

backdrop



A CMS for small-medium business & non-profits.

Jen Lampton & Nate Haug

@BackdropCMS @jenlampton @quicksketch

























Different tools

for different jobs





We are the Founding Forkers

Jen Lampton & Nate Haug

We are

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"

We are

Drupal Developers

- Habitat for Humanity
- The Grammys
- Oxfam International
- Harvard
- Bay Area Rapid Transit
- Tesla Motors
- etc, etc, etc.

We are

Core Contributors

Nate

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

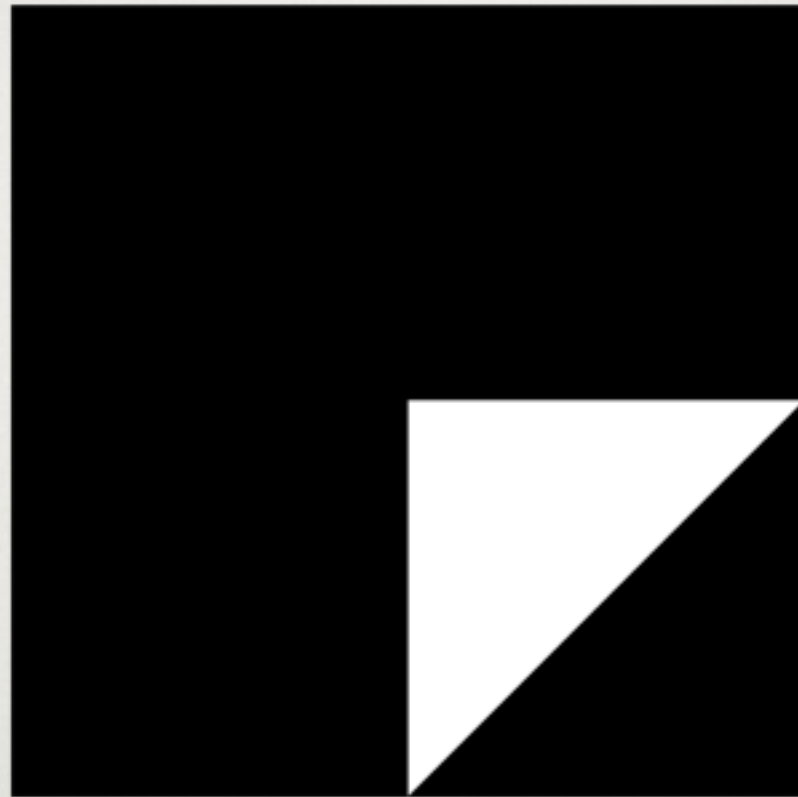
Jen

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

We are

Community Advocates

- Lead Organizer, BADCamp
- Organizing Committee, DrupalCon SF 2010
- Berkeley DUG member since 2006
- San Francisco DUG member since 2009
- East Bay DUG members since 2013
- **Spoken @ 70+ Drupal Camps & Cons, combined.**



Backdrop CMS

Backdrop CMS Roadmap

1. Built-in Configuration Management
2. Built-in Views Module
3. Revamped Block/ Layout System
4. Built-in Rich-Text Editing
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



DrupalTM

Why create a fork?

What's different?

