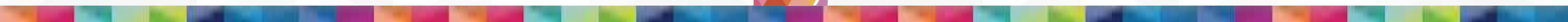




DrupalCon
AMSTERDAM 2019
OCTOBER 28-31





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Configuration Management Initiative 2.0

updates



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Distributed team in Italy, Belgium and Czech Republic

International Organisations & Institutions

Fast delivery: Several developers working simultaneously on the same project, automated tests, frequent configuration changes

⇒ Need safe workflow

Pioneers with configuration management

Session Outline

- Introduction
- very brief history (ask me later for more)
- CMI 2 focus points
- Achievements in Drupal 8.8
- Open issues for Drupal 8
- Future plans for Drupal 9
- Best practices
- Get involved

Configuration Management Initiative signature improvement in Drupal 8

Declarative configuration

Workflow for most common need:

Only for staging and deploying of configuration of the same site, as is, without modification.

Let contrib figure out how to solve other challenges.

CMI 2

Focus areas

all of them need help

- Documentation
 - Users: How to use the tools
 - Developers: How to extend and use the API
- Environment specific configuration
 - Extending currently supported workflow
- Cross site configuration workflows
 - Distributions / Drupal as a product [#3004662](#)

CMI 2.0 organisation

Alex Pott (alexpott)

Fabian Bircher (bircher)

bi-weekly meeting at 17:00 CET (~11:00 EST) on Slack #config

<https://www.drupal.org/project/cmi2>



Achievements Drupal 8.8.0

Install from existing configuration

[\[#2897299\]](#)

- Define config/sync in settings.php, option to install via config
- A config/sync folder within a custom profile
- `drush site:install --existing-config`

Only one configuration directory

[\[#3018145\]](#)

```
$settings['config_sync_directory']
```

- No stable Drupal 8 version ever supported more than one key
- Array suggests more than one and inspires un-necessary workflows

Export API

[\[#3037022\]](#)

- Export the configuration by reading from the export storage

```
/** @var \Drupal\Core\Config\StorageInterface $source */  
$source = \Drupal::service('config.storage.export');
```

Config Storage Transformation API

[\[#3066005\]](#)

- Event dispatched when exporting config
- Event dispatched when importing config
- Events allow manipulating the configuration just before it is used.

Exclude modules from config synchronisation

[\[#3079028\]](#)

- As `drush --skip-modules` did
- Meant for development modules
- Do not use with language, field, user, system etc
- You have been warned!

```
$settings['config_exclude_modules'] = ['devel', 'stage_file_proxy'];
```



“

Thank you!

”

to contributors to CMI 2



Help needed

Installing from config*

Still outstanding: Profiles with hook_install

Small steps with incremental improvements to keep complexity at bay.

Help out: [#2982052](#)

Still for Drupal 8

Ensure that ConfigImport is taking place without outstanding updates

Improve API for creating/updating configuration

Disallow saving config entities with applied configuration overrides

Add constraints to all config entity types

There is no indication on config forms if there are overridden values

Config Environment

postponed, not cancelled

- Managing environment specific config
- New edge cases possible, need to iron out all wrinkles
- Realistically only Drupal 9
- Focus on upgrading contrib in the meantime



Best Practices

Contrib solutions

- Use new API
- Help port config_* modules to new API (consolidate when possible)
- config_split for environments (one split per environment)

Distributions

1. come together
2. join the initiative
3. find consensus around workflow

New API is for config synchronisation, not maintaining distributions.

Config Distro has new core API for distributions.*

Multisite

A word about multisite

- Treat a multisite as you would a distribution.
- Shared code, share “some” of the configuration?
- Is the configuration synchronization a good fit for your workflow?
 - Do you have a staging environment for each instance?
 - Do you develop on a master instance? switch locally between instances?



“

Join the conversation

”

CMI 2 needs you

Join us for contribution opportunities

Thursday, October 31, 2019

Mentored Contribution

9:00-18:00
Room: Europe Foyer 2

First Time Contributor Workshop

9:00-14:00
Room: Diamond Lounge

General Contribution

9:00-18:00
Room: Europe Foyer 2

#DrupalContributions

What did you think?

Locate this session at the DrupalCon Amsterdam website:

<https://drupal.kuoni-congress.info/2019/program/>

Take the Survey!

<https://www.surveymonkey.com/r/DrupalConAmsterdam>

Thank you!