

Features VS CMI - The battle for Drupal 8



atithi devo bhava

By - Neetu Morwani



Acquia®
THINK AHEAD

LEARNING IS ESSENTIAL



DOWN THE LINE ...

- 1. What is CMI?**
- 2. Need of CM(Configuration Management)**
- 3. Key aspect of CMI**
- 4. Features module**
- 5. Enhancements made in features module in Drupal 8**
- 6. Differences**

CMI

Configuration Management Initiative



CONSISTENCY

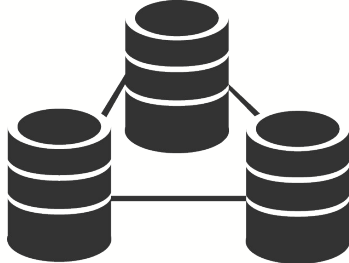
Single Approach for Configuration - Storage of Configuration as YAML Files

CMI in Drupal 8

Exporting the configuration to the file system as YAML file

Ex: core/modules/image/config/image.style.large.yml

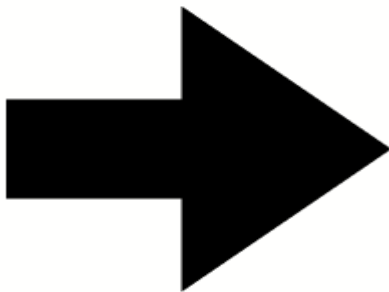
```
name: large
label: 'Large (480x480)'
effects:
  ddd73aa7-4bd6-4c85-b600-bdf2b1628d1d:
    id: image_scale
    data:
      width: '480'
      height: '480'
      upscale: '1'
      weight: '0'
    uuid: ddd73aa7-4bd6-4c85-b600-bdf2b1628d1d
  langcode: en
```



+ Instillinger

	name	The name of the variable.	value	The value of the variable.
<input type="checkbox"/>		clean_url		[BLOB - 8B]
<input type="checkbox"/>		cron_key		[BLOB - 51B]
<input type="checkbox"/>		cron_last		[BLOB - 13B]
<input type="checkbox"/>		css_js_query_string		[BLOB - 13B]
<input type="checkbox"/>		date_default_timezone		[BLOB - 19B]
<input type="checkbox"/>		drupal_private_key		[BLOB - 51B]
<input type="checkbox"/>		file_temporary_path		[BLOB - 11B]
<input type="checkbox"/>		filter_fallback_format		[BLOB - 18B]
<input type="checkbox"/>		install_profile		[BLOB - 14B]
<input type="checkbox"/>		install_task		[BLOB - 11B]
<input type="checkbox"/>		install_time		[BLOB - 13B]
<input type="checkbox"/>		path_alias_whitelist		[BLOB - 6B]
<input type="checkbox"/>		site_default_country		[BLOB - 9B]
<input type="checkbox"/>		site_mail		[BLOB - 26B]
<input type="checkbox"/>		site_name		[BLOB - 26B]
<input type="checkbox"/>		theme_default		[BLOB - 13B]
<input type="checkbox"/>		update_notify_emails		[BLOB - 37B]
<input type="checkbox"/>		user_register		[BLOB - 4B]

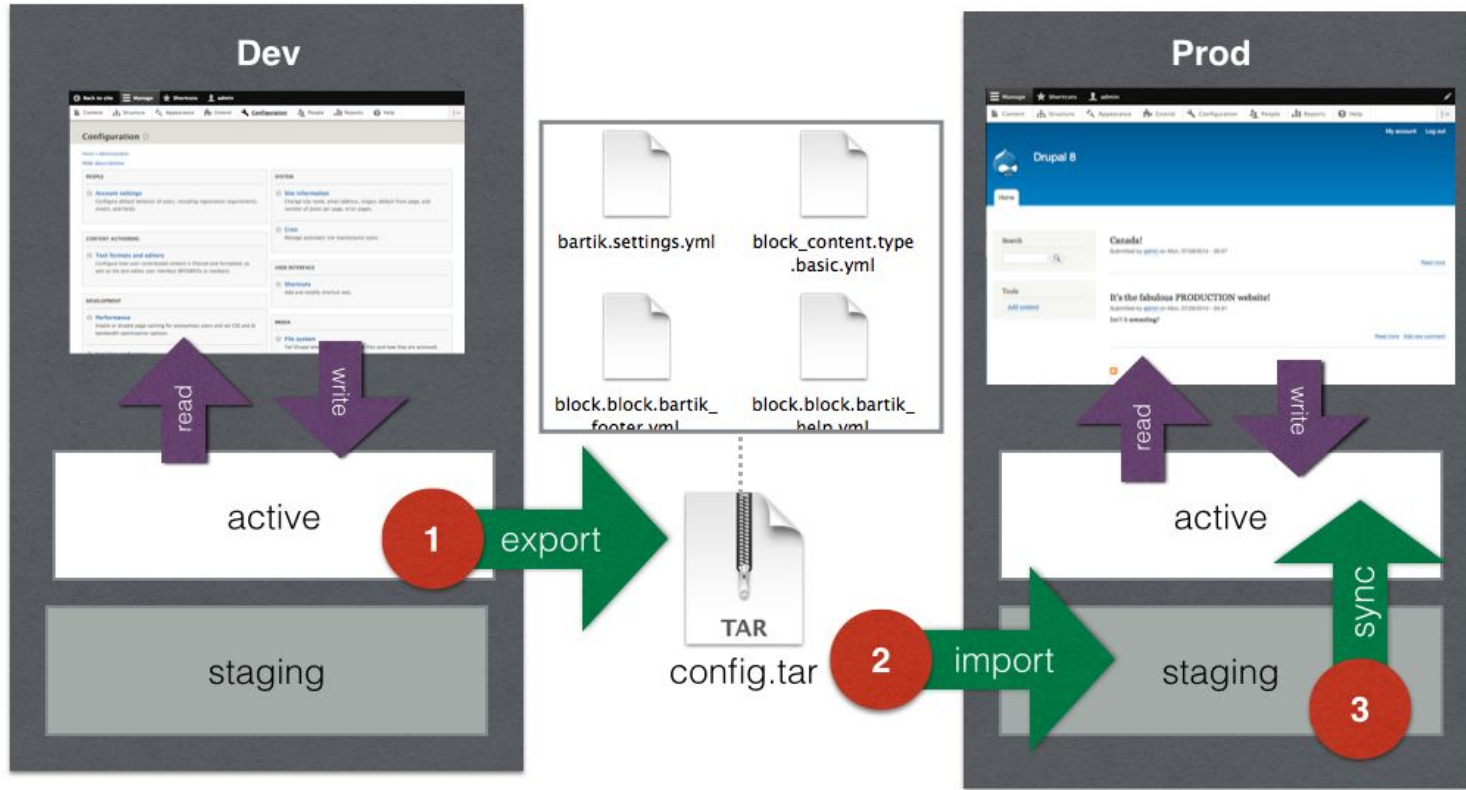
↑ Mark alle / Fiam marlinn Mark adressen!



