

# Future of the CMS

WHERE WE'VE **BEEN**, WHERE WE **ARE**, AND WHERE WE'RE **GOING**. A BRIEF LOOK AT THE **DIRECTION OF** AND **CHANGES TO** HUBZERO'S CONTENT MANAGEMENT SYSTEM.



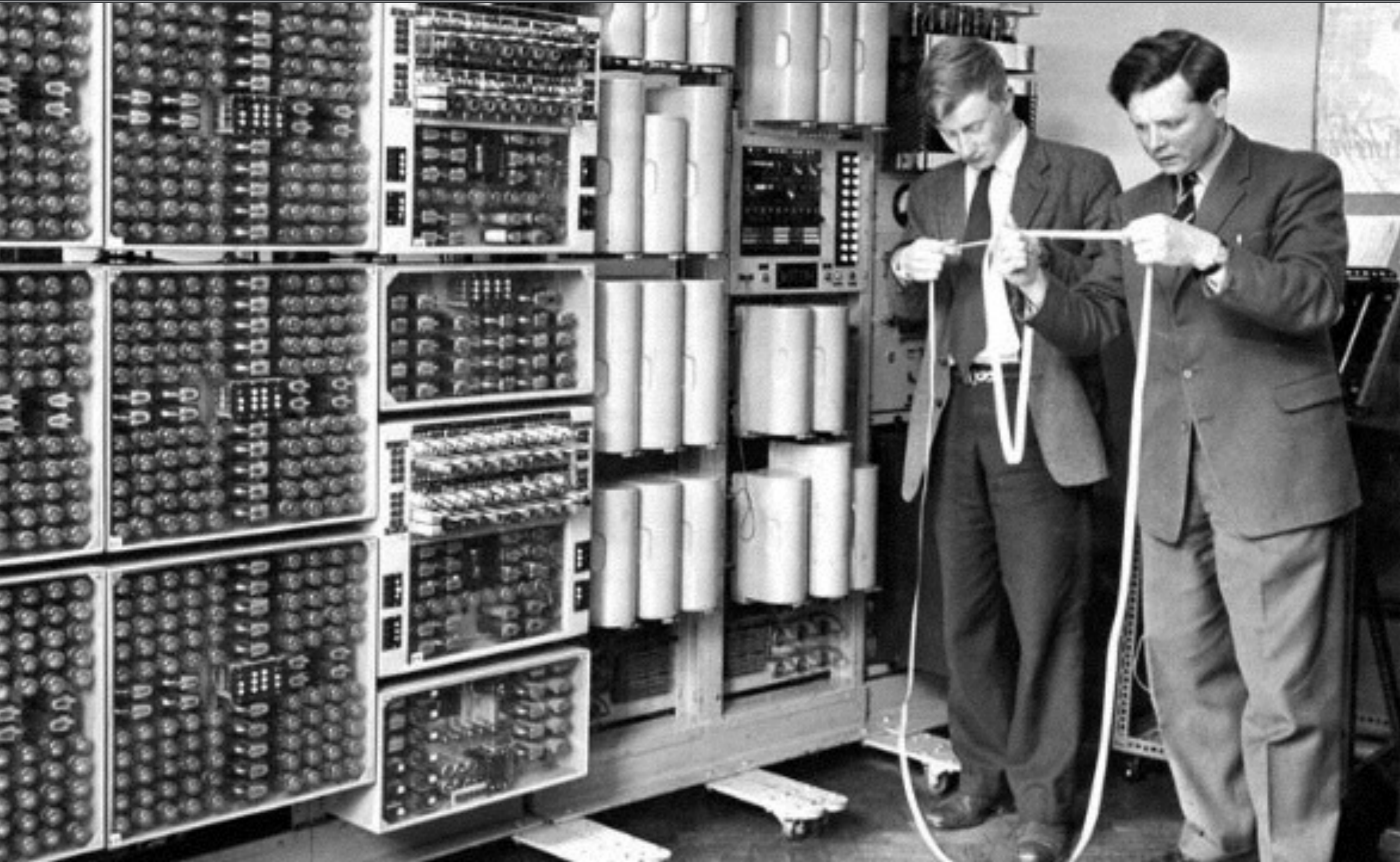
# In the before times...



