

Drupal: Re-joining the Herd

PHP South Coast 2016

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Drupal: Getting off the Island

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- Senior Drupal Developer at [Appnovation Technologies](#)
- Former Drupal Association employee
- Symfony hobbyist
- Drupal Bristol organiser, PHPSW and DrupalCamp Bristol co-organiser
- First PHP conference!



Purpose

- If you're new to Drupal, go and try it
- If you've used it before, re-try it



About Drupal

- Drupal is an open source, PHP content management system
- 16 years old
- Drupal 8 was released in November 2015
- Non-BC changes between major versions
- Mostly procedural code prior to D8
- Drupalisms

Entities(ish)

- Everything uses `stdClass`
- No consistency between models

Hooks

```
// hello.module

/**
 * Implements hook_menu()
 */
function hello_menu() {
  $items['hello-world'] = array(
    ...
  );

  return $items;
}
```

Theme functions

```
$items[  
  l('Foo', 'foo'),  
  l('Bar', 'bar'),  
];  
  
return theme('item_list', ['items' => $items]);
```

```
<ul class="item-list">  
  <li><a href="foo">Foo</a></li>  
  <li><a href="bar">Bar</a></li>  
</ul>
```





<http://www.ekino.com/wp-content/uploads/2013/09/drupal8-meets-symfony.jpg>



<http://jmolivas.com/slides/drupalcon2015bogota/speeding-up-drupal-8-development-using-drupal-console/assets/images/larry-crell.jpg>

Symfony

- Core developed using Symfony components
- Minimum PHP version requirement
- PHP code in classes
- No more functions (almost)
- Namespaces
- ~~PSR-0~~ PSR-4 Autoloading
- Dependency injection
- Full test coverage
- Consistency!

Symfony components

- ClassLoader
- Console
- CssSelector
- DependencyInjection
- EventDispatcher
- HttpFoundation
- HttpKernel
- Process
- Routing
- Serializer
- Translation
- Validator
- Yaml

<http://symfony.com/projects/drupal>

YAML

example.info (D7)

```
name = Example
core = 7.x
package = Custom

dependencies[] = entity

files[] = a.inc
files[] = b.inc
```

example.info.yml (D8)

```
name: Example
type: module
core: 8.x
package: Custom

dependencies:
- entity
```


Routing (D7)

hello.module

```
function hello_menu() {  
  $items['hello-world'] = [  
    'title' => 'Hello, PHPSC',  
    'page callback' => 'hello_page_callback',  
    'access arguments' => ['access content'],  
  ];  
  
  return $items;  
}
```

Routing (D8)

hello.routing.yml

```
hello.view:  
  path: /hello-world  
  defaults:  
    _title: 'Hello, PHPSC'  
    _controller: '\Drupal\hello\Controller\PageController::helloView'
```

Annotations

Used in some places - e.g. plugin system

Twig

- Default theme engine in D8
- Replaces phptemplate
- No more database queries in templates
- No more theme functions



Not Invented Here

~~Not Invented Here~~

Proudly found elsewhere

- jQuery *
- Symfony
- Symfony CMF
- CKEditor
- Zend
- Composer
- Stack
- Guzzle
- Twig
- PHPUnit

<http://cgit.drupalcode.org/drupal/tree/core/composer.json>

Composer

- Drupal 8 using Composer for dependency management and autoloading
- Better Composer support since 8.1
- Composer integration on Drupal.org
- Drupal Composer projectproject template
 - Project template
 - Drupal Packagist



Drupal via Composer

```
"repositories": [  
  {  
    "type": "composer",  
    "url": "https://packages.drupal.org/8"  
  }  
],  
require: {  
  "drupal/core": "~8.0"  
},  
...
```

<https://github.com/platformsh/platformsh-example-drupal/blob/8.x/composer.json>

Contrib

- [Web Profiler](#) - Symfony WebProfiler Bundle as a Drupal 8 module
- [Composer Manager](#) - adds a GUI for Composer dependencies
- [xautoload](#) - PSR-4 support for Drupal 7

Libraries first

- Non-Drupal problems being fixed outside of Drupal
- Framework agnostic PHP libraries
- Better exposure
- Production tested code
- Allows for backports



Libraries first

addressing

PHP ★ 399 📄 39

A PHP 5.4+ addressing library, powered by Google's dataset.

Updated 21 days ago

zone

PHP ★ 58 📄 10

A PHP 5.4+ zone management library.