1. General **Direction** of the project
2. **Decision making** process
3. Project **principals & philosophy**

Direction

Drupal 8 is going enterprise





Direction

Project

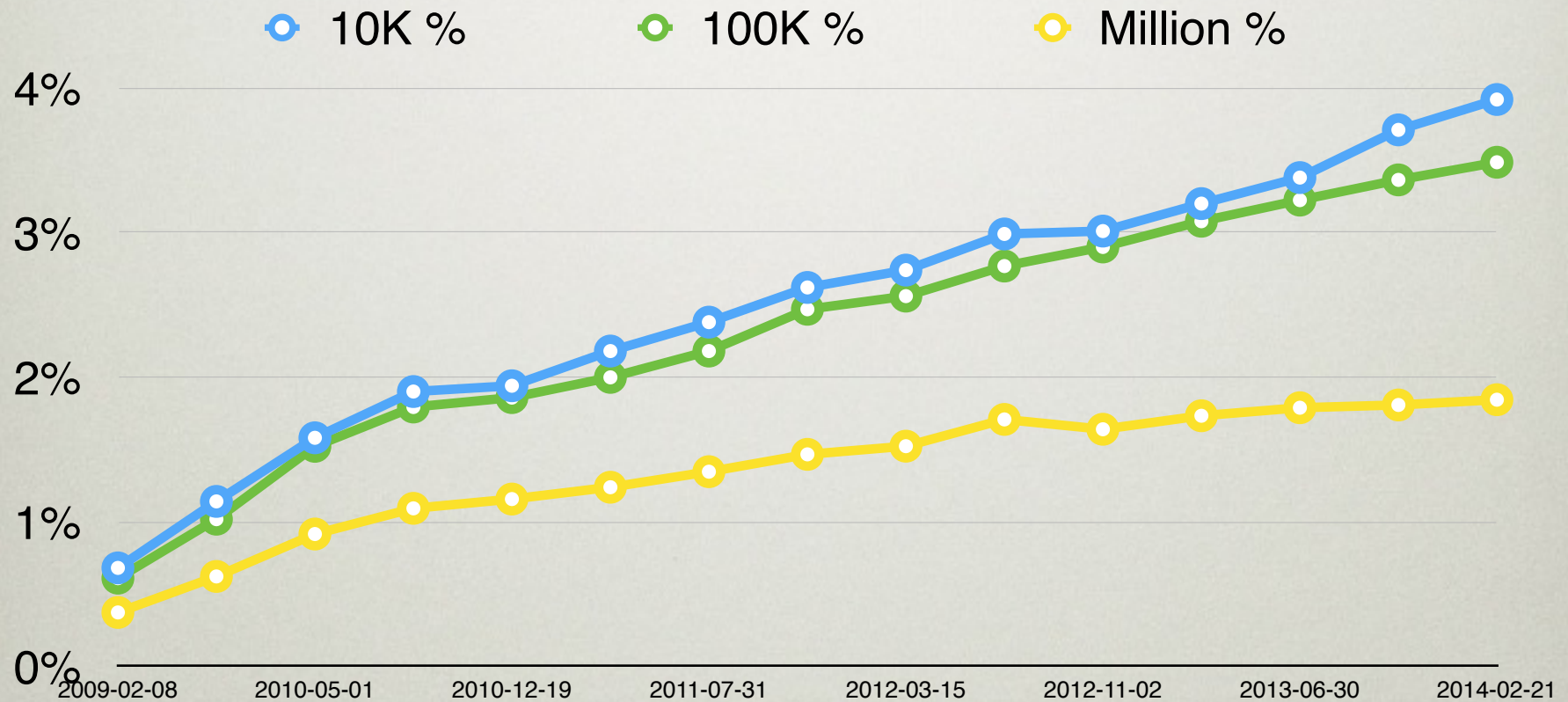
“Drupal 8 beta is the latest, greatest release of the world's most widely used enterprise web CMS.

<http://drupal.com/why-drupal-8>



Direction

Sites



Drupal marketshare by site traffic



Direction

Code

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

Decision making process





Do-acracy

Getting things done

“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



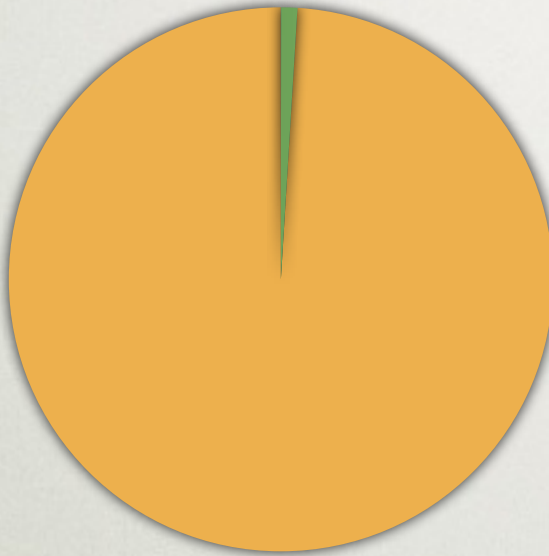
Example (pro)

TWIG



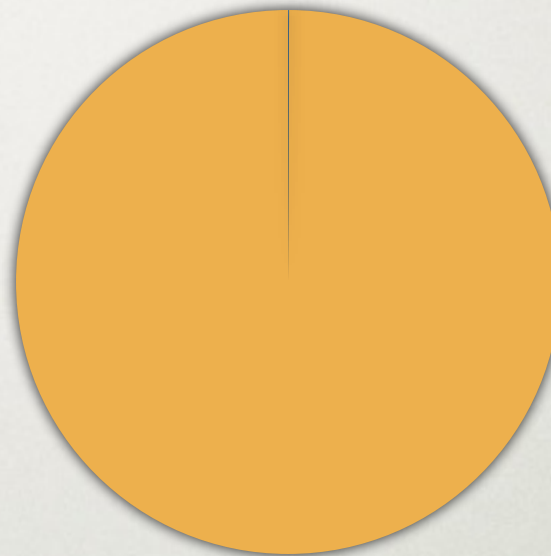


Example (con)



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%



Decision making process

Who decides?

What criteria are evaluated?



Who decides?

PMC

Project Management Committee



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

PMC



Escalated Issues

Core Committers

Committer	Committer	Committer	Committer	Committer
Committer	Committer	Committer	Committer	Committer
Committer	Committer	Committer	Committer	Committer

Daily Code Review and Merging



What criteria?

Who decides?

What criteria are evaluated?