# Portable!



# Early HUB architecture



# Stages of the CMS

Mambo

Joomla 1.0

Joomla 1.5

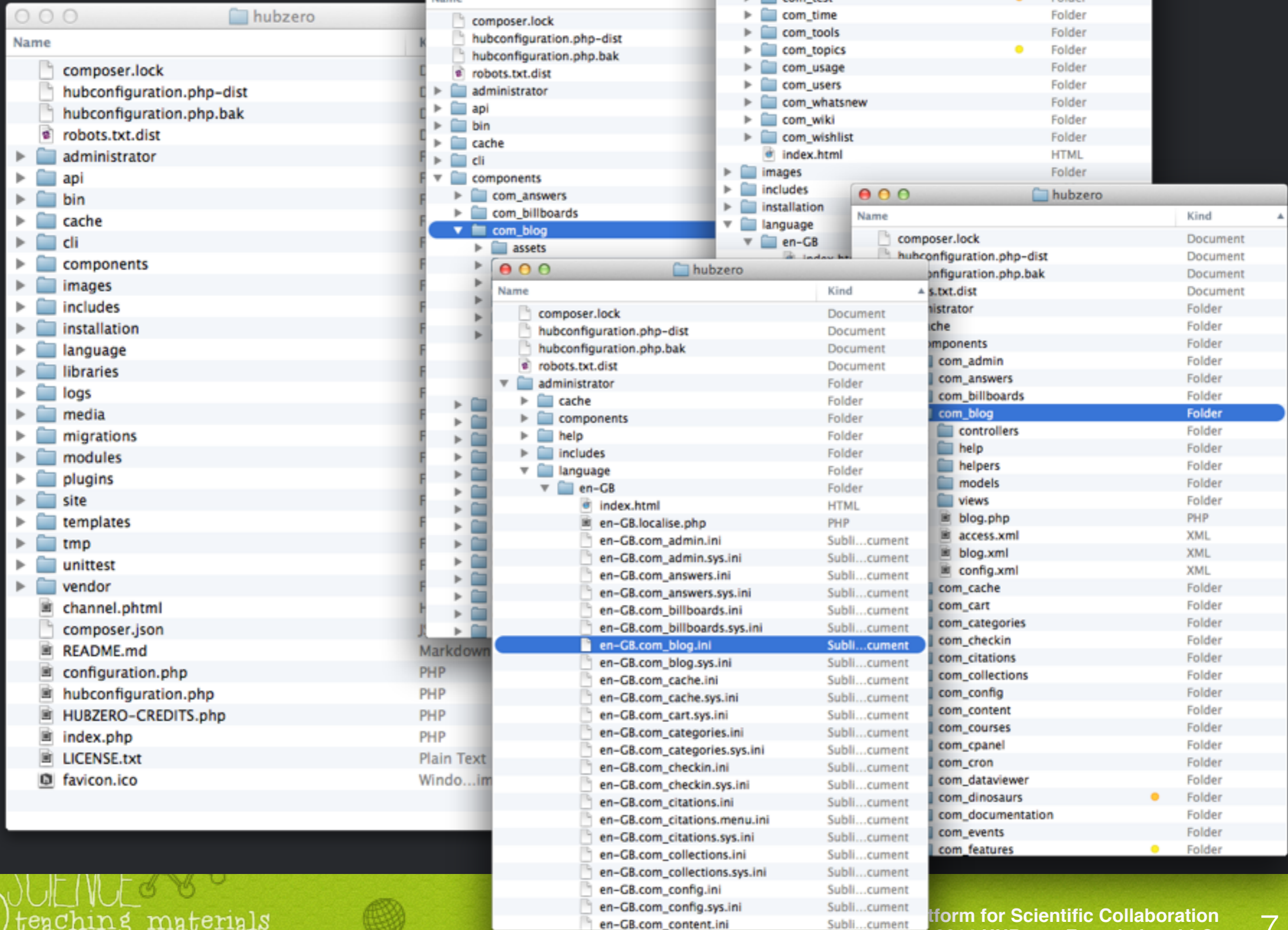
Joomla 2.5

**It's not me, it's you.**

# WHY **NOT** JOOMLA?

(Do you *really* want to get me started on this rant?)