Updated on May 4

enum

PHP ★ 36 📄 3

A PHP 5.4+ enumeration library.

Updated on May 4

tax

PHP ★ 104 📄 17

A PHP 5.4+ tax library.

Updated on Apr 20

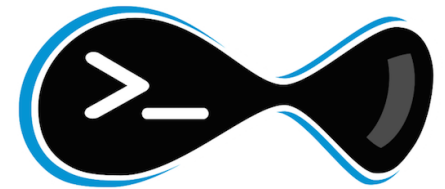
Libraries First

blob: e4ae92f43e7247e319e55e141988097f33976b6e ([plain](#))

```
1 {
2   "name": "drupal/commerce",
3   "type": "drupal-module",
4   "description": "Drupal Commerce is a flexible eCommerce solution.",
5   "homepage": "http://drupal.org/project/commerce",
6   "license": "GPL-2.0+",
7   "require": {
8     "drupal/core": "~8.1",
9     "drupal/address": "8.1.x-dev",
10    "drupal/entity": "8.1.x-dev",
11    "drupal/inline_entity_form": "8.1.x-dev",
12    "drupal/profile": "8.1.x-dev",
13    "drupal/state_machine": "8.1.x-dev",
14    "commerceguys/intl": "dev-master",
15    "commerceguys/pricing": "dev-master",
16    "commerceguys/tax": "dev-master"
17  },
18   "minimum-stability": "dev"
19 }
```

Drupal Console

- A CLI tool for generating Drupal code and interacting with Drupal 8 websites
- Based on Symfony Console component
- PSR-2 coding style, outputs Drupal code style
- <http://drupalconsole.com>



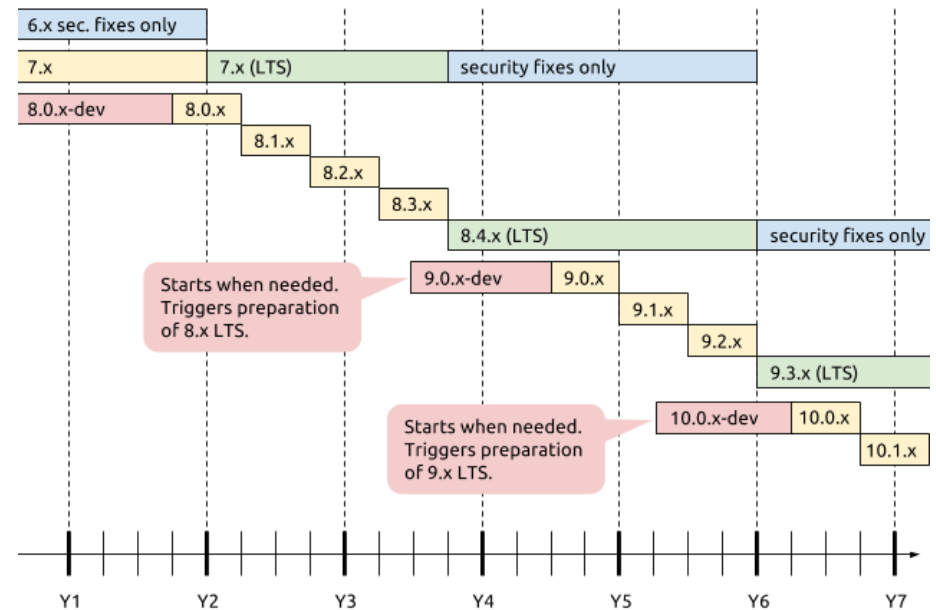
02:53 drupal8.dev drupal generate:controller --learning

Welcome to the Drupal Controller generator

Enter the module name:

Going forward

- Semantic versioning
- Feature releases every 6 months



<https://www.drupal.org/core/release-cycle-overview>

More to do?

- Still some Drupalisms
- PSR-2
- GitHub/Packagist
- Drupal CI

In Summary

- Lowered the barrier to entry for PHP Developers
- Made me a better Developer
- More transferable knowledge and skills
- Changed perspective

Links

- drupal.org
- drupal.org/8
- drupal-composer.org

Questions?

DrupalCamp Bristol

22nd - 24th July

<https://www.drupalcampbristol.co.uk>

phpsc-fri - £20 off the business day
phpsc-sat - £5 off the conference day



Feedback

Joind.in: <https://joind.in/talk/41d0f>

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