

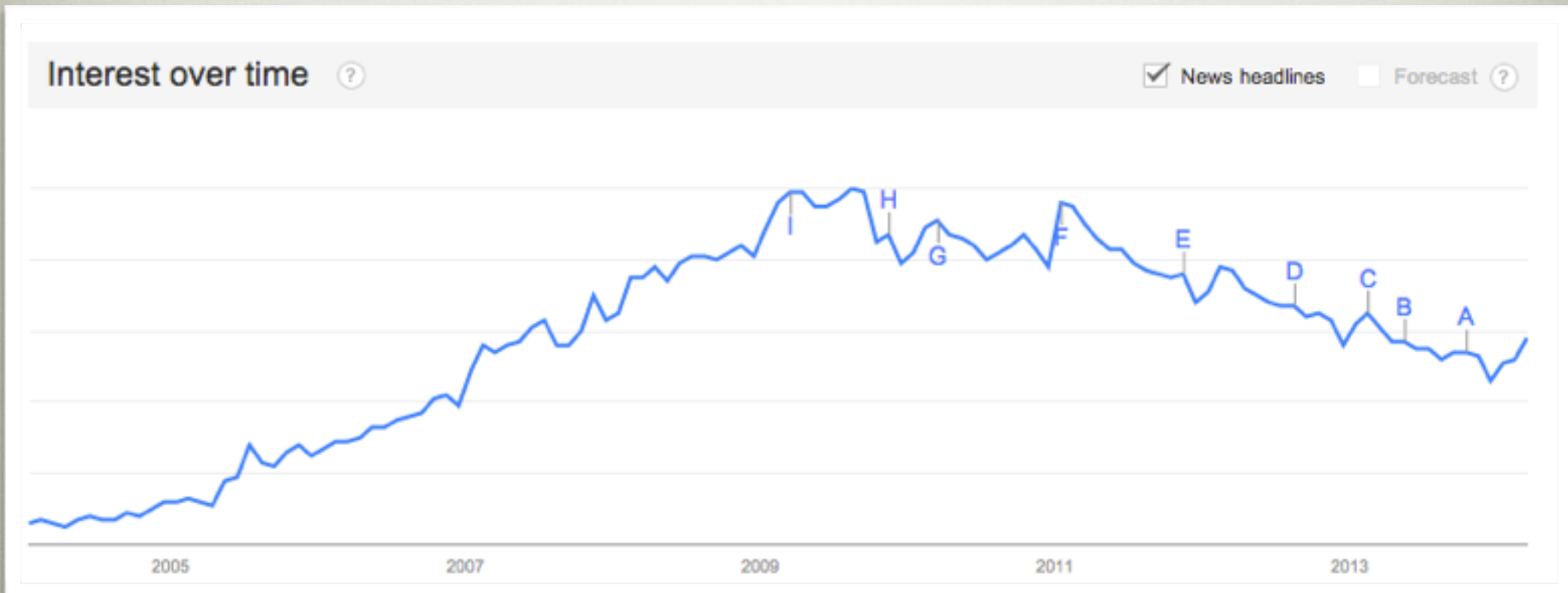
backdrop



Because there's a cost that comes with change.

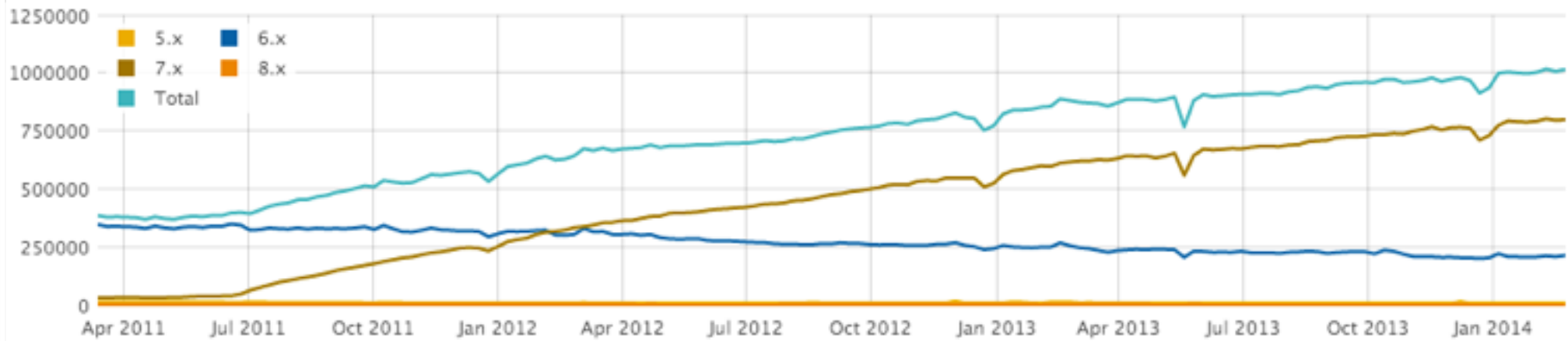
Jen Lampton ~ @jenlampton | Nate Haug ~ @quicksketch