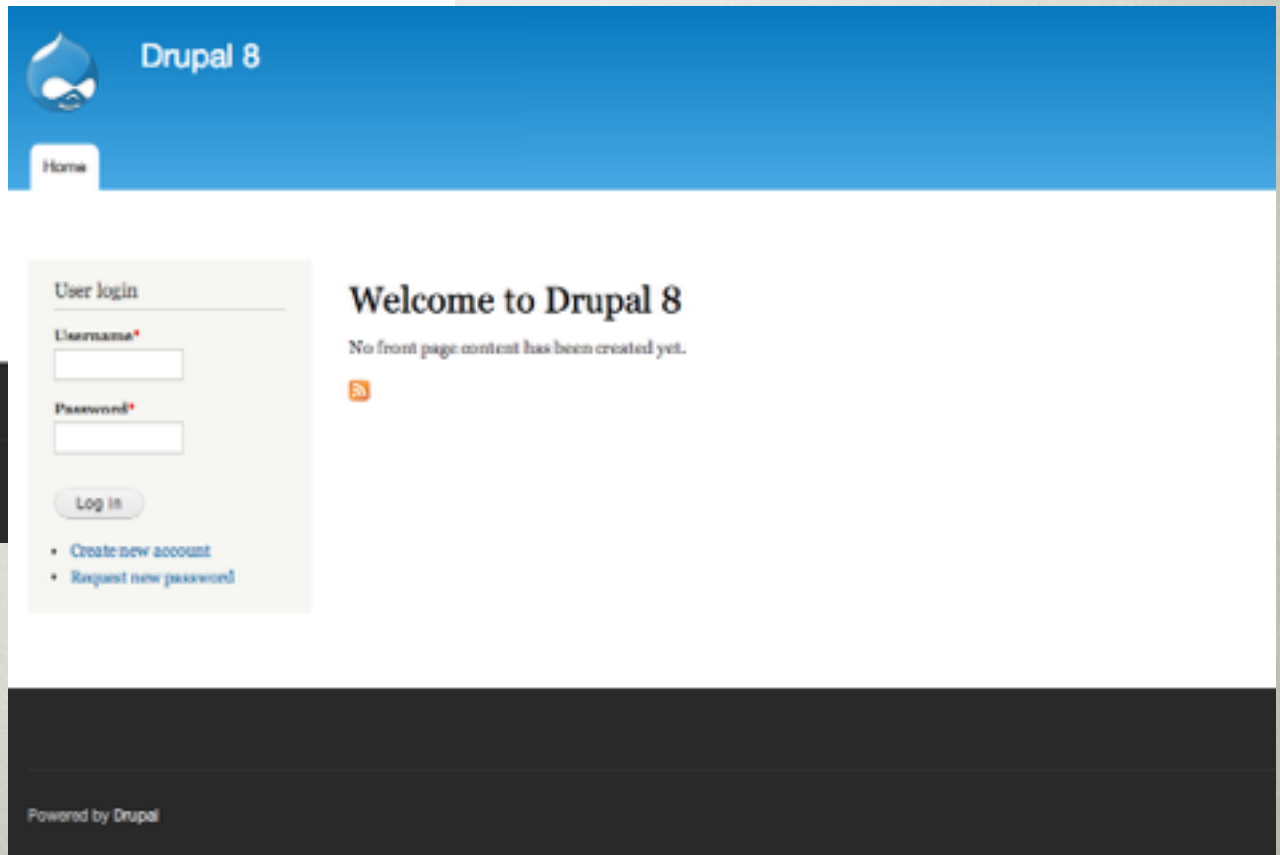
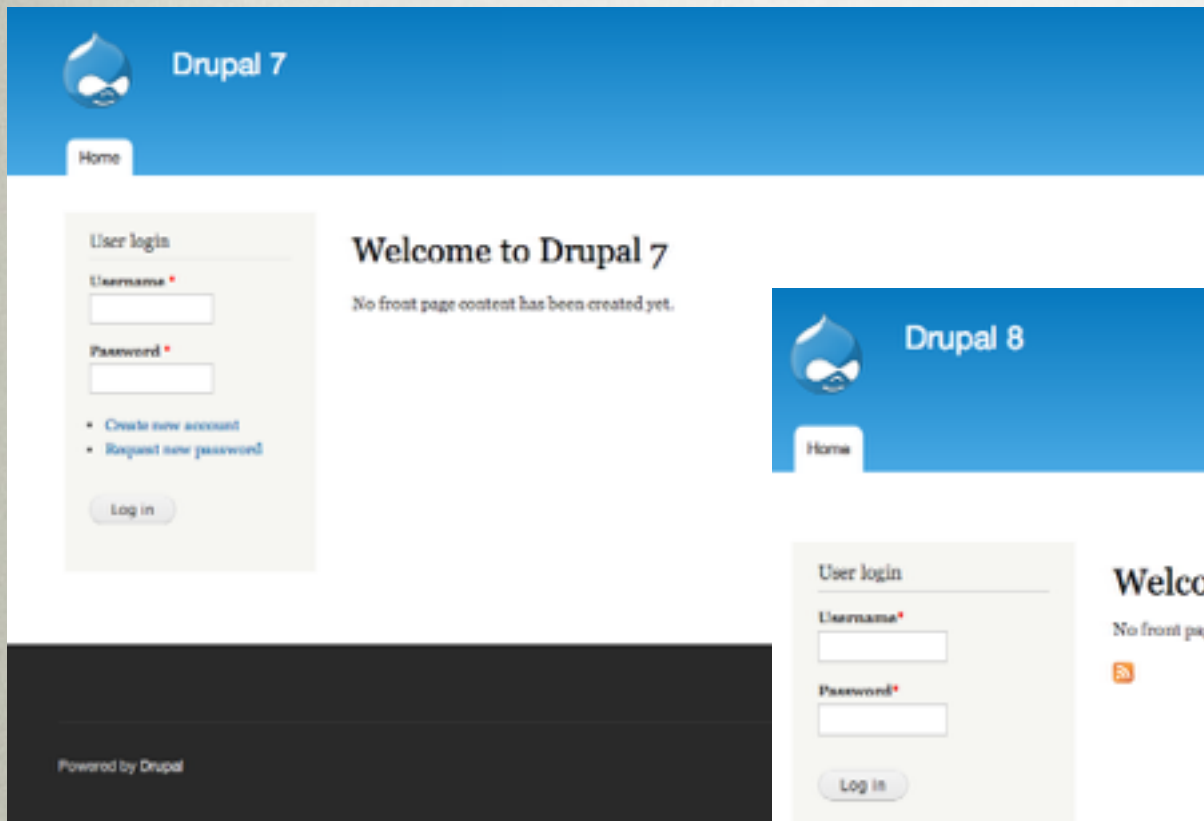
Backdrop CMS Principles

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

<https://backdropcms.org/about/philosophy>




Change





Change



Drupal 7

Home

User login

Username *


Password *

Create new account

Request new password

Log in

Powered by Drupal



Drupal 8

Home

User login

Username *

Password *

Create new account

Request new password

Powered by Drupal

modules

- comment
- comment-admin
- comment-api
- comment-field
- comment-form
- comment-module
- comment-pages
- comment-test
- comment-widgets
- comment-widgets

```
function comment_entity_info() {  
  return array(  
    'label' => t('Comment'),  
    'base table' => 'comment',  
    'uri callback' => 'comment_url',  
    'table' => TRUE,  
    'controller class' => 'CommentController',  
    'entity type' => array(  
      'id' => 'cid',  
      'bundle' => 'node_type',  
      'label' => 'subject',  
      'language' => 'language',  
    ),  
  );  
}
```

comment

- comment-entity-form.js
- comment-api.php
- comment-info.yml
- comment-install
- comment-libraries.yml
- comment-local_tasks.yml
- comment-menu_links.yml
- comment-module
- comment-routing.yml
- comment-services.yml
- comment-widgets.yml
- comment-widgets

```
class CommentManager implements CommentManagerInterface {  
  // ...  
  // The field info service.  
  // ...  
  // The entity manager service.  
  // ...  
  // The current user.  
  // ...  
  // Whether the DRUPAL_AUTHENTICATED_R3D can post comments.  
  // ...  
  // The user contains profile object.  
}
```



