

Accelerate Drupal Development

By Getting Off The Island



Agenda

- About Me
- What slows us down?
- Drupal 2nd development
- Tools and techniques
- Examples
- Discussion



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An aerial photograph of a large container ship sailing on a dark blue ocean. The ship's deck is covered with numerous colorful shipping containers in shades of red, yellow, blue, and grey, arranged in neat rows. The ship's white superstructure is visible at the top of the frame. The ship is moving towards the top of the image, leaving a white wake behind it. The text "I ship code." is overlaid in white, sans-serif font across the middle of the image.

I ship code.

An aerial photograph of a large container ship sailing on a dark blue ocean. The ship's deck is covered with numerous colorful shipping containers in shades of red, yellow, blue, and grey, arranged in neat rows. The ship's white superstructure is visible at the top of the frame. The ship is moving away from the viewer, leaving a white wake in the water. The text "Wait... I work for a startup..." is overlaid in white, bold, sans-serif font across the lower half of the image.

Wait... I work for a startup...



I ship code.



Usually.

A close-up photograph of a red rope tied to a rusty metal post on an orange construction barrier. The rope is coiled around the post, which shows significant rust and wear. The barrier is orange and has a white and red striped pattern. In the background, a road with a yellow circular sign and green trees are visible under a clear blue sky.

What slows us down?

whether
distributed
taken too
far

strategic
tool

"confirmed with the idea
you can write code for
to ARD

"Dirty code is to
debt as power is
to financial debt"

You are going to
up unintentional



Incremental fixes

metrics

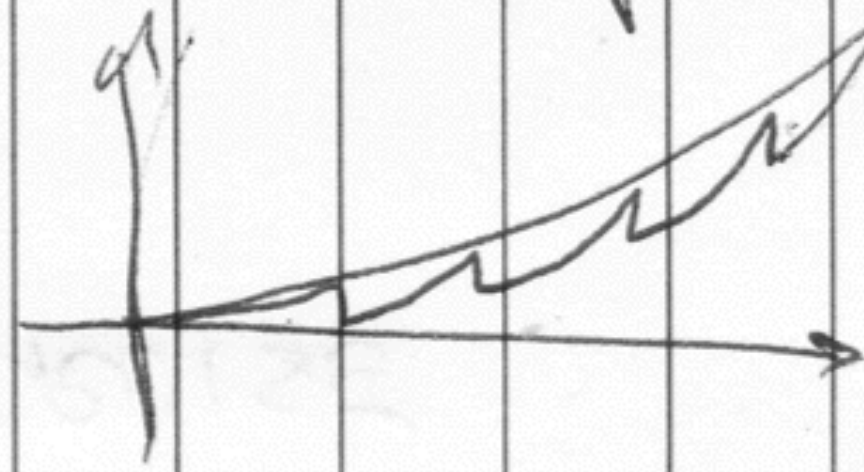
coverage

Relate

coupling

Split between

by xout
rule





Vision of Drupal.

A photograph of a wooden workbench covered with various pieces of wood. In the foreground, there's a large, light-colored wooden block with several rectangular and circular holes. To its right, a smaller, darker block has four circular holes. Above these, another block has two circular holes. In the background, a large, round wooden object, possibly a bowl or a lid, is visible. The workbench is covered with wood shavings and small pieces of wood, suggesting a woodworking project in progress.

Technical reality of Drupal.

A collection of various wooden pieces and shavings scattered on a dark, textured workbench. In the foreground, there's a large, light-colored rectangular block with several small, dark, circular holes. To its right, a smaller, darker block with three circular holes is visible. Above these, a triangular piece of wood with two circular holes is partially seen. In the background, a larger, light-colored block with two circular holes is positioned. Several wooden shavings and small pieces of wood are scattered around the main blocks. The text "It still sucks less." is overlaid in white, bold, sans-serif font across the middle of the image.

It still sucks less.

A close-up photograph of a wooden workbench. In the foreground, a rectangular piece of light-colored wood lies flat, with the text "I still love you, Drupal." overlaid in white. To its left, a triangular piece of wood with two circular holes is propped up. Behind it, another rectangular piece of wood with several holes and a small wooden peg is visible. To the right, a shallow wooden bowl sits on the bench. The background is filled with various wood shavings, a small pile of wood chips, and several long, thin wooden rods or dowels. The overall scene suggests a woodworking project in progress.

I still love you, Drupal.

Modular programming is a software design technique that emphasizes separating the functionality of a program into independent, **interchangeable** modules, such that each contains everything necessary to execute **only one aspect** of the desired functionality.

Start from UI, work down stack.

Drupal gets you 90% there.

The last 10% is really hard.

A close-up photograph of a wooden workbench covered with various pieces of wood and shavings. In the foreground, there's a large, light-colored wooden block with several rectangular and circular holes. To its right, a smaller, darker wood piece has four circular holes. Above these, a triangular wood piece has two circular holes. In the background, a circular wooden disc is visible. The workbench is cluttered with wood shavings and small wood pieces, suggesting an active woodworking project.

How do I extend this?

PSR Standards?

<http://www.php-fig.org>

OK, children. Play nicely.



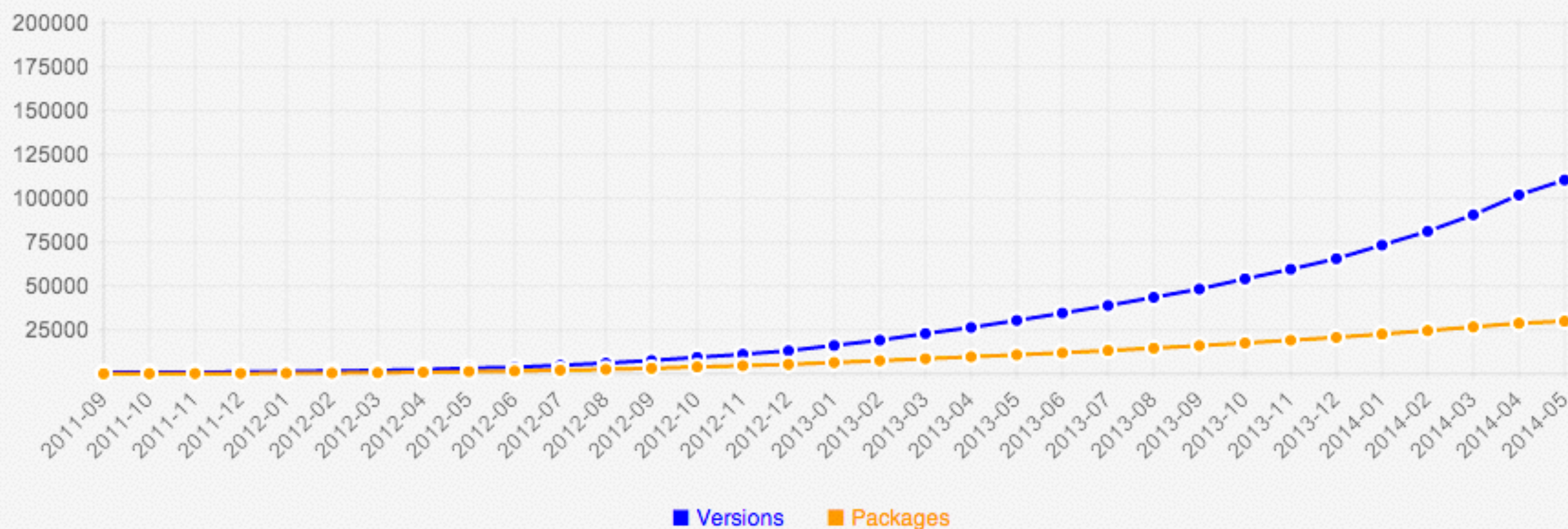
Packagist

The PHP package archivist.

[Submit Package](#)

Statistics

Packages/versions over time





./composer.json

```
{  
    "require": {  
        "monolog/monolog": "*"   
    }  
}
```



```
$> curl -sS https://getcomposer.org/installer | php  
$> php composer.phar install
```




Technical reality of packages.

Start from code, work up stack.

Task

Due date

,

Stakeholders see this :(

Task

Due date

,

The last 10% is really hard.

Task

Due date

,

Experience wins.

How do I get both?

Drupal 2nd Development

http://drupal.org/project/composer_manager

```
The following extensions will be enabled: mymodule
Do you really want to continue? (y/n): y
mymodule was enabled successfully.
One or more extensions have dependencies managed by Composer.
Update packages managed by Composer? (y/n): y
Download and install the Drush Composer extension? (y/n): y
Project composer (8.x-1.x-dev) downloaded to /Users/cpliakas/.drush
Project composer contains 0 modules: .
Loading composer repositories with package information
Updating dependencies (including require-dev)
- Installing symfony/filesystem (v2.4.2)
  Loading from cache

- Installing symfony/event-dispatcher (v2.4.2)
  Loading from cache

- Installing guzzle/infection (v3.8.1)
  Loading from cache

- Installing guzzle/common (v3.8.1)
  Loading from cache
```


Status of Packages Managed by Composer		
PACKAGE	INSTALLED VERSION	VERSION REQUIRED BY MODULE
acquia/acquia-sdk-php-cloud-api Acquia Cloud API component for the Acquia SDK for PHP.	0.9.0	>=0.9.0,<0.10.0 Required by: My Module
acquia/acquia-sdk-php-json JSON component for the Acquia SDK for PHP.	0.9.0	N/A Dependency for other packages
acquia/acquia-sdk-php-rest REST components for the Acquia SDK for PHP.	0.9.0	N/A Dependency for other packages
guzzle/cache Guzzle cache adapter component	v3.8.1	N/A Dependency for other packages
guzzle/common Common libraries used by Guzzle	v3.8.1	N/A Dependency for other packages
guzzle/http HTTP libraries used by Guzzle	v3.8.1	N/A Dependency for other packages
guzzle/inflection Guzzle inflection component	v3.8.1	N/A Dependency for other packages
guzzle/parser	v3.8.1	N/A

Monolog













[EDIT](#)[DELETE](#)**Label ***

Machine name: drupal_log

The human-readable name of the logging profile.

[+ Add handler](#)[Show row weights](#)

Logging Handlers

LABEL	HANDLER	LOG LEVEL	BUBBLE MESSAGES	OPERATIONS
 Development log	ChromePHP Handler	<input type="text" value="Debug"/> 	<input type="text" value="Yes"/> 	Edit Delete
 Error log	Rotating File Handler	<input type="text" value="Error"/> 	<input type="text" value="No"/> 	Edit Delete
 Info log	Rotating File Handler	<input type="text" value="Info"/> 	<input type="text" value="No"/> 	Edit Delete
 Debug log	Rotating File Handler	<input type="text" value="Debug"/> 	<input type="text" value="No"/> 	Edit Delete

[Save logging profile](#)[Go back to profile page](#)

What challenges do you see?

What do you want to know?

Discussion