YAML



Better Staging Of Configuration

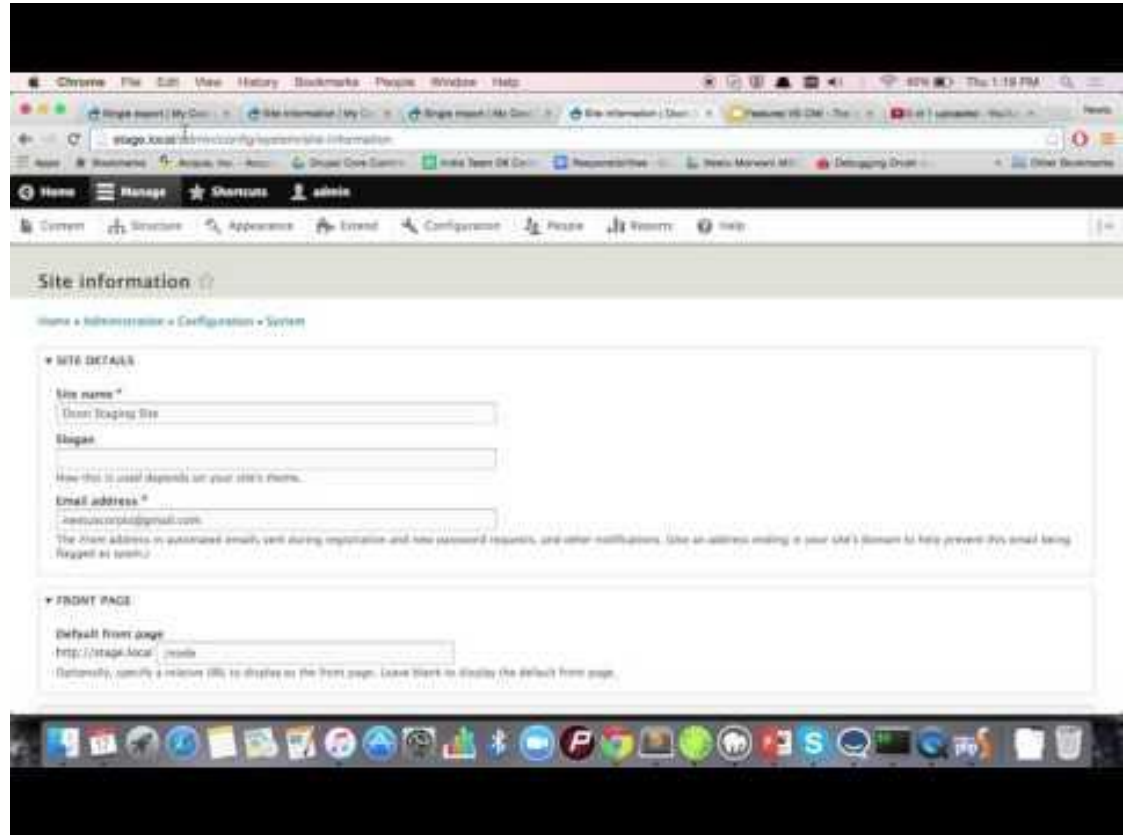


Working of Configuration Management

**Config directory =
'sites/default/sync';**



Learn while you see



EXPORT

Export ☆

Synchronize

Import

Export

Inspect

Full archive

Single item

[Home](#) » [Administration](#) » [Configuration](#) » [Development](#) » [Synchronize](#)

Export and download the full configuration of this site as a gzipped tar file.

Export

IMPORT

Import ☆

Synchronize

Import

Export

Inspect

Full archive

Single item

[Home](#) » [Administration](#) » [Configuration](#) » [Development](#) » [Synchronize](#)

Upload a full site configuration archive to the sync directory. It can then be compared and imported on the Synchronize page.

Configuration archive

Choose File

No file chosen

Allowed types: tar.gz tgz tar.bz2.

Upload

SYNCHRONIZE

Synchronize

[Synchronize](#)[Import](#)[Export](#)[Inspect](#)

[Home](#) » [Administration](#) » [Configuration](#) » [Development](#)

Compare the configuration uploaded to your sync directory with the active configuration before c

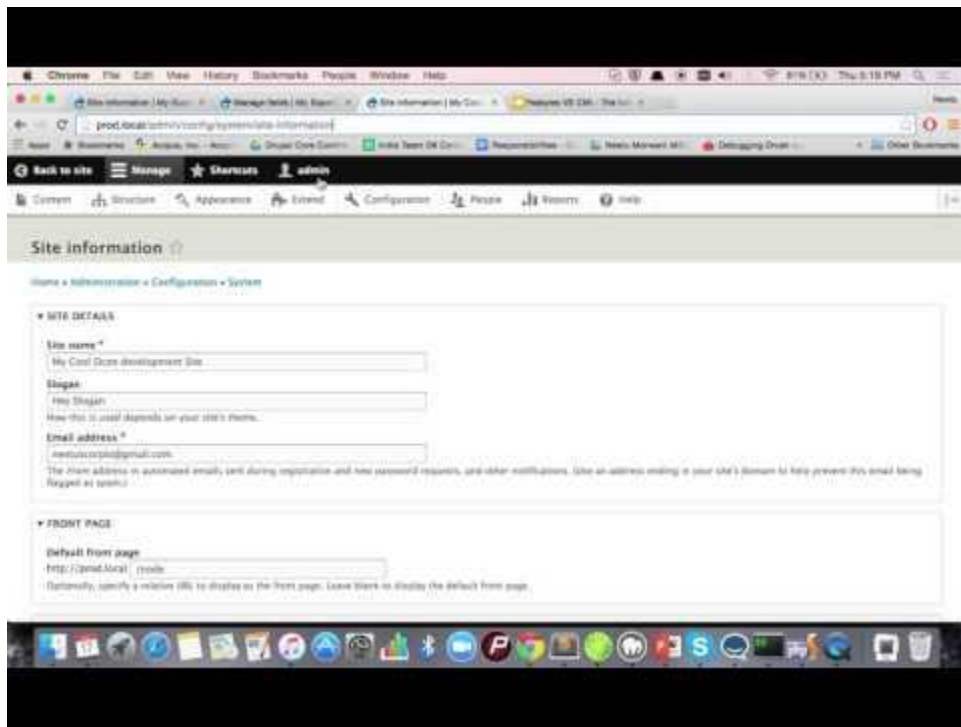
NAME	OPERATIONS
There are no configuration changes to import.	