Change

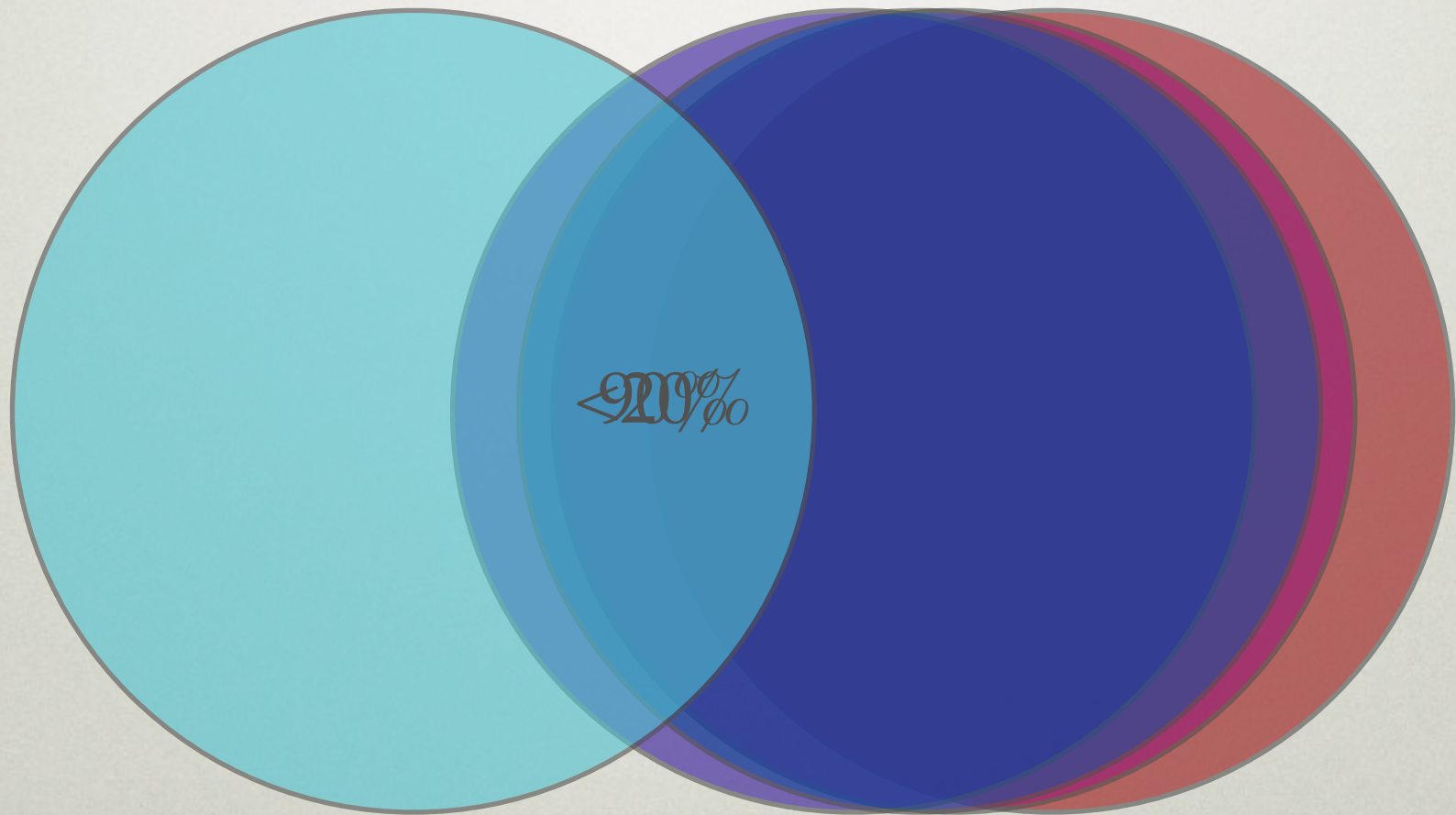
9,322

contributed modules

for Drupal 7 alone

(not including sandbox projects)

Change



Architect for the Majority

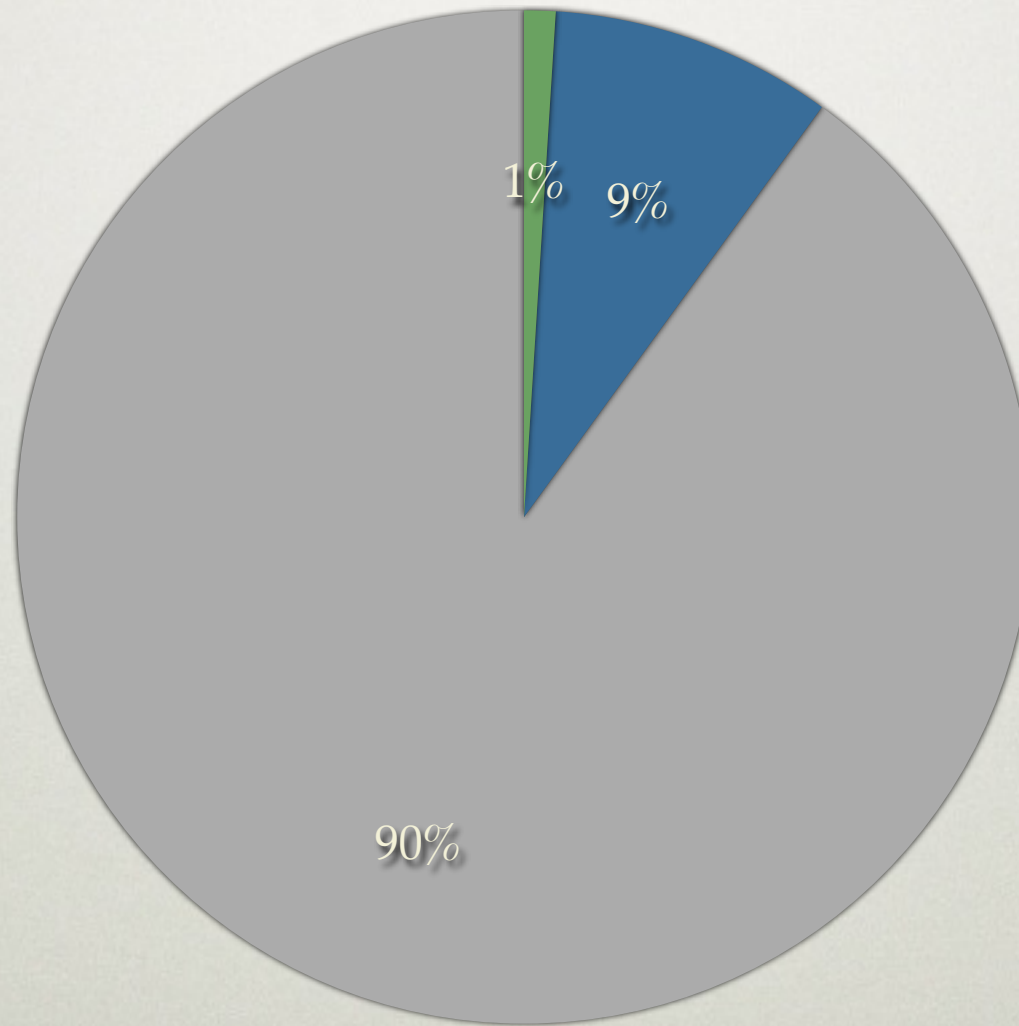
- Use basic language patterns
- Choose direct implementation over abstraction

**Better code isn't necessarily
better for the community**

Design for the Majority

- Features in core should apply to 80% of all sites.
- **Remove** modules that don't meet this criteria.
- Only add new features that do.

