok Pol pounard pp pplantinga PrabhuG prajaankit Prashant.c prashantgoel prateek479 pratik60 prikkprikkprikk prodosh psynaptic purabkharat pwieck **pwolanin** qgil quicksketch quietone rachel_norfolk RachFrieee rachit_gupta rahul.shinde rahuldolas123 RajeevK Rajesh Ashok rajneeshb rak2008 rameshbabu.g ramlev Ranko rasskull ravi.khetri RavindraSingh rbayliss rbmboogie rbosscher rbunch rdickert rdrh555 realityloop redndahead reglogge renat rfay rhabbachi ricardoamaro rickmanelius rickvug rkjha **rkoller** rli rlmumford **robertdbailey** robertgarrigos Roberto Gerola Robin Millette Robin Monks RobLoach robmc RobW rocket_nova roderik rodrigoaguilera RodrigoBalest ronald_istos rooby RoySegall rpayanm rpsu rszrama rteijeiro rudiedirkx rudivanes rupl russo79 rvilar rwt ry5n ryanissamson Ryan Weal rych sahain saki007ster salvis Sam152 sandipmkhairnar sandykadam Saphyel saravananr971 sardara sasanikolic sasha.ua savithac Sborsody Schnitzel scor scottalan sdboyer sdelbosc SeanBannister SeanKelly SebCorbin sebi segi seiplax Sephi77 seranooo5 sergeypavlenko Sethie sethiele seutje sfyn Shai shanethehat **Sharique** Shellingfox shenzhuxi shixish shnark shuklasp Shyamala sidharrell sidharthap sihv SiliconMind Sill silverdog silverwing simolokid Simon Georges sinasalek sir_squall skippednote skipyTskwashd skyredwang slashrsm slowflyer smiletrl smithworx smokris snufkin Snugug socketwench soipo Soul88 SoumyaDas sourcesoft spacereactor spearhead93 speely Spleshka Stalski starchild stBorchert **stefan.r** Stefan Freudenberg stefank Stefan Nagtegaal SteffenR steinmb stella stephen.colson stephr Steven Jones stevepurkiss stijndmd stkrzysiak stpaultim StryKaizer StuartJNCC subhojit777 Sumeet.Pareek **SUN** sun.core superspring surandesilva surgeonbor sushantpaste sushilkr sushyl **Sutharsan** svendecabooter svenryen swastik1608 Sweetchuck swentel sxnc Sylvain Lecoy sylvain_a szato T-lo tammo tarmstrong tatarbj te-brian tedbow tetranz thamas thechanceg thedavidmeister thegreatone thehong thePanz theunraveler the_phi ThisIsDog thlafon thomas4019 thomastorfs Thomas_Zahredden ti2m tim-e **tim.plunkett** Tim Bozeman timmillwood timofey tinker tinyrobot tkoleary tky tcloudon tobiasb toemaz tomreavley tomsm TonyScott Tor Arne Thune torpy TR Transition TravisCarden trevjs tsi **tstoeckler** tsvenson tucho twistor TwoD twomasc typhonius Uccio Ujin ultimike underq unstatu **Upchuk** ursula vaartio vacho vaibhavjain valdo valokettu valthebald Vapes vasi1186 vasike vastav vermario **vijaycs85** Vikas Negi virgo virtualstep visabhishek VladSavitsky vlkff vollepeer voxpelli vuzzbox vyasamit2007 vzbk wadmiraal walkah wamilton weakqueen99 **webchick** **webflo** webkenny webmozart webwarrior westie WigglyKoala wilco WilliamB willieseabrook willyk wilsonw **Wim Leers** wjaspers **wmortada** wmostrey wojtha woody WormFood wrg20 wroxbox wusel xaav xadag Xano xecstasyx Xen **xjm** xmacinfo xpound xslim XTCHost yang_yi_cn yanniboi yannickoo yannisc yched **YesCT** ygerasimov yhager yohannbzh yoroy ytsurk yukare yurtboy z.stolar zaporylie zealfire ZenDoodles Zerdiox zerodeux zeropx zestagio zetagraph zippydoug zirvap zkday **znerol** Zoltán Balogh zroger zschmid zserno zuuperman _nolocation

DRUPAL 7 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.



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.

