

Global Training Days 2014

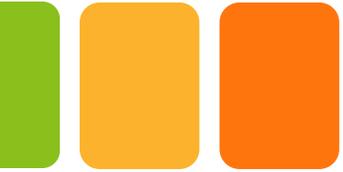
オープンソースCMS Drupalを学ぶ

程田 和義



Agenda

1. Drupalとは
2. Drupalでサイト構築するときは
3. 例えば、画像の設定では
4. モジュールの概要
5. デザインテーマ
6. カスタムモジュール
7. Drupal 8 の概要
8. Acquia DevDestop 2 で Drupal 8 ハンズオン
9. 大学の授業で活用している事例(東京大学の浜田忠久さん)
10. 質疑応答



Drupalとは

The Lego analogy



https://twitter.com/#!/tom_eric/status/26847650412

Levels of customization



Attribution 2.0 Generic (CC BY 2.0)

By Sirius™

<http://www.flickr.com/photos/sontranphotos/6305186977/>



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By V&A Steamworks

<http://www.flickr.com/photos/32482342@N05/6232526245/>

Components v Kits



Attribution-NoDerivs 2.0 Generic (CC BY-ND 2.0)

by [JuditK](#)

<http://www.flickr.com/photos/juditk/5879492679/>



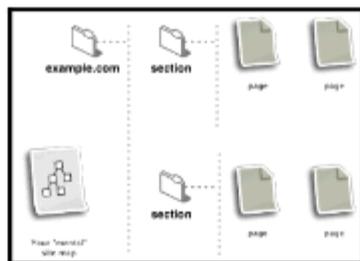
Attribution 2.0 Generic (CC BY 2.0)

By [creative.paradox](#)

<http://www.flickr.com/photos/edmands/2771878770/>

Drupal のコンセプト

Assembling your website

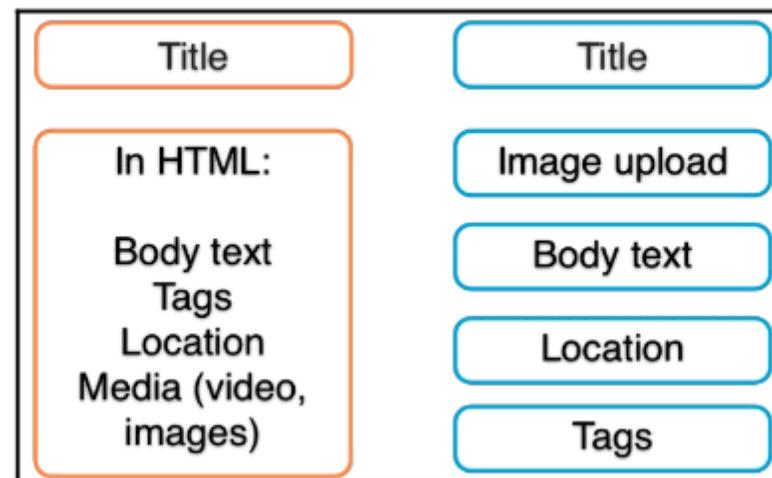


Your mental model might be like this.

- You use Drupal to assemble sites with data.
- Drupal surprises users who expect "structure first". Drupal is "data first".
- The computing metaphor of "folders" and "documents" is compelling. Beware!

Structured data

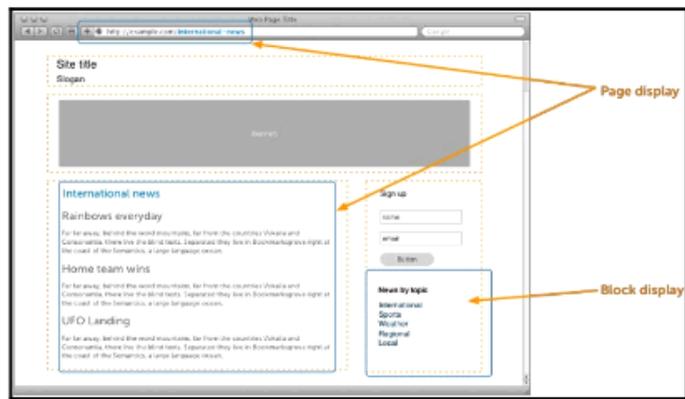
Compare these two data models. How can you control content input and display with either?



Unstructured text on the left, structured data (fields) on the right.

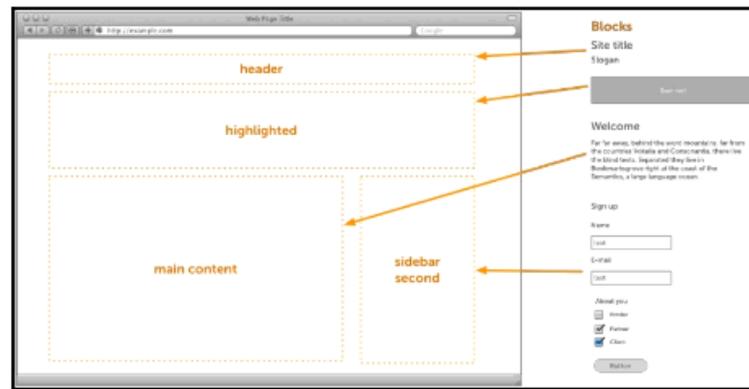


First: Site Building



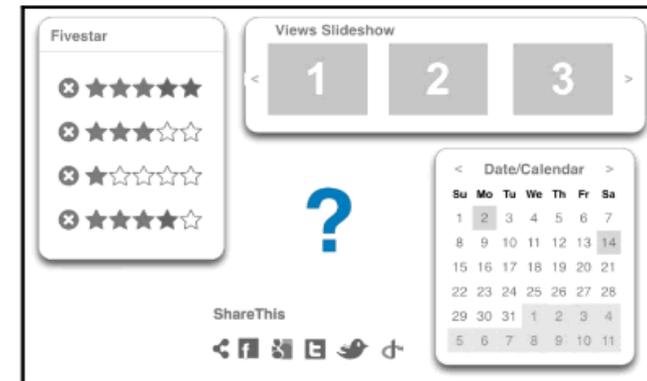
Site building is everything you can do in the UI layer of Drupal

Second: Layout and theming



Layout and theming combines Drupal site building and coding in PHP/HTML/CSS/JS.

Third: Custom coding with modules



Modules answer questions such as "Can Drupal do X?"



Why choose Drupal

1. Compared to other CMSs:

- Highly configurable functionality and UX.
- Extendable with API and custom themes.

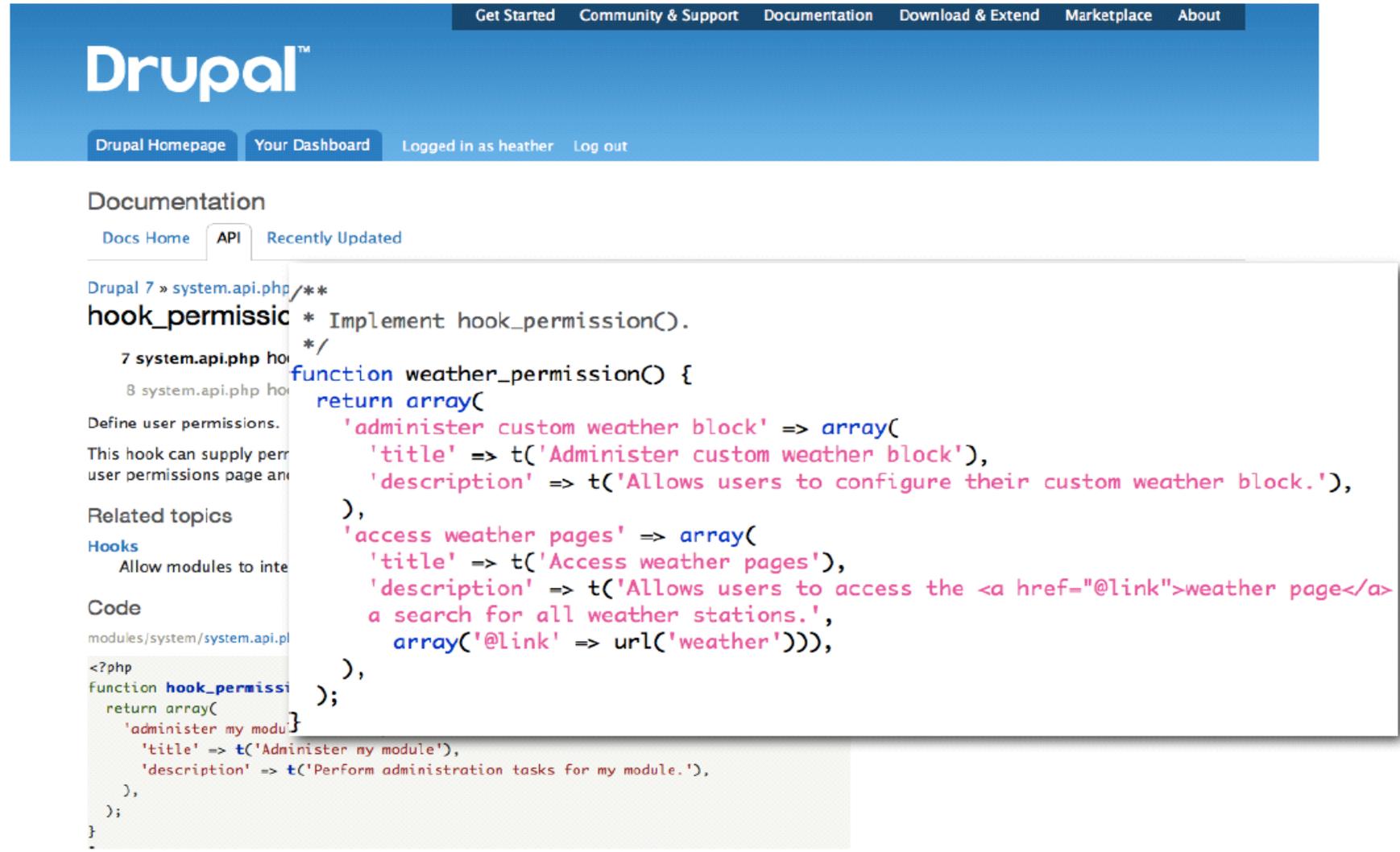
2. Compared to frameworks:

- Time/effort saved with sub-systems.
- Time/effort saves with distributions.

3. A large ecosystem of **service providers** and specialists.

4. Large and **active community**.

Extensible API



Get Started Community & Support Documentation Download & Extend Marketplace About

Drupal™

Drupal Homepage Your Dashboard Logged in as heather Log out

Documentation

Docs Home API Recently Updated

Drupal 7 » system.api.php/**
hook_permission() * Implement hook_permission().
*/
7 system.api.php hook_permission() function weather_permission() {
8 system.api.php hook_permission() return array(
Define user permissions. 'administer custom weather block' => array(
This hook can supply permissions. 'title' => t('Administer custom weather block'),
user permissions page and 'description' => t('Allows users to configure their custom weather block.'),
),
Related topics 'access weather pages' => array(
Hooks 'title' => t('Access weather pages'),
Allow modules to integrate 'description' => t('Allows users to access the weather page
a search for all weather stations.',
Code array('@link' => url('weather'))),
modules/system/system.api.php hook_permission() },
<?php hook_permission());
function hook_permission() return array(
'administer my module' => array(
'title' => t('Administer my module'),
'description' => t('Perform administration tasks for my module.'),
)
)
);
}

Customize client UX

The image displays two overlapping screenshots of the Drupal 7 user interface. The background screenshot shows the 'My Workbench' page, which includes a navigation menu at the top (My Workbench, Dashboard, Content, Structure, Appearance, People, Modules, Configuration, Reports, Help), a user profile section for 'siteadmin', and a table of 'All Recent Content'. The foreground screenshot shows the 'Administer' page, which features a sidebar menu with options like 'Create content', 'Devel', 'Administer', 'Content management', 'Site building', 'Site configuration', 'User management', 'Reports', and 'Help'. The main content area of the Administer page is organized into two columns: 'Content management' (with links for Comments, Content, Content types, and Forums) and 'Site building' (with links for Blocks, Menus, Modules, and Themes). A semi-transparent white box with the word 'Workbench' in a cursive font is overlaid on the bottom left of the Administer page.