Web: 1% Rule

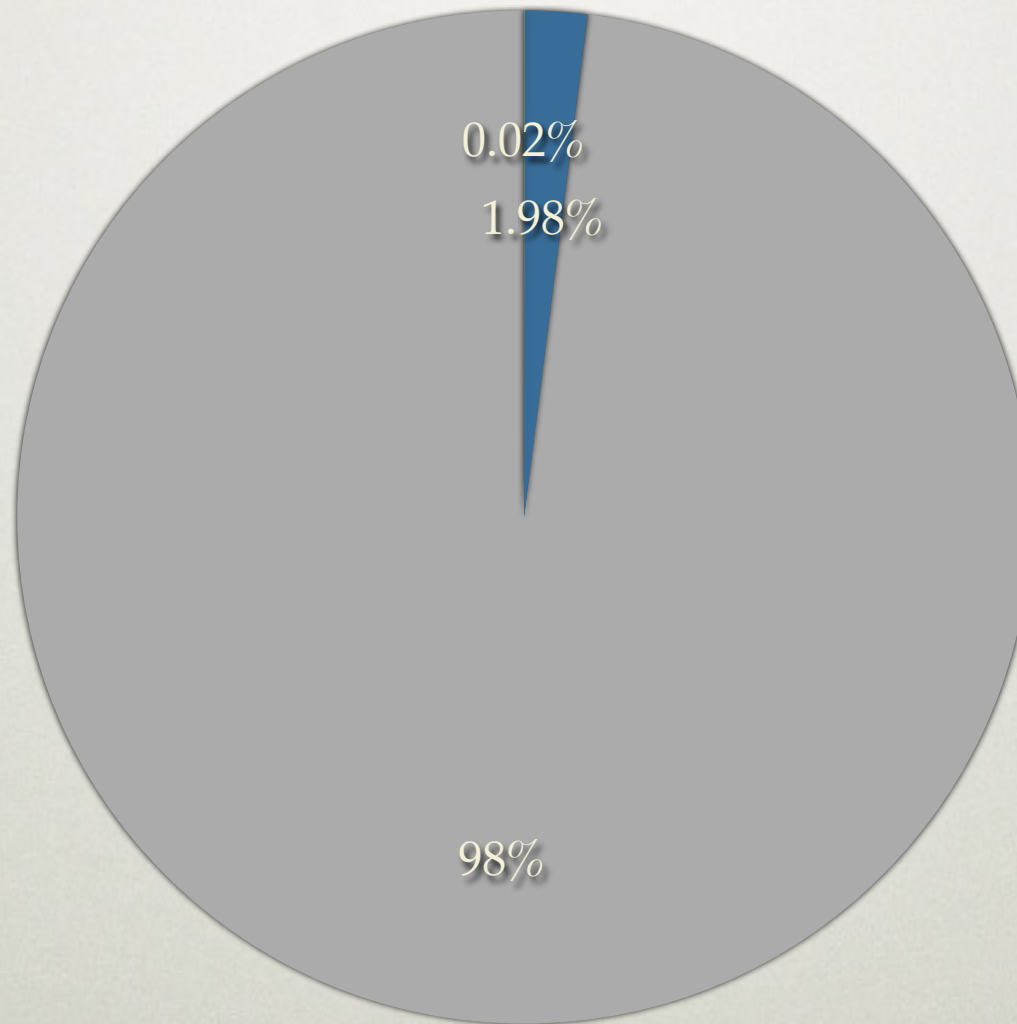


● Creators

● Contributors

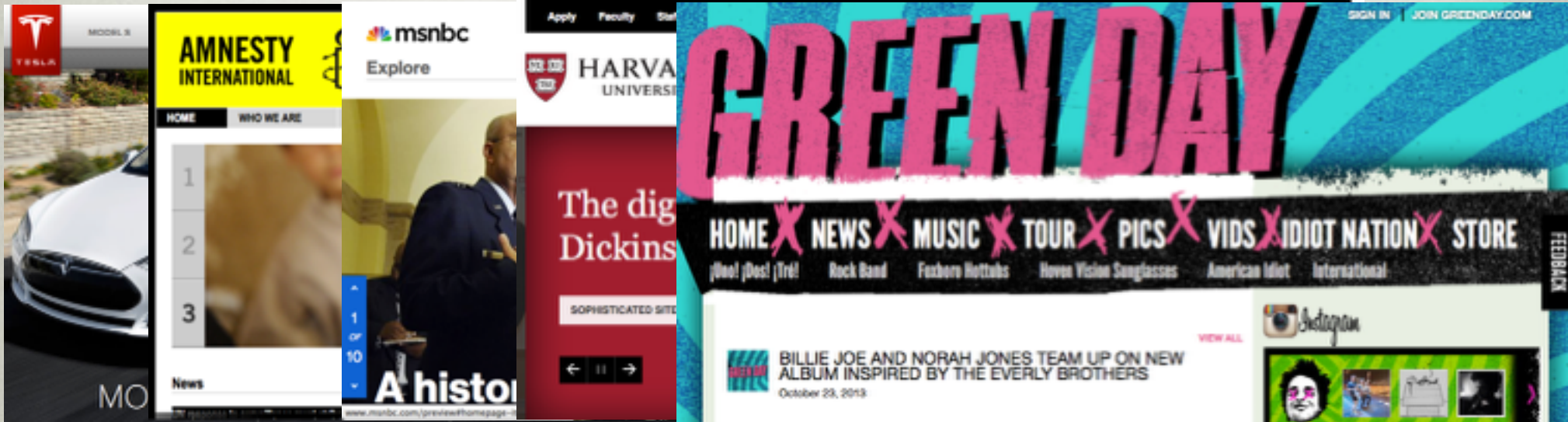
● Lurkers

Drupal: 0.02% Rule?



● Core developers ● Active contributors ● Consumers

Extensibility



- Powerful core that provides the most commonly utilized functionality.
- Flexible APIs that allow many extensions so each website can be unique.

Low system requirements

- PHP 5.3.2 or higher
- Runs faster than Drupal 7
- Keep software available to broadest audience possible.

<https://backdropcms.org/guide/requirements>

Scheduled Releases

1

.

2

.

3

Major

Incompatible
API changes

(3 years?)