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE



CONTENT



CONFIG

DEALING WITH LANGUAGE

LanguageManager



\Drupal:languageManager()



ConfigurableLanguageManager

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

EN: ENGLISH (DEFAULT)

ZXX: NOT APPLICABLE

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

HU: HUNGARIAN

ZXX: NOT APPLICABLE

IT: ITALIAN



Locked

Not locked



language.entity.\$langcode.yml

DEALING WITH LANGUAGE

```
ConfigurableLanguage::  
createFromLangcode('fr')  
->save()
```

DEALING WITH LANGUAGE

```
ConfigurableLanguage::  
load('fr')->delete()
```

DEALING WITH LANGUAGE

```
$languageManager  
->getCurrentLanguage()
```

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE



CONTENT

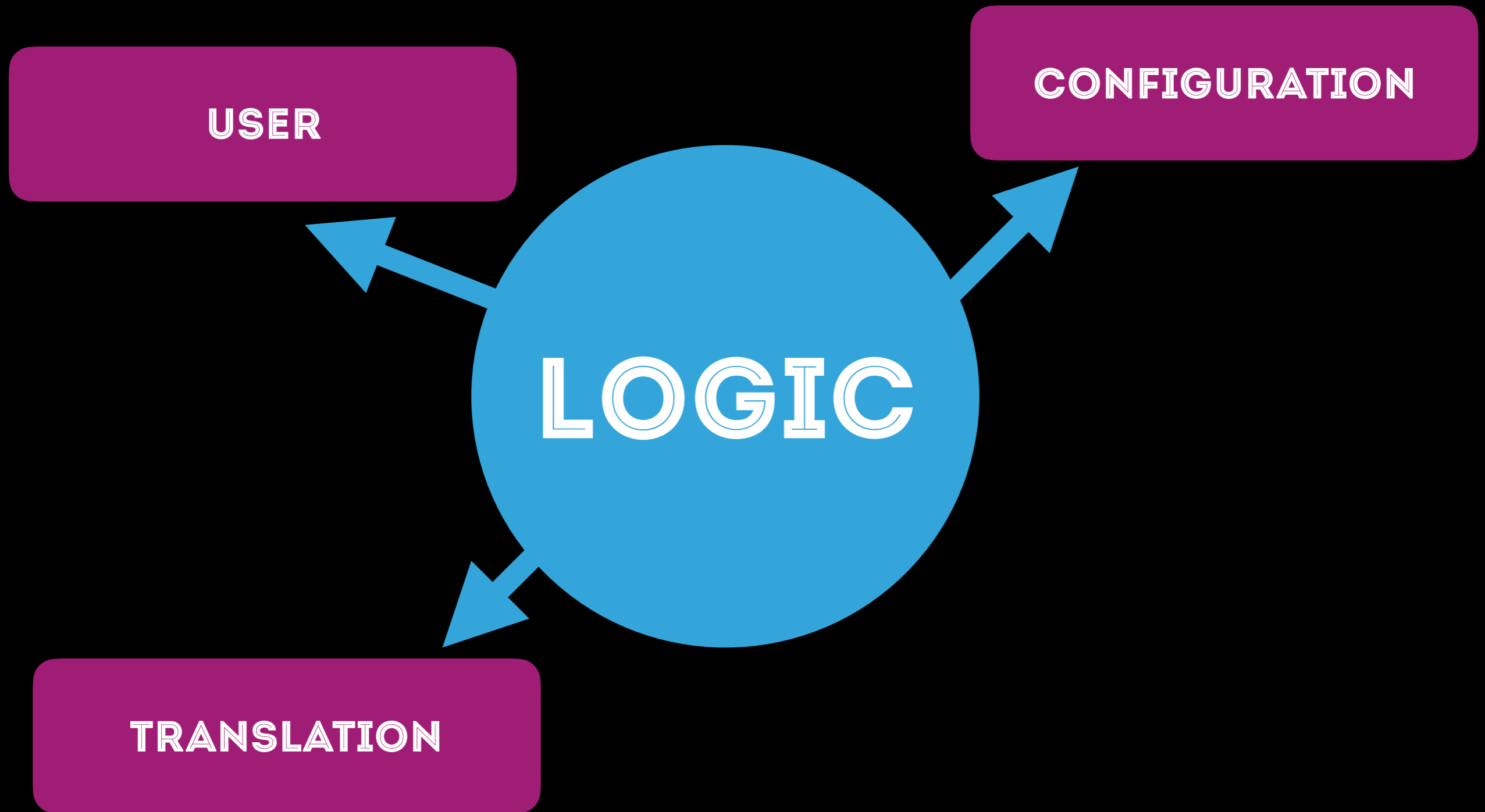


CONFIG

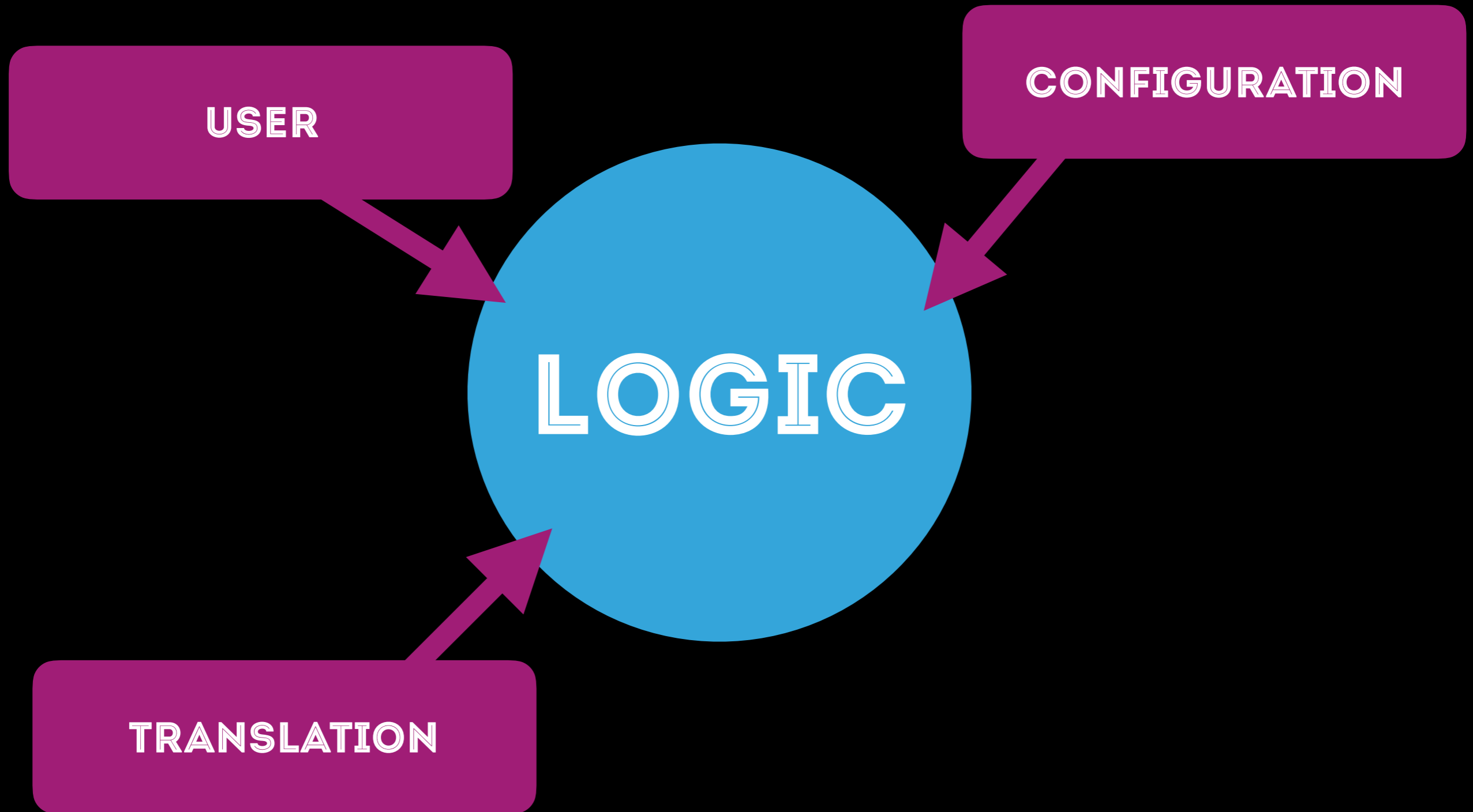
INTERFACE LANGUAGE

t('English text')

DEPENDENCY INJECTION



DEPENDENCY INJECTION



INTERFACE LANGUAGE

~~t('English text')~~

\$this->t('English text')

INTERFACE LANGUAGE

```
class Foo {  
    use StringTranslationTrait;  
    ...  
}
```

INTERFACE LANGUAGE

```
$this->t('English text')  
->getOption('langcode');
```

INTERFACE LANGUAGE

~~format_plural(...)~~

\$this->formatPlural(...)

