



DUBLIN

DRUPALCON





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

PENYASKITO

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Drupal 8 Multilingual
Initiative contributor

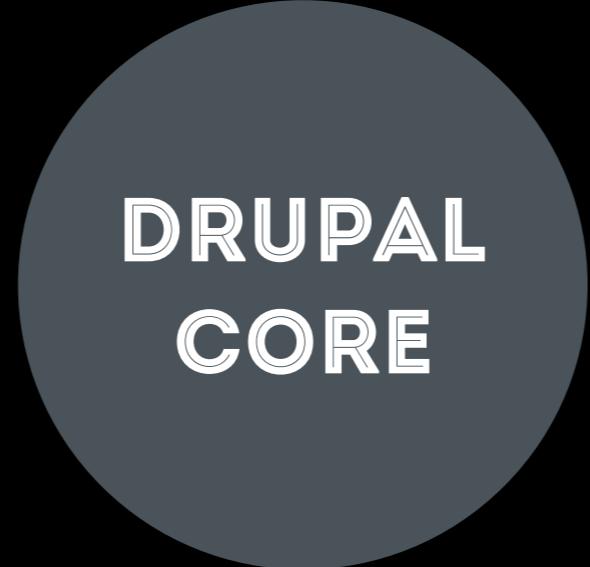


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Salminen Anushka-mp Anybody ardas areke arianek aries arkestra arlinsandbulte Aron Novak aroq arpitr ars- Arskainen artem.ua Artusamak arunaseva asb aschiwi AshishK-dupe ashutoshsng ashwinikumar askibinski aspilicious attiks attila.fekete aturetta 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 bensemml Berdir beretta627 BeyersdorferTJ bforchhammer bfroehle biro.botond bisonbleu bjaspan blackdog bleen18 blueminds BMDan Bodo Maass bojanz Bojan Bojan.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 callandra 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 chrishtks chrisjlee Chris Luckhardt chrispomeroy 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** crisiatico 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 danigrrl 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 dcemory dcmyard 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 dougreen 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 dvineglia dwy 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 emanuelriggetto emarchak emma.maria ejithebrave epari.siva er.pushpinderrana ericdurran ericski Eric_A ershow.andrey esbenvb eshta estoyausente eugeniesia 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 gauravkhambala gausarts gbentley geerlingguy geertvd generalredneck geoffreyr george.echim Georgii Gerhard Killesreiter giorgio79 GiorgosK gloob gnndl 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 hairqles Hanno hansfn haripalrao harrrrrr harry99 hass hatcat Haza hbblogger hchonov heather heddn hefox Heine hejazee 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 iMiku indytechcook InternetDevels intuted 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 jamicoder jaredsmith javisr jayboodhun JayMN Jaypan Jaza jbrown jcisio jcventure jdanthinne jeanfei Jeff Burnz Jeffrey C. jefkin Jelle_S jeni_dc jenlampton jepSter jerdavis jerdnas Jeroen JeroenT jesperjb jessebeach jessehs jgSnell **jhedstrom** jherencia **jhodgdon** jibran jimyhuang JirkaRybka jiv_e jjcarriion jbellido jlscott jmauro8ac jmesam jmmarquez jmoliwas jnicola joachim joates Jody Lynn joelpittet joewatkins joginderpc johanj 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 kattekrob kbasarab kbentham KCarlile kcouch keith.smith keopx kerby70 kerrymick kevee Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killies@www.drop.org killua99 kim.pepper Kiphaas7 kiwad klausj klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneinde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthalier larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson laurii 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 lixivhp lmeurs loganfsmyth

keopx kerby70 kerrymick keeve Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killua99 kim.pepper Kiphaas7 kiwad klausie klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneerde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthaler larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson laurii lazyoundsystem LeeHunter leenwebb leeotzu Leeteq legaudinier legolasbo Leksat Lendude leonrenkema leschekfm Les Lim Letharion LewisNyman Ihangea Liam McDermott Liam Morland likin lilou linclark LinL liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth lokapujya lokeoke LoMo lonelyrobot longwave lostkangaroo lotyrin LoveCharge lpalgarvio 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 marcosciano marcus7777 marcushenningsen marcusx marcvangend marfillaster mariancalinro mark.labrecque markcarver markie MarkusDBX markus_petrux **Mark_L6n** marthinal martin107 Martin Mayer martin_q maryedith mas0h mashermike matason MathieuSpil **matsbla** matt2000 MattDanger mattyoung matulis Maune mauzeh mavimo maxchock **maxocub** maxterner23 maxtorete **mbrett5062** mbyrnes mcarbone 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 mmatsu mmilano moe4715 mondrike mon_franco mooffie mortendk moshe weitzman mparker17 **mpdonadio** mpg mr.baileys mr.york mradcliffe 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 nerdock nerdstein nevergone nevets ngocketit nicholosophy nick_schuch Nick_vh nicu nicxvan nikhilsrani nikkubhai Niklas Fiekas niko- NITEMAN Nitesh Sethia nkschaefer **nligo** nod_Noel_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 pameela Pancho Paracetamol parasite ParisLiakos parthipanramesh Pasqualle patrickd Patrick Storey paularmand Paul Broon paulmckibben pbland pbuyle pcambra pdenooijer pdrale Pedro Lozano pedrop pefferen **penyaskito** pepperstreet Pere Orga perusio peximo pflame pfrenssen pguillard phiit philbar philipnorton42 philipz phillamb168 PieterJanPut pillarsdotnet pinges Pinolo pixelite pixelwhip piyuesh23 pjbaert pjonckiere pkiraly **plach** Plascual ploesc 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 RachFriece 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 rhabachi ricardoamaro rickmanelius rickvug rkja rkiller rli rlumford **robertdballey** 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 saravanann971 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 shuklas Shyamala sidharrell sidharthap sihv SiliconMind Sill silverdog silverwing simolokid Simon Georges sinasalek sir_squall skippednote skipyT skwashd skyredwang slashrsm slowflyer smiletrr 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_Zahreddin ti2m tim-e **tim.plunkett** Tim Bozeman timmillwood timofey tinker tinyrobot tkoleary tky tloudon 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 voxelli vuzzbox vyasamit2007 vzblik wadmiraal walkah wamilton weakqueen99 webchick webflo webkenny webmozart webwarrior westie WigglyKoala wilco WilliamB willieseabrook willyk wilsonw **Wim Leers** wjaspers wmortada wmostrey wojtha wooody 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

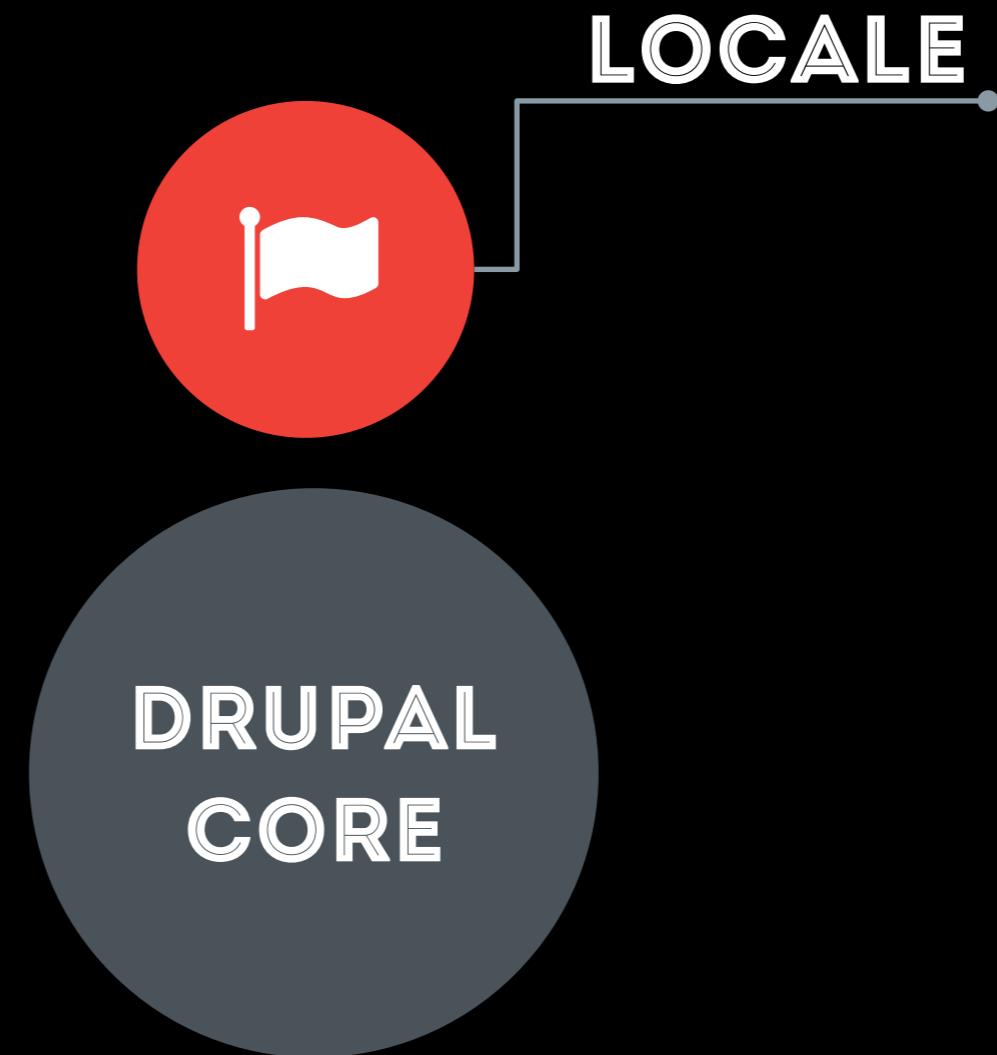
DRUPAL 7 MULTILINGUAL

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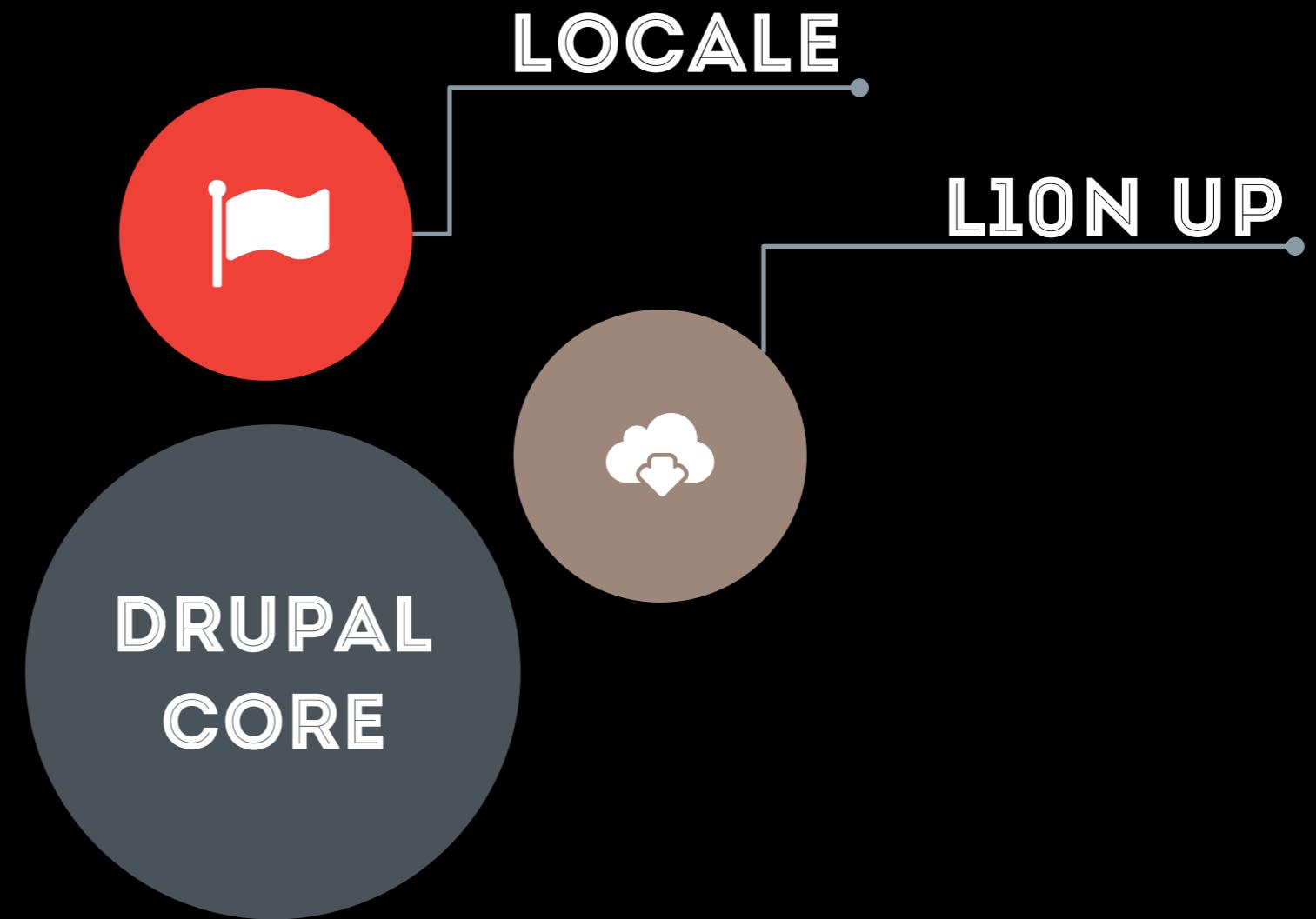


DRUPAL
CORE

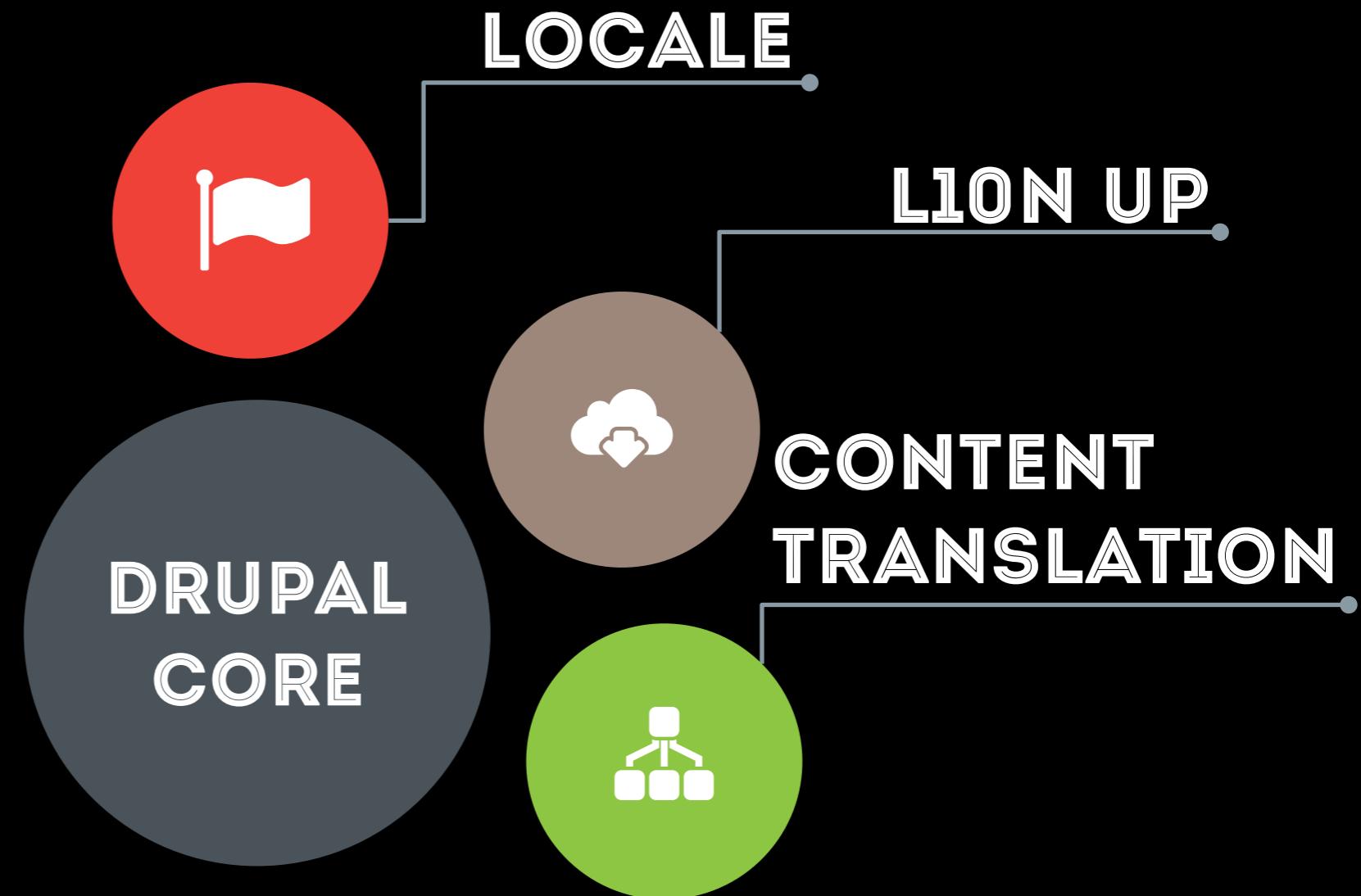
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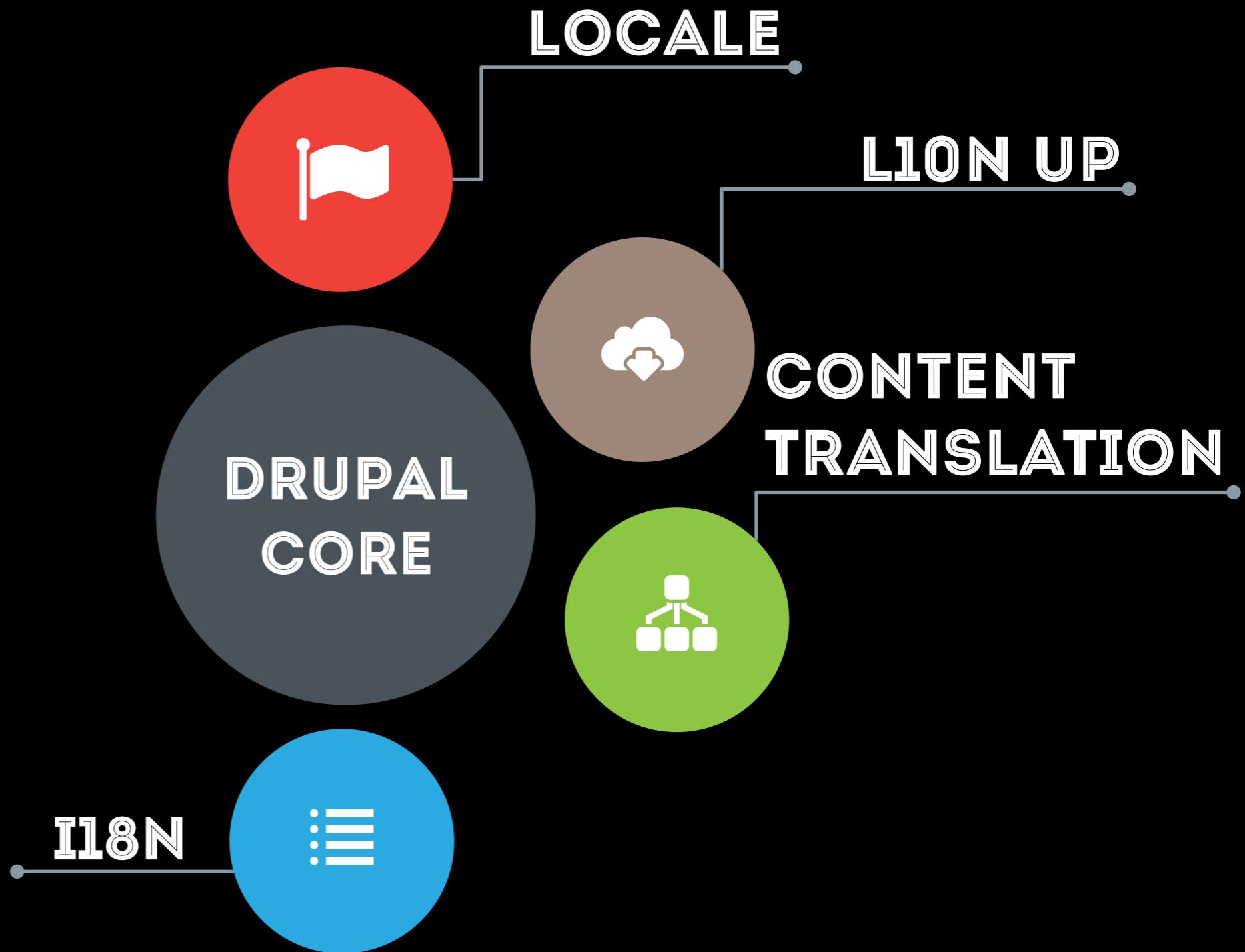
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