Limitation of CM :

```
if (Dest site UUID == Source site UUID) {  
    CMI success! :)  
}  
else {  
    CMI fails! :(  
}
```



Drush Support :



drush config-export
drush config-import





Thank
you

?

FEATURES

FEATURES IN DRUPAL 8:



FEATURES

Was Features developed
for deployments?

It was designed for

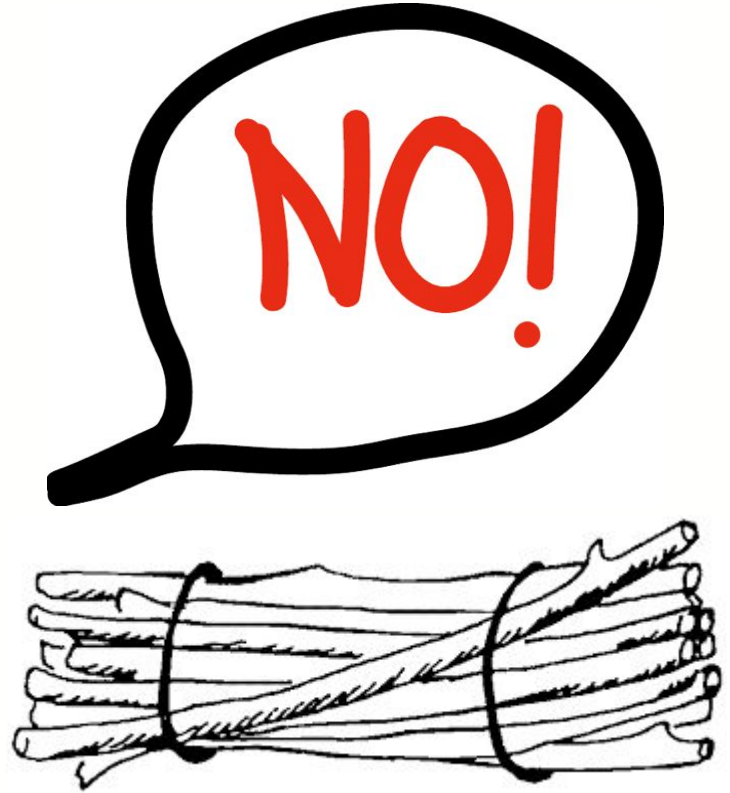
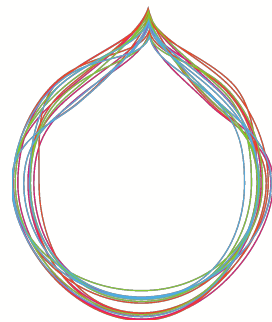


Photo Gallery Feature -

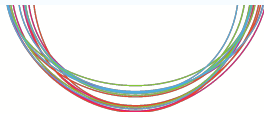


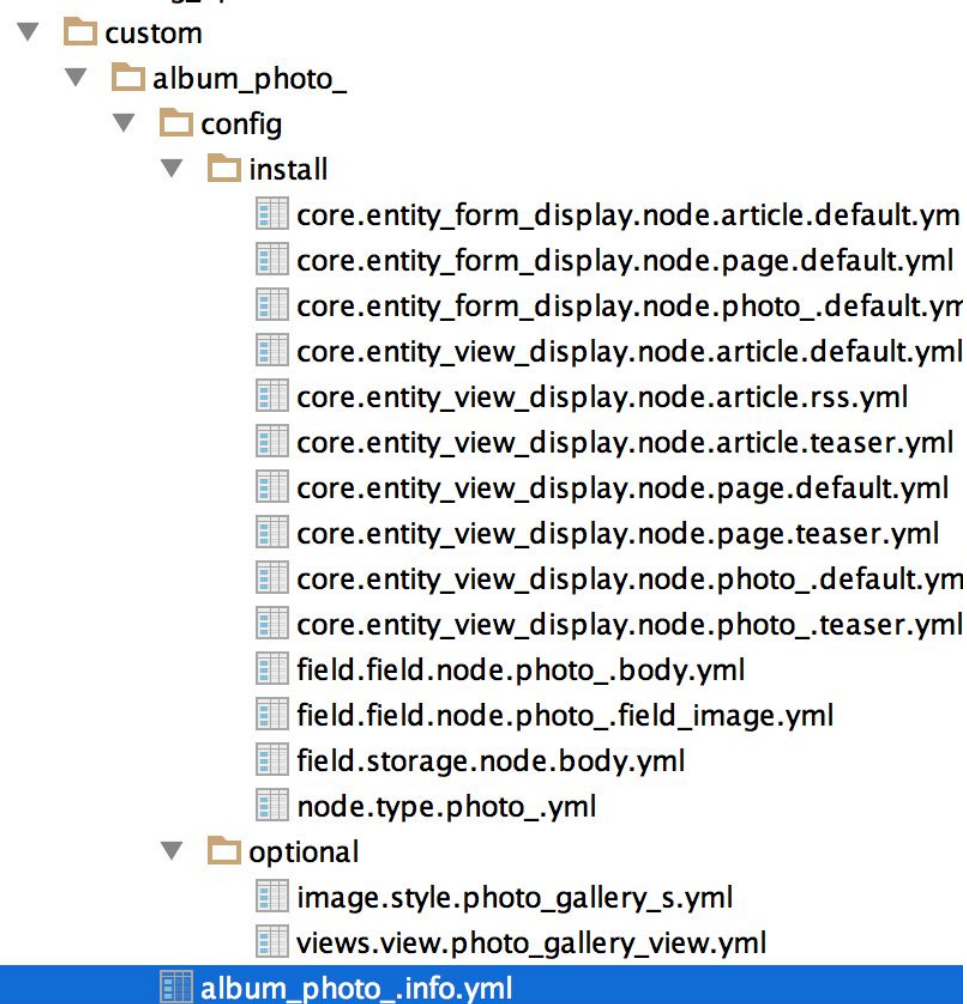
Enhancements in Drupal 8 FEATURES

1. Configuration for **Auto-creating** features
2. Bundles
3. Namespaces
4. Production/Stage site need not have the features module.
5. Modular UI



<input type="checkbox"/>	FEATURE		DESCRIPTION	VERSION	STATUS	STATE
<input type="checkbox"/>	Album Photo	album_photo_	<div>Provide Photo content type and related configuration.</div> <div>▼ Included configuration</div> <div><div>Content type</div><div>Photo</div></div> <div><div>Dependencies</div><div>Image</div><div>Menu UI</div><div>Node</div><div>Path</div><div>Text</div><div>User</div></div> <div><div>Entity form display</div><div>node.photo_.default</div><div>node.article.default</div><div>node.page.default</div></div> <div><div>Entity view display</div><div>node.photo_.teaser</div><div>node.photo_.default</div><div>node.article.default</div><div>node.article.rss</div><div>node.article.teaser</div><div>node.page.default</div><div>node.page.teaser</div></div> <div><div>Field</div><div>Image</div><div>Body</div></div> <div><div>Field storage</div><div>node.body</div></div> <div><div>Image style</div><div>Photo gallery style</div></div> <div><div>View</div><div>Photo Gallery view</div></div>		Enabled	Conflicts





```
1 name: 'Album Photo'
2 description: 'Provide Photo content type and related configuration. '
3 type: module
4 core: 8.x
5 dependencies:
6   - comment
7   - image
8   - menu_ui
9   - node
10  - path
11  - standard
12  - text
13  - user
14 package: Album
15 features:
16   bundle: album
17 required:
18   - node.type.photo_
19   - field.field.node.photo_.field_image
20   - image.style.photo_gallery_s
21   - views.view.photo_gallery_view
22
```

Functionality	D7 Core	D7 core + Features	D8 Core	D8 Core + Features
Export Full site config (no content)	NO	NO	YES	YES
Export selected config items	NO	YES	YES	YES
Track config changes (Full site)	NO	NO	YES	YES
Track config changes (Selected items)	NO	YES	YES	YES
Stage configuration	NO	YES	YES	YES
Package Configuration	NO	YES	NO	YES
Reuse configuration in other project	NO	YES	NO	YES
Collaborate on the same project	NO	YES	YES	YES

HAPPY END TO THE STORY

Things were
bundled next time :)



Thank You

Email - neetu.morwani@acquia.com

Website - neetumorwani.com

Twitter - [@neetumorwani](https://twitter.com/neetumorwani)

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