

CPOSC '08 - Introduction

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- Self Employed
 - Afilias
 - xforty
 - ParentProxy
- Long Time FOSS advocate

Goals

- Good understanding of CMS
- Working Knowledge of Drupal

(Web) Content Management System

- Just Web
- Crossover in Terminology
- NOT Document Management

Types of Processing

- Online (drupal)
 - Templates applied as a pre-process
- Offline (awful enterprise)
 - Templates applied at request time

Why Drupal

- I had to use PostgreSQL
- Looked at Joomla and a few others
- Drupal controls module growth
- Online community is great, growing
- Innovates

Why Drupal (continued)

- Open Source (duh!)
- It does everything I ever needed, or was easy to do
- Advanced URL Control
- Custom Content Types and Views
- Revision Control
- Taxonomy
- User Management

Why Drupal (continued)

- Page Titles and Meta Tags
- Excellent Documentation
- PHP Template
- Drupal Cookbooks
- Large and Friendly Community

What Sucks?

- WYSIWYG Integration
- File Manager
- Weak separation between content and configuration at some levels

Who uses it?

- <http://www.opensource.org/>
- <http://www.ubuntu.com/>
- <http://www.theonion.com/>
- <http://www.crooksandliars.com/>
- <http://www.newsbusters.org/>
- <http://research.yahoo.com/>
- <http://corp.aol.com/>
- <http://www.mtv.co.uk/>

History

- Dries Buytaert
- University of Antwerp BBS
- Graduated and put it online
- Dorp.org -> Dutch for Village
- Drop.org -> Released code in 2001
- Drupal Dutch for Drop

Crooks and Liars Case Study

- WP to Drupal (two weeks ago)
- 1/4 million visitors and 400,000 page views a day
- 6,000+ guests and 50+ logged in users -- the servers sitting almost idle
- Two, Quad Core machines, Apache + memcached + Hacks
- Static Content Hacks
- Files uploads rsyncd

Features

- General features
 - Collaborative Book
 - Friendly URLs
 - Modules
 - Online help
 - Open source
 - Personalization
 - Role based permission system
 - Searching

Features (continud)

- User management
 - User authentication
- Content management
 - Polls
 - Templating
 - Threaded comments
 - Version control

Features (continued)

- Blogging
 - Blogger API support
 - Content syndication
 - News aggregator
 - Permalinks
- Platform
 - Apache or IIS, Unix / Linux / BSD / Solaris / Windows / Mac OS X support
 - Database independence
 - Multi-language

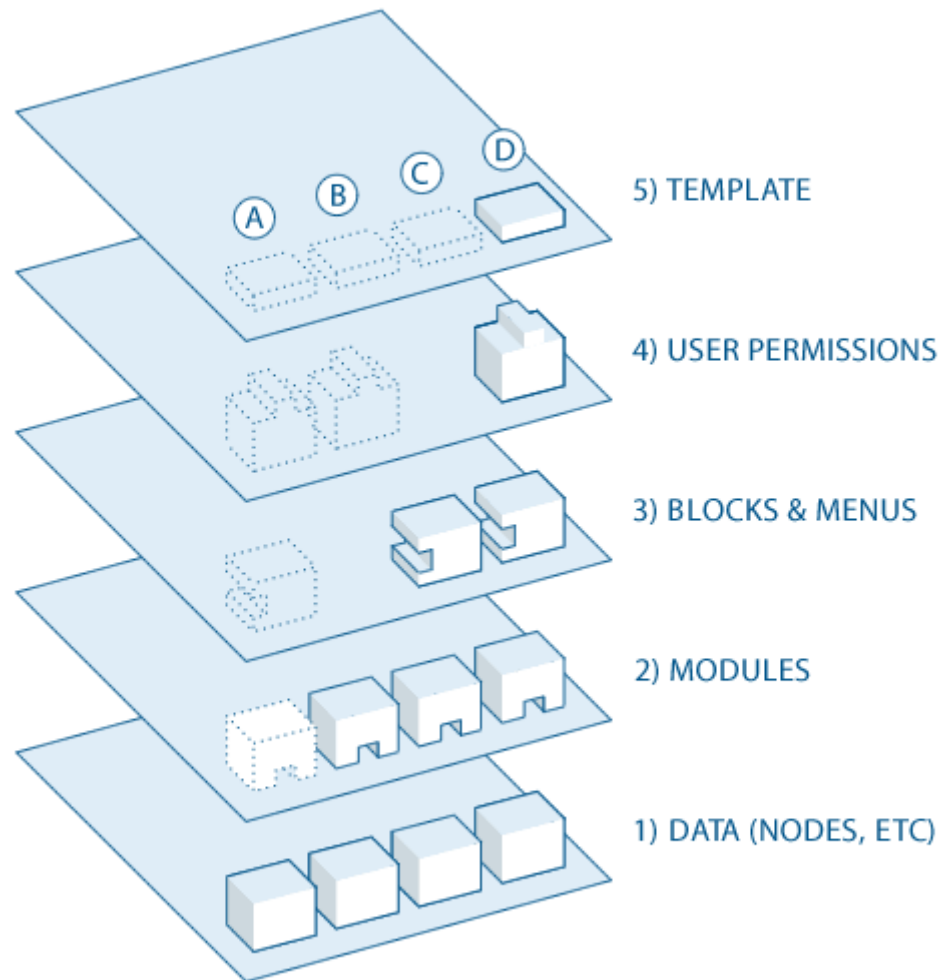
Features (continued)

- Administration and analysis
 - Analysis, Tracking and Statistics
 - Logging and Reporting
 - Web based administration
- Community features
 - Discussion forums
- Performance and scalability
 - Caching

Principles

- Modular and extensible
- Quality coding
- Standards-based
- Low resource demands
- Open source
- Ease of use
- Collaboration

The Flow



Organization of Content

- Content is a node
- Otherwise it is a list of nodes

Demo

- *Give Basic Walk Through*
- Content Types
- CCK
- Webform
-

Other Modules

- Language Support
 - Interface – Locale
 - Content (Multilingual)– Localizer, i18n
- Workflow
 - Actions
- Multimedia
 - Video
 - Photo galleries

Customizing

- Module Hooks

Customizing (Continued)

- Form API

```
$form['foo'] = array(  
  '#type' => 'textfield',  
  '#title' => t('bar'),  
  '#default_value' => $object['foo'],  
  '#size' => 60,  
  '#maxlength' => 64,  
  '#description' => t('baz'),  
);
```

My Best Practice Guide

- On Disk
- Subversion
- Modules, Configs
- Managing Deployments
 - Some modules
 - Do it by hand
 - Capistrano
- Managing Code
 - Wrote scripts

Other bits

- *Drake*
- *API*
- *IRC*
- *Versioning*
- *Automating Testing with 7.x*
- *Philly Group – DrupalCamp*

Questions?