JAVASCRIPT API

Drupal.t(...)

Drupal.formatPlural()

TWIG TEMPLATES

INPUT--SEARCH.HTML.TWIG

```
<input {{ attributes }}  
    placeholder="{{ 'Search'|trans }}" />
```

NODE.HTML.TWIG

```
<div{{ author_attributes }}>  
    {% trans %}  
        Submitted by {{ author_name }} on {{ date }}  
    {% endtrans %}  
</div>
```

LOCALE.LINKS.MENU.YML

locale.translate_page:

title: '**User interface translation**'

description: '**Configure the import ...**'

route_name: locale.translate_page

parent: system.admin_config_regional

weight: 15

locale.translate_status:

title: '**Available translation updates**'

route_name: locale.translate_status

description: '**Get a status report ...**'

parent: system.admin_reports

LOCALE.LINKS.MENU.YML

locale.translate_page:

title: **'User interface translation'** ←

description: **'Configure the import ...'** ←

route_name: locale.translate_page

parent: system.admin_config_regional

weight: 15

locale.translate_status:

title: **'Available translation updates'** ←

route_name: locale.translate_status

description: **'Get a status report ...'** ←

parent: system.admin_reports

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE

English to X



CONTENT



CONFIG

NODE.PHP (SNIPPET)

```
/** *  
 * Defines the node entity class.  
 *  
 * @ContentEntityType(  
 *   id = "node",  
 *   label = @Translation("Content"),  
 *   translatable = TRUE, ←  
 *   entity_keys = {  
 *     "id" = "nid",  
 *     "label" = "title",  
 *     "langcode" = "langcode", ←  
 *   }  
 * )
```

NODE.PHP (SNIPPET)

```
function baseFieldDefinitions($entity_type) {  
    // ...  
    $fields['title'] =  
    BaseFieldDefinition::create('string')  
        ->setLabel(t('Title'))  
        ->setRequired(TRUE)  
        ->setTranslatable(TRUE); ←  
}
```

FIELDS THEMSELVES

AUTOMATED!

MULTICOLUMN FIELD SNIPPET

```
* @FieldType(  
*   id = "image",  
*   column_groups = { ←  
*     "file" = {  
*       "label" = @Translation("File"),  
*       "columns" = {  
*         "target_id", "width", "height"  
*       },  
*     },  
*     "alt" = {  
*       "label" = @Translation("Alt"),  
*       "translatable" = TRUE ←  
*     },  
*   }  
* }
```


ENTITY LANGUAGE API

```
$node = Node::load(42);
```



```
$node = $node  
->getTranslation('hu');
```



```
$node = $entityRepository  
->getTranslationFromContext($node);
```

ENTITY LANGUAGE API

`$node->getUntranslated()`

`$node->language()`

`$node->getTranslationLanguages()`

`$node->hasTranslation('hu')`

`$node->addTranslation('hu')`

`$node->removeTranslation('hu')`

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE

English to X



CONTENT

X to Y

Intelligent
objects



CONFIG

CONFIG/INSTALL/SYSTEM.MAINTENANCE.YML

```
message: '@site is currently under  
maintenance. We should be back  
shortly. Thank you for your  
patience.'
```

```
langcode: en ←
```

CORE.DATA_TYPES.SCHEMA.YML

```
config_object:  
  type: mapping  
  mapping:  
    langcode: ←  
      type: string  
      label: 'Language code'  
  ...
```

```
text:  
  type: string  
  label: 'Text'  
  translatable: true ←
```

CONFIG/SCHEMA/SYSTEM.SCHEMA.YML

system.maintenance:

LANGCODE

type: config_object

label: 'Maintenance mode'

mapping:

message:

TRANSLATABLE
STRING

type: text

label: 'Message to display...'