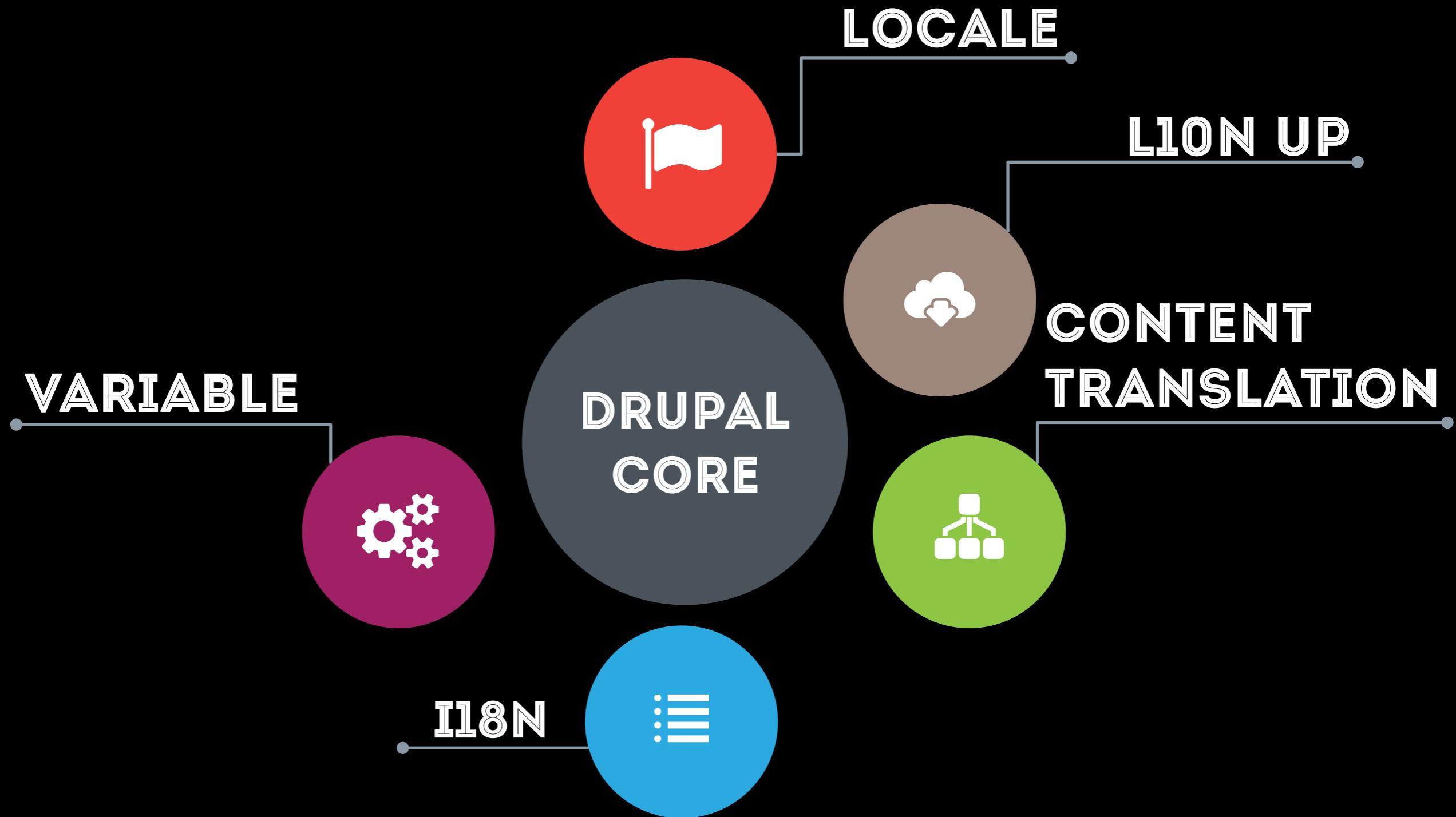
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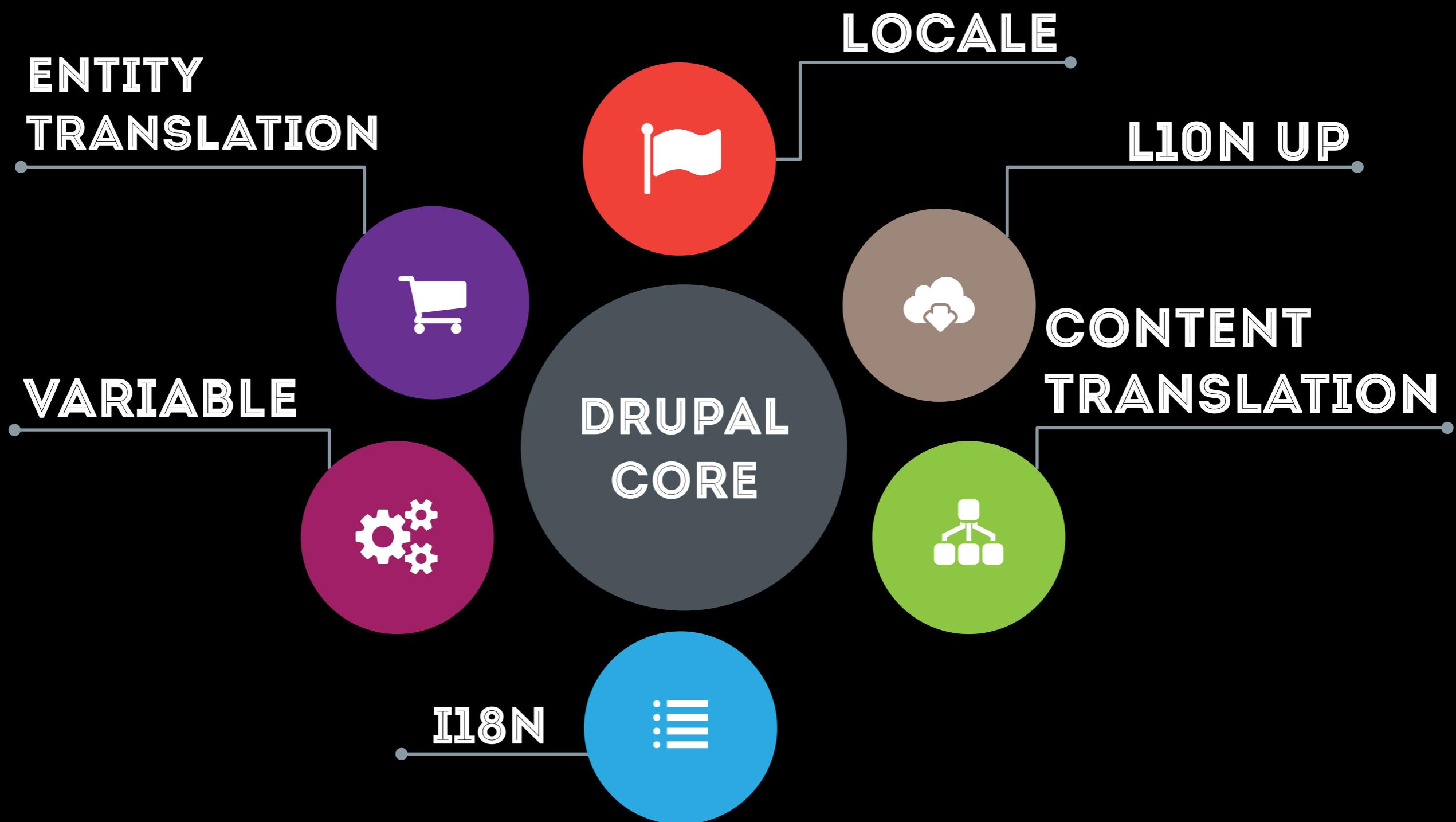
DRUPAL 7 MULTILINGUAL



DRUPAL 7 MULTILINGUAL



DRUPAL 7 MULTILINGUAL



FOUR PILLARS IN DRUPAL 8

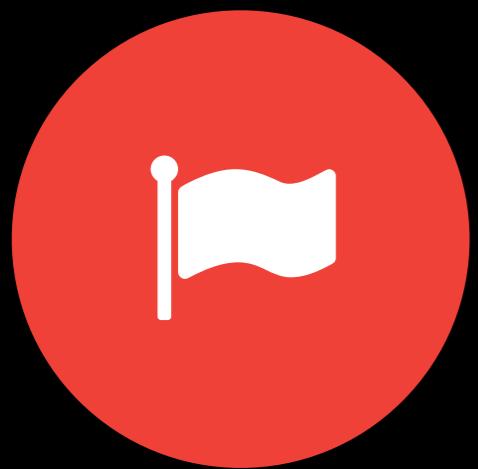
FOUR PILLARS IN DRUPAL 8



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

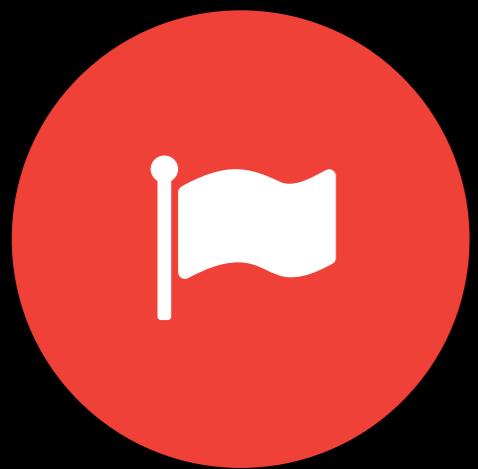
Interface translation has built-in update feature, improved usability.



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.

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE



CONTENT



CONFIG

DEALING WITH LANGUAGE

\Drupal\languageManager()



LanguageManager

DEALING WITH LANGUAGE

\Drupal\languageManager()



WITH LANGUAGE
MODULE ENABLED

ConfigurableLanguageManager

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

EN: ENGLISH (DEFAULT)

ZXX: NOT APPLICABLE

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

ZXX: NOT APPLICABLE

HU: HUNGARIAN

IT: ITALIAN

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

HU: HUNGARIAN

ZXX: NOT APPLICABLE

IT: ITALIAN

language.entity.\$langcode.yml

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

ZXX: NOT APPLICABLE

HU: HUNGARIAN

IT: ITALIAN



Locked

language.entity.\$langcode.yml

DEALING WITH LANGUAGE

->getLanguages()

UND: NOT SPECIFIED

ZXX: NOT APPLICABLE

HU: HUNGARIAN

IT: ITALIAN



Locked



Not locked

language.entity.\$langcode.yml

DEALING WITH LANGUAGE

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

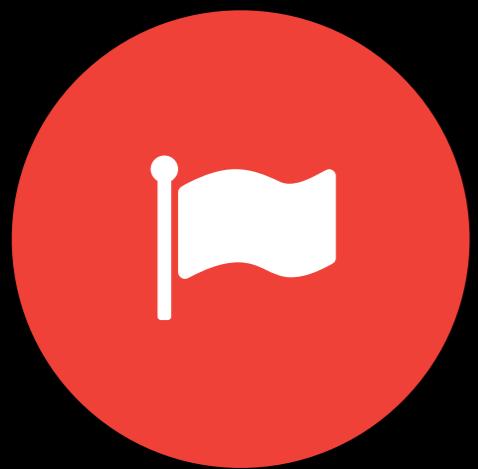
DEALING WITH LANGUAGE

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

DEALING WITH LANGUAGE

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

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE



CONTENT



CONFIG

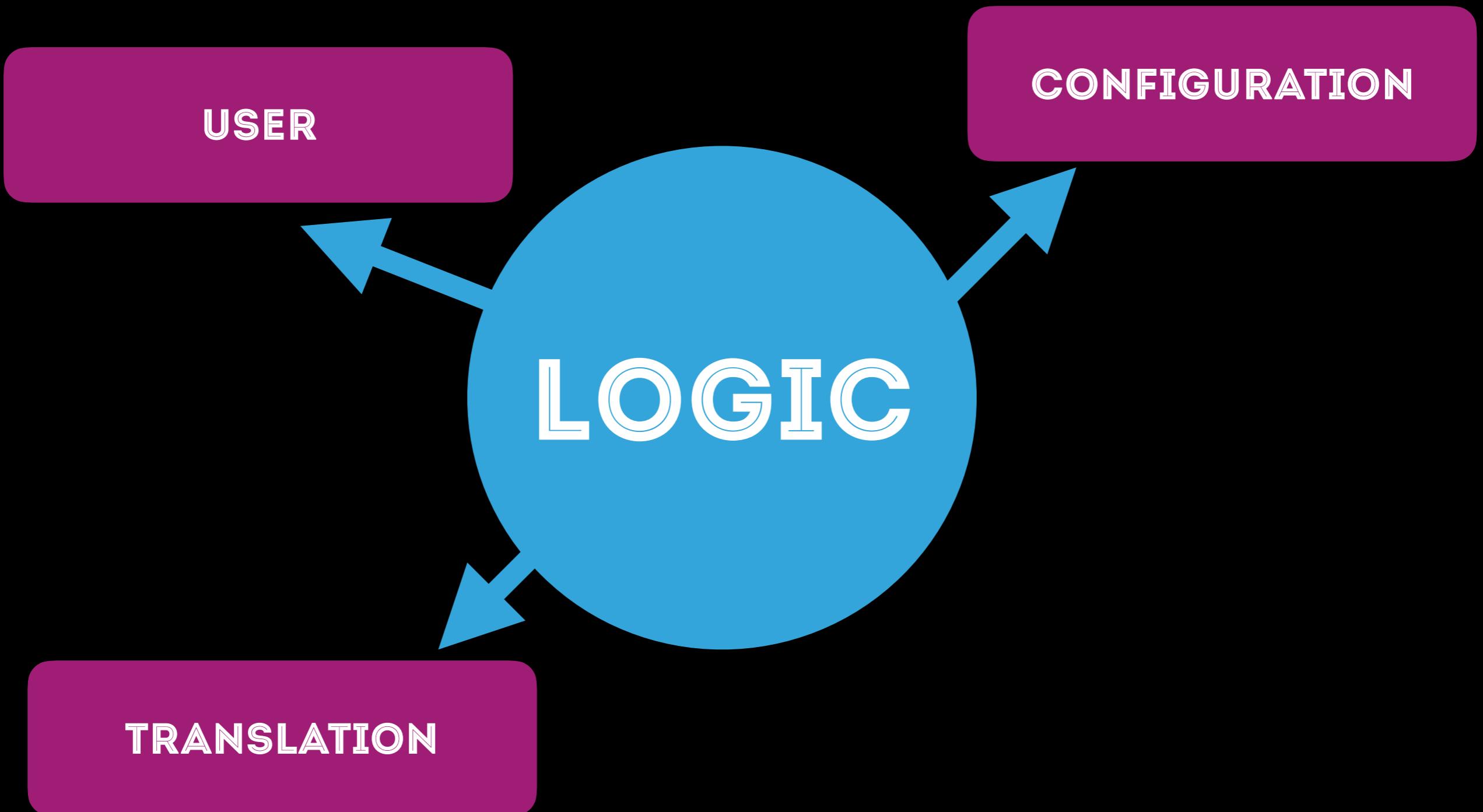
INTERFACE LANGUAGE

INTERFACE LANGUAGE

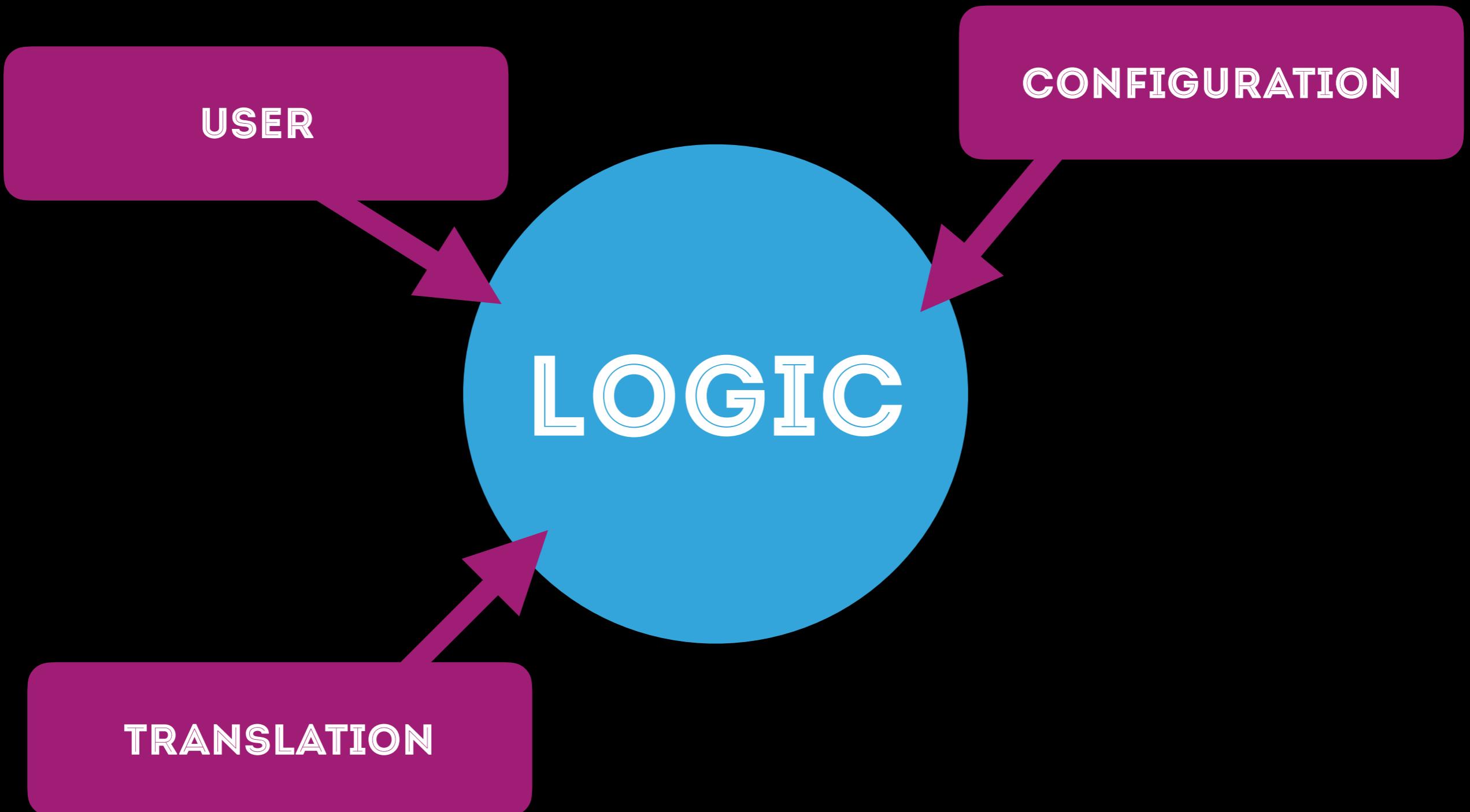
t('English text')

INTERFACE LANGUAGE

DEPENDENCY INJECTION



DEPENDENCY INJECTION



INTERFACE LANGUAGE

t('English text')

INTERFACE LANGUAGE

`t('English text')`

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

INTERFACE LANGUAGE

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

INTERFACE LANGUAGE

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>
```

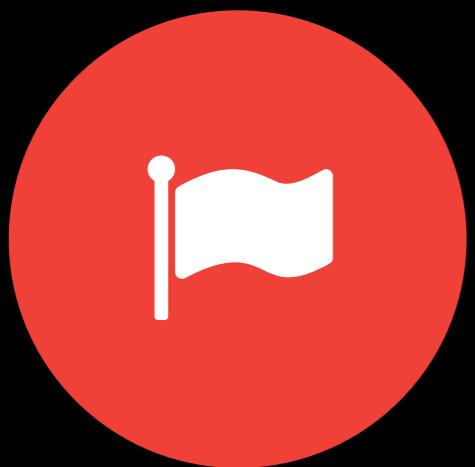
LOCALE.LINKS.MENU.YML

```
locale.translate_page:  
  title: 'User interface translation'  
  description: 'Configure the import ...'  
  route_name: locale.translate_page  
  parent: system.admin_configRegional  
  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_configRegional  
  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



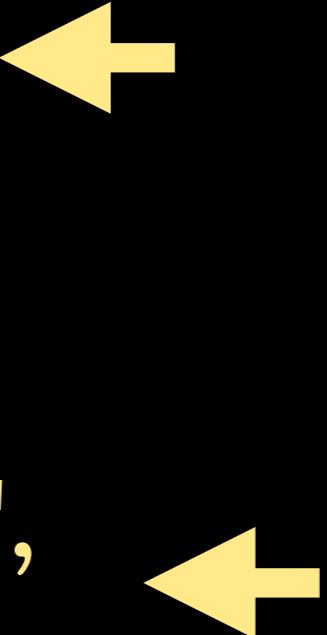
CONTENT



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",
 *   }
 * )
```



CONTENTENTITYBASE.PHP (SNIPPET)

```
function baseFieldDefinitions($entity_type) {  
  // ...  
  if ($entity_type->hasKey('langcode')) {  
    $fields[$entity_type->getKey('langcode')] =  
      BaseFieldDefinition::create('language')  
        ->setLabel(new TranslatableMarkup('Language'))  
        ->setDisplayOptions('view', [  
          'type' => 'hidden',  
        ])  
  }  
}  
}
```

NODE.PHP (SNIPPET)

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

FIELDS THEMSELVES

FIELDS THEMSELVES

AUTOMATED!

MULTICOLUMN FIELD SNIPPET

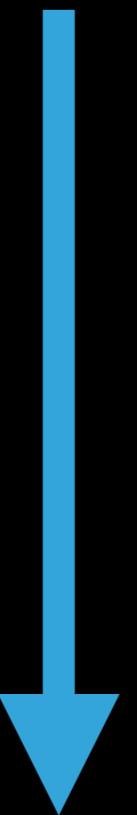
```
* @FieldType(  
*   id = "image",  
*   column_groups = { ←  
*     "file" = {  
*       "label" = @Translation("File"),  
*       "columns" = {  
*         "target_id", "width", "height"  
*       },  
*     },  
*     "alt" = {  
*       "label" = @Translation("Alt"),  
*       "translatable" =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

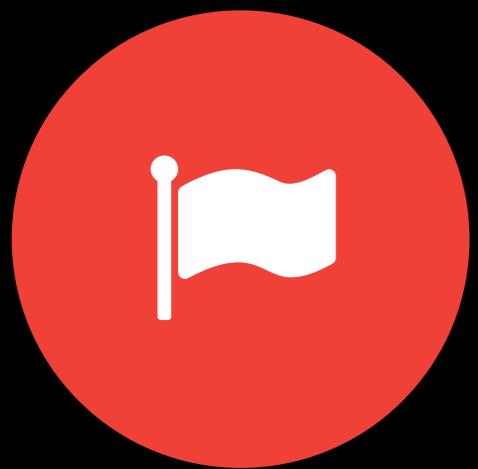
VIEWS ALL THE THINGS

TITLE Title: None	PAGE SETTINGS Path: /node Menu: No menu Access: Permission View published content
FORMAT Format: Unformatted list Settings Show: Content Teaser	HEADER Add FOOTER Add NO RESULTS BEHAVIOR Add ▾ Global: Unfiltered text (Global: Unfiltered text) Content: Empty Node Frontpage behavior (Content: Empty Node Frontpage behavior) Global: Title override (Global: Title override)
FIELDS The selected style or row format does not use fields.	PAGER Use pager: Full Paged, 10 items More link: No
FILTER CRITERIA Content: Promoted to front page (Yes) Content: Publishing status (Yes) Content: Translation language (= Content language selected for page)	LANGUAGE Rendering Language: Content language of view row
SORT CRITERIA Content: Sticky at top of lists (desc) Content: Authored on (desc)	

The query → **Content: Translation language (= Content language selected for page)**

The rendering → **Rendering Language: Content language of view row**

FOUR PILLARS IN DRUPAL 8



LANGUAGE



INTERFACE

English to X



CONTENT

X to Y



CONFIG

Intelligent
objects

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:  
  type: config_object  
  label: 'Maintenance mode'  
  mapping:  
    message:  
      type: text  
      label: 'Message to display...'
```

LANGCODE

TRANSLATABLE
STRING

SYSTEM.MAINTENANCE.YML

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

langcode: en

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

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...'

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

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

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

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



CONFIG

Intelligent
objects

X to Y
Dumb
arrays

-enzo- 1ethylotest 5ven 12345678912345678 a.ross a1russell aaronaverill aaronott ACF achton acrollet 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 **alexpot** 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 arianek aries arkestra arlinsandbulte Aron Novak aroq arpitr ars- Arskainen 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 bensemml Berdir beretta627 BeyersdorferTJ bforchhammer bfroehle biro.botond bisonbleu bjaspan blackdog bleen18 blueminds BMDan Bodo Maass bojanz Bojan Bojan.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 callandra 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 chrishtks chrisjlee Chris Luckhardt chrispomeroy 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** crisiatico 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 danigrrl 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 dcmetry dcmyouard 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 dougreen 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 dvineglia dwy 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 emanuelriggetto emarchak emma.maria ejithebrave epari.siva er.pushpinderrana ericdurran ericski Eric_A ershow.andrey esbenvb eshta estoyausente eugeniesia 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 gauravkhambala gausarts gbentley geerlingguy geertvd generalredneck geoffreyr george.echim Georgii Gerhard Killesreiter giorgio79 GiorgosK gloob gnndl 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 hairqles Hanno hansfn haripalrao harrrrrr harry99 hass hatcat Haza hbblogger hchonov heather heddn hefox Heine hejazee 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 iMiku indytechcook InternetDevels intuted 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 jamicoder jaredsmith javisr jayboodhun JayMN Jaypan Jaza jbrown jcisio jcventure jdanthinne jeanfei Jeff Burnz Jeffrey C. jefkin Jelle_S jeni_dc jenlampton jepSter jerdavis jerdnas Jeroen JeroenT jesperjb jessebeach jessehs jgSnell **jhedstrom** jherencia **jhodgdon** jibran jimyhuang JirkaRybka jiv_e jjcarriion jbellido jlscott jmauro8ac jmesam jmmarquez jmoliwas jnicola joachim joates Jody Lynn joelpittet joewatkins joginderpc johanj 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 kattekrob kbasarab kbentham KCarlile kcouch keith.smith keopx kerby70 kerrymick kevee Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killies@www.drop.org killua99 kim.pepper Kiphaas7 kiwad klausj klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneinde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthalier larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson laurii 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 lixivhp lmeurs loganfsmyth

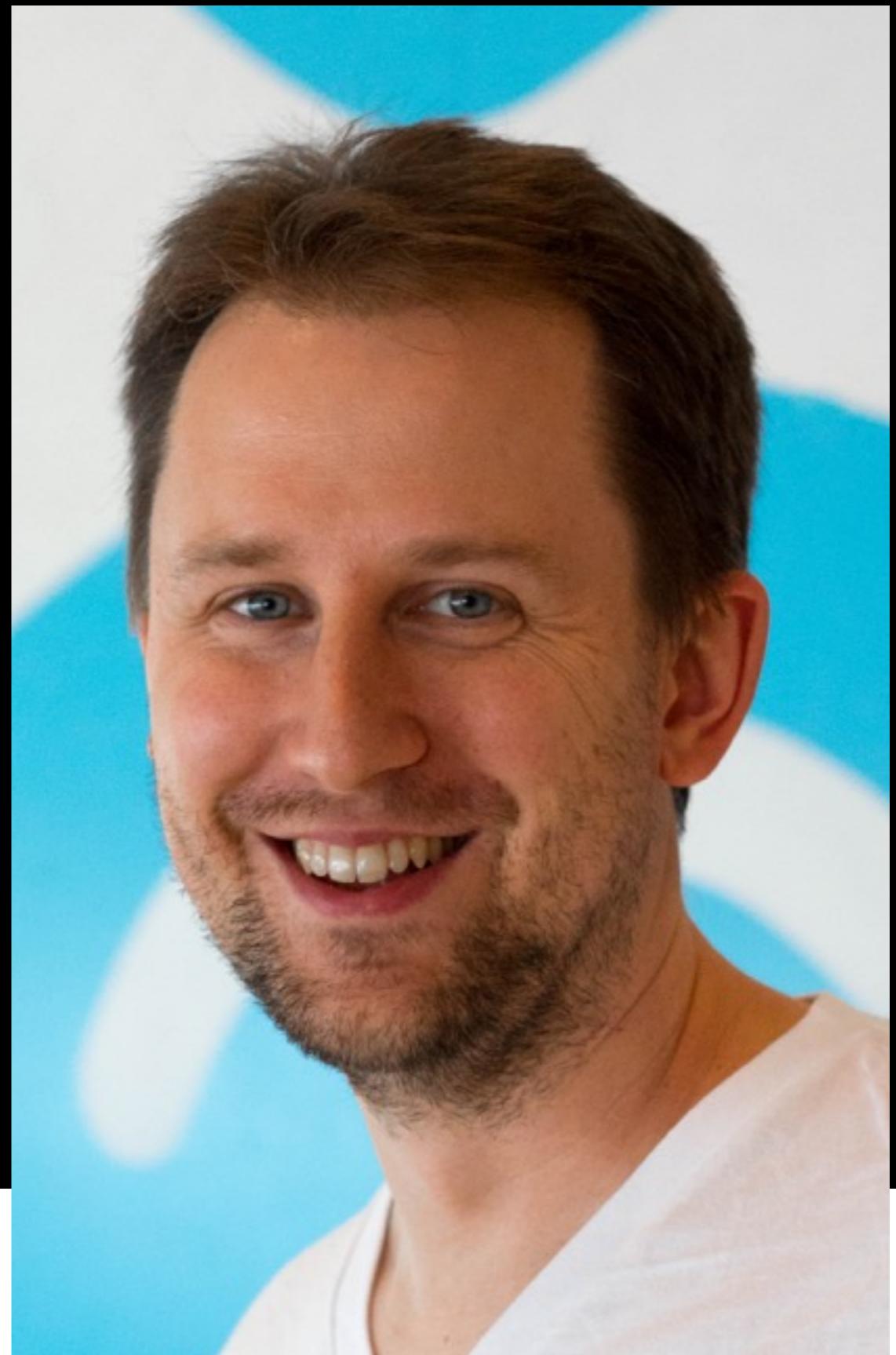
keopx kerby70 kerrymick keeve Kevin Morse keyral kfritsche kgoel kholloway kid_icarus kika kiliweb killerpoke killua99 kim.pepper Kiphaas7 kiwad klausie klonos kmharrell knalstaaf kompressaur Konstantin Komelin KRaisor kreatIL KrisBulman Kristen Pol kristiaanvandeneerde kristink2 krlucas kscheirer ksenzee kurt.iverson lahoosascoots lambic langworthy lanthaler larowlan LarsKramer larsmw Lars Toomre LAsan laura.johnson laurii lazyoundsystem LeeHunter leenwebb leeotzu Leeteq legaudinier legolasbo Leksat Lendude leonrenkema leschekfm Les Lim Letharion LewisNyman Ihangea Liam McDermott Liam Morland likin lilou linclark LinL liquidcms lisarex LittleViking litwol lixiphp lmeurs loganfsmyth lokapujya lokeoke LoMo lonelyrobot longwave lostkangaroo lotyrin LoveCharge lpalgarvio 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** marthinal martin107 Martin Mayer martin_q maryedith mas0h mashermike matason MathieuSpil **matsbla** matt2000 MattDanger mattyoung matulis Maune mauzeh mavimo maxchock **maxocub** maxterner23 maxtorete **mbrett5062** mbyrnes mcarbone 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 mmatsu mmilano moe4715 mondrike mon_franco mooffie mortendk moshe weitzman mparker17 **mpdonadio** mpg mr.baileys mr.york mradcliffe 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 nikhilsrani nikkubhai Niklas Fiekas niko- NITEMAN Nitesh Sethia nkschaefer **nligo** nod_Noel_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 pameela Pancho Paracetamol parasite ParisLiakos parthipanramesh Pasqualle patrickd Patrick Storey paularmand Paul Broon paulmckibben pbland pbuyle pcambra pdenooijer pdrale Pedro Lozano pedrop pefferen **penyaskito** pepperstreet Pere Orga perusio peximo pflame pfrenssen pguillard phiit philbar philipnorton42 philipz phillamb168 PieterJanPut pillarsdotnet pinges Pinolo pixelite pixelwhip piyuesh23 pjbaert pjonckiere pkiraly **plach** Plascual ploesc 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 RachFriece 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 rhabachi ricardoamaro rickmanelius rickvug rkja rkiller rli rlumford **robertdballey** 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 saravanann971 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 skipyT skwashd skyredwang slashrsm slowflyer smiletr1 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 tlafon thomas4019 thomastorfs Thomas_Zahreddin ti2m tim-e **tim.plunkett** Tim Bozeman timmillwood timofey tinker tinyrobot tkoleary tky tloudon 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 voxelli vuzzbox vyasamit2007 vzblik wadmiraal walkah wamilton weakqueen99 webchick webflo webkenny webmozart webwarrior westie WigglyKoala wilco WilliamB willieseabrook willyk wilsonw **Wim Leers** wjaspers wmortada wmostrey wojtha wooody 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

GÁBOR HOJTSY

Gábor Hojtsy

Drupal 8 Multilingual
Initiative lead

Acquia
THINK AHEAD.





JOIN US FOR CONTRIBUTION SPRINTS

First Time Sprinter Workshop - 9:00-12:00 - Room Wicklow2A

Mentored Core Sprint - 9:00-18:00 - Wicklow Hall 2B

General Sprints - 9:00 - 18:00 - Wicklow Hall 2A



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



WHAT DID YOU THINK?

Evaluate This Session

events.drupal.org/dublin2016/schedule

THANK YOU!