



What's New in Drupal 8

Configuration Management (CMI)



What We're Talking About

- What is configuration management?
- What problems does it solve?
- Changes for end-users and developers
- What you're going to need to learn









What Is Configuration Management?

- Allows configuration to be synchronized between environments
- Provides a consistent API for developers to save and retrieve configuration



Why Configuration Management?

- Content vs. Configuration
- Ability to synchronize configuration between environments
- No consistent way to store configuration in Drupal 7
- It's a best practice, but it's hard to follow



Configuration Management

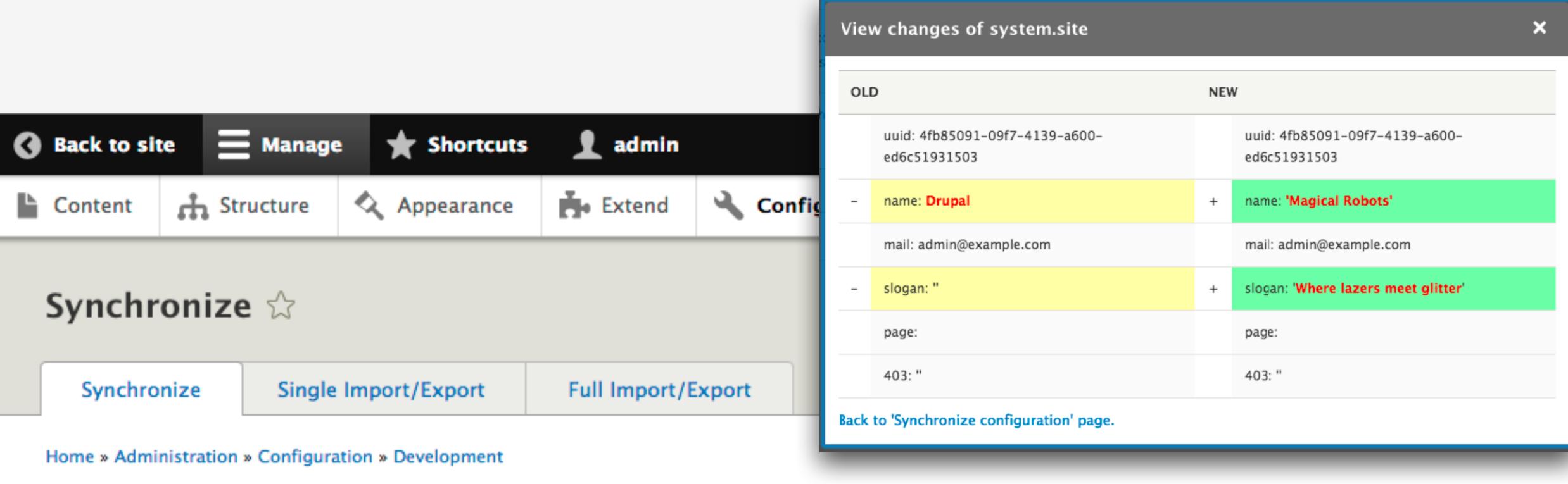
- Look to others for inspiration
- "Simple things should be simple, and complex things should be possible."



CMI for End Users

- Ul for importing, exporting, comparing, and synchronizing configuration
- Drush commands for import, export, compare
- Changes are in VCS; you have a history of changes
- Works with multi-lingual configuration
- Sites own configuration, not modules





Your current configuration has changed. Changes to these configuration items will be lost on the next synchronization:

system.site

Import configuration that is placed in your staging directory. All changes, deletions, renames, and additions are listed below.

1 changed

NAME OPERATIONS

system.site

View differences

CMI for Developers

- Single, unified API for managing configuration
- Default configuration is stored as YAML files
- Simple configuration vs. Configuration Entities
- Changes are in VCS
- Configuration belongs to the project not the module



core/modules/system/config/install/system.site.yml

```
uuid: ''
name: Magical Robots
mail: ''
slogan: 'Where Lazers Meet Glitter'
page:
  403: ''
  404: ''
  front: user/login
admin_compact_mode: false
weight_select_max: 100
langcode: en
```



Example API Usage

```
// Load configuration.
$config = \Drupal::config('system.performance');
// Get a specific value.
$value = $config->get('cache.page.enabled');
// Set a scalar value.
$config->set('cache.page.enabled', 1);
// Save your data to the file system.
$config->save();
```



What Do I Need to Know?

- Memorize this: "Export > Commit > Deploy > Import"
- Learn the CMI API, \$config->get(), \$config>set(), and \$config->save()
- YAML
- Understand the difference between simple config and configuration entities and know which to use when



Recap

The configuration management initiative allows configuration to by easily synchronized between environments by providing a unified API that developers can use to read/write configuration, and tools for users to import/export configuration changes and transport them.