SYSTEM.MAINTENANCE.YML

message: '@site is currently under maintenance. We should be back shortly. Thank you for your patience.'
langcode: en

LANGUAGES/HU/SYSTEM...YML

message: '@site karbantartás alatt áll...'

LANGUAGES/IT/SYSTEM...YML

message: '@site ...'

CONFIGURATION API



OVERRIDES
APPLY AS
APPROPRIATE

```
$config =  
\Drupal::config('system.maintenance');  
  
$config->get('message');
```


CONFIGURATION API

```
$manager = \Drupal::languageManager();  
$hu = $manager->getLanguage('hu');
```

```
$original = $manager->  
>getConfigOverrideLanguage();  
$manager->setConfigOverrideLanguage($hu);
```

```
$config = \Drupal::config('system.maintenance');  
// ...
```

```
$manager->setConfigOverrideLanguage($original);
```

CONFIGURATION API

```
\Drupal::config('system.maintenance');
```

OVERRIDES
APPLY AS
APPROPRIATE

```
\Drupal::configFactory()-  
>getEditable('system.maintenance');
```

NO OVERRIDES
APPLY

```
\Drupal::languageManager()  
->getLanguageConfigOverride  
('hu', 'system.maintenance')  
->set('message', 'Karbantartás...')  
->save();
```