# A typical hub install



# My OCD will not stand for this!





# Hacks, work-arounds, gum, and string

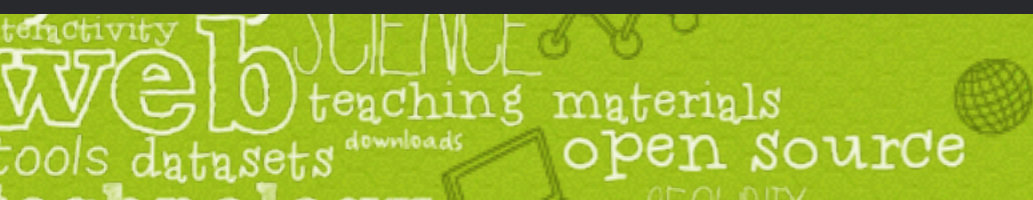


## HOMEMADE GPS

# The next HUBzero CMS

codename: **zubuntu**

# WHERE TO *START*?



# Making order from chaos

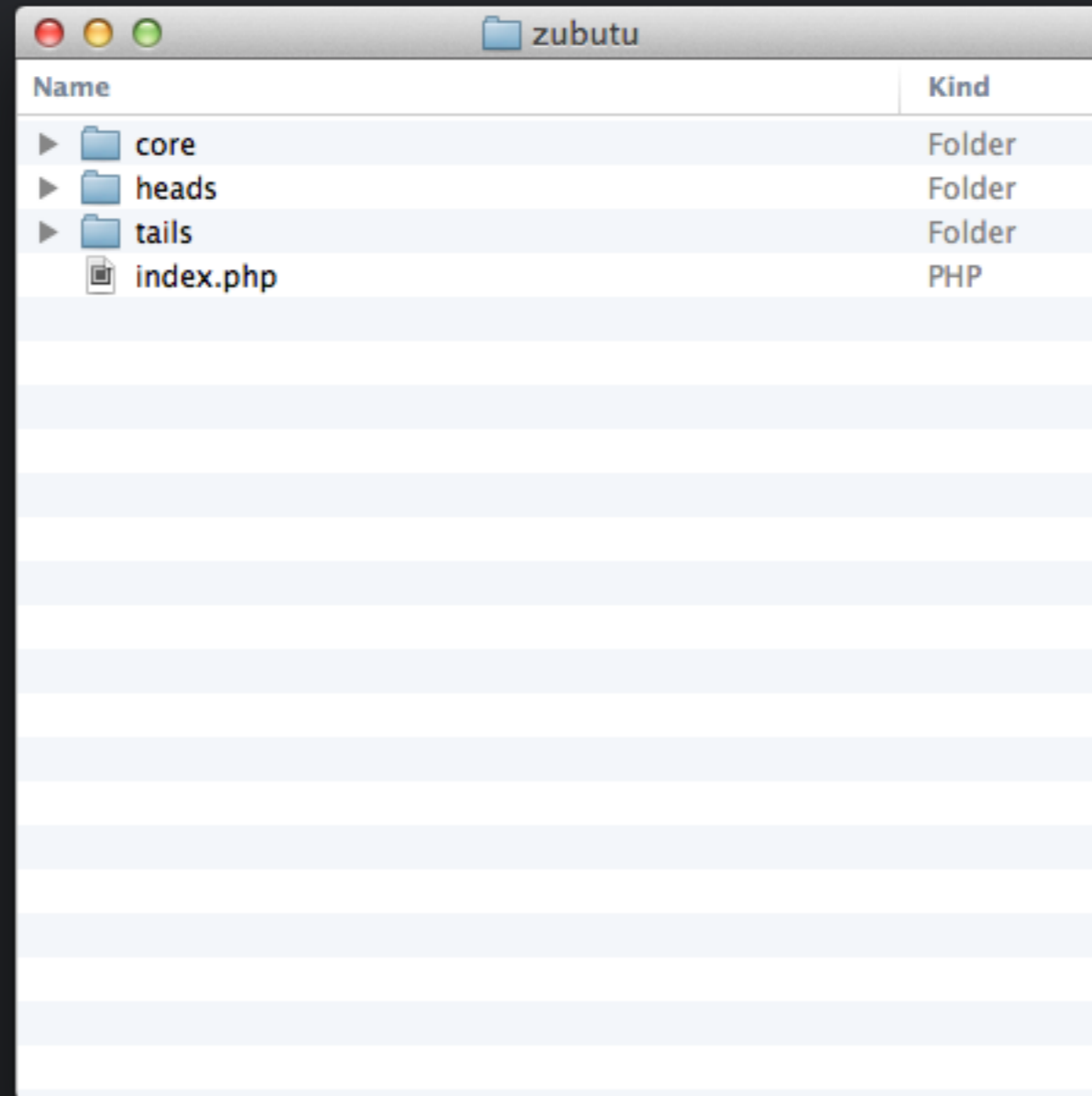
Name	Kind
composer.lock	Document
hubconfiguration.php-dist	Document
hubconfiguration.php.bak	Document
robots.txt.dist	Document
▶ administrator	Folder
▶ api	Folder
▶ bin	Folder
▶ cache	Folder
▶ cli	Folder
▶ components	Folder
▶ images	Folder
▶ includes	Folder
▶ installation	Folder
▶ language	Folder
▶ libraries	Folder
▶ logs	Folder
▶ media	Folder
▶ migrations	Folder
▶ modules	Folder
▶ plugins	Folder
▶ site	Folder
▶ templates	Folder
▶ tmp	Folder
▶ unittest	Folder
▶ vendor	Folder
channel.phtml	HTML
composer.json	JSON
README.md	Markdown
configuration.php	PHP
hubconfiguration.php	PHP
HUBZERO-CREDITS.php	PHP
index.php	PHP
LICENSE.txt	Plain Text
favicon.ico	Windo...image