Minor

Backwards-
compatible feature
and API additions

(4 months)

Patch

Backwards-
compatible bug
fixes

(as needed)

backdropcms.org/about/releases

Scheduled Releases

Bug fixes

- Solve problems for the stable release **first**
- Today's problems get fixed today!

backdropcms.org/about/releases

Open Source

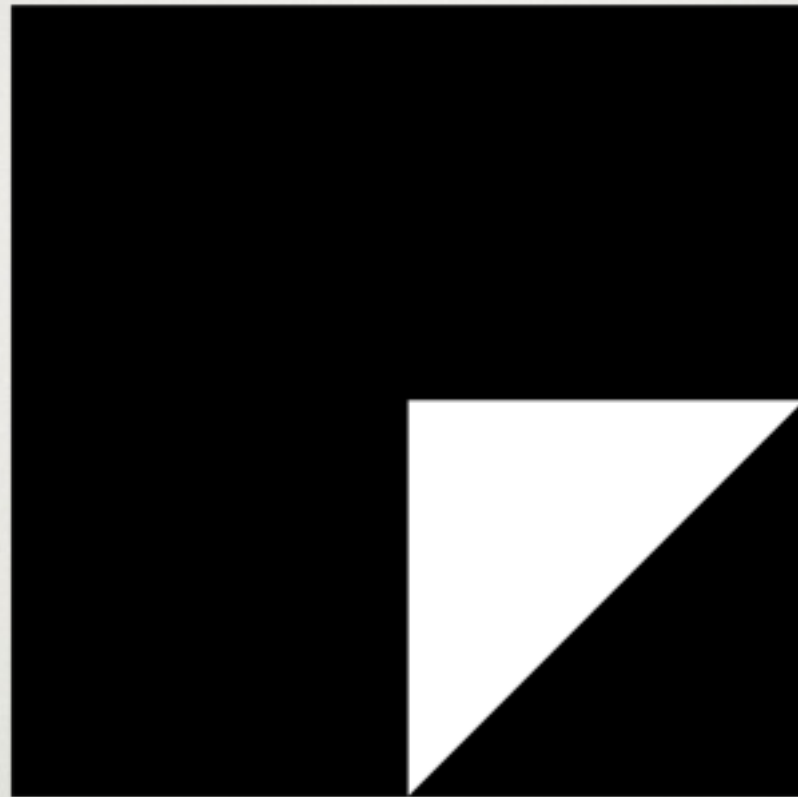
- Backdrop CMS is Free
- Backdrop CMS is Open Source
- Keep software available to broadest audience possible.

<https://backdropcms.org/about/license>

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<https://backdropcms.org/about/philosophy>



Where are we now?