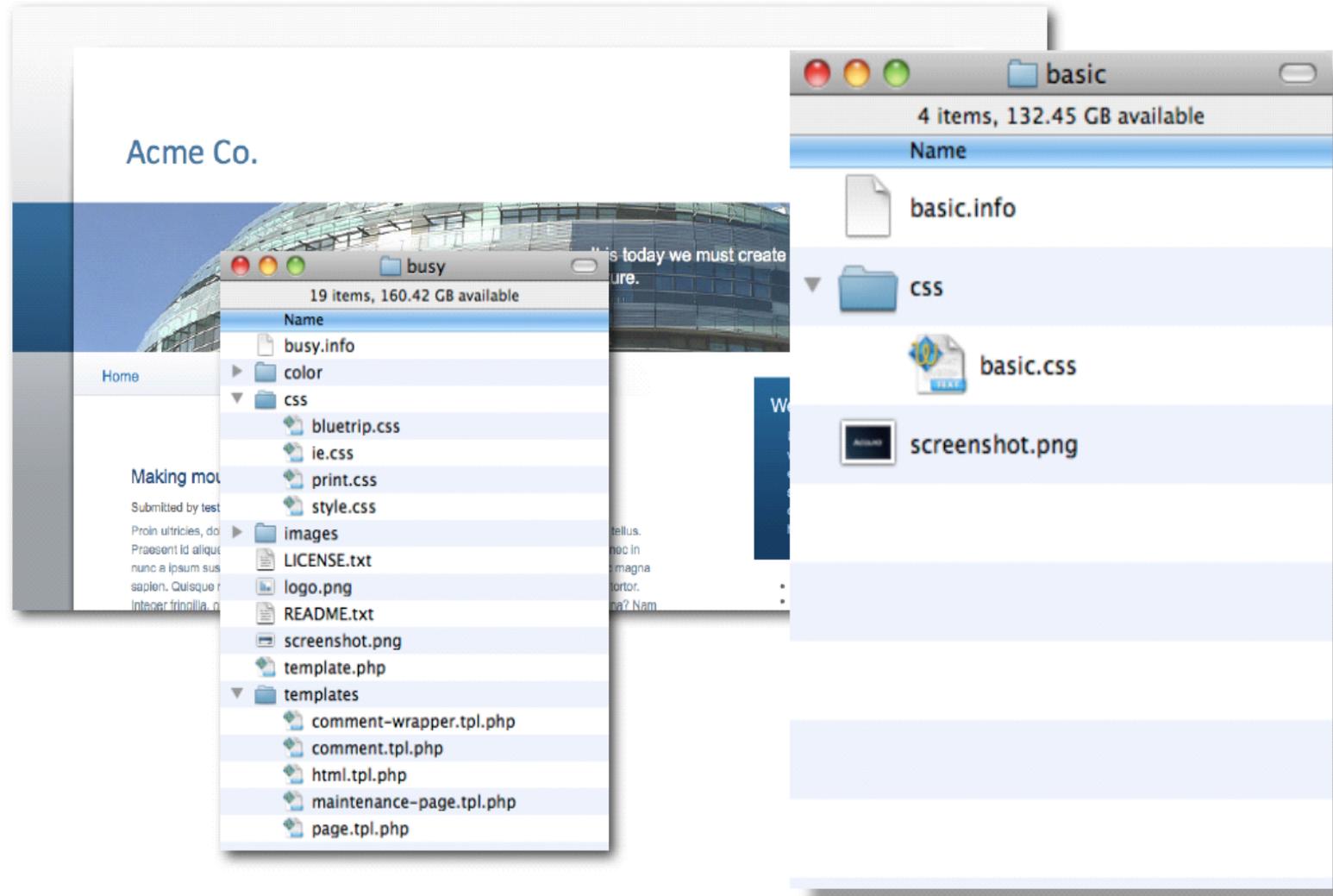
Workbench

Admin with Rubric theme

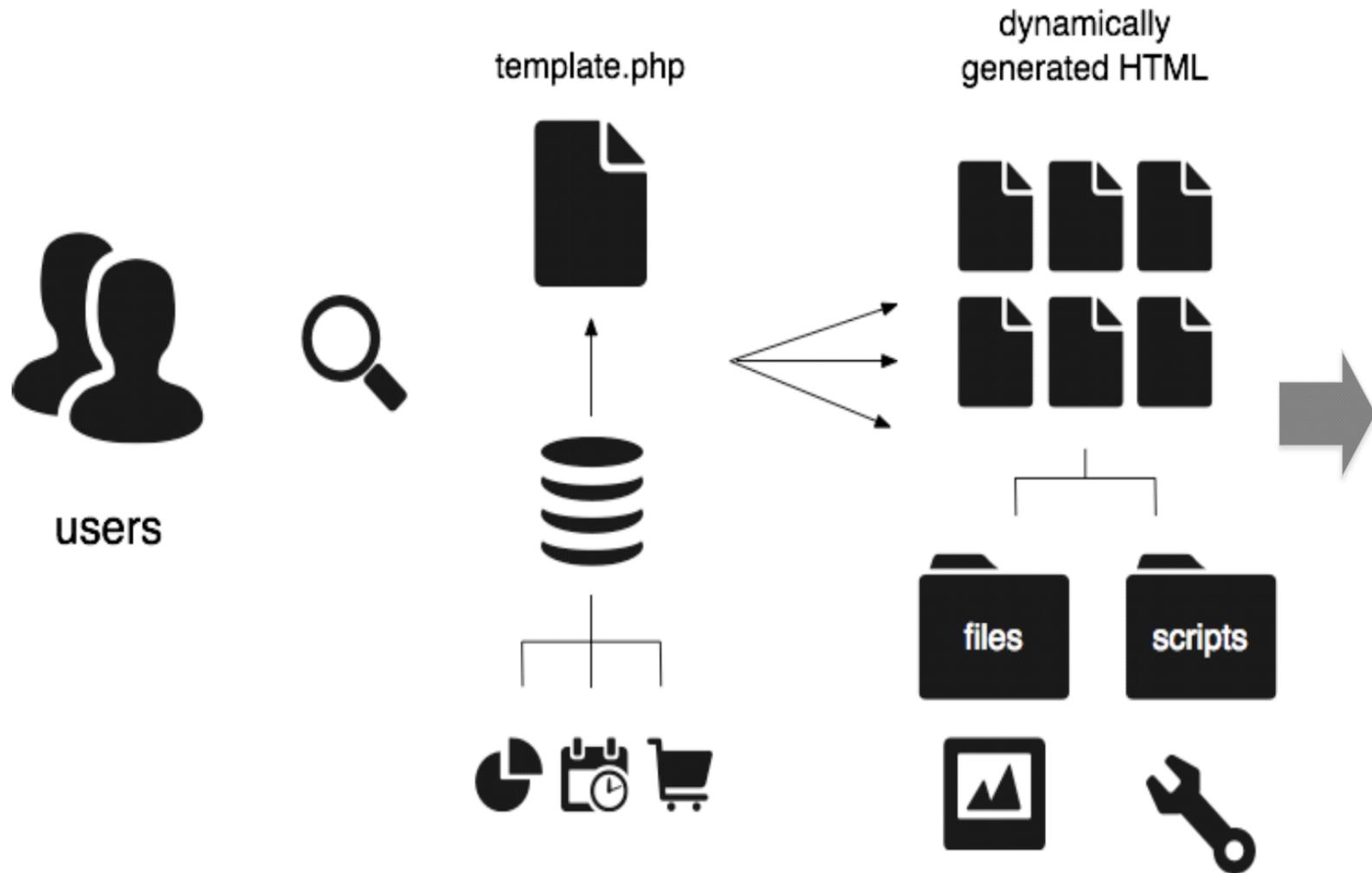
Distributions (packages)



Themes for appearance

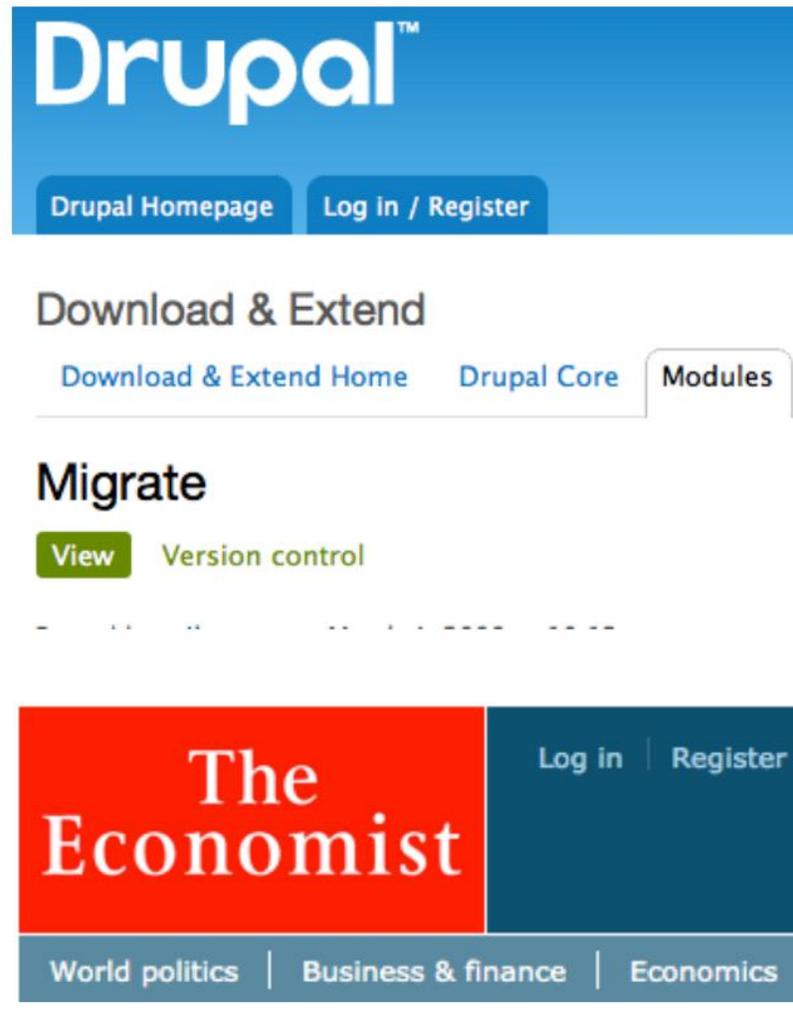


Database driven



Migration

- Migrate module
- Supports migration from other CMS's (WordPress, Typo3 etc.)
- Supports migration from older Drupal versions.



The screenshot displays the Drupal website interface. At the top, the 'Drupal' logo is prominent in white on a blue background. Below it, there are navigation links for 'Drupal Homepage' and 'Log in / Register'. The main content area features a section titled 'Download & Extend' with sub-links for 'Download & Extend Home', 'Drupal Core', and 'Modules'. A 'Migrate' section is highlighted, containing a 'View' button and a link to 'Version control'. Below this, there is a red banner for 'The Economist' with 'Log in' and 'Register' links, and a footer with navigation for 'World politics', 'Business & finance', and 'Economics'.

Field configuration

Submitter Info

Submitter Name: *

Submitter E-Mail: *

Screen Shots:

Choose File No file chosen **UPLOAD**
Maximum Filesize: 500 KB
Allowed Extensions: *jpg gif png*
Images larger than 640x480 pixels will be scaled

Choose File No file chosen **UPLOAD**
Maximum Filesize: 500 KB
Allowed Extensions: *jpg gif png*
Images larger than 640x480 pixels will be scaled

Choose File No file chosen **UPLOAD**
Maximum Filesize: 500 KB
Allowed Extensions: *jpg gif png*
Images larger than 640x480 pixels will be scaled

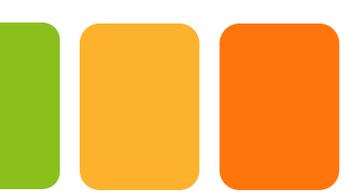
SAVE **PREVIEW**

App EDIT MANAGE FIELDS MANAGE DISPLAY COMMENT FI

| LABEL | NAME | FIELD | WIDGET |
|---|------------------------------|---|----------------|
| + name | title | Node module element | |
| + URL path settings | path | Path module form elements | |
| + Description | body | Long text and summary | Text area wi |
| + Add new field | | | |
| <input type="text" value="Screenshot"/> | field_ screenshot | - Select a field type - | - Select a wid |
| Label | Field name (a-z, 0-9, _) | - Select a field type -
Boolean
Decimal
File
Float
Image
Integer
Link
List (float)
List (integer)
List (text)
Long text | Form elemen |
| + Add existing field | | | |
| <input type="text"/> | - Select an existing field - | | - Select a wid |
| Label | Field to share | | Form elemen |

Save

Drupal content type field configuration



Drupalでサイト構築する時は

What you may be thinking

example.com

news

sports

politics

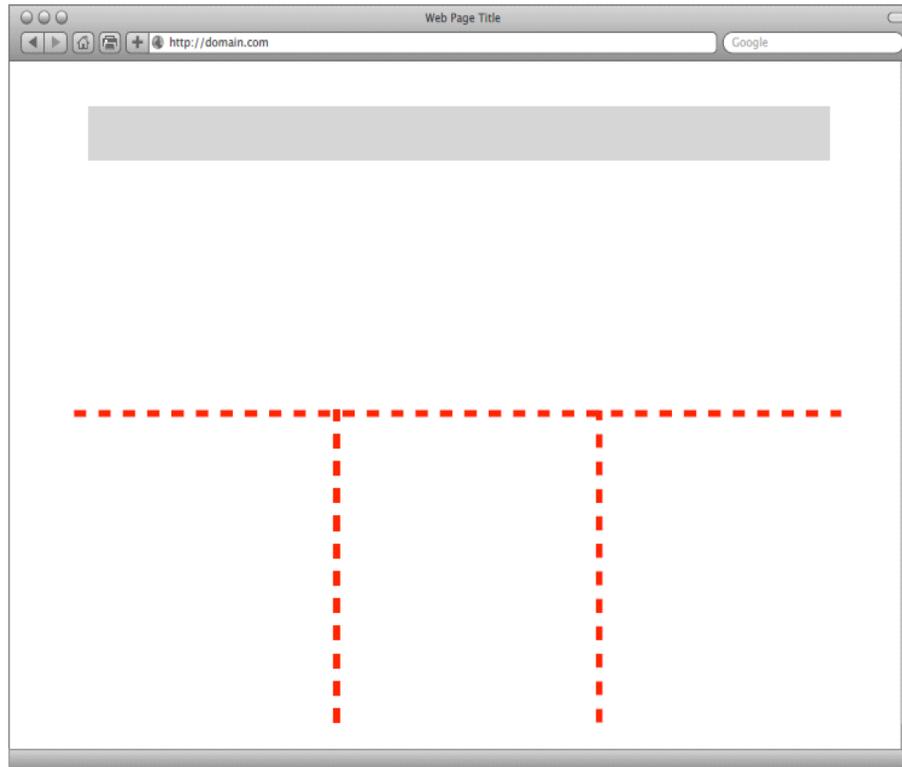
Your mental
site map

about

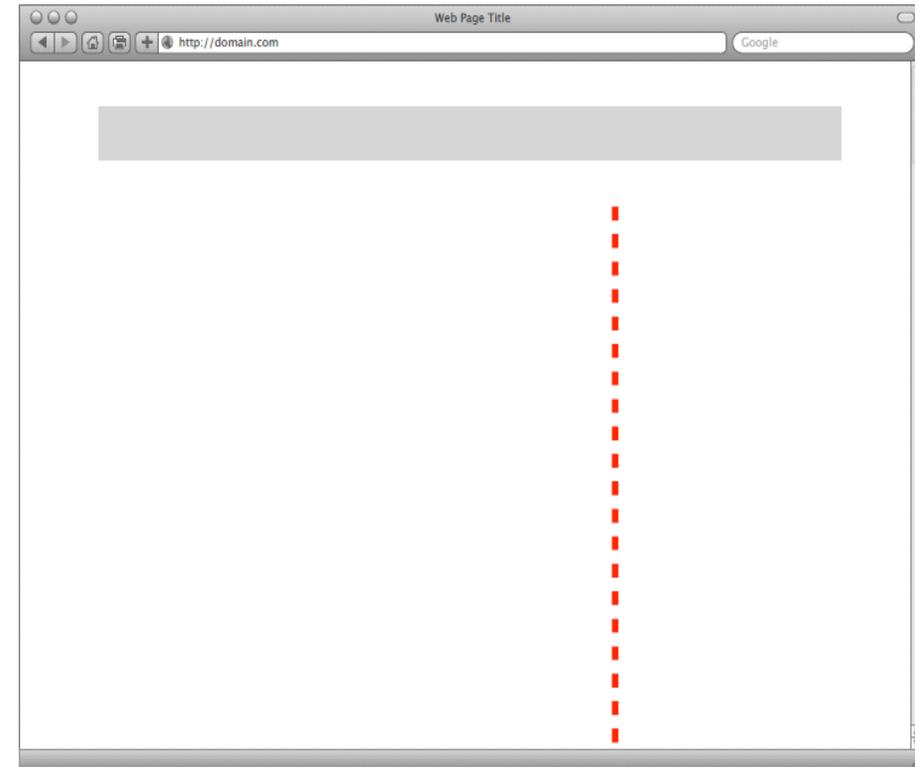
masthead

contact

Structure first?

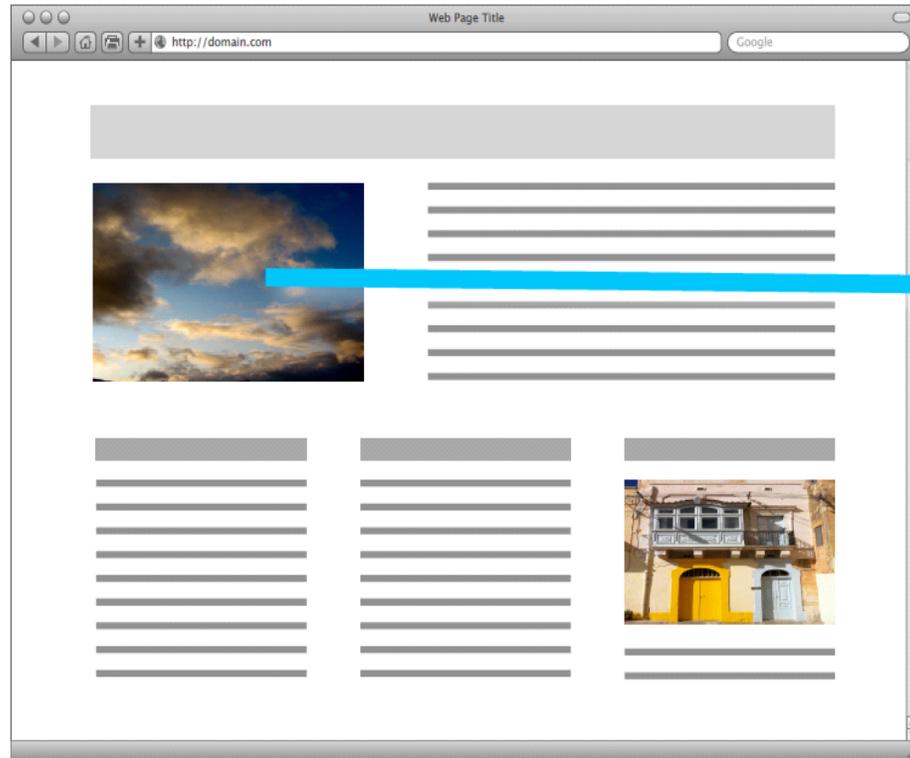


Front page

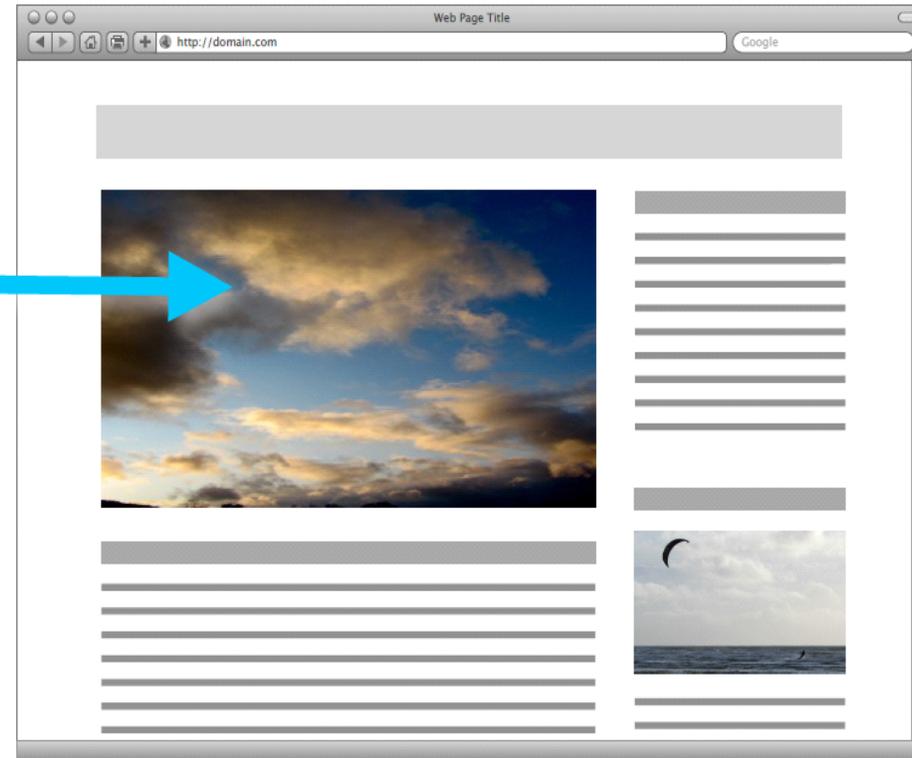


Full page

Display of content



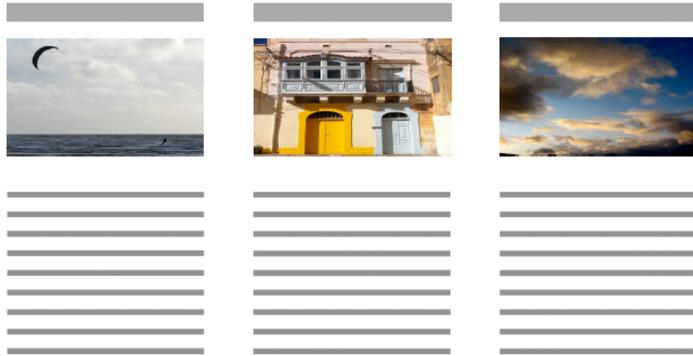
Front page



Full page

Think “Content first”

Articles



Users



Pages



Terms



Comments



Structured content

Compare

Title

In HTML:

Body text

Tags

Location

Media (video,
images)

Title

Image upload

Body text

Location

Tags

Structured content

Title

Image

Body text

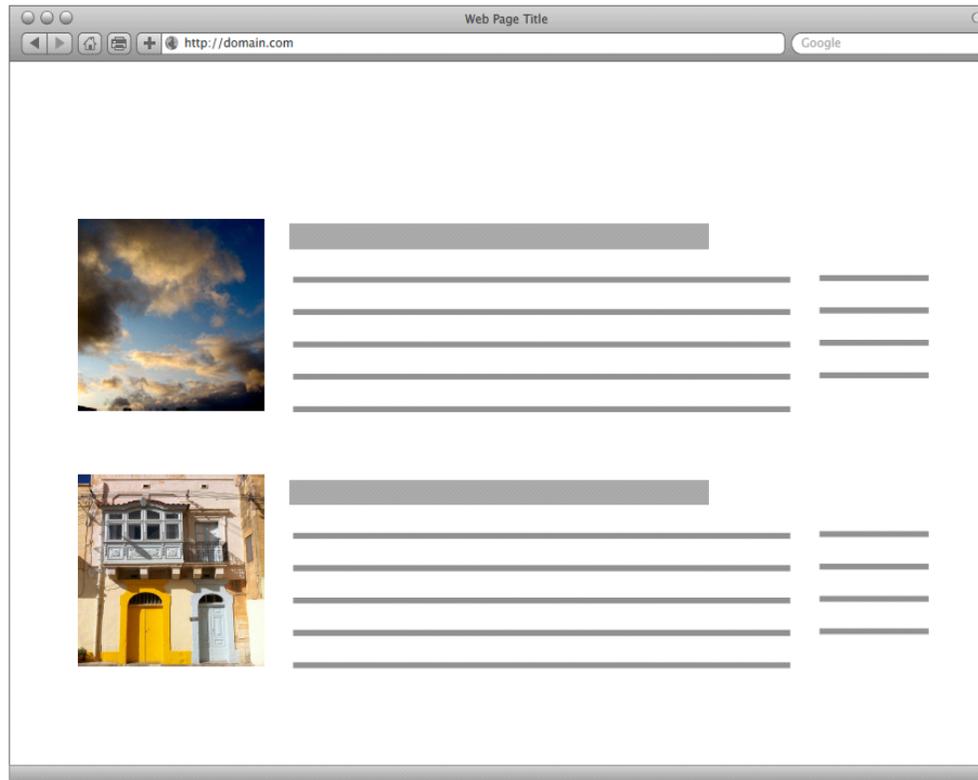
Location

Tags

Author

Date

Show 2 most recent.
Image as square thumbnail.
Body text up to 100 words



Structured content

Title

Image

Body text

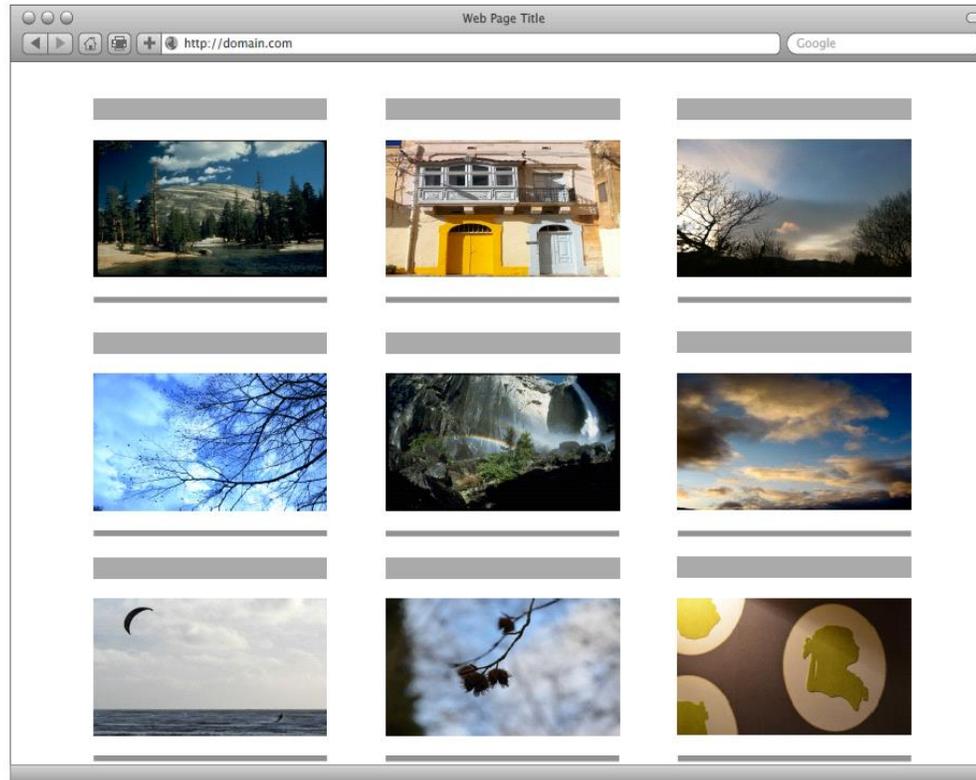
Location

Tags

Author

Date

Show 9 per page with pagination.
Image as thumbnail.
Author link to profile. Short date.



Blocks and menus

The screenshot shows the Open Source .com website interface. At the top, there is a navigation bar with links for 'About', 'Community', 'Participate', 'Contribute', 'Mailing list', 'The open source way', and 'Webcasts'. On the right side of this bar are 'Login', 'Sign Up', and a RSS icon. Below the navigation bar is a search bar with the text 'Search opensource.com'. The main header features the 'open source .com' logo and the tagline 'The open source story continues to grow', along with 'A Red Hat community service' logo. A main menu is located below the header, with categories: 'Open*', 'Business', 'Education', 'Government', 'Health', 'Law', and 'LIFE'. The main content area is divided into several blocks: 'Featured content' with three article teasers, 'AUGUST FAVORITES' with a list of links, 'OPEN SOURCE RESOURCES' with a list of links, a poll titled 'Do you think every major city and airport should have free wifi?', and a 'Contributor spotlight' for Peter Borsa. Blue arrows point from text labels on the right to these specific elements on the page.

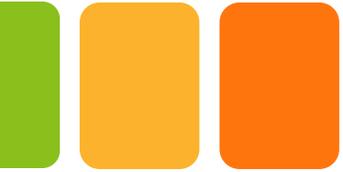
About menu

Main menu

Custom menus

Generated by a module

Views listing



例えば画像の設定では

Content display

Teaser

Full post

Featured content



Business » Article

Is your intranet fit for the future?

What would it look like if the rapidly-evolving social world of Web 2.0 collided with the sterile and static corporate Intranet? What would happen... [Read more](#)

0 Comments | Posted 9 Sep 2011 [Julian Birkinshaw](#)



Health » Article

Open source health IT

Healthcare IT is experiencing a revolution, and open source is driving change across the industry. Fundamental principles underpinning the growth of... [Read more](#)

0 Comments | Posted 8 Sep 2011 [Lori Mehen \(Red Hat\)](#)



Government » Article

I want YOU to open source

I recently went to the MIL-OSS ("military open source software") 2011 Working Group (WG) / Conference in Atlanta, Georgia. Topics included the open... [Read more](#)

2 Comments | Posted 8 Sep 2011 [David A. Wheeler](#)

Is your intranet fit for the future?

Posted 9 Sep 2011 by [Julian Birkinshaw](#)

Average: ★★★★★ (1 votes)

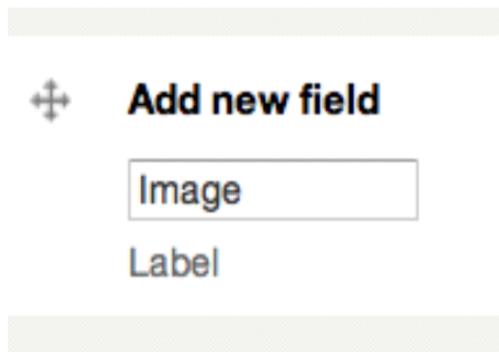


Image by [opensource.com](#)

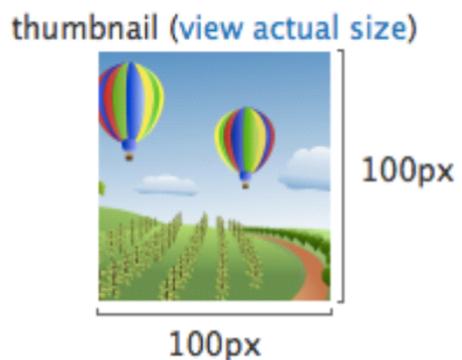
[Tweet](#) 0 [identi.ca](#) [reddit this!](#) [Submit](#) [Like](#)

What would it look like if the rapidly-evolving social world of Web 2.0 collided with the sterile and static corporate Intranet? What would happen if information flowed from the outside in, instead of inside out?

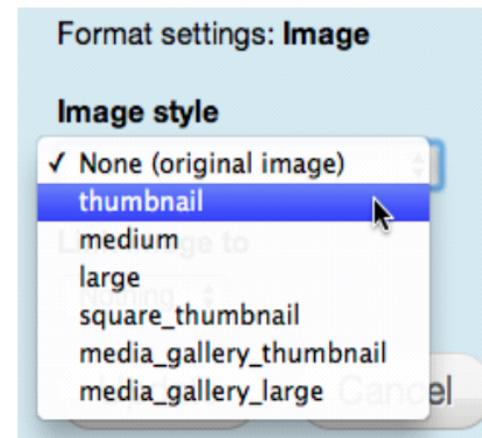
How did they do that?



Step 1.
Add image
field



Step 2.
Configure
thumbnail



Step 3.
Configure
field display

Media styles

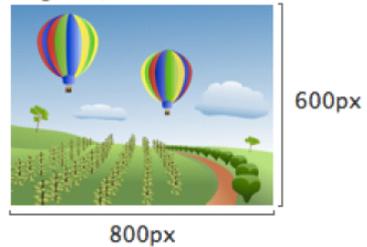
[Home](#) » [Administration](#) » [Configuration](#) » [Media](#) » [Image styles](#)

Edit *thumbnail* style ⊙

✓ The image effect was successfully applied.

Preview

original (view actual size)



thumbnail (view actual size)

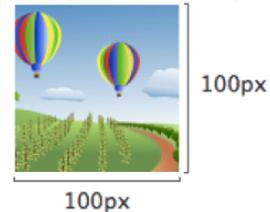


Image style name

thumbnail

This image style is being provided by *image* module and may not be renamed.

[Show row weights](#)

| EFFECT | OPERATIONS |
|--|---|
| + Scale and crop 100x100 | edit delete |
| + <input type="text" value="Select a new effect"/> <input type="button" value="Add"/> | |

Add image field

Home » Administration » Structure » Content types » News item

News item

EDIT

MANAGE FIELDS

MANAGE DISPLAY

COMMENT FIELDS

COMMENT DISPLAY

Show row weights

| LABEL | NAME | FIELD | WIDGET | OPERATIONS |
|-------|---|--|--|--|
| + | Title | title | Node module element | |
| + | Topic | field_topics | Term reference
Select list | edit delete |
| + | Tags | field_tags | Term reference
Autocomplete term widget (tagging) | edit delete |
| + | Body | body | Long text and summary
Text area with a summary | edit delete |
| + | Add new field | | | |
| | <input type="text" value="Image"/>
Label | field_ newsimage
Field name (a-z, 0-9, _) | <input type="text" value="Image"/>
Type of data to store. | <input type="text" value="Image"/>
Form element to edit the data. |
| + | Add existing field | | | |
| | <input type="text"/>
Label | - Select an existing field -
Field to share | - Select a widget -
Form element to edit the data. | |

Save

Configure display

▼ CUSTOM DISPLAY SETTINGS

Use custom display settings for the following view modes

- Full content
- Teaser
- RSS
- Search index
- Search result
- Tokens

Home » Administration » Structure » Content types » News item » Manage display

News item **EDIT** **MANAGE FIELDS** **MANAGE DISPLAY** **COMMENT FIELDS** **COMMENT DISPLAY**

Default Full content **Teaser** Show row weights

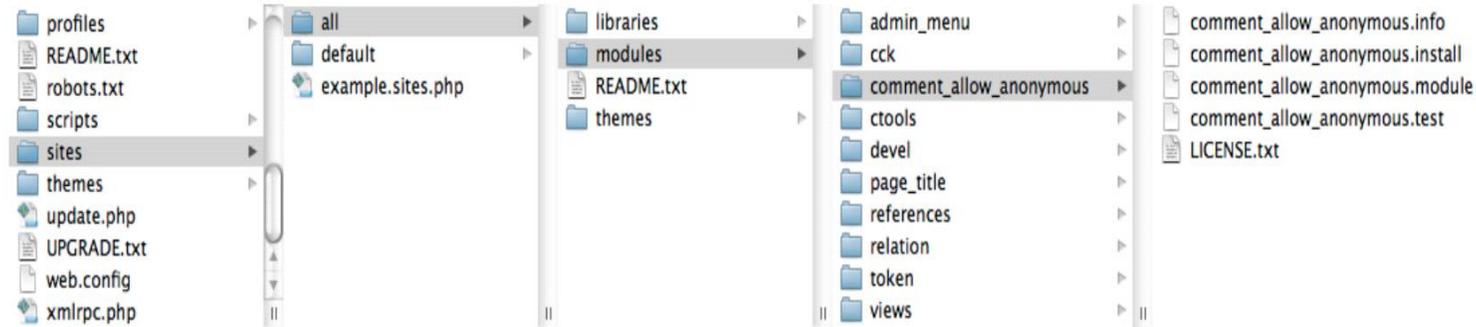
| FIELD | LABEL | FORMAT |
|-------------------------|----------|-------------------------------------|
| + Image | Above | Format settings: Image |
| Image style | | |
| ✓ None (original image) | | |
| thumbnail | | |
| medium | | |
| large | | |
| square_thumbnail | | |
| media_gallery_thumbnail | | |
| media_gallery_large | | |
| + Body | <Hidden> | Summary or trimmed Trim length: 600 |
| + Tags | Above | Link |
| Hidden | | |
| + Topic | Above | <Hidden> |

Save



モジュールの概要

Location in file hierarchy:

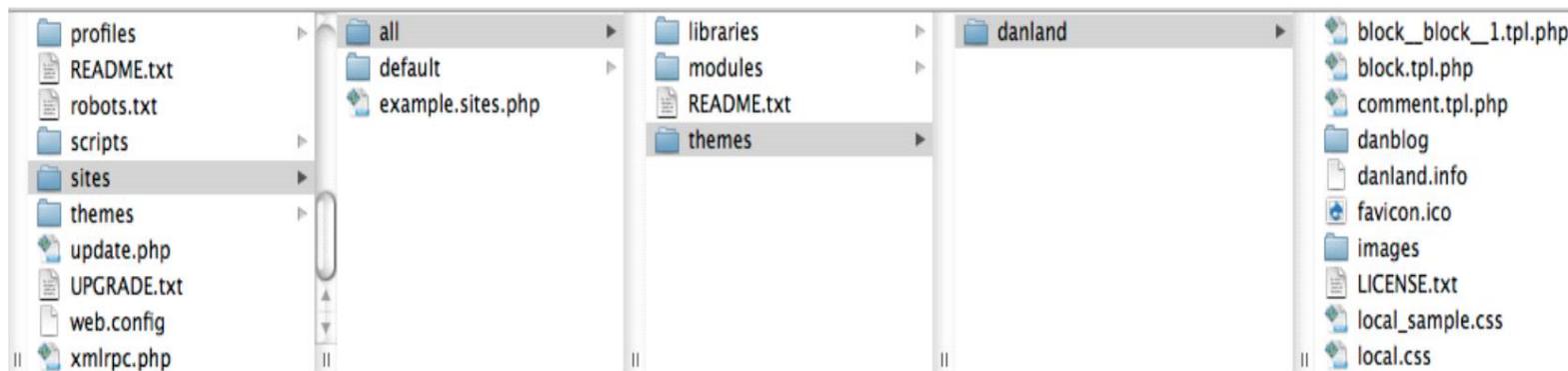


Drupal core folder/sites/all/modules/

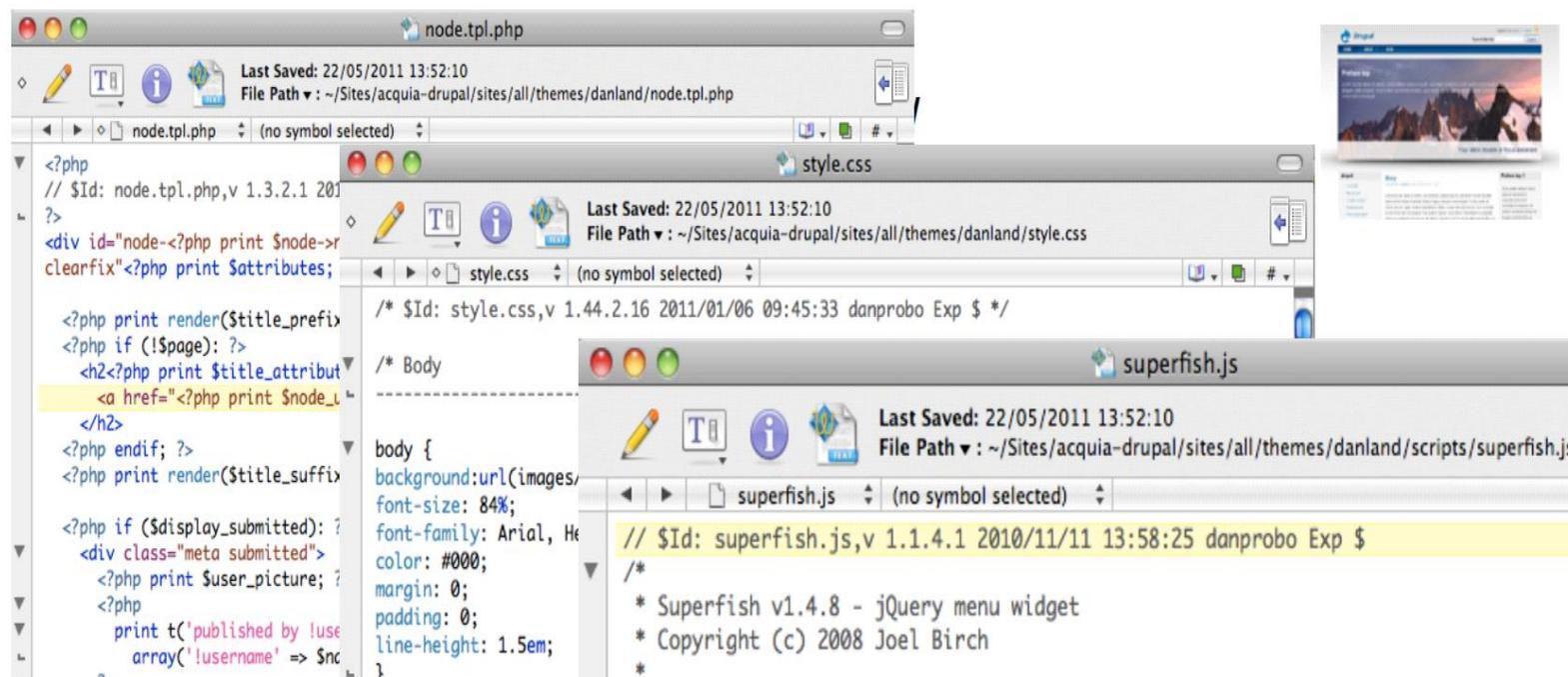
```
<?php
// $Id: comment_allow_anonymous.module,v 1.1 2010/11/04 09:08:04 chx Exp $
/**
 * @file comment_allow_anonymous.module
 *
 * Adds a disallowed for anonymous option per node type.
 */
/**
 * Implementation of hook_form_FORM_ID_alter().
 */
function comment_allow_anonymous_form_node_type_form_alter(&$form) {
  $form['comment']['comment_anonymous']['#options'] = array(-1 => t('Anonymous
```

拡張モジュール

Location in file hierarchy:



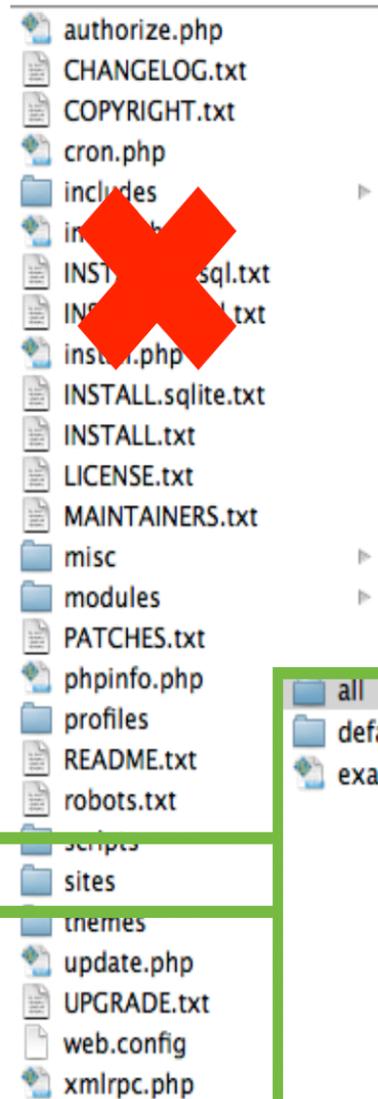
デザインテーマ





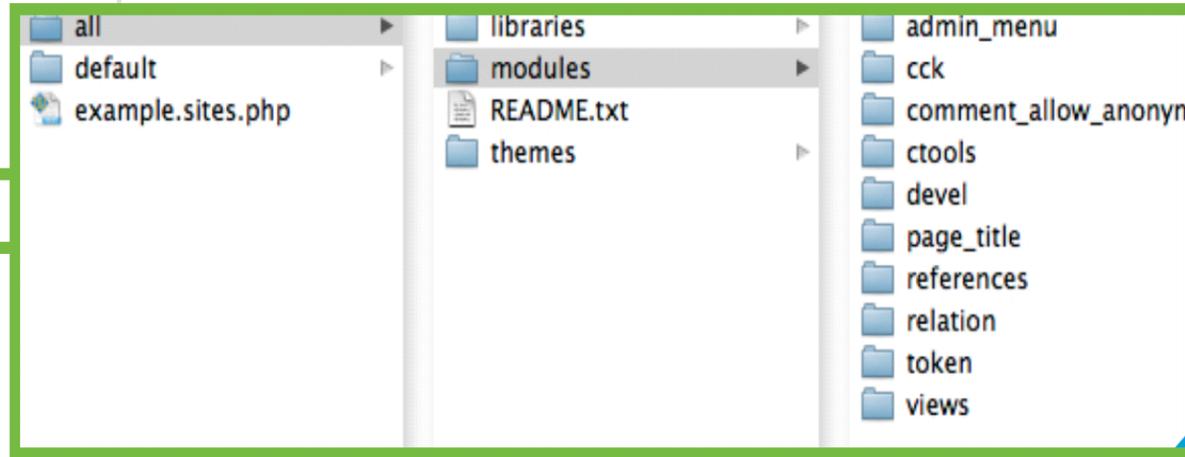
コアと拡張モジュール
別ディレクトリ

“Core”



“Contrib” and “Custom”

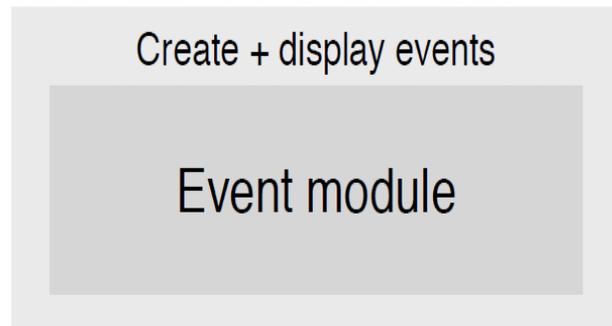
Don't hack core



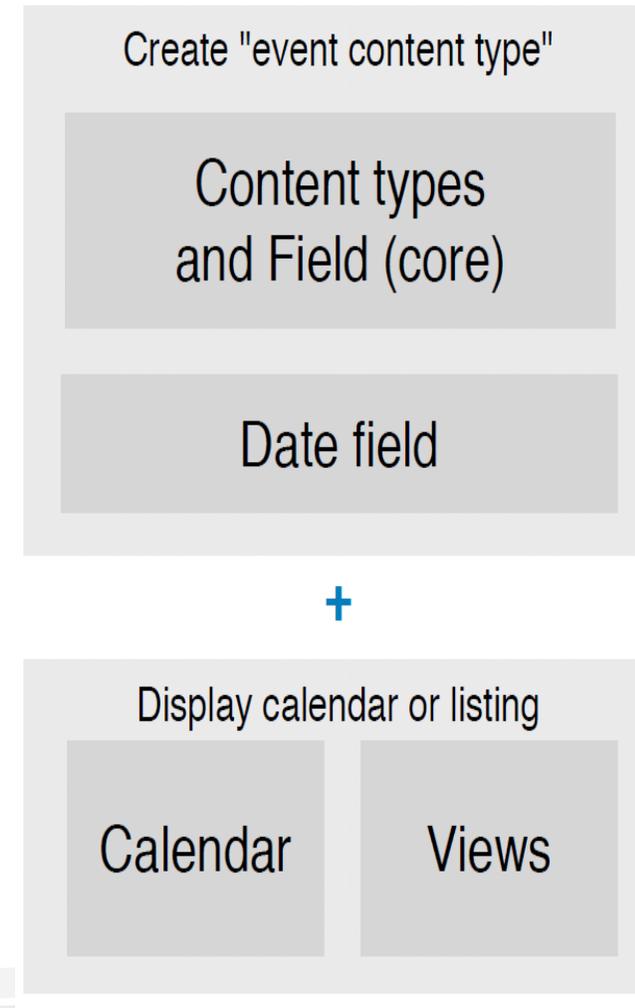


拡張モジュールの概念

Previous



Drupal 7



拡張モジュールの検索

ダウンロード

Drupal.org/project/module

The screenshot shows the Drupal.org website interface. At the top, there is a blue header with the Drupal logo, a search bar, and navigation links for 'Drupal Homepage', 'Your Dashboard', 'Logged in as hodota', and 'Log out'. Below the header, the main content area is titled 'Download & Extend' and includes tabs for 'Download & Extend Home', 'Drupal Core', 'Distributions', 'Modules', and 'Themes'. A yellow warning banner is present, followed by a search filter section showing '16,010 Modules match your search' with various dropdown menus for maintenance status, development status, module categories, and core compatibility. Below the filters is a search bar and a 'Search' button. The main content area displays the details for the 'Services Government Format' module, including its description, a list of recommended releases, and a table of download links.

Services Government Format

Posted by [grasmash](#) on November 13, 2014 at 2:25pm

This module assists in making Services responses comply with the [White House API Standards](#).

- By default, it will modify all responses to include metadata in accordance with said standards
- It also supplies `services_govformat_format()`, which can be used by services resource callbacks to return data in a compliant format.

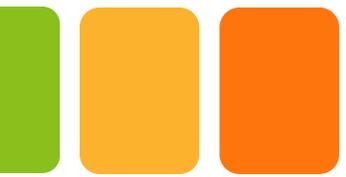
For example:

Downloads

Recommended releases

| Version | Download | Date | Links |
|----------------|---|-------------|--|
| 7.x-1.0-alpha1 | tar.gz (9.76 KB) ZIP (11.36 KB) | 2014-Nov-13 | Notes Edit |

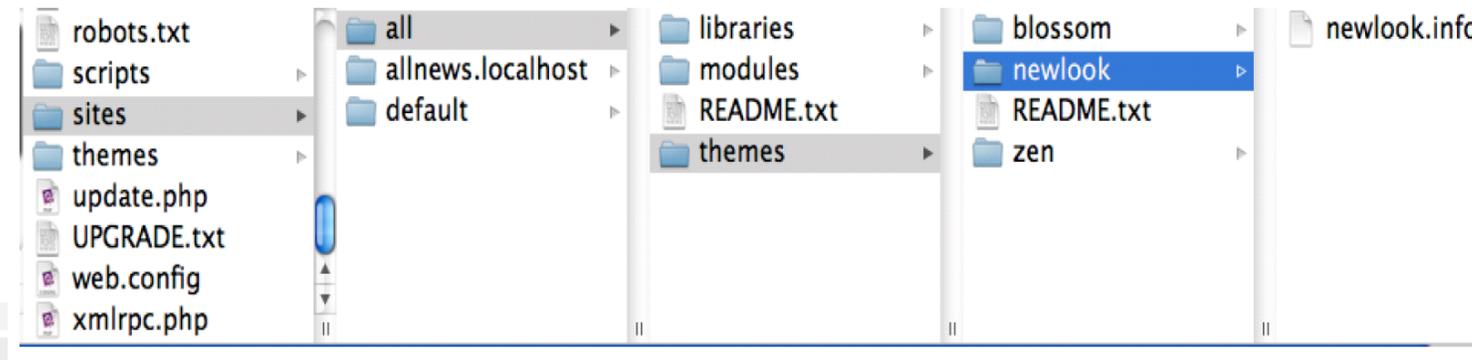
[View all releases](#)



デザインテーマ

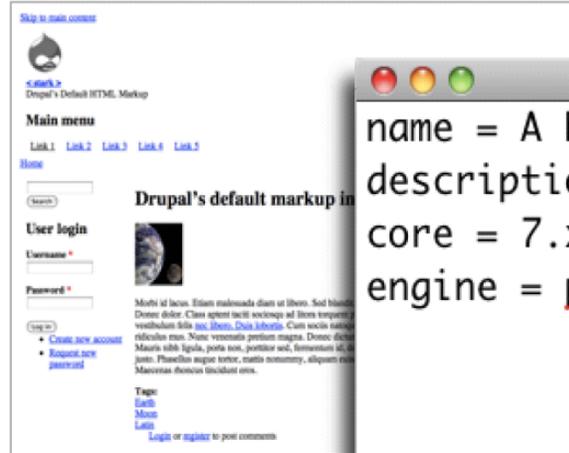
Making a theme in Drupal

```
newlook.info
name = A New Look Theme
description = A new visual design
core = 7.x
engine = phptemplate
```



Set and configure the default theme for your website. Alternative [themes](#) are available.

ENABLED THEME



Stark 7.12 (default theme)

```
name = A New Look Theme
description = A new visual design
core = 7.x
engine = phptemplate
```

to learn how to build your own

DISABLED THEMES

no screenshot

A New Look Theme
A new visual design

[Enable](#) | [Enable and set default](#)



Bare Bones 1.28

Just the facts.

[Enable](#) | [Enable and set default](#)



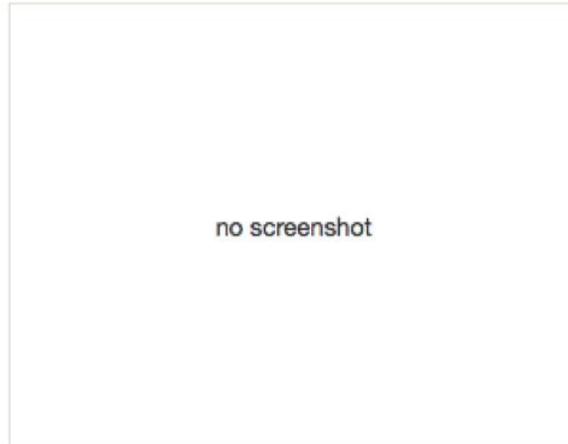
Bartik 7.12

A flexible, recolorable theme with many regions.

[Enable](#) | [Enable and set default](#)

Set and configure the default theme for your website. Alternative [themes](#) are available.

ENABLED THEMES



A New Look Theme (default theme)

A new visual design

[Settings](#)



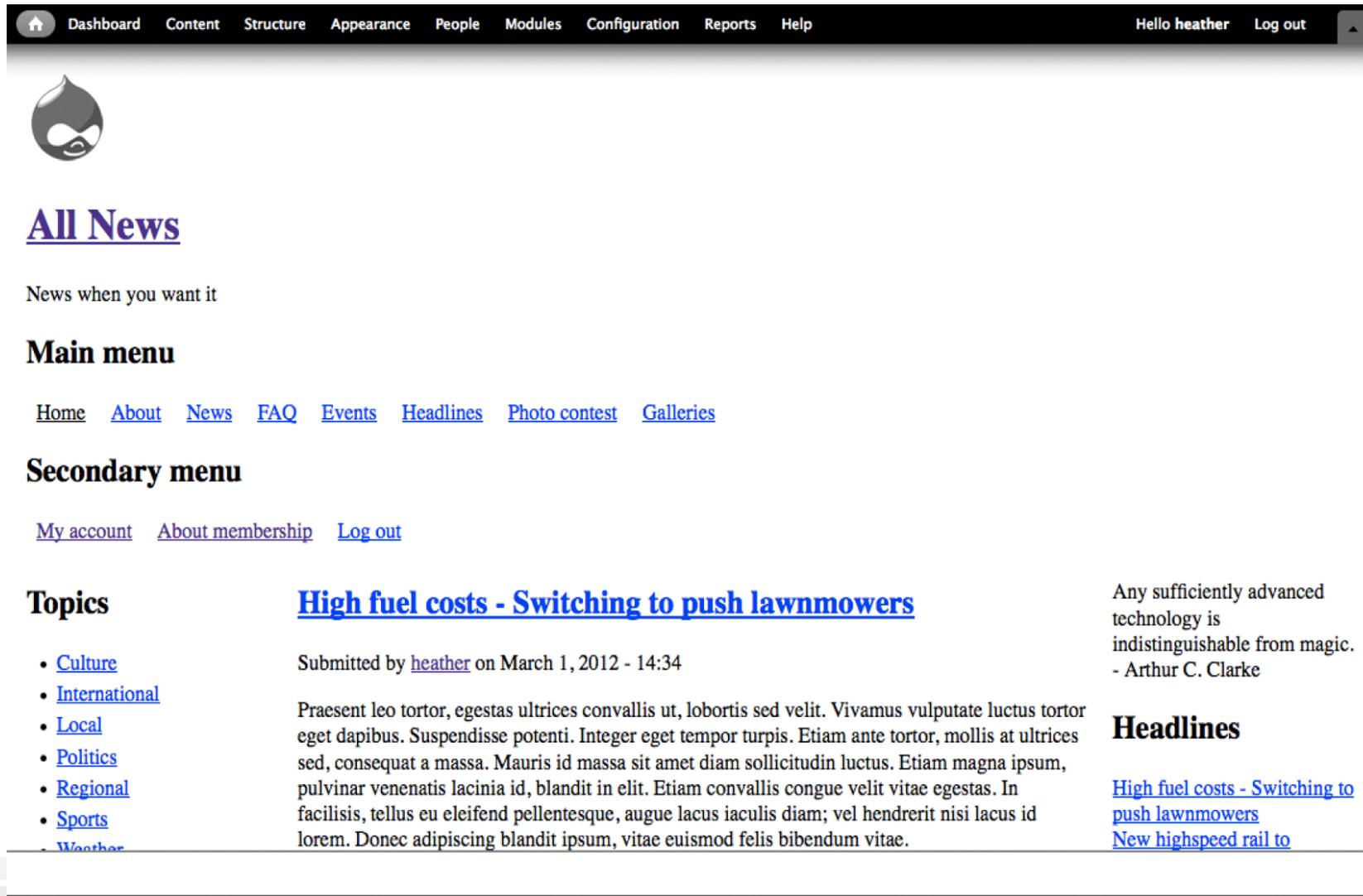
Bartik 7.12

A flexible, recolorable theme with many regions.

[Settings](#) | [Disable](#) | [Set default](#)

DISABLED THEMES

Overriding a push system



The screenshot shows a Drupal website interface. At the top is a navigation menu with links: Dashboard, Content, Structure, Appearance, People, Modules, Configuration, Reports, Help. On the right, it says 'Hello heather' and 'Log out'. Below the menu is a logo of a stylized character. The main content area is titled 'All News' and includes a sub-header 'News when you want it'. There are sections for 'Main menu' and 'Secondary menu' with various links. A featured article is displayed with the title 'High fuel costs - Switching to push lawnmowers', submitted by 'heather' on March 1, 2012. The article text is a placeholder. To the right of the article is a quote: 'Any sufficiently advanced technology is indistinguishable from magic. - Arthur C. Clarke'. Below the article is a 'Headlines' section with two links: 'High fuel costs - Switching to push lawnmowers' and 'New highspeed rail to...'. At the bottom left, there is a 'Topics' section with a list of categories: Culture, International, Local, Politics, Regional, Sports, and Weather.



Customizing your theme

```
newlook.info
name = A New Look Theme
description = A new visual design for my site
core = 7.x
engine = phptemplate

; Stylesheets
; -----
stylesheets[all][] = css/normalize.css
stylesheets[all][] = css/html-elements.css
stylesheets[all][] = css/layout.css
stylesheets[all][] = css/navigation.css
stylesheets[all][] = css/styles.css
```

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN"
2 "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" version="XHTML+RDFa 1.0" dir="ltr"
4 xmlns:content="http://purl.org/rss/1.0/modules/content/"
5 xmlns:dc="http://purl.org/dc/terms/"
6 xmlns:foaf="http://xmlns.com/foaf/0.1/"
7 xmlns:og="http://ogp.me/ns#"
8 xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
9 xmlns:sioc="http://rdfs.org/sioc/ns#"
10 xmlns:sioc_t="http://rdfs.org/sioc/types#"
11 xmlns:skos="http://www.w3.org/2004/02/skos/core#"
12 xmlns:xsd="http://www.w3.org/2001/XMLSchema#">
13
14 <style type="text/css" media="all">@import url("http://allnews.localhost:8082/sites/all/themes/newlook
15 /css/normalize.css?m49m65");
16
17 @import url("http://allnews.localhost:8082/sites/all/themes/newlook/css/html-elements.css?m49m65");
18 @import url("http://allnews.localhost:8082/sites/all/themes/newlook/css/layout.css?m49m65");
19 @import url("http://allnews.localhost:8082/sites/all/themes/newlook/css/navigation.css?m49m65");
20 @import url("http://allnews.localhost:8082/sites/all/themes/newlook/css/styles.css?m49m65");</style>
21
22 @import url("http://allnews.localhost:8082/modules/system/system.menus.css?m49m65");
23 @import url("http://allnews.localhost:8082/modules/system/system.messages.css?m49m65");
24 @import url("http://allnews.localhost:8082/modules/system/system.theme.css?m49m65");</style>
25 <style type="text/css" media="all">@import url("http://allnews.localhost:8082/misc/ui/jquery.ui.core.css
26 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.theme.css?m49m65");
27 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
28 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.dialog.css?m49m65");
29 /css/contextual.css?m49m65");
30 <style type="text/css" media="all">@import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css
31 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.dialog.css?m49m65");
32 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
33 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
34 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
35 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
36 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
37 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
38 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
39 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
40 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
41 <style type="text/css" media="all">@import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css
42 /css/ctools.css?m49m65");
43 @import url("http://allnews.localhost:8082/misc/ui/jquery.ui.datepicker.css?m49m65");
44 @import url("http://allnews.localhost:8082/sites/all/modules/webForm/css/webForm.css?m49m65");</style>
```

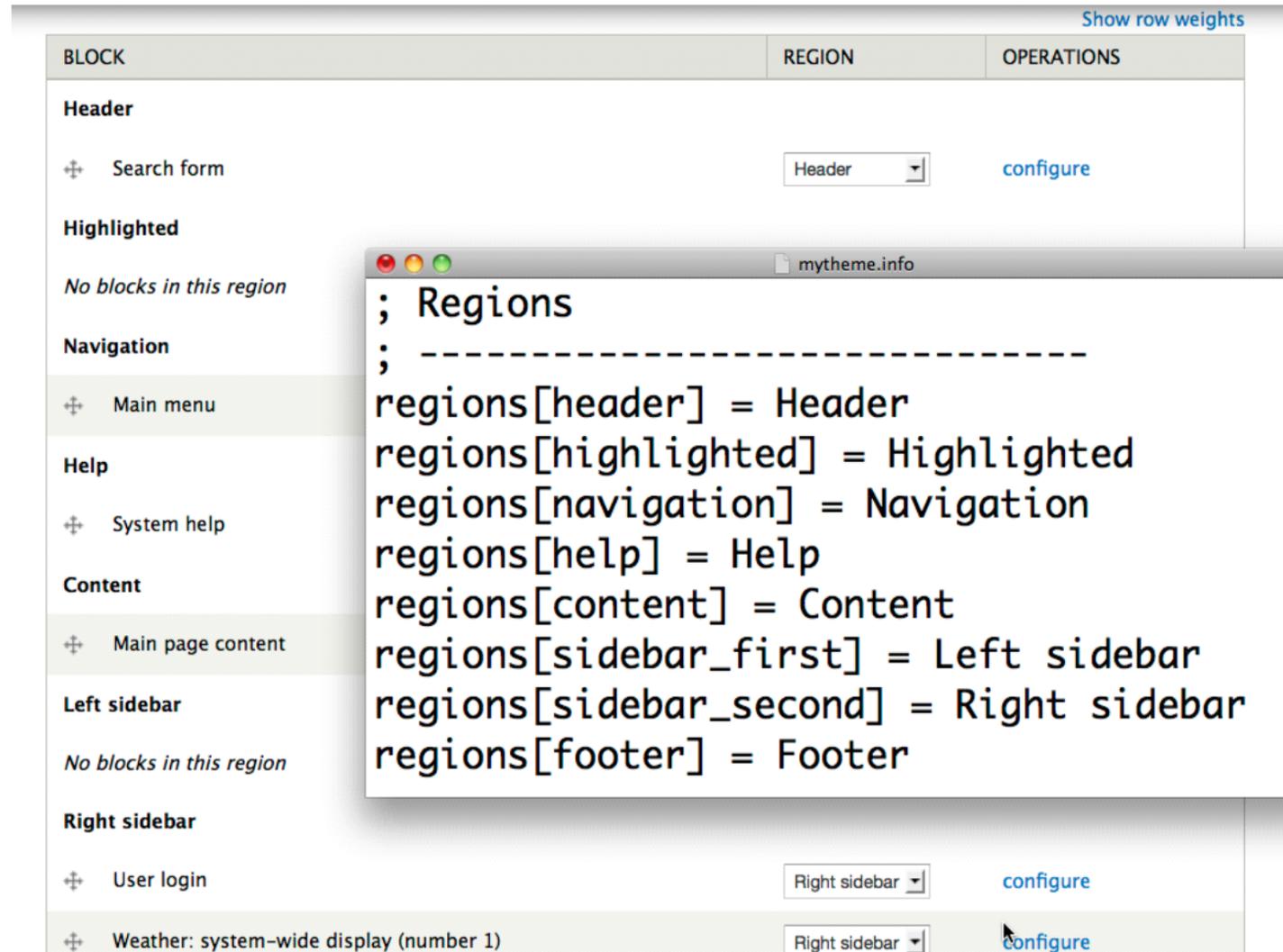
BANDWIDTH OPTIMIZATION

External resources can be optimized automatically, which can reduce both the size and number of requests made to your website.

- Aggregate and compress CSS files.
- Aggregate JavaScript files.

Save configuration

Region order



Header

| BLOCK | REGION | OPERATIONS |
|-------------------------------|--------|---------------------------|
| + Search form | Header | configure |

Highlighted

No blocks in this region

Navigation

| | | |
|-----------------------------|--|--|
| + Main menu | | |
|-----------------------------|--|--|

Help

| | | |
|-------------------------------|--|--|
| + System help | | |
|-------------------------------|--|--|

Content

| | | |
|-------------------------------------|--|--|
| + Main page content | | |
|-------------------------------------|--|--|

Left sidebar

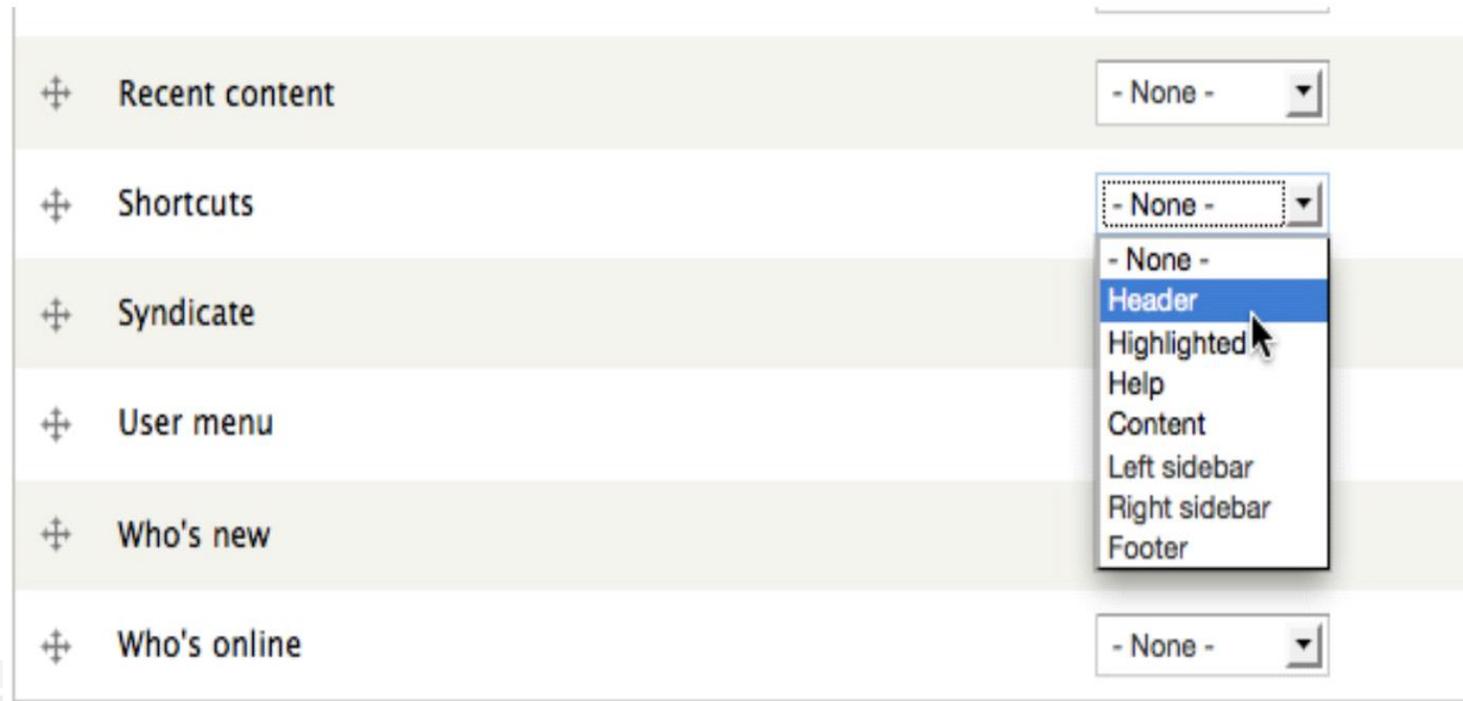
No blocks in this region

Right sidebar

| | | |
|---|---------------|---------------------------|
| + User login | Right sidebar | configure |
| + Weather: system-wide display (number 1) | Right sidebar | configure |

```
; Regions
; -----
regions[header] = Header
regions[highlighted] = Highlighted
regions[navigation] = Navigation
regions[help] = Help
regions[content] = Content
regions[sidebar_first] = Left sidebar
regions[sidebar_second] = Right sidebar
regions[footer] = Footer
```

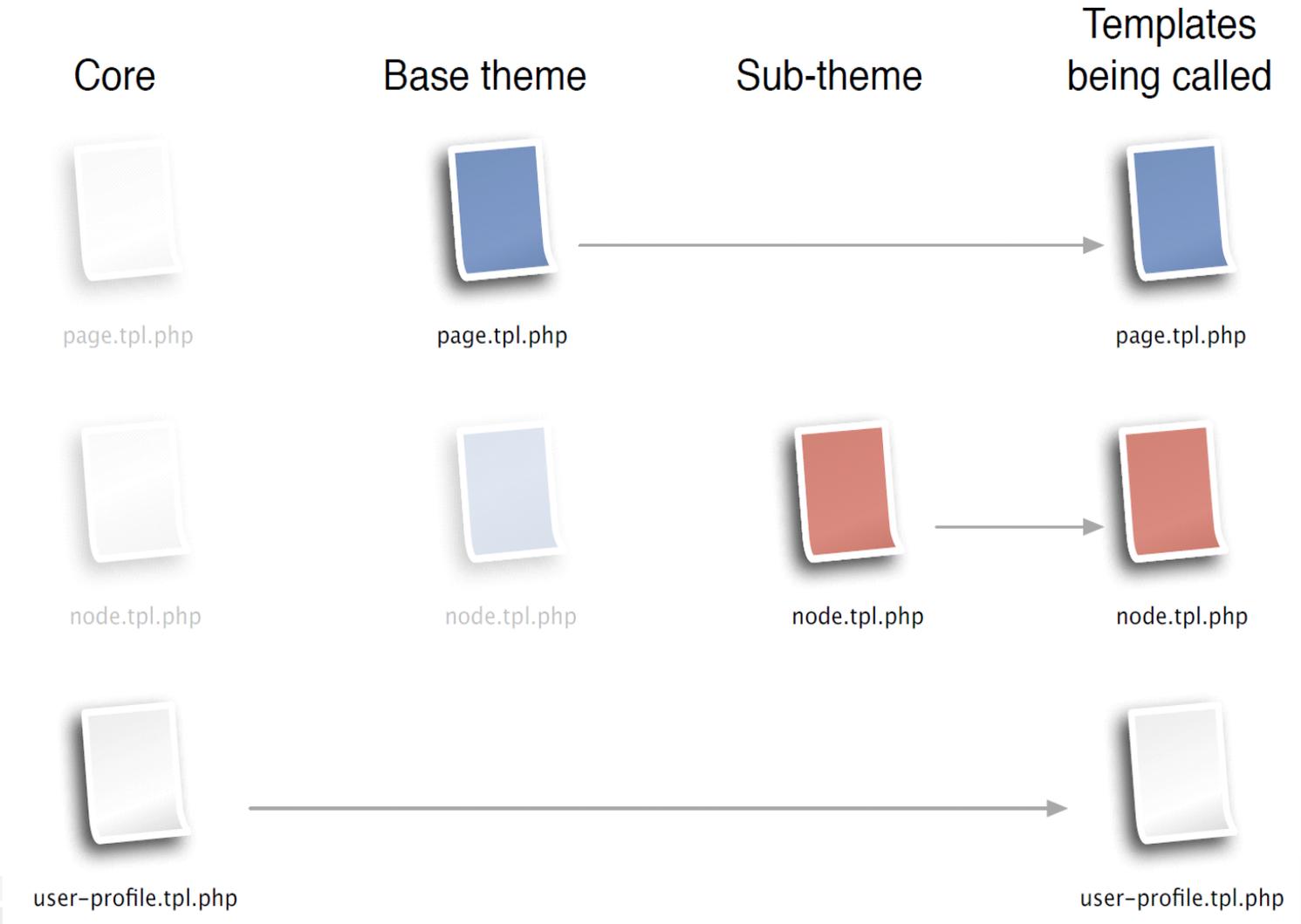
Regions in .info



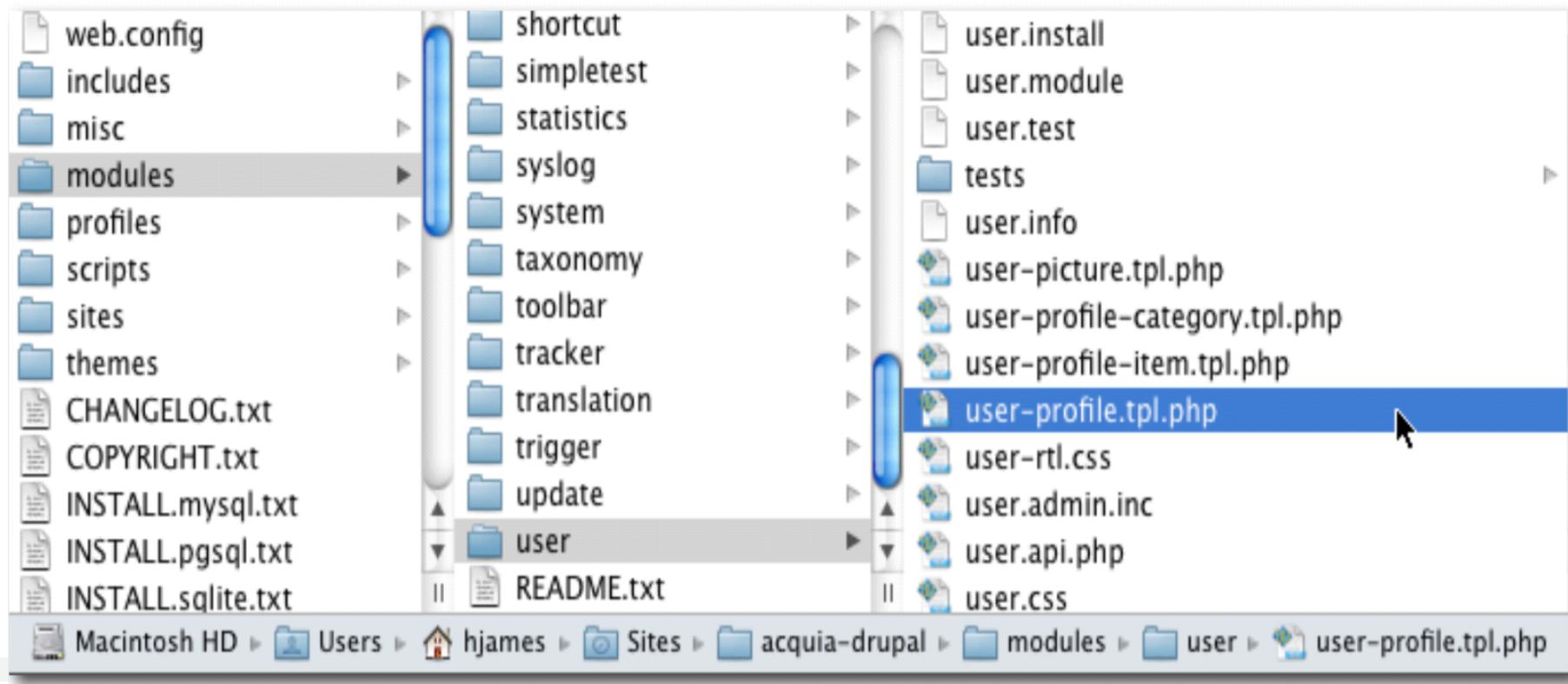
The image shows a configuration table for Drupal regions. Each row contains a region name with a plus icon, and a dropdown menu for selecting a theme region. The 'Shortcuts' dropdown is open, showing a list of available regions.

| | | |
|---|----------------|---|
| + | Recent content | - None - |
| + | Shortcuts | - None -
- None -
Header
Highlighted
Help
Content
Left sidebar
Right sidebar
Footer |
| + | Syndicate | - None - |
| + | User menu | - None - |
| + | Who's new | - None - |
| + | Who's online | - None - |

Inheritance



Core has template files



User profile output

The image shows a screenshot of a Drupal user profile page for a user named 'siteadmin'. The page has a header with the name 'siteadmin' and three tabs: 'View', 'Edit', and 'Shortcuts'. Below the tabs is a blue-bordered box containing the profile information: 'History' (with a silhouette icon), 'Member for 2 weeks 4 days', and a 'user-picture' placeholder. Below the page content, a browser's developer tools are open, showing the DOM tree and the CSS styles for the selected element.

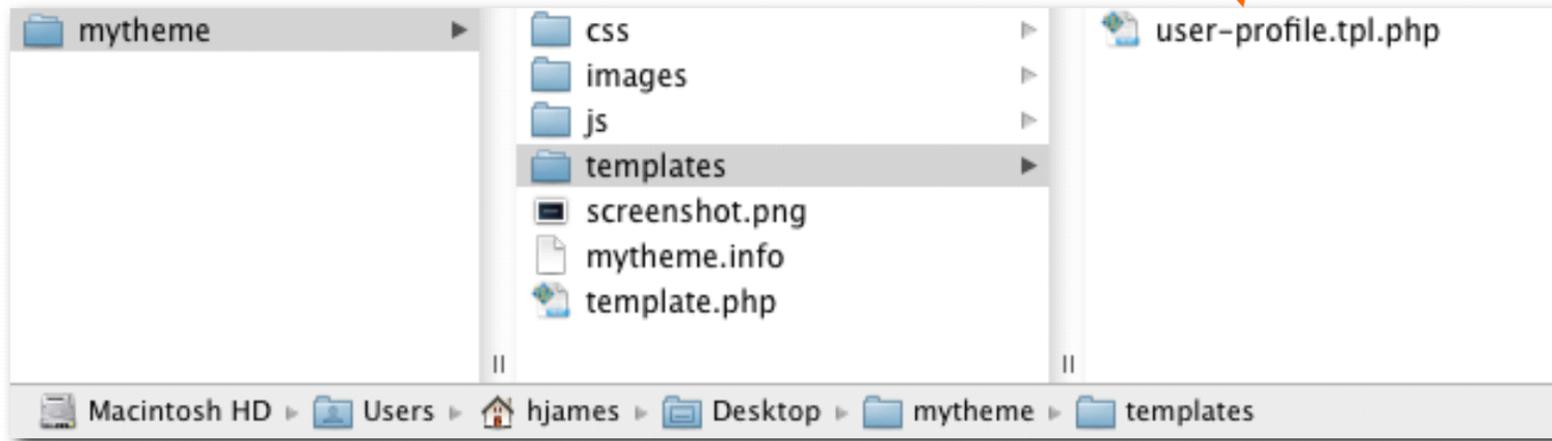
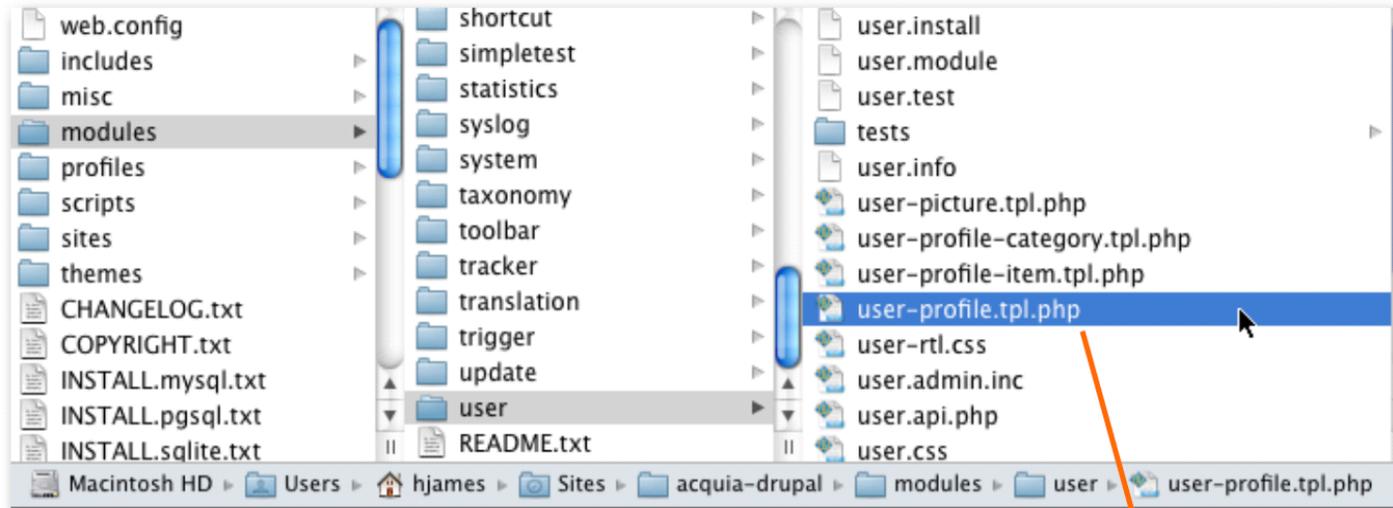
DOM Tree:

```
<div class="tabs">
  <div class="region region-content">
    <div id="block-system-main" class="block block-system">
      <div class="content">
        <div class="profile" about="/users/siteadmin" typeof="sioc:UserAccount">
          <div class="user-picture">
            <h3>History</h3>
            <dl>
              <li>Member for 2 weeks 4 days</li>
            </dl>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```

Style Panel:

```
.block styles.css?luoazn (line 113)
.content {
  padding: 10px;
}
Inherited from div#page.container_16
#page {
  border-style: none solid solid;
}
Inherited from body.html
body {
  color: #3F3F3F;
  font-family: arial,sans-serif;
  font-size: 14px;
  line-height: 135%;
}
```

COPY to your theme





Modify markup

```
<h1>HELLO THERE!!</h1>
```

```
<div class="profile"<?php print $attributes; ?>>  
  <?php print render($user_profile); ?>  
</div>
```

Voila!

- Drupal first sees your theme's **user-profile.tpl.php** and renders it instead of the core **user-profile.tpl.php**

siteadmin

[View](#) [Edit](#) [Shortcuts](#)

HELLO THERE!!

History

Member for
2 weeks 4 days



Naming patterns

based on core	template pattern	custom template
node.tpl.php	node-- nodeid .tpl.php	node-- 15 .tpl.php
block.tpl.php	block-- region-delta .tpl.php	block-- sidebar-first .tpl.php

node--[type|nodeid].tpl.php

base template: *node.tpl.php*

Template suggestions are made based on these factors, listed from the most specific template to the least. Drupal will use the most specific template it finds:

1. node--nodeid.tpl.php
2. node--type.tpl.php
3. node.tpl.php

See [node.tpl.php](#) in the Drupal API documentation for more information.

Docs: <http://drupal.org/node/1089656>

Use machine names

based on core	template pattern	custom template
node.tpl.php	node-- type .tpl.php	node-- article .tpl.php

[Home](#) » [Administration](#) » [Structure](#)

Content types 

[+ Add content type](#)

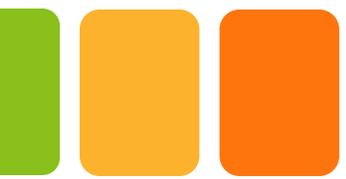
NAME	OPERATIONS
Article (Machine name: article) Use <i>articles</i> for time-sensitive content like news, press releases or blog posts.	edit manage fields manage display delete



テーマの特徴

- SQL言語でテーマのページをプログラミングする必要はありません。テーマモジュールを作るだけです。
- コンテンツの最適な管理方法として、例えばサーバの上でサイズ変更をしてページに表示させます。CSSで変更するのではなく。
- Drupalでのサイトデザインを表示させる方法としてStyle Guideモジュールを使うと便利です。

モジュールのダウンロード <https://www.drupal.org/project/styleguide>
デモサイト <http://styleguide.allgoo.de/>



カスタムモジュール



Making a module

- Configure first and override.
- Reduce duplicate effort!
- Custom “glue” for sites.
- Skills required:

HTML

Advanced

CSS

Intermediate

Drupal Site-building

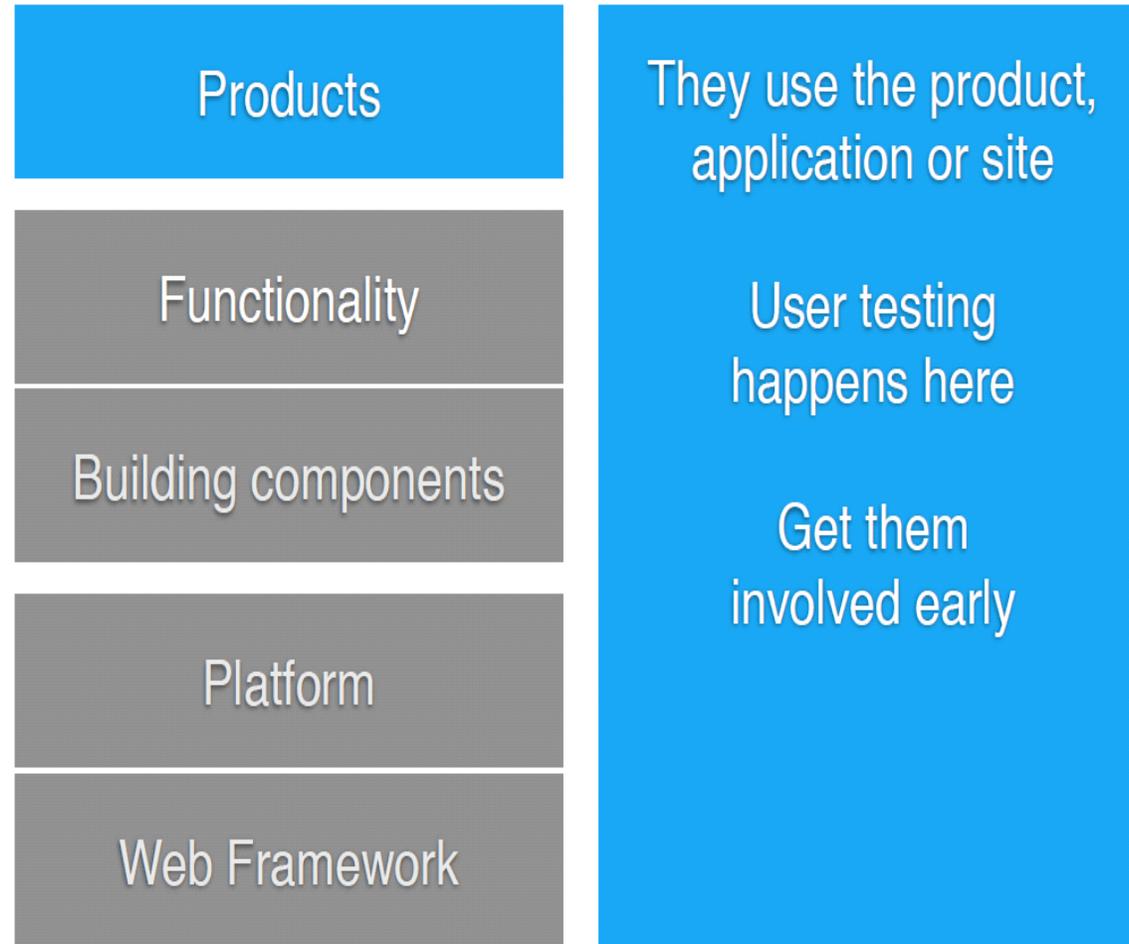
Advanced

PHP

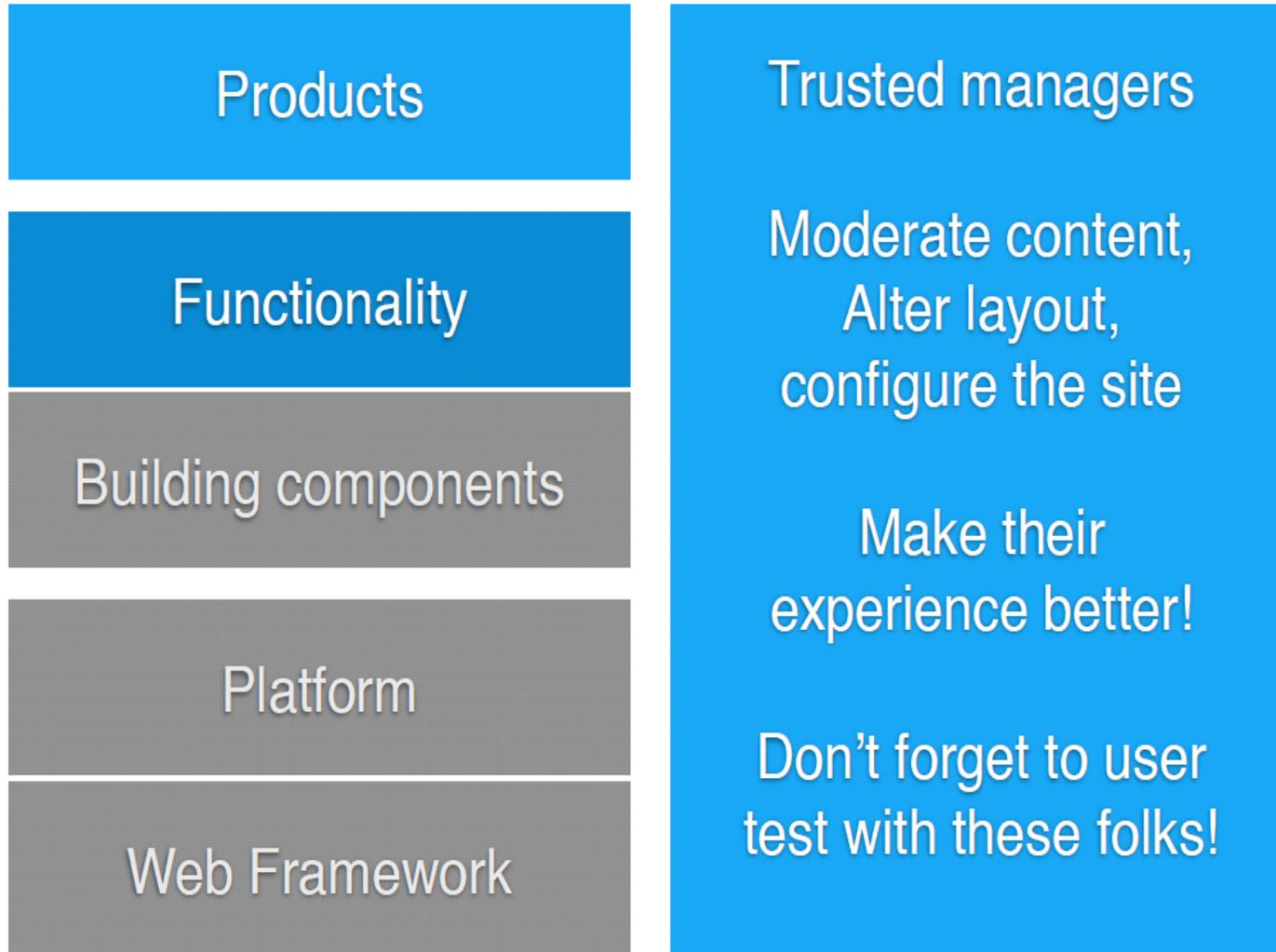
Advanced



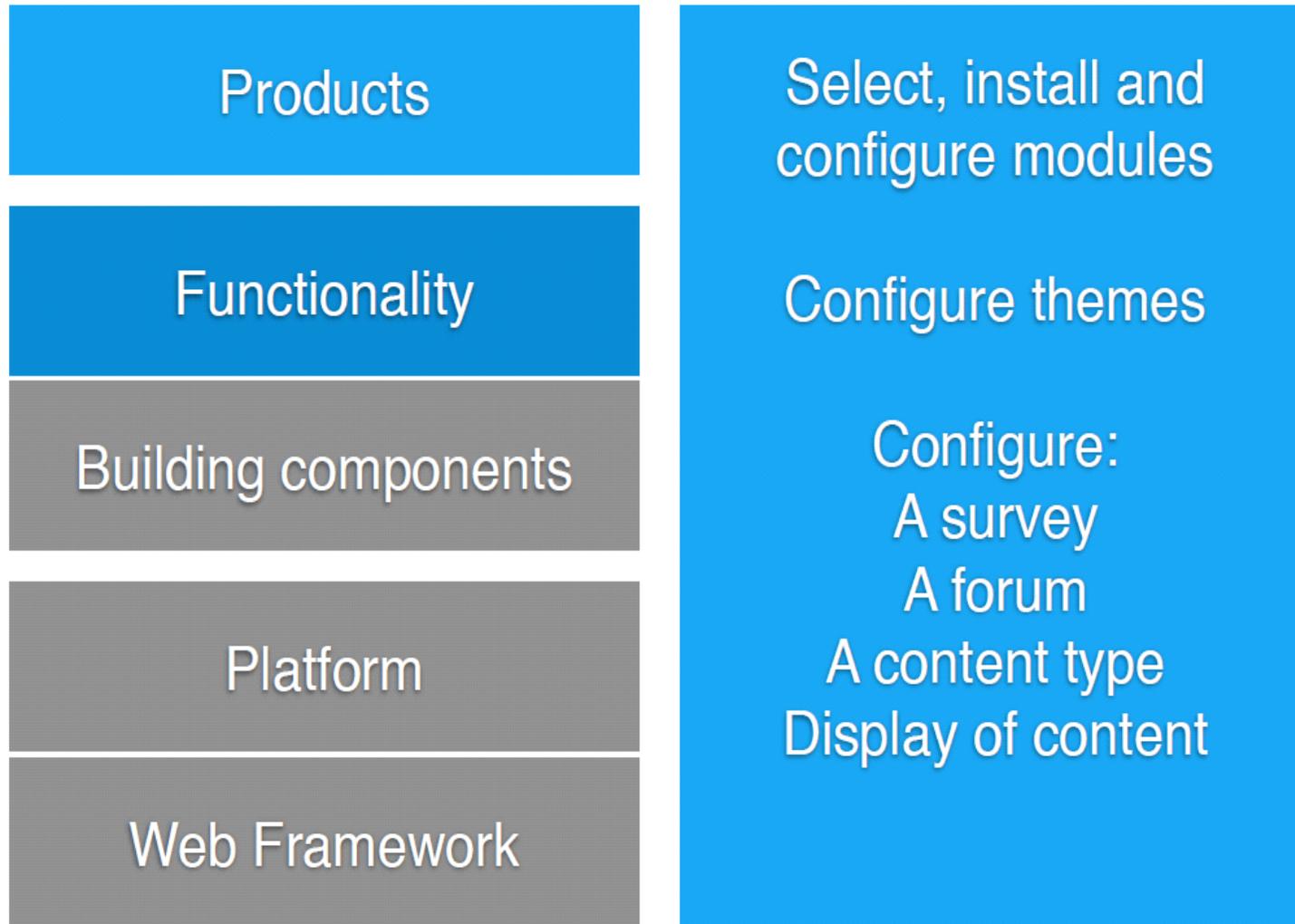
End-user experience



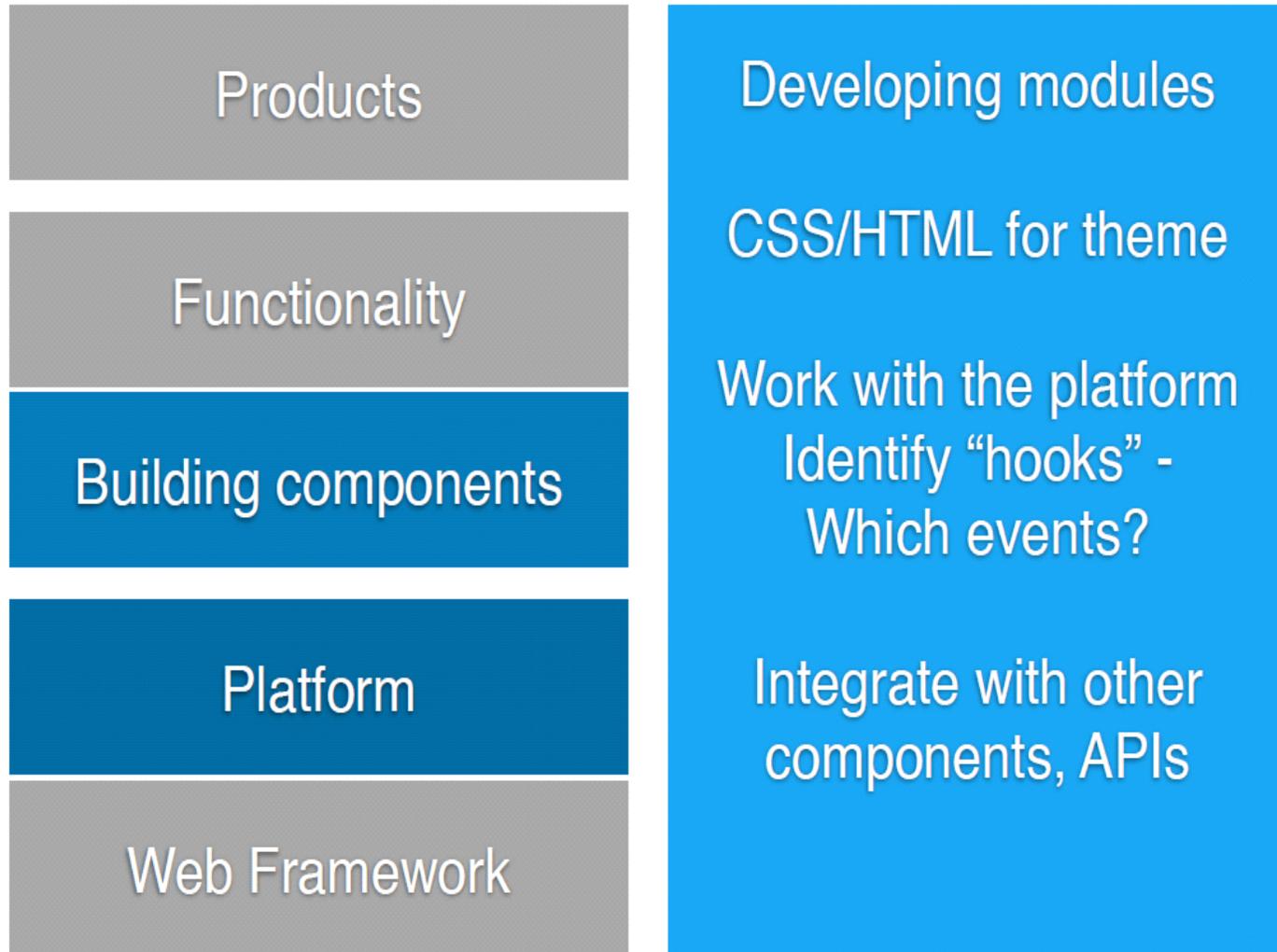
Editor experience



Site building - 80-90%



Custom coding 10-20%





An event based system

Event (hooks)	
A node has just been added	✓
A node is showing in an edit form	✓
A node is being deleted	
A form is about to be displayed	
A user has logged in	✓
A user page is about to be displayed	✓
A comment has been added	✓



What can you do?

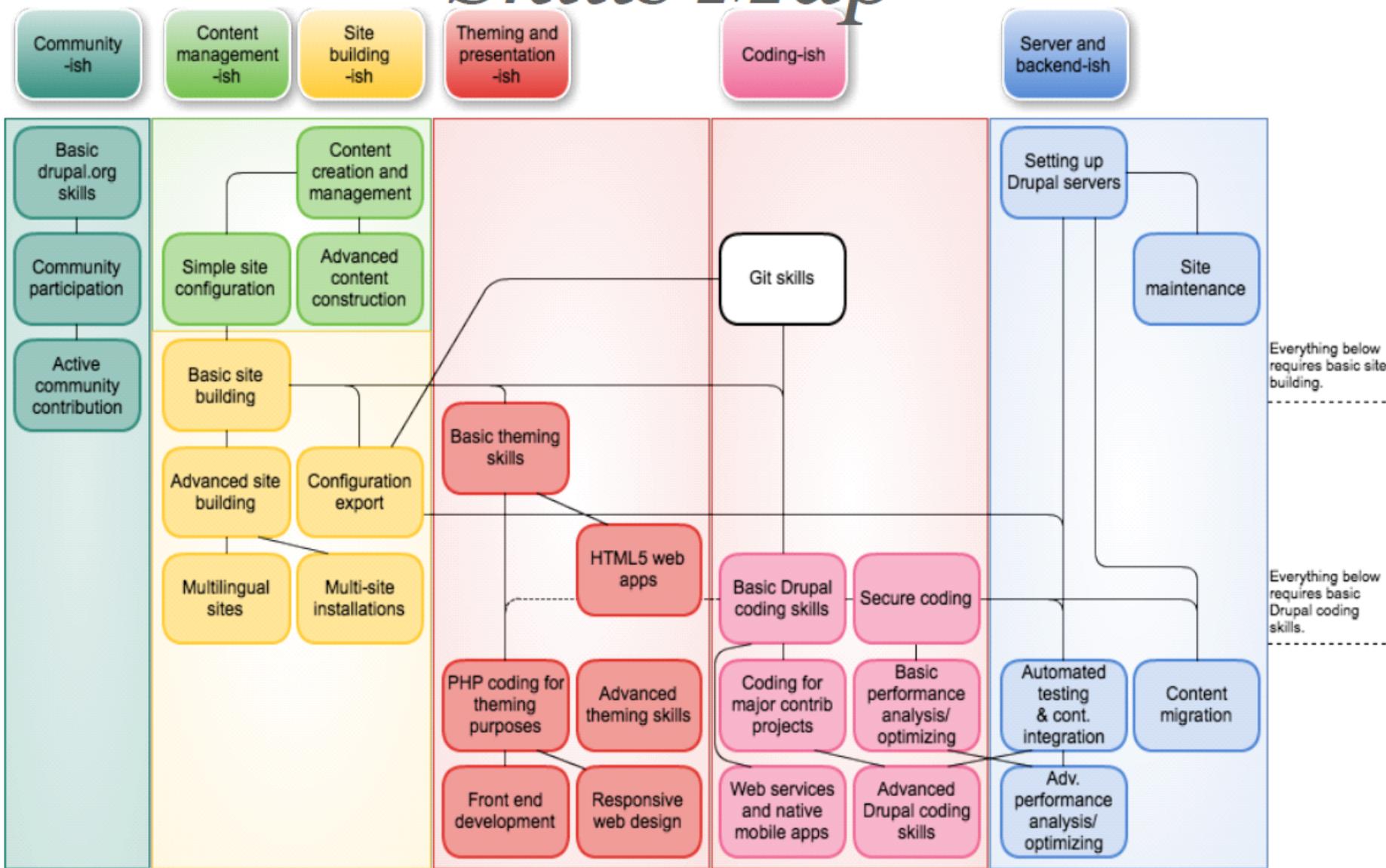
- Use or create hooks- a simple callback function called on specific events.
- Check access control.
- Access data, from within Drupal or other datasource.
- Insert, update and delete data.
- Generate blocks.
- Display results, or expose data to Views.
- Theme how results or outcomes appear.

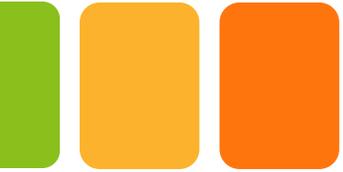


What can you do?

- Use or create hooks- a simple callback function called on specific events.
- Check access control.
- Access data, from within Drupal or other datasource.
- Insert, update and delete data.
- Generate blocks.
- Display results, or expose data to Views.
- Theme how results or outcomes appear.

Skills Map



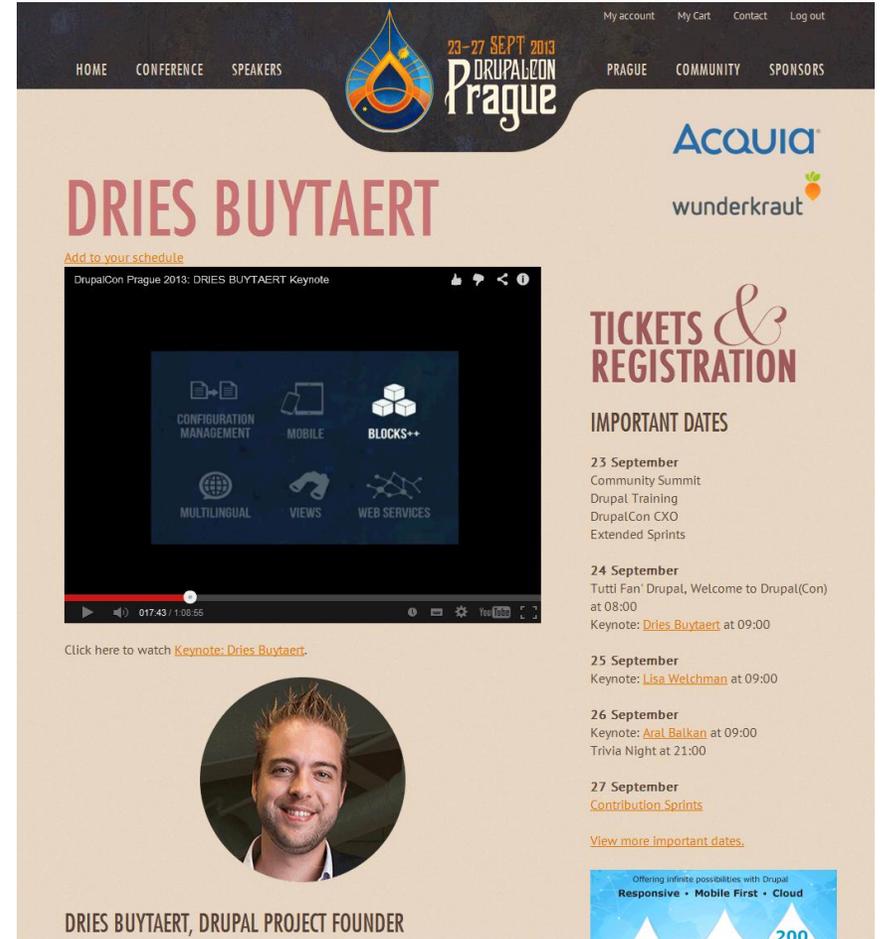


Drupal 8 の概要

新機能

- Configuration Management
- Mobile
- Blocks++
- Multilingual
- VIEWS
- Web Services

- <https://prague2013.drupal.org/keynote/dries-buytaert>



The screenshot shows the DrupalCon Prague 2013 website. At the top, there is a navigation bar with links for HOME, CONFERENCE, SPEAKERS, PRAGUE, COMMUNITY, and SPONSORS. The event dates are 23-27 SEPT 2013. The main content area features a video player for Dries Buytaert's keynote, titled "DRIES BUYTAERT". Below the video player is a circular profile picture of Dries Buytaert and the text "DRIES BUYTAERT, DRUPAL PROJECT FOUNDER". To the right of the video player, there is a "TICKETS & REGISTRATION" section with "IMPORTANT DATES" for September 23-27, listing various events and keynote speakers.



- **DrupalCon Amsterdam - September 2014**
- Youtubeのサイト
https://www.youtube.com/playlist?list=PLpeDXSh4nHjQBf_S0dQgY-k6TnbCn3pSj
- Drupal 8 の機能紹介ビデオ(英語)がたくさんあります！
- **Drupal 8 - A Brief Introduction**
- <https://www.youtube.com/watch?v=ktCgVopf7D0>

Configuration Management 構成管理

- サイト機能をバックアップ
- