

# Config Management and Drupal Distributions: What goes where?

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LA Drupal Camp  
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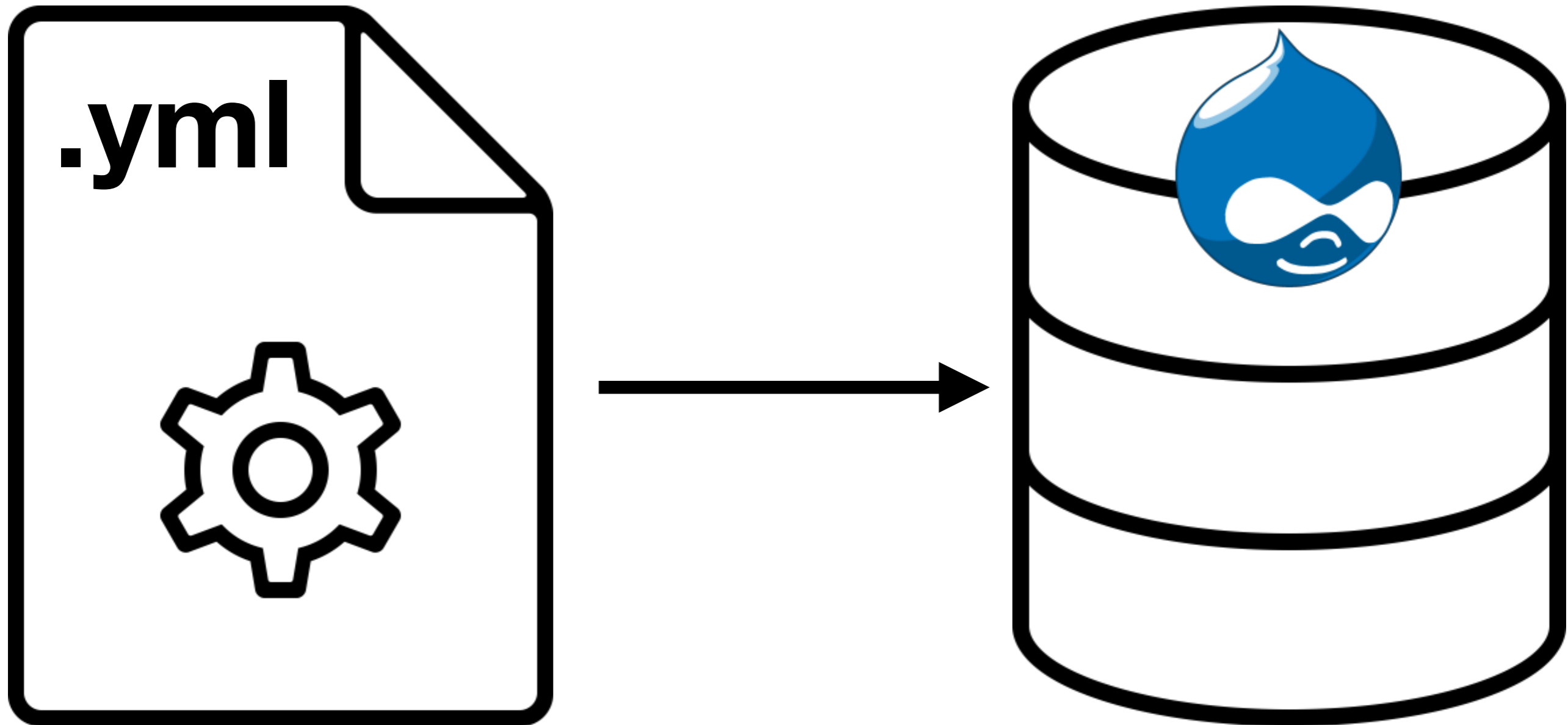
# Agenda

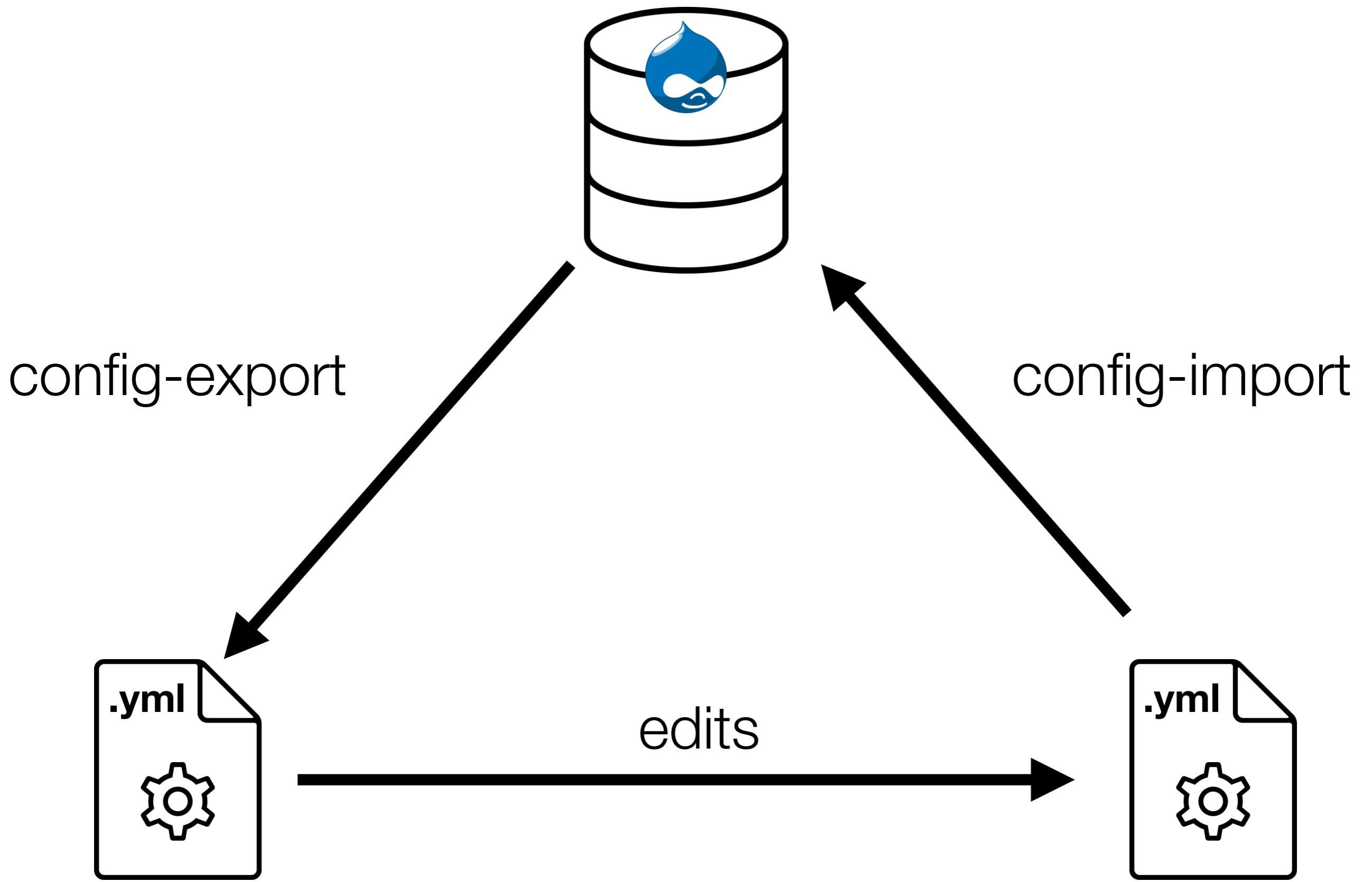
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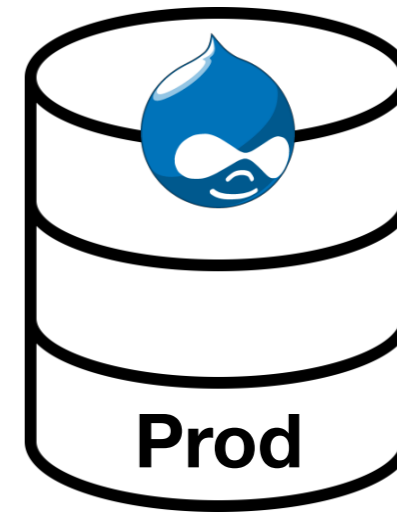
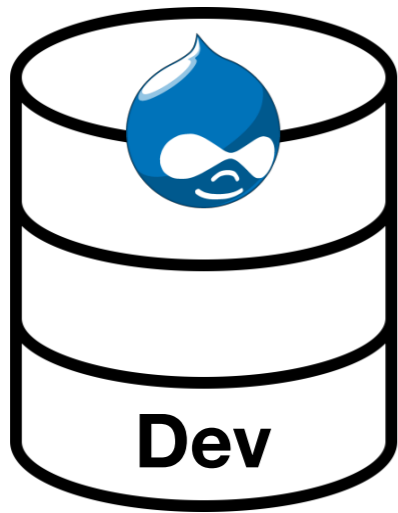
- Configuration Management in Drupal 8
- Single Site vs. Multisite
- Distributions vs. Install Profiles
- Default Configuration vs. Features
- Workflow and Tools
- Q&A

# Drupal 8 Configuration Management

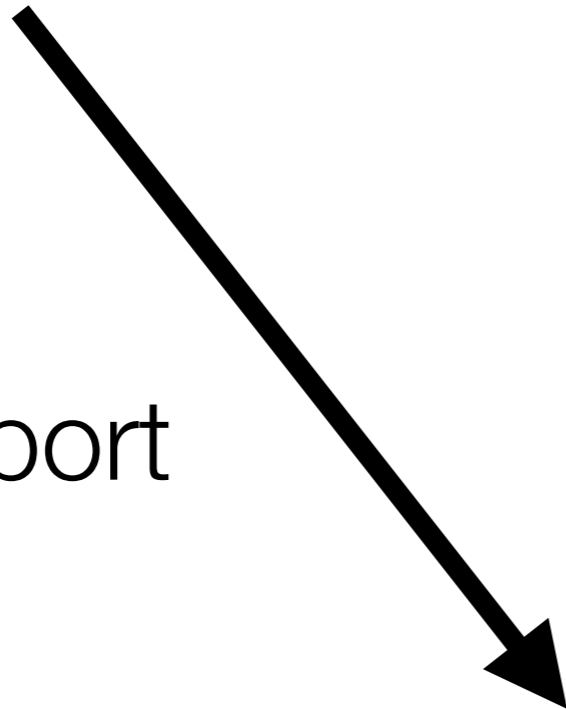
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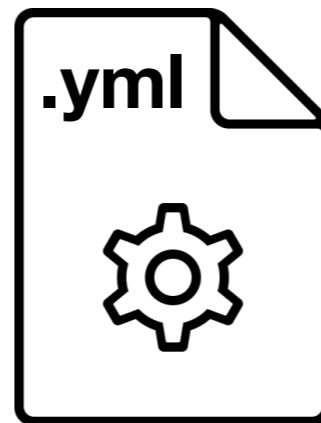
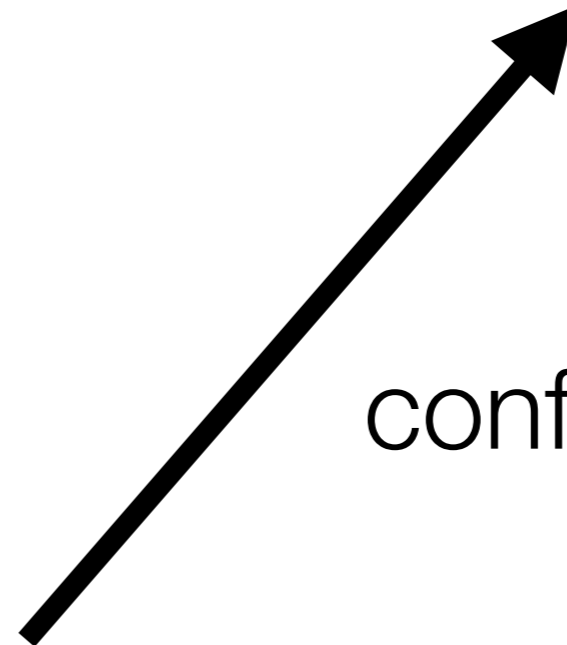




config-export

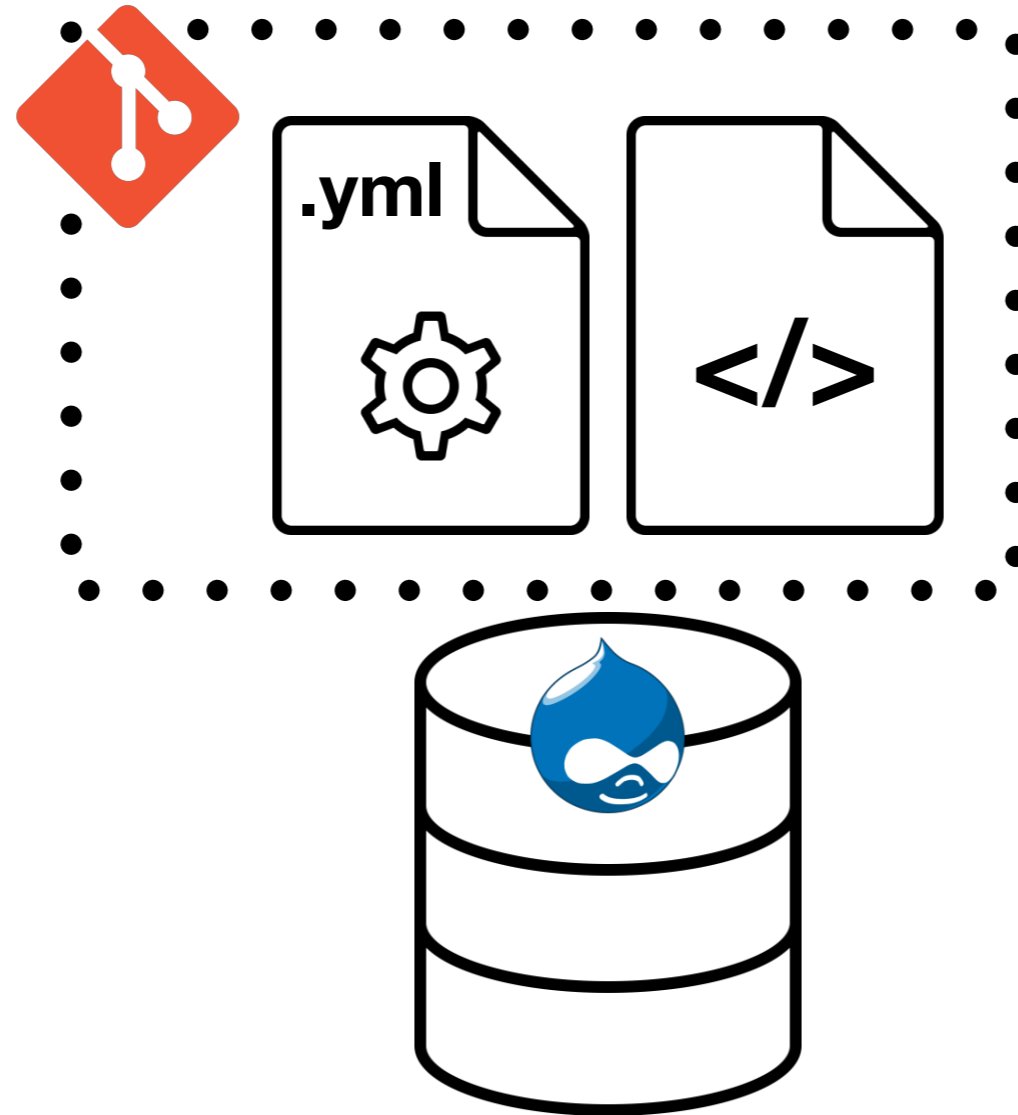


config-import



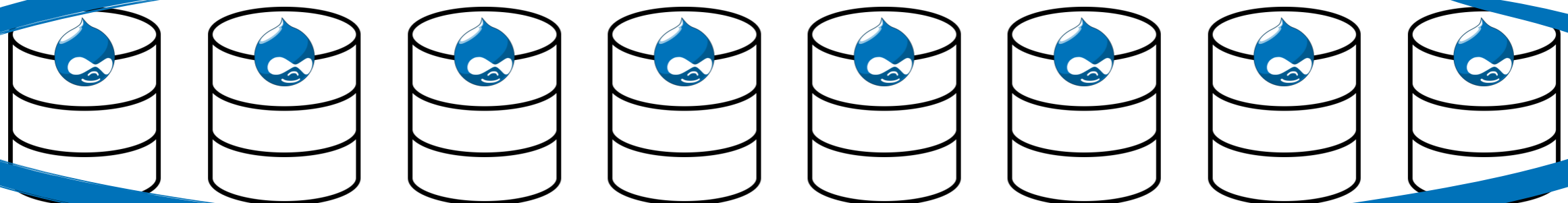
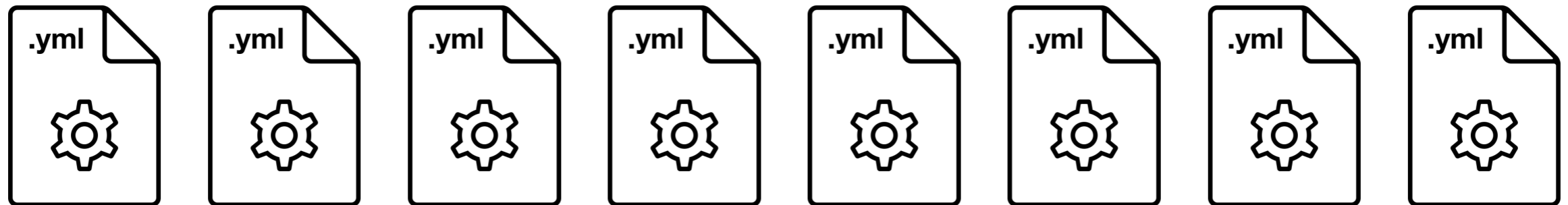
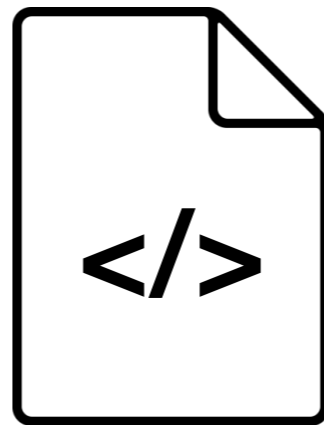
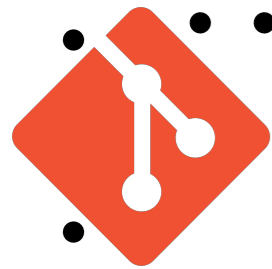
# Single Drupal Site

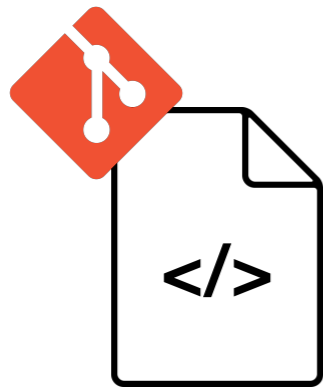
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# Multiple Drupal Sites (distro, multisite, etc.)

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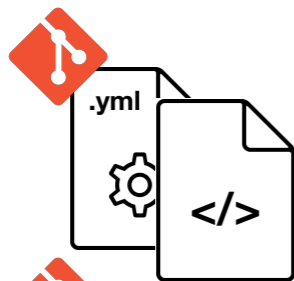




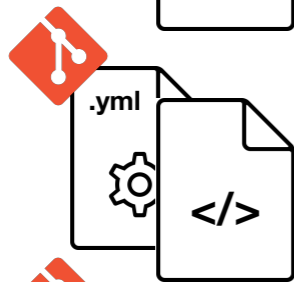
Acquia Cloud  
Site Factory®



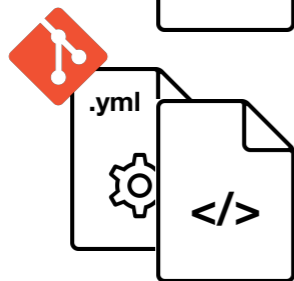
(600x)



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# Install Profile vs. Distribution



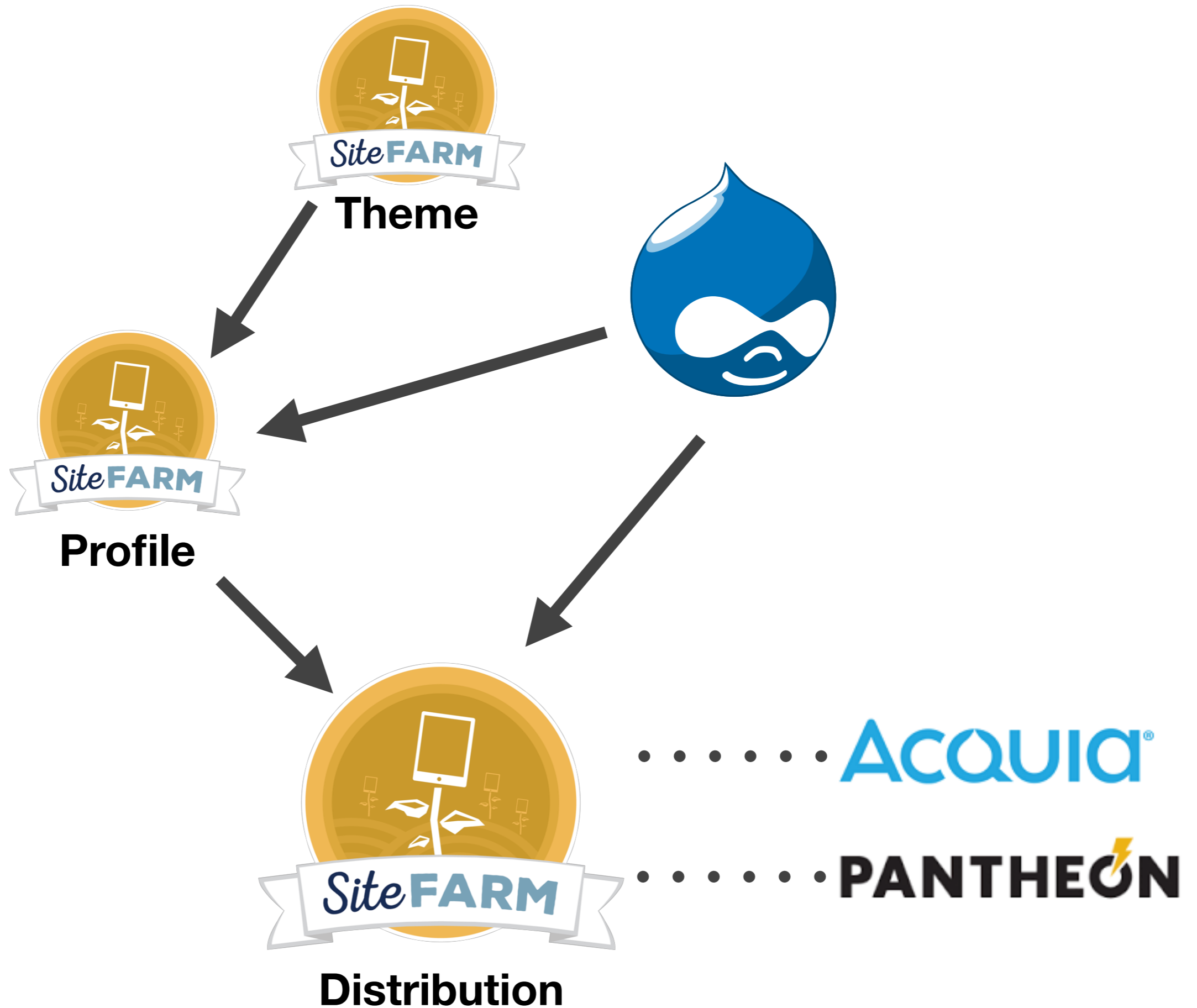
## Install Profile

.....  
/web/profiles/MYPROFILE/\*  
.....  
../MYPROFILE/MYPROFILE.install  
.....  
../MYPROFILE/config/  
.....  
../MYPROFILE/modules/custom/  
.....  
../MYPROFILE/modules/features/  
.....  
.....  
../MYPROFILE/modules/contrib/