THE
OVERRIDE
ITSELF

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE

English to X



CONTENT

X to Y

Intelligent
objects



CONFIG

X to Y

Dumb
arrays

-enzo- 1ethylorest 5ven 12345678912345678 a.ross a1russell aaronaverill aaronott ACF achton aacrollet adam7 Adam Clarey adci_contributor AdrianB afeijo agentrickard agrozyme Aimee Degnan ainigma32 aitiba ajeverson AjitS akahn akejoha akoe akozma akshay.swnt22 Alan D. Alan Evans alansaviolobo alarcombe alberto56 Albert Volkman alduya alerque alexanderpas alexh58 alexkb **alexpott** Alex UA alexweber alex_b Alice Heaton alimac alippai almaudoh aloyr Alumei alvar0hurtad0 alweb amateescu ameenkhan07 amitaibu amitgoyal amontero amourow anarcat anavarre ancamp andrei.dincu andrejsmuzikovs andremolnar Andrew Schulman andyceo andymartha **andypost** andythomnz aneek ankitgarg annikaC anrikun Antti J. Salminen Anushka-mp Anybody ardas areke ariane aries arkestra arlinsandbulte Aron Novak aroq arpitr ars- Arskiainen artem.ua Artusamak arunaseva asb aschiwi AshishK-dupe ashutoshsng ashwinikumar askibinski aspilicious **attiks** attila.fekete aturetta August1914 Aunion axe312 axel.rutz ayelet_Cr a_thakur a_webb b0unty babasse05 babruix badrange balagan balintcsaba balintk BalrajB bannorb banviktor BarisW barraponto basvanderveen batigolix bbinkovitz bechtold **beejeebus** bendev benjf benjifisher benjy BenK bensemme **Berdir** beretta627 BeyersdorferTJ bforchhammer bfroehle biro.botond bisonbleu bjaspan blackdog bleen18 blueminds BMDan Bodo Maass bojanz Bojhan Bojhan.core Boobaa bookmarvel boran borisbaldinger boris sondagh **borisson_** botanic_spark bowersox boztek **brandon.holtsclaw** brantwynn brianV BrightBold BrockBoland bryancasler bserem bshaffer bsherwood Buratino42 bwinett Bès c-c-m c4doug c31ck c960657 CaDyMaN caktux calliandra cam8001 Carl Johan carsonevans Carsten Müller carwin casey **catch** cbiggins cburschka ceardach cesarmiquel cha0s chakrapani Charles Belov charmi cheops90 chr.fritsch chrisbloomfield chrischinchilla Chris Dart chrishks chrisjee Chris Luckhardt chrispomeroxy ChristianAdamski Christopher James Francis Rodgers **chx cilefen** cirage cjoy CKoch clashar claudinec Claudis claudiu.cristea clemens.tolboom CMS Dude codemonkie codexmas Cogax colan colbol cordoval corvus_ch cosmicdreams Cottser Countzero cpelham cpj craychee **Crell** crispiatico crotown crowdcg csakiistvan csc4 csg cshuangtw cspitzlay cs_shadow cweagans cwells cwgordon7 Cyberschorsch Cyberwolf Cyclodex czigor dado Daemon_Byte daffie dagmar dagmita dags damiankloip DamienMcKenna Damien Tournoud danielnolde Daniel_Rose danigrll danillonunes DanPir danylevskyi das-peter **dasjo** dasrecht Dave.Ingram Dave Cohen Dave Reid david.lukac davidhernandez David Hernández David Latapie David Lesieur David Strauss david_garcia David_Rothstein **dawehner** dboulet dcam dclavain dcmistry dcmouyard dcrocks dddave **deepakaryan1988** delmarr DeNelo denjell derek.deraps derEremit dermario desbeers develCuy deveshpal Devin Carlson devuo Dhorkiy DickJohnson diego21 dileepmaurya dimaro dinarcon diqidoq disasm dixon_ djdevin DjebbZ djevans dlu dman Dmitriy.trt DmitryDrozdik dobrzyns docker dodorama dokumori Dom. donquixote douggreen dpearcefl dpi Dragan Eror drewish Dries drifter dropcube dropfen droplet drubage drunken monkey drupalninja99 drupleg dsnopek D Szkiba dtarc DuaelFr dudycz duellj durifal Dustin@PI dutchyoda DuttonMa dvinegla dww dysrama Désiré e0ipso e2thex earnie eaton ebeyrent ebrowet Ec1ipsis echoz EclipseGc edmoran edrupal **edurenye** edward_or **effulgentsia** eftimitac ehegedus eigentor **eiriksm** ekes el7cosmos elachlan elcuco eleisoncruz elfur Eli-T Elijah Lynn emanuelrighetto emarchak emma.maria eojthebrave epari.siva er.pushpinderrana ericduran ericski Eric_A ershov.andrey esbenvb eshta estoyausente eugenesia eule EvanDonovan Everett Zufelt evolvingweb ezeedub ezra-g **Fabianx** fabpot fabsor facine **fago** fakingfantastic falcon03 Fannon fastangel fenda fgm Fidelix fietserwin filijonka FiNeX fjd Fleshgrinder floretan FMB fmizzell foopang FrancescoQ Frando Frank Ralf fran seva franskuipers franz Freso fubhy fureigh fwalch g3r4 gabriel.achille Gabriel Radic Gaelan gaele gagarine garphy Garrett Albright gaspaio gaurav.goyal gaurav26570 gauravjeet gauravkhambhala gausarts gbentley geerlingguy geertvd generalredneck geoffreyr george.echim Georgii Gerhard Killesreiter giorgio79 GiorgosK gloob gnindl gnuget gobilo gobinathm good_man **googletorp** goudal gpapadongonas Grayside greenc greenSkin greg.1.anderson Greg Boggs greggles Greg Sims grisendo guillaumev gumanist gusgsm1 guygg guy_schneerson gvso gyuhyon h3rj4n Hadi Farnoud hairqls Hanno hansfn haripalrao harrrrrrr harry99 hass hatcat Haza hbblogger hchonov heather **heddn** hefox Heine hejzee helenkim hellolindsay henribergius herom herved heyrocker hinikato HnLn holist 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joshi.rohit100 joshtaylor joshua.boltz JoshuaRogers jpd4nt jrglasgow jsbalsera jstoller jthorson juankvillegas jucallme juhovh JuliaKM julien JulienD junedkazi **JvE** jvieille jvns jwilson3 k4v kalabro kalman.hosszu karengreen KarenS Karmen Kartagis katbailey kathyh kattedkrab kbasarab kbentham KCarlile kcouch keith.smith keopx kerby70 kerrymick kevee Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killes@www.drop.org killua99 kim.pepper Kiphaas7 kiwad klausi klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatiL KrisBulman Kristen Pol kristiaanvandeneynde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthaler larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson **lauriii** lazysoundsystem LeeHunter leenwebb leetozu Leeteq legaudinier legolasbo **Leksat** Lendude leonrenkema leschekfm Les Lim Letharion LewisNyman lhangea Liam McDermott Liam Morland **likin** lilou linclark LinL liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth

keopx kerby70 kerrymick kevee Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killes@www.drop.org killua99 kim.pepper Kiphaas7 kiwad klaus klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneynde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthaler larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson **lauriii** lazysoundsystem LeeHunter leenwebb leeotzu Leeteq legaudinier legolasbo **Leksat** Lendude leonrenkema leschekfm Les Lim Letharion LewisNyman lhangea Liam McDermott Liam Morland **likin** lilou linclark LinL liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth **lokapujya** lokeoke LoMo lonelyrobot longwave lostkangaroo lotyrin LoveCharge lpalgarvio lslinnet lsmith77 lucascaro lucaschain luismagr Lukas von Blarer lund.mikkel Luxian lvbeck lydie m1r1k maciej.zgadzaj MacMladen Mac_Weber maggo magico maijs Malerio Manjit.Singh manningpete MantasK manu4543 Manuel Garcia marcel66 Marc Hannaford marcingy marco marcoscano marcus7777 marcushenningsen marcusx marcvangend marfillaster mariancalinro mark.labrecque markcarver markie MarkusDBX markus_petrux **Mark_L6n** marthina martin107 Martin Mayer martin_q maryedith mas0h mashermike matason MathieuSpil **matsbla** matt2000 MattDanger mattyounge matulis Maune mauzeh mavimo maxchock **maxocub** maxterner23 maxtorete **mbrett5062** mbyrnes mcarbne mcrittenden mdrummond mducharme MegaChriz memoo merlinofchaos mesr01 meyertox mfb **mgifford** mglaman mgriego mhagedon MHLut MichaelCole michaelfavia michaellenahan michaelmol **Michelle** michlis micnap mikemiles86 mikeryan mikewink mikey_p mikispeed mikl Mile23 minff mioan Mirabuck mirocow miro_dietiker mitchell mitokens mitron mitrpaka mitsuroseba Mixologic mjohnq3 mjreich mkalkbrenner mkapst mlecha mlehner616 mlncn mmatsoo mmilano moe4715 mondrake mon_franco mooffie mortendk moshe weitzman mparker17 **mpdonadio** mpg mr.baileys mr.york mradcliffe mrded mrf MrHaroldA mrjmd mrP mrsinguyen msonnabaum mstrelan mtift mtomaizy mustafau MustangGB mvc my-family myforgedoteu n3or nadavoid nagwani NancyDru natuk naught101 naveenvalecha naveko NaX naxoc nbz neclimdul nedjo neetu morwani nerdoc nerdstein nevergone nevets ngoocketit nicholosophy nick_schuch Nick_vh nicu nicxvan nikhilasrani nikhilsukul nikkubhai Niklas Fiekas niko- NITEMAN Nitesh Sethia nkschaefer **nligo** nod_ Noe_ Nomes NonProfit nonsie NotNotCow no_angel no_commit_credit no_longer_active_13 nvinayvinay nyirocsaba nyleve101 oadaeh oheller olli omar omercioglu omers OnkelTem opi oresh oriol_e9g orlitzky oussema Outi Owen Barton pameeela Pancho Paracetamol parasite ParisLiakos parthipanramesh Pasqualle patrickd Patrick Storey paularmand Paul Broon paulmckibben pbland pbuyle pcambra pdenooijer pdrake Pedro Lozano pedrop pefferen **penyaskito** pepperstreet Pere Orga perusio peximo pflame **pfrenssen** pguillard phiit philbar philipnorton42 philipz phillamb168 PieterJanPut pillarsdotnet pingers Pinolo pixelite pixelwhip piyuesh23 pjbaert pjonckiere pkiraly **plach** Plascual plopesc pmackay pmelab podarok Pol pounard pp pplantinga PrabhuG prajaankit Prashant.c prashantgoel prateek479 pratik60 prikkprikkprikk prodosh psynaptic purabkharat pwieck **pwolanin** qgil quicksketch quietone rachel_norfolk RachFrieer rachit_gupta rahul.shinde rahuldolas123 RajeevK Rajesh Ashok rajneeshb rak2008 rameshbabu.g ramlev Ranko rasskull ravi.khetri RavindraSingh rbayliss rbmboogie rbosscher rbunch rdickert