Name	Kind
▶ app	Folder
▶ core	Folder
index.php	PHP

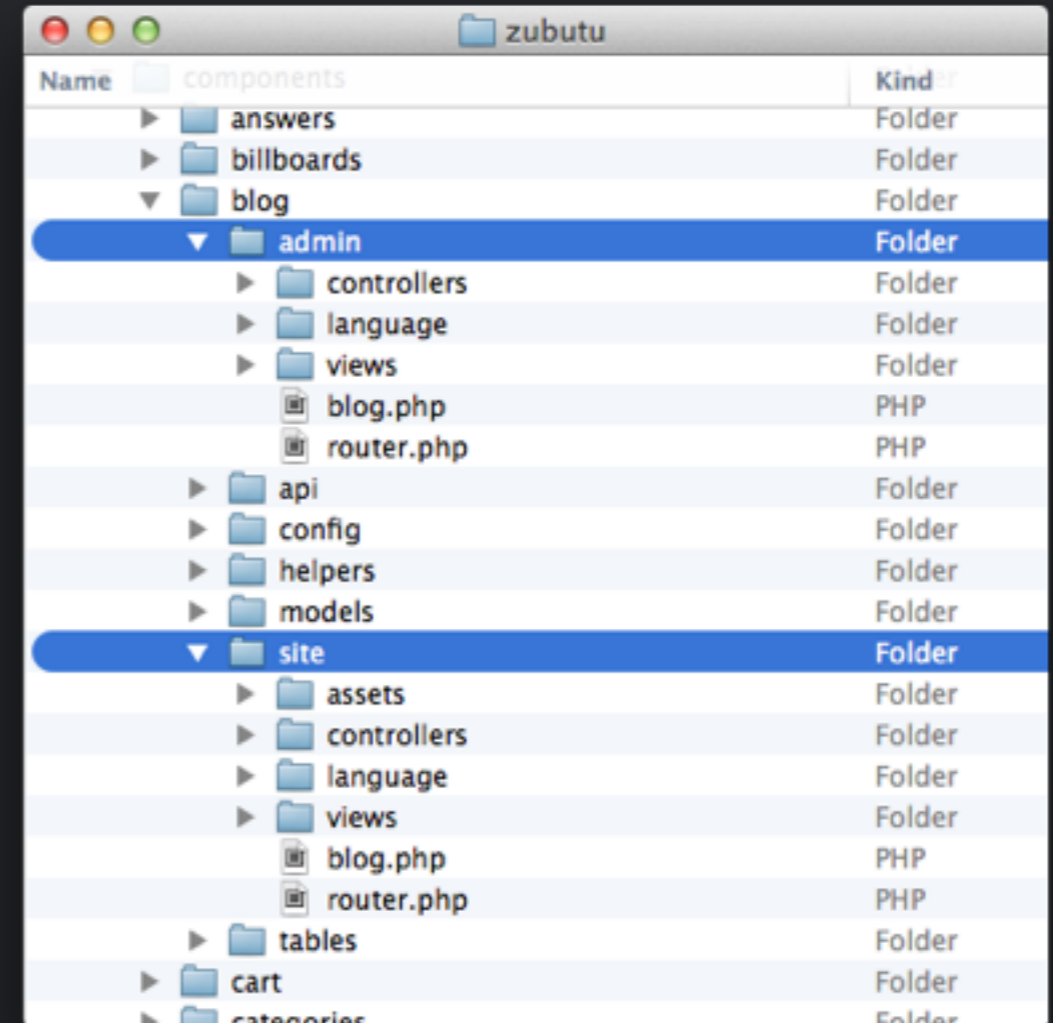
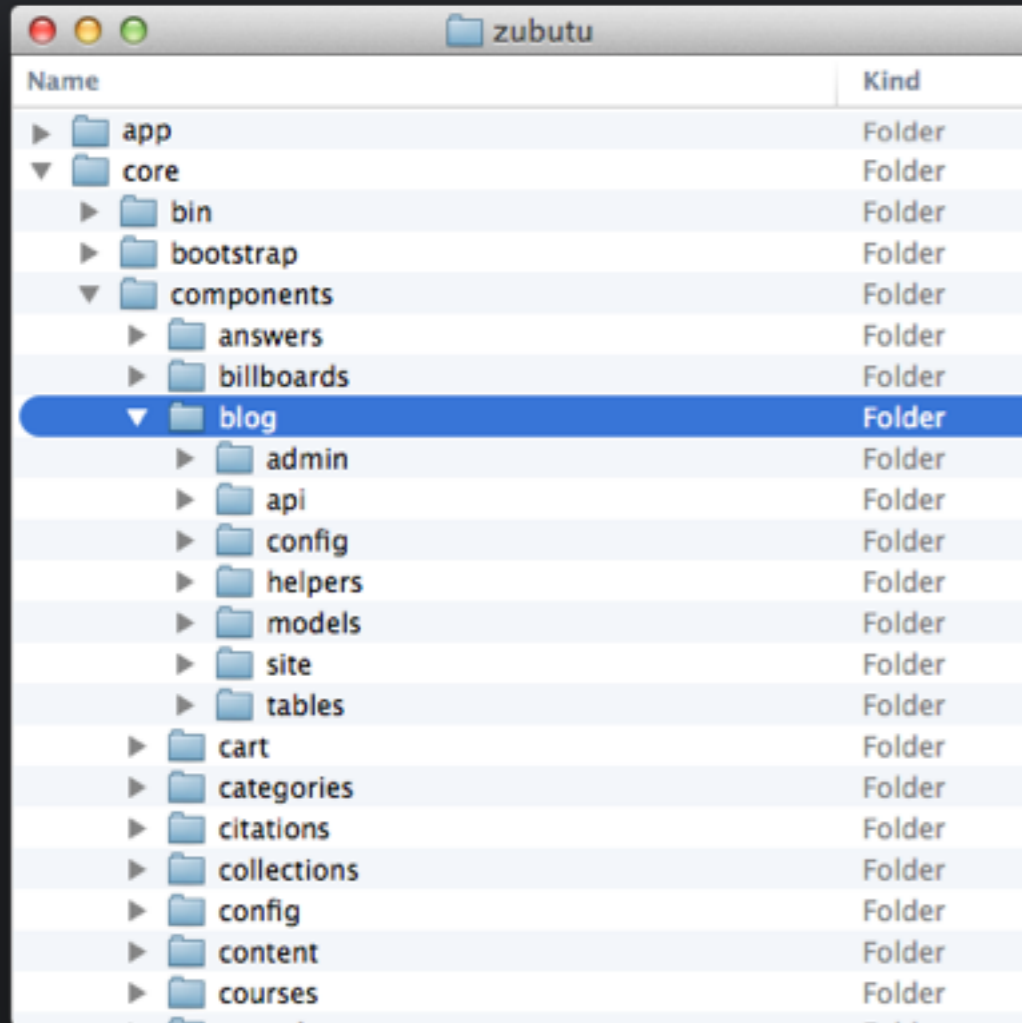
# App and Core

Name	Kind
▼ app	Folder
▶ components	Folder
▶ config	Folder
▶ data	Folder
▶ language	Folder
▶ media	Folder
▶ modules	Folder
▶ plugins	Folder
▼ public	Folder
▶ assets	Folder
index.php	PHP
robots.txt	Plain Text
favicon.ico	Windo...imag
index.php	PHP
▶ core	Folder
index.php	PHP

# Multiple hubs, one core



# Bringing it all together



# Look Ma, no includes!

```
1 <?php
2 namespace Components\Blog\Site;
3
4 $controllerName = \Request::getCmd('controller', \Request::getCmd('view', 'entries'));
5 $controllerName = __NAMESPACE__ . '\\Controllers\\' . ucfirst(strtolower($controllerName));
6
7 if (!class_exists($controllerName))
8 {
9     throw new \Exception('Component controller not found.', 404);
10 }
11
12 $controller = new $controllerName();
13 $controller->execute();
14 $controller->redirect();
15
```

For more on PHP namespaces:

<http://php.net/manual/en/language.namespaces.php>



# Component overrides

Name	Kind
▼ app	Folder
▶ components	Folder
▶ config	Folder
▶ data	Folder
▶ language	Folder
▶ media	Folder
▶ modules	Folder
▶ plugins	Folder
▶ public	Folder
index.php	PHP
▼ core	Folder
▶ bin	Folder
▶ bootstrap	Folder
▼ components	Folder
▶ answers	Folder
▶ billboards	Folder
▶ <b>blog</b>	Folder
▶ cart	Folder
▶ categories	Folder
▶ citations	Folder
▶ collections	Folder
▶ config	Folder

Name	Kind
▼ app	Folder
▼ components	Folder
▶ <b>blog</b>	Folder
▶ config	Folder
▶ data	Folder
▶ language	Folder
▶ media	Folder
▶ modules	Folder
▶ plugins	Folder
▶ public	Folder
index.php	PHP
▼ core	Folder
▶ bin	Folder
▶ bootstrap	Folder
▼ components	Folder
▶ answers	Folder
▶ billboards	Folder
▶ carts	Folder
▶ citations	Folder
▶ collections	Folder
▶ categories	Folder
▶ categories	Folder
▶ citations	Folder
▶ collections	Folder
▶ config	Folder



# What we're working towards

- Separation of core and site code
- Multiple hubs off the same core
- Component overrides
- PHP class autoloading
- Smarter asset management
- Database replication
- Better caching utilities
- More services like Redis, APC, etc.

**Just a friendly reminder!**



**THIS IS HOW WE'RE ALL SUPPOSED TO DRESS  
STARTING NEXT YEAR.**



"Pie trap! . . . We're in Zubutu country, all right."