Removed from core

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

Configuration Management

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

Home » Administration » Structure » Views
Recent comments (Comment)

Views (in core)

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

TITLE

Title: Recent comments

FORMAT

Format: [HTML list](#) | [Settings](#)

Show: [Fields](#) | [Settings](#)

FIELDS

Add

(Content) Content: Title (Reply to)

Comment: Updated date

Comment: Title

Comment: Comment

FILTER CRITERIA

Add

(Content) Content: Published or admin

SORT CRITERIA

Add

Comment: Updated date (desc)

PAGE SETTINGS

Path: [/comments/recent](#)

Menu: No menu

Access: None

HEADER

Add

FOOTER

Add

PAGER

Use pager: [Display a specified number of items](#)
| 5 items

More link: Yes

CONTEXTUAL FILTERS

Add

RELATIONSHIPS

Add

[Comment: Content](#)

NO RESULTS BEHAVIOR

Add

EXPOSED FORM

Exposed form in block: No

Exposed form style: [Basic](#) | [Settings](#)

OTHER

Machine Name: [page](#)

Comment: No comment

Use AJAX: No

Hide attachments in summary: No

Hide contextual links: No

Use aggregation: No

Query settings: [Settings](#)

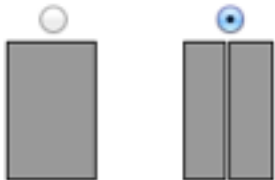
Blocks & Layouts Revamp

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

Home » Administration » Structure » Layouts

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

Improved Mobile Support

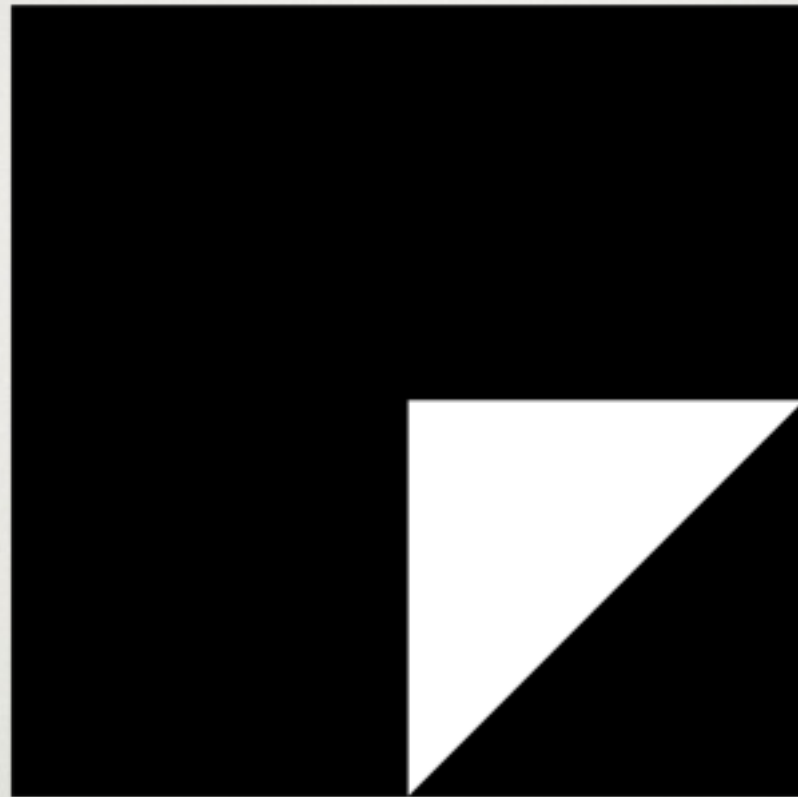
The screenshot displays a mobile-optimized Drupal administration interface. At the top, a dark navigation bar contains tabs for 'Content', 'Structure' (which is active), 'Appearance', 'People', 'Modules', 'Configuration', and 'Reports'. To the right of these tabs is a 'More admin tasks' button. Below the navigation bar, a 'Menu search' input field is visible, followed by a user count '0 / 1' and a 'Log out' button. The main content area lists several administrative tasks, each with a right-pointing arrow icon and a brief description:

- Blocks**: Configure what block c...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.

On the left side of the screen, a 'Comments' menu is open, showing options for 'Published comments' and 'Unapproved comments (0)'. The background of the interface is a light gray with a subtle pattern.

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When will it be released?

Backdrop CMS

Coming

Fall 2014

Different tools

Backdrop CMS



Get involved

Google Hangouts every Thursday 1pm PT

Sprints every Thursday #backdrop

IRC: #backdrop

<http://backdropcms.org>

github.com/backdrop/backdrop

@BackdropCMS @jenlampton @quicksketch

Questions?

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Image credits

tree: <http://nationaluasi.com/dru/node/107>

logs: <http://thetwoterriers.blogspot.com/2013/02/a-new-woodstack.html>

idea: <http://www.clker.com/clipart-6937.html>

bubble: <http://www.clker.com/clipart-cartoon-thought-bubble.html>

bike: <https://www.missionbicycle.com/bikes>

Toyota truck: <http://www.newcars.com/toyota/tacoma/2010>

Chevy truck: <http://www.edmunds.com/chevrolet/silverado-2500hd/2015/>

Firetruck: http://gta.wikia.com/Fire_Truck

Tundra truck: <http://bodyarmor4x4.com/ba/extreme-off-road/roof-racks/>

Scales: <http://thescifichristian.com/2013/09/tng-theology-remember-me>

USS Enterprise: <http://thescifichristian.com/2013/09/tng-theology-remember-me>

Raised hands: <http://frenchspin.com/en/site/everything/articles>