rdrh555 realityloop redndahead reglogge renat rfay rhabbachi ricardoamaro rickmanelius rickvug rkjha **rkoller** rli rlmumford **robertdbailey** robertgarrigos Roberto Gerola Robin Millette Robin Monks RobLoach robmc RobW rocket_nova roderik rodrigoaguilera RodrigoBalest ronald_istos rooby RoySegall rpayanm rpsu rszrama rteijeiro rudiedirkx rudivanes rupl russo79 rvilar rwt ry5n ryanissamson Ryan Weal rych sahain saki007ster salvis Sam152 sandipmkhairnar sandykadam Saphyel saravananr971 sardara sasanikolic sasha.ua savithac Sborsody Schnitzel scor scottalan sdboyer sdelbosc SeanBannister SeanKelly SebCorbin sebi segi seiplax Sephi77 seranooo5 sergeypavlenko Sethie sethiele seutje sfyn Shai shanetheat **Sharique** Shellingfox shenzhuxi shixish shnark shuklasp Shyamala sidharrell sidharthap sihv SiliconMind Sill silverdog silverwing simolokid Simon Georges sinasalek sir_squall skippednote skipyTskwashd skyredwang slashrsm slowflyer smiletrl smithworx smokris snufkin Snugug socketwench soipo Soul88 SoumyaDas sourcesoft spacereactor spearhead93 speely Spleshka Stalski starchild stBorchert **stefan.r** Stefan Freudenberg stefank Stefan Nagtegaal SteffenR steinmb stella stephen.colson stephr Steven Jones stevepurkiss stijndmd stkrzysiak stpaultim StryKaizer StuartJNCC subhojit777 Sumeet.Pareek **SUN** sun.core superspring surandesilva surgeonbor sushantpaste sushilkr sushyl **Sutharsan** svendecabooter svenryen swastik1608 Sweetchuck swentel sxnc Sylvain Lecoy sylvain_a szato T-lo tammo tarmstrong tatarbj te-brian tedbow tetranz thamas thechanceg thedavidmeister thegreatone thehong thePanz theunraveler the_phi ThisIsDog thlafon thomas4019 thomastorfs Thomas_Zahredden ti2m tim-e **tim.plunkett** Tim Bozeman timmillwood timofey tinker tinyrobot tkoleary tky tcloudon tobiasb toemaz tomreavley tomsm TonyScott Tor Arne Thune torpy TR Transition TravisCarden trevjs tsi **tstoeckler** tsvenson tucho twistor TwoD twomasc typhonius Uccio Ujin ultimike underq unstatu **Upchuk** ursula vaartio vacho vaibhavjain valdo valokettu valthebald Vapes vasi1186 vasike vastav vermario **vijaycs85** Vikas Negi virgo virtualstep visabhishek VladSavitsky vlkff vollepeer voxpelli vuzzbox vyasamit2007 vzbk wadmiraal walkah wamilton weakqueen99 **webchick** **webflo** webkenny webmozart webwarrior westie WigglyKoala wilco WilliamB willieseabrook willyk wilsonw **Wim Leers** wjaspers **wmortada** wmostrey wojtha woody WormFood wrg20 wroxbox wusel xaav xadag Xano xecstasyx Xen **xjm** xmacinfo xpound xslim XTCHost yang_yi_cn yanniboi yannickoo yannisc yched **YesCT** ygerasimov yhager yohannbzh yoroy ytsurk yukare yurtboy z.stolar zaporylie zealfire ZenDoodles Zerdiox zerodeux zeropx zestagio zetagraph zippydoug zirvap zkday **znerol** Zoltán Balogh zroger zschmid zserno zuuperman _nolocation

A historical world map with a grid of latitude and longitude lines. The map is surrounded by decorative vignettes in circular frames, depicting various scenes and figures. The title at the top reads "NOVA TOTIUS TERRARUM ORBIS GEOGRAPHICA AC HYDROGRAPHICA TABULA". The word "AMERICA" is prominently displayed in a decorative frame over the North American continent. The map shows the continents of North America, South America, Europe, Africa, and Asia, along with the oceans.

DRUPAL 8'S MULTILINGUAL APIS: BUILDING FOR THE ENTIRE WORLD



DRUPALCAMP GHENT
2016

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