## Distribution

.....  
/\*  
.....  
/composer.json  
.....  
/composer.lock  
.....  
/web/  
.....  
/web/modules/contrib/  
.....  
/web/core/



# Where da YAML files at?

---

`../MYPROFILE/config/`

`../MYPROFILE/modules/custom/MYMODULE/config/`

`../MYPROFILE/modules/features/MYFEATURE/config/`

NOTE:

`config/install`

`config/optional`

# Profile Default Configuration

---

**../MYPROFILE/config/**

**\*.settings.yml**

**contact.form.feedback.yml**

**block.block.\*.yml**

**system.theme.yml**

**system.\*.yml**

**user.mail.yml**

**user.role.\*.yml**

**views.view.frontpage.yml**

**core.date\_format.\*.yml**

# Custom Module Default Configuration

---

```
.. /MYPROFILE/modules/custom/MYMODULE/config/
```

```
MYMODULE.settings.yml
```

```
views.view.MYMODULE.yml
```

```
etc...
```

# Revertible Configuration (Features)

---

**.. /MYPROFILE/modules/features/MYFEATURE/config/**

`node.type.*.yml`

`pathauto.pattern.*.yml`

`field.storage.*.yml`

`core.entity_view_display.*.yml`

`field.field.*.yml`

`core.entity_form_display.*.yml`

`block_content.type.*.yml`

`taxonomy.vocabulary.*.yml`

`views.view.*.yml`

# Workflow (add a new field to a content type)

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- Create new field, and configure node form and displays in UI:  
`/admin/structure/types/manage/sf_articles/fields`
- Re-export the Feature, including new field:  
`/admin/config/development/features/edit/sitefarm_article`
- Commit new and updated .yml file(s) to Git:  
`field.field.node.sf_article.field_sf_content_audit.yml`  
`core.entity_form_display.node.sf_article.default.yml`  
`core.entity_view_display.node.sf_article.default.yml`  
`core.entity_view_display.node.sf_article.featured.yml`  
`core.entity_view_display.node.sf_article.listing.yml`  
`core.entity_view_display.node.sf_article.teaser.yml`
- Create a hook\_update function in `sitefarm_article.install`  
`sitefarm_article_update_8107(&$sandbox)`

# hook\_update\_N()

---

```
/**
 * Add content audit field to article content type
 */
function sitefarm_article_update_8107(&$sandbox) {
  /** @var \Drupal\config_update\ConfigReverter $config_revert */
  $config_revert = \Drupal::service('config_update.config_update');

  $config_revert->import('field_config', 'node.sf_article.field_sf_content_audit');
  $config_revert->revert('entity_form_display', 'node.sf_article.default');
  $config_revert->revert('entity_view_display', 'node.sf_article.default');
  $config_revert->revert('entity_view_display', 'node.sf_article.listing');
  $config_revert->revert('entity_view_display', 'node.sf_article.teaser');

  return t('Added the content audit field to existing article content type.');
```



# Tools

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- Configuration Manager (core)
- Features Module (features)
- Configuration Update Manager Module (config\_update)
- Lock Features  
[https://github.com/ucdavis/sitefarm\\_seed/blob/8.x-1.x/docs/sitefarm\\_custom\\_modules.md#lock-sitefarm-features](https://github.com/ucdavis/sitefarm_seed/blob/8.x-1.x/docs/sitefarm_custom_modules.md#lock-sitefarm-features)
- Configuration Read-only mode (config\_readonly)
- Config Ignore Module (config\_ignore)
- Entity Clone Module (entity\_clone)

# Questions?

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