Trends



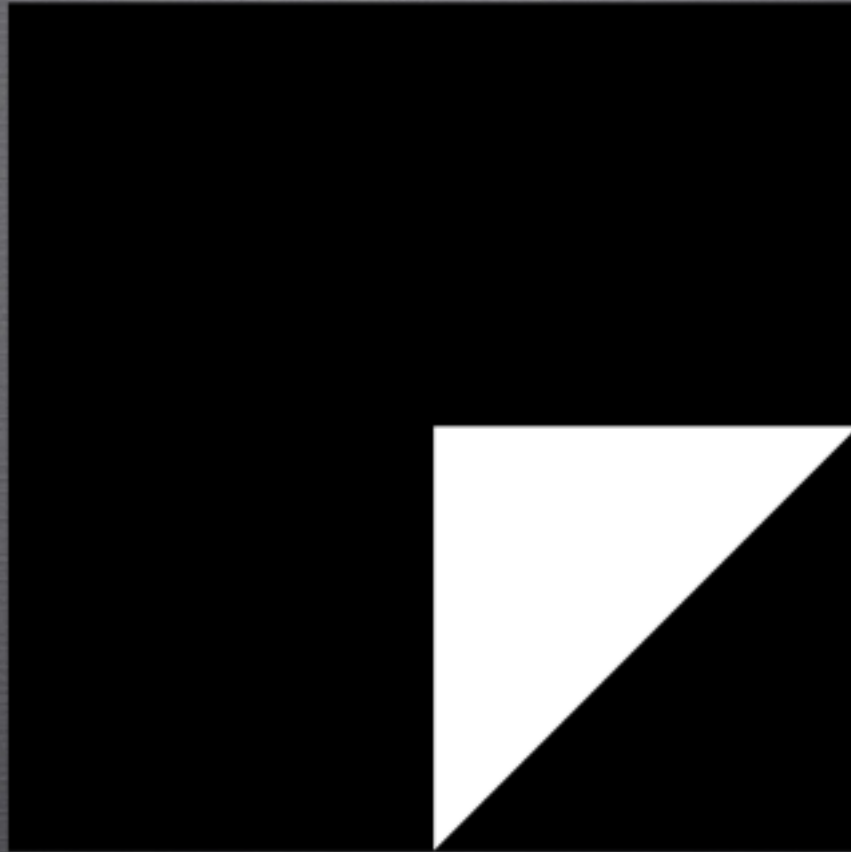
<http://bit.ly/google-cms-trends>

Usage



- 68% of Drupal 6 sites haven't upgraded (yet)
- Creation of new sites not increasing (much)

<https://drupal.org/project/usage/drupal>



Backdrop CMS

Backdrop CMS Roadmap

1. Configuration Management
2. Built-in Views Module
3. Revamped Block/
Layout System
4. Built-in WYSIWYG
Support
5. Improved Editorial
Experience
6. Improved Mobile
Support
7. HTML5 Markup and
Fields
8. Improved Performance
9. Reduced theme system
complexity
10. Improved
Multilingual Support

What's the Rub?



DrupalTM

Who are we to judge?



Who are we to judge?

Professional Drupal Trainers

- Combined we've taught over 1,500 students
- Each created materials for in-person training classes
- Each featured in Drupalize.me training videos
- Nate: Lullabot trainer since 2005
- Jen: Director of training at Chapter Three, 2010-2012
- Nate: Co-author O'Reilly book "Using Drupal"

Who are we to judge?

Core Contributors

Nate

- AJAX Framework & drag-and-drop systems in Drupal 6
- File & Image modules in Drupal 7
- Dialog system & CKEditor in Drupal 8

Jen

- First core patch included in 7.14 release
- Drupal core usability team member, D7 & D8
- Twig initiative lead, Drupal 8 (2011 - 2013)

Who are we to judge?

Community Leaders

- Lead Organizer, BADCamp
- Organizing Committee, DrupalCon SF 2010
- Berkeley DUG member since 2006
- San Francisco DUG member since 2009
- East Bay DUG member since 2013

What's the Rub?



DrupalTM

What's the Rub?

1. Difference from Drupal 7
2. Decision making process
3. Distress from existing community
4. Developer audience
5. Direction of project

Difference from D7

The screenshot shows the Drupal 7 user login page. At the top left is the Drupal logo and the text "Drupal 7". Below this is a "Home" button. On the left side, there is a "User login" form with fields for "Username" and "Password", a "Log in" button, and links for "Create new account" and "Request new password". To the right of the form, the text reads "Welcome to Drupal 7" followed by "No front page content has been created yet." At the bottom left, a dark footer contains the text "Powered by Drupal".

The screenshot shows the Drupal 8 user login page. At the top left is the Drupal logo and the text "Drupal 8". Below this is a "Home" button. On the left side, there is a "User login" form with fields for "Username" and "Password", a "Log in" button, and links for "Create new account" and "Request new password". To the right of the form, the text reads "Welcome to Drupal 8" followed by "No front page content has been created yet." and a small orange square icon with the number "21". At the bottom left, a dark footer contains the text "Powered by Drupal".

Difference from D7

Drupal 7

Home

User login

Username *

Password *

Log in

Create new account

Request new password

Powered by Drupal

```
function comment_entity_info() {
  return array(
    'comment' => array(
      'label' => t('Comment'),
      'base table' => 'comment',
      'uri callback' => 'comment_url',
      'fields' => array(
        'comment' => 'comment',
      ),
      'controller class' => 'CommentController',
      'entity type' => 'comment',
      'langcode' => 'und',
      'bundle' => 'comment',
      'label' => 'comment',
      'language' => 'und',
    ),
  );
}
```

Drupal 8

Home

User login

Username *

Password *

Log in

Create new account

Request new password

Powered by Drupal

```
function comment_entity_info() {
  return array(
    'comment' => array(
      'label' => t('Comment'),
      'base table' => 'comment',
      'uri callback' => 'comment_url',
      'fields' => array(
        'comment' => 'comment',
      ),
      'controller class' => 'CommentController',
      'entity type' => 'comment',
      'langcode' => 'und',
      'bundle' => 'comment',
      'label' => 'comment',
      'language' => 'und',
    ),
  );
}
```

```
class CommentManager implements CommentManagerInterface {
  // ...
}
```

Difference from D7

9,085

contributed modules

(for Drupal 7 alone)

(not including sandbox projects)

Do this 9,085 times.

The image displays a comparison of Drupal 7 and Drupal 8 user login pages and their underlying code. The top-left screenshot shows the Drupal 7 user login page with a red box highlighting the 'modules' directory in the file system. The top-right screenshot shows the corresponding PHP code for the 'comment' module in Drupal 7. The bottom-left screenshot shows the Drupal 8 user login page. The bottom-right screenshot shows the corresponding PHP code for the 'CommentManager' class in Drupal 8.

```
function comment_entity_info() {  
  return array(  
    'comment' => array(  
      'label' => t('Comment'),  
      'base table' => 'comment',  
      'uri callback' => 'comment_url',  
      'table' => TRUE,  
      'controller class' => 'CommentController',  
      'entity type' => array(  
        'id' => 'cid',  
        'bundle' => 'node_type',  
        'table' => 'subject',  
        'language' => 'language',  
      ),  
      'bundles' => array(  
        'node' => array(  
          'full' => TRUE,  
          'path' => 'node/%nid/%comment/%cid',  
          'static' => TRUE,  
        ),  
      ),  
      'foreach' => array(  
        'return' => array(  
          'label' => 'comment',  
          'path' => 'comment/%cid',  
          'view' => array(  
            'entity view_mode' => 'comment_full',  
            'system.action.comment.publish.action.yml' => 'comment_publish_action',  
            'system.action.comment.unpublish.action.yml' => 'comment_unpublish_action',  
            'view.view.comments_recent.yml' => 'comments_recent',  
          ),  
        ),  
      ),  
    ),  
  );  
}
```

```
class CommentManager implements CommentManagerInterface {  
  /**  
   * The field info service.  
   */  
  protected $fieldInfo;  
  /**  
   * The entity manager service.  
   */  
  protected $entityManager;  
  /**  
   * The current user.  
   */  
  protected $currentUser;  
  /**  
   * Whether the DRUPAL_AUTHENTICATED_R3D can post comments.  
   */  
  protected $authenticatedCanPostComments;  
  /**  
   * The user entity manager object.  
   */  
}
```


Decision making



Do-ocracy

“Drupal is a do-ocracy, [...] things happen within the community because people are willing to do them.

blog.nerdery.com/2013/02/do-ocracy-and-the-drupal-contrib-ecosystem/

- **Andrea "zendoodles" Zoper**

Drupal is a do-ocracy. People who act get recognized and become influential

<https://twitter.com/drupalcon/status/211012731434835969>

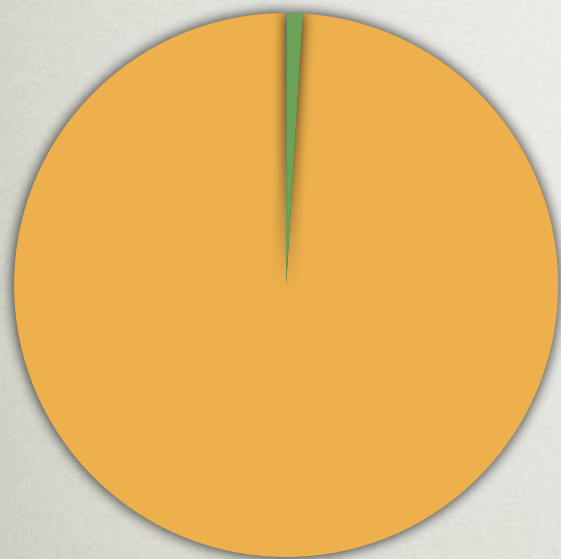
- **Addi "add1sun" Berry**

Example (pro)

TWIG

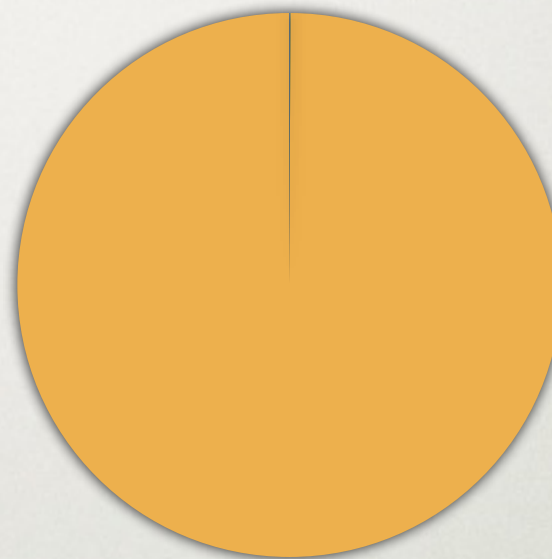


Example (con)



Alternate SQL

- Oracle 0.0001%
- MSSQL 0.9%
- MySQL / Postgres 99%



Alternate Field Storage

- MongoDB 0.0005%
- Riak, Combination, Per-bundle SQL 0.0001%
- Field SQL Storage 99.999%

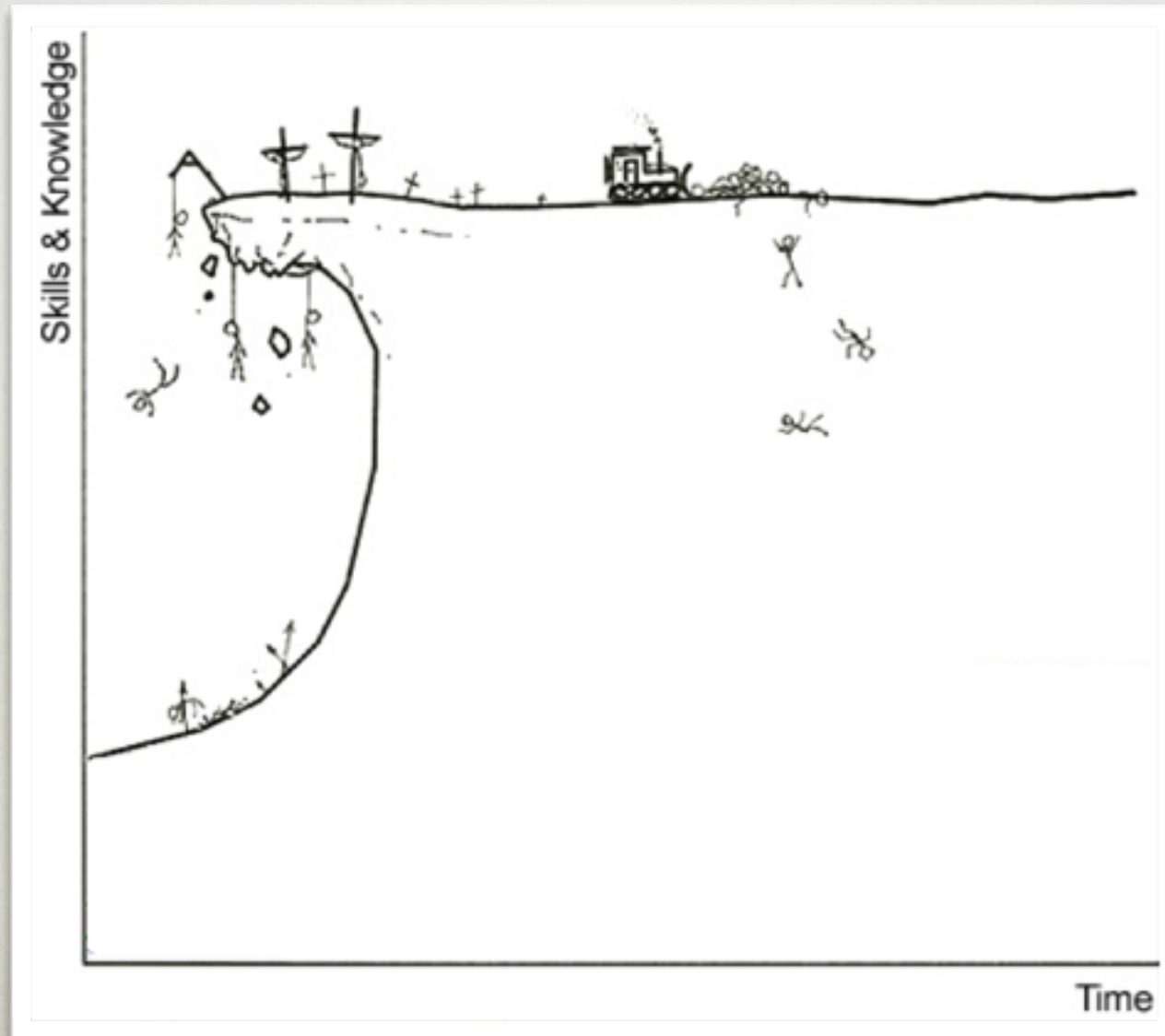
Distress



Distress: Cost

- software (free!)
- development
- hosting
- **maintenance**
- **upgrades**

Distress: Learning Curve



Developer Audience

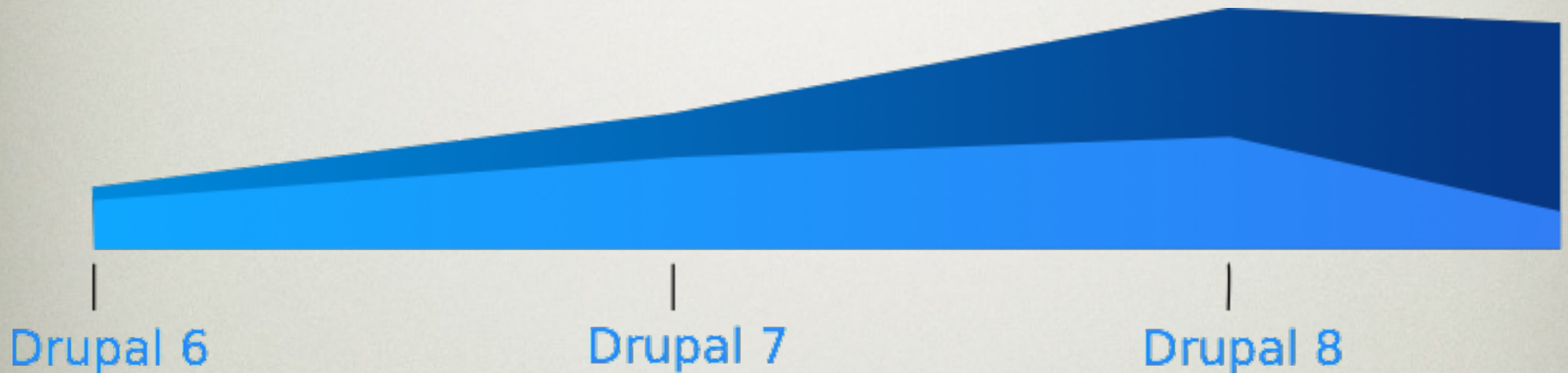


Developer Audience

I think there are two kinds of developers — I'm generalizing — in the Drupal world,

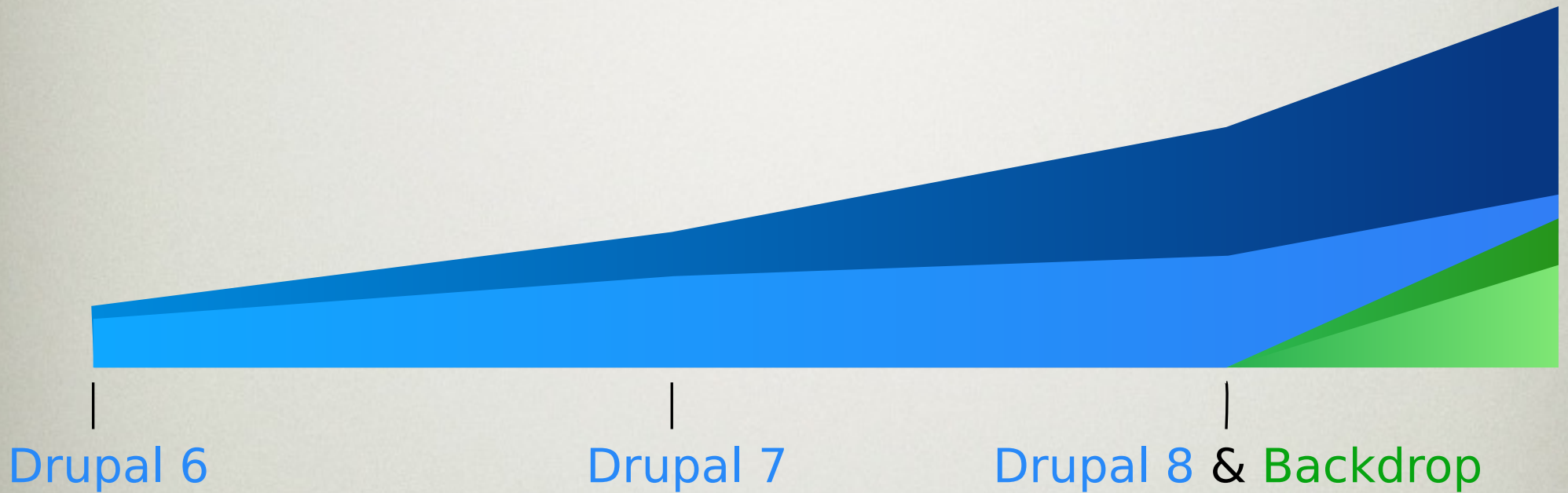
1. There's the self-taught Drupal developer and Drupal is how they learn to program.
2. And then there are the professionally trained developers [...] that went through college or had some sort of training...

Drupal Usage



- Drupal 8 successfully grows the "professional" market
- But compromises the self-taught "amateur" market

Drupal Usage



Legend



Drupal professionals



Drupal amateurs



Backdrop professionals



Backdrop amateurs

Backdrop CMS fills the down-market gap

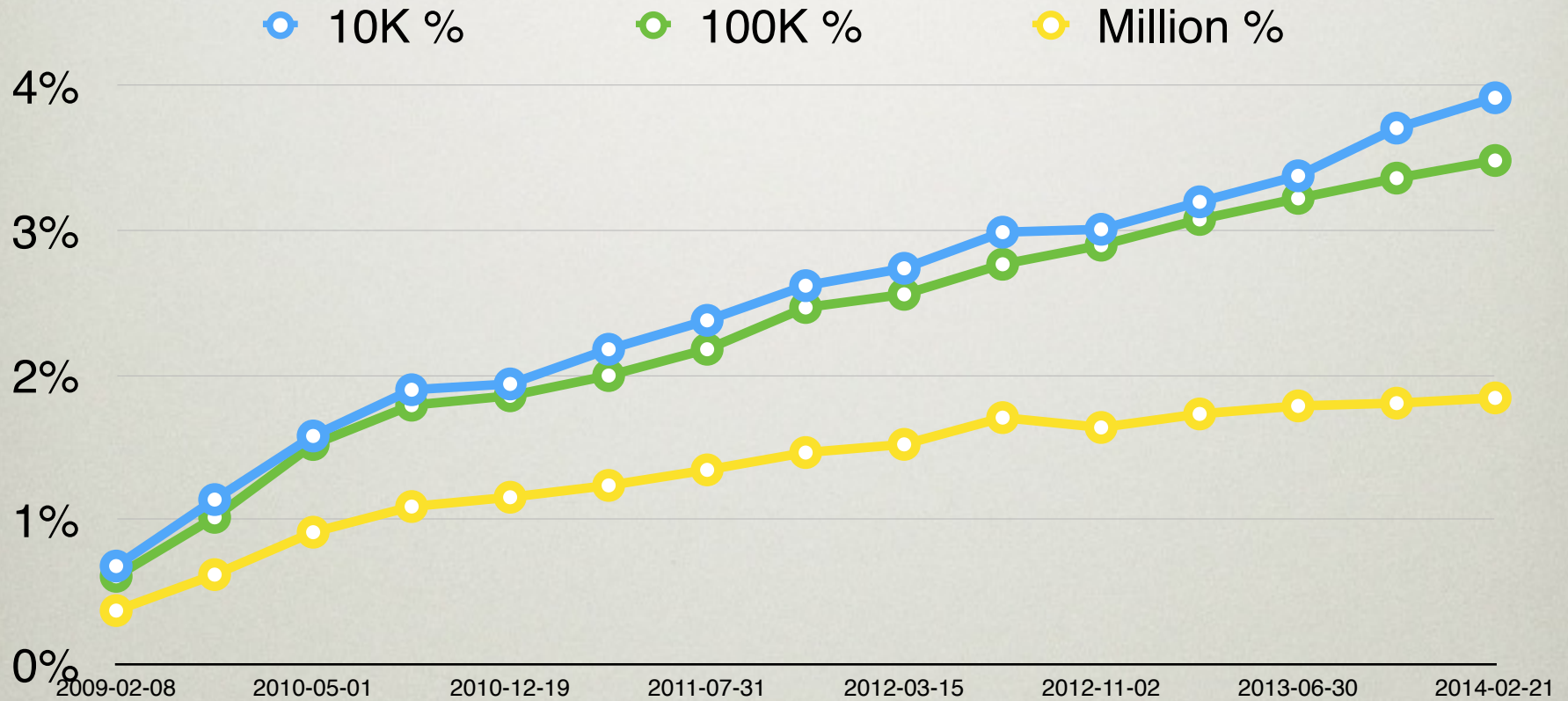
Direction



Direction

- Larger codebase
- More dependencies (on external libraries)
- Symfony-framework based HTTP Kernel
- All* OOP code & design patterns
- Dependency Injection
- Going enterprise

Direction



Drupal marketshare by site traffic



What do we do about it?

Meritocracy

“ Meritocracy is a philosophy that holds: power should be vested in individuals according to merit.

**Backdrop CMS will be evaluating
ideas
based on merit.**

<http://en.wikipedia.org/wiki/Meritocracy>

Evaluating “Merit”

Who decides what has merit?

What criteria are evaluated
to decide merit?

Evaluating "Merit"

PMC

Project Management Committee



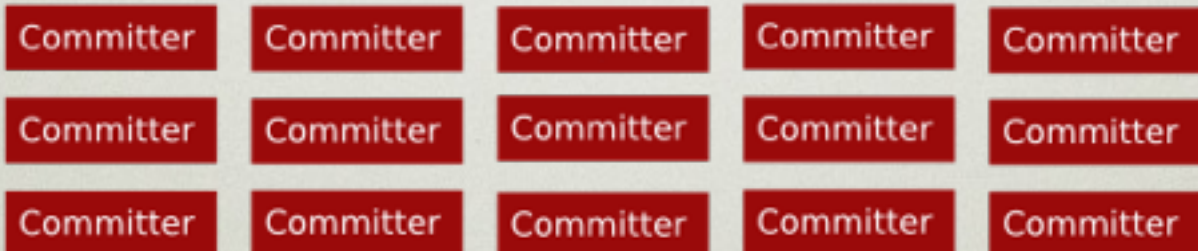
<http://www.apache.org/dev/pmc.html>

Project Management Committee (PMC)



Escalated Issues

Core Committers



Daily Code Review and Merging

Evaluating "Merit"

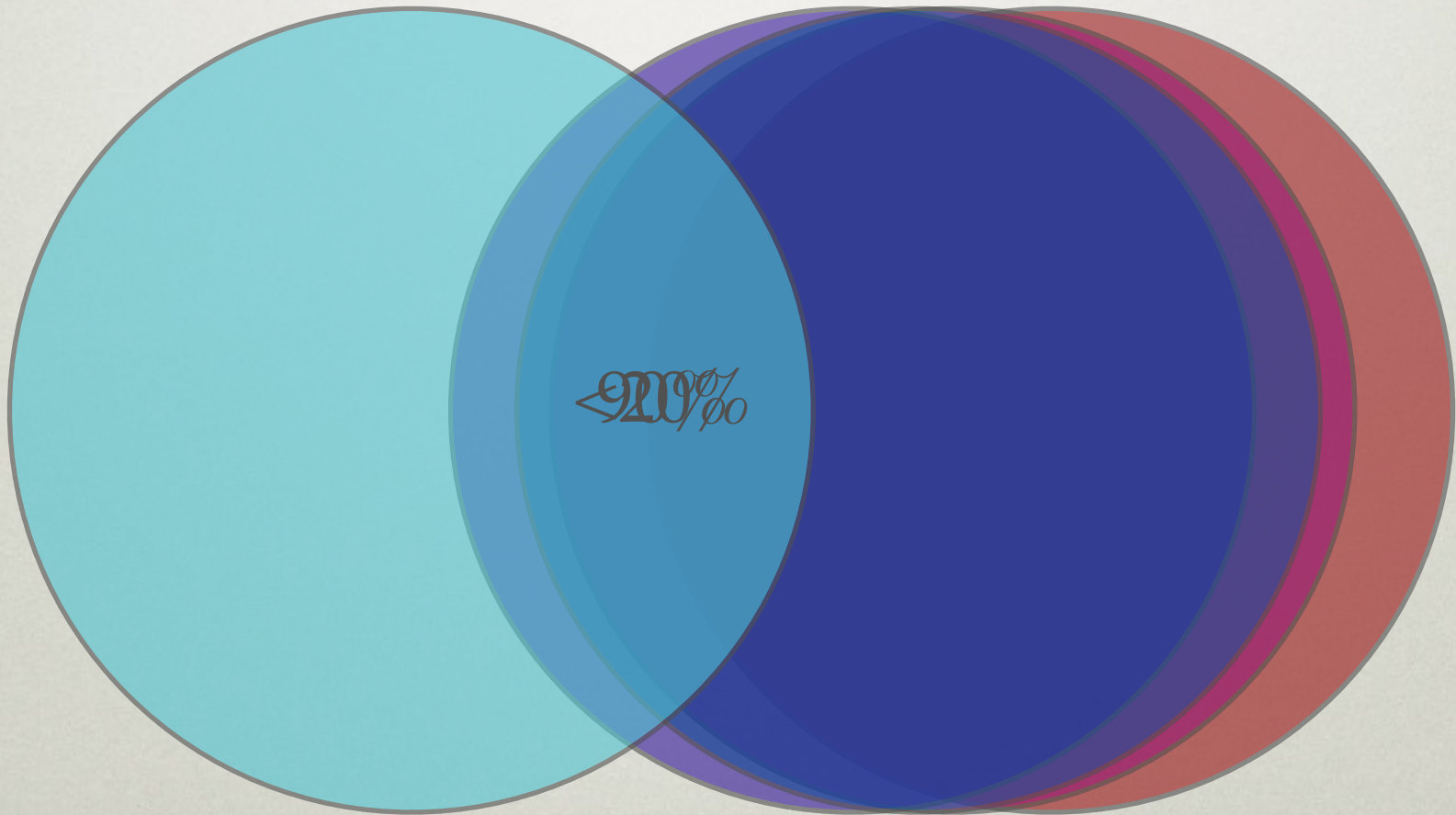
Who decides what has merit?

What criteria are evaluated
to decide merit?

Backdrop CMS Philosophy

1. Keep change to a **minimum**
2. Architect for the **majority** (code)
3. Design for the **majority** (features & UI)
4. Provide **extensibility** (for the minority)
5. Keep **low system requirements**
6. Issue **planned and measured** releases
7. Always remain free and **Open Source**

Keep change to a minimum



Architect for the Majority

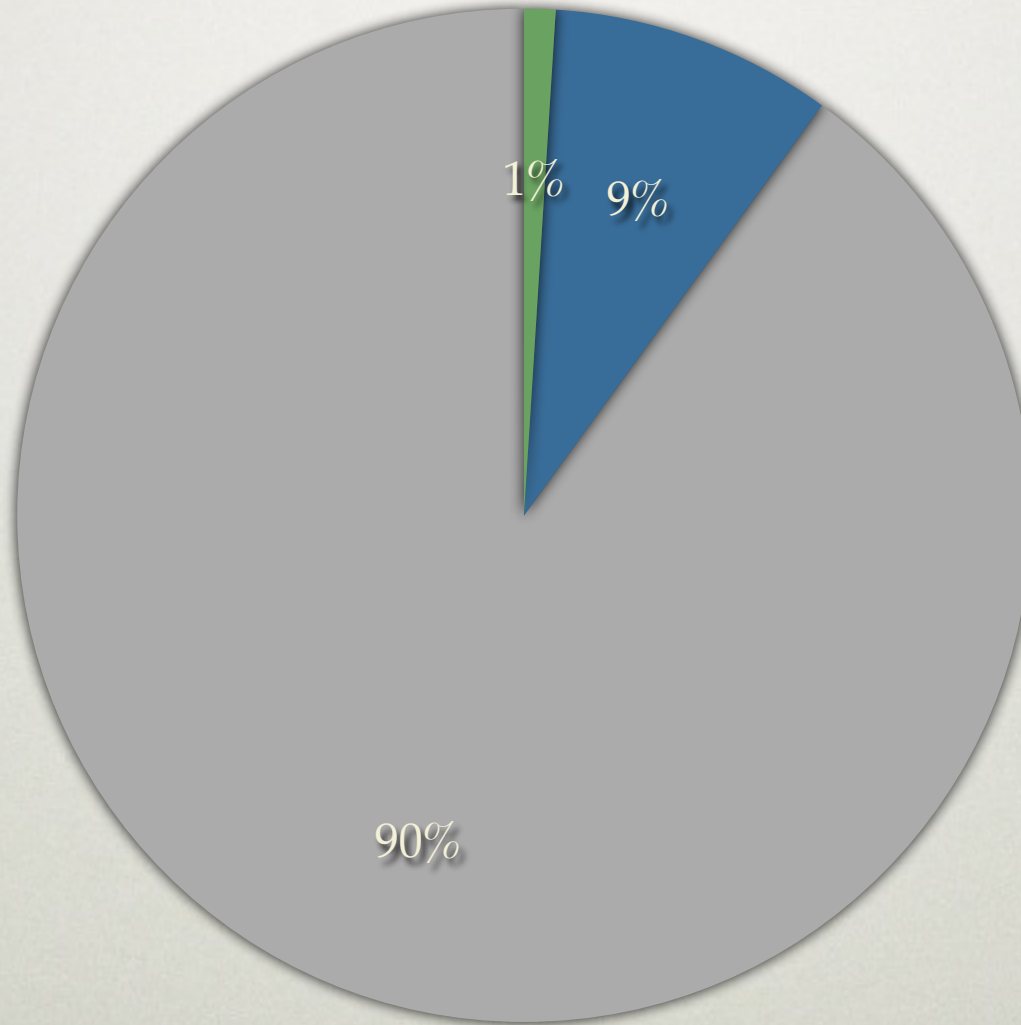
- Use basic language patterns
- Choose direct implementation over abstraction

Better code isn't necessarily
better for the community

Design for the Majority

- Features in core should apply to 80% of all sites.
- Features for the 20% (or less) are left to contrib.

1% Rule



● Creators

● Contributors

● Lurkers

Provide Extensibility

- Maintain stable APIs (even across major releases)*
- The minority can turn to contributed code for their solutions.
- Improve the software iteratively with regular minor releases.

*90% code compatible, as mentioned earlier

When will it be released?

Backdrop CMS

Coming

~~Summer 2014~~

Fall 2014.

Where are we now?

Removed from core

- aggregator
- dashboard
- forum
- help
- openID
- overlay
- PHP
- poll
- RDF
- shortcut
- statistics
- tracker
- trigger
- toolbar
- xml-rpc

[Home](#) » [Administration](#) » [Configuration](#) » [Development](#)

Configuration management

SYNCHRONIZE

SINGLE IMPORT/EXPORT

FULL IMPORT/EXPORT

This form allows you to synchronize configuration between sites, such as in development, staging, and production servers. This page shows you the current differences between your current configuration and changes that have been staged for deployment.

4 configurations changed

NAME	MODIFIED TIME	OPERATIONS
admin_menu.settings	07/17/2014 - 20:23	View differences
image.styles.large	07/17/2014 - 20:23	View differences
menu.settings	07/17/2014 - 20:23	View differences
system.cron	07/17/2014 - 20:23	View differences

1 new configuration

NAME	MODIFIED TIME	OPERATIONS
image.styles.super	07/17/2014 - 20:23	View differences

1 configuration removed

NAME	OPERATIONS
image.styles.thumbnail	View differences

[Import all](#)

Recent comments (Comment)

Modify the display(s) of your view below or add new displays.

Displays

Page
Block
+ Add

edit view name/description ▾

Display name: Page view Page ▾

<p>TITLE</p> <p>Title: Recent comments</p> <p>FORMAT</p> <p>Format: HTML list Settings</p> <p>Show: Fields Settings</p> <p>FIELDS Add ▾</p> <p>(Content) Content: Title (Reply to)</p> <p>Comment: Updated date</p> <p>Comment: Title</p> <p>Comment: Comment</p> <p>FILTER CRITERIA Add ▾</p> <p>(Content) Content: Published or admin</p> <p>SORT CRITERIA Add ▾</p> <p>Comment: Updated date (desc)</p>	<p>PAGE SETTINGS</p> <p>Path: /comments/recent</p> <p>Menu: No menu</p> <p>Access: None</p> <p>HEADER Add</p> <p>FOOTER Add</p> <p>PAGER</p> <p>Use pager: Display a specified number of items 5 items</p> <p>More link: Yes</p>	<p>CONTEXTUAL FILTERS Add</p> <p>RELATIONSHIPS Add ▾</p> <p>Comment: Content</p> <p>NO RESULTS BEHAVIOR Add</p> <p>EXPOSED FORM</p> <p>Exposed form in block: No</p> <p>Exposed form style: Basic Settings</p> <p>OTHER</p> <p>Machine Name: page</p> <p>Comment: No comment</p> <p>Use AJAX: No</p> <p>Hide attachments in summary: No</p> <p>Hide contextual links: No</p> <p>Use aggregation: No</p> <p>Query settings: Settings</p>
--	--	---

Layouts

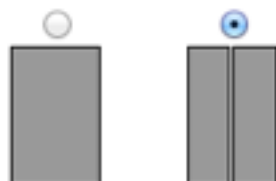
LAYOUT

SETTINGS

Layout title

Article Content Machine name: article_content [Edit]

Layout



Single column Two column

Path

node/%

Use the "%" (percent) symbol to indicate a wildcard in the path. i.e. "node/%" or "node/%/edit".

Contexts

CONEXT	TYPE
Position 2: node/%	Node from path

Contexts define what blocks are available within this layout. Most wildcards in the path will be associated with a context automatically.

Conditions

User has the role administrator [Remove](#) [Configure](#)

+ Add condition

Conditions allow this layout to selectively apply to different situations, such as different types of content at the same wildcard path.

Save settings

Edit layout settings

LAYOUT

SETTINGS

Title type

Default title

Left side

Add content

User menu

Configure

Syndicate

Configure

Right side

Add content

User login

Configure

Search

Configure

Powered by Backdrop

Configure

Save layout

Cancel

Structure | backdrop

- Content
- Structure**
- Appearance
- People
- Modules
- Configuration
- Reports
- More admin tasks

Add content

Content

Comments

Published comments

Blocks

Configure what block c

Unapproved comments (0)

debars and other regions.

Content types

Manage content types, including default status, front page promotion, comment settings, etc.

Layouts

Create new landing pages or modify the layout of existing pages on your site.

Menus

Add new menus to your site, edit existing menus, and rename and reorganize menu links.

Taxonomy

Manage tagging, categorization, and classification of your content.

Menu search

0 / 1

nate

Log out

Backdrop CMS Roadmap

1. Configuration Management
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3. Revamped Block/
Layout System
4. Built-in WYSIWYG
Support
5. Improved Editorial
Experience
6. Improved Mobile
Support
7. HTML5 Markup and
Fields
8. Improved Performance
9. Reduced theme system
complexity
10. Improved
Multilingual Support

We need more help

- Issues / code changes happening on github
- Google Hangouts every Thursday 1pm PT
- Sprints every Thursday #backdrop

IRC: #backdrop

<http://backdropcms.org>

github.com/backdrop/backdrop

github.com/backdrop/backdrop-issues

@BackdropCMS @jenlampton @quicksketch

Questions?

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backdrop



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Jen Lampton ~ @jenlampton | Nate Haug ~ @quicksketch

Image credits

- Scales:
<http://thescifichristian.com/2013/09/tng-theology-remember-me>
- Raised hands:
<http://frenchspin.com/en/site/everything/articles>
- Distress:
<http://www.salvilaw.com/practice-areas/personal-injury-lawyers/emotional-distress>
- USS Enterprise:
<http://thescifichristian.com/2013/09/tng-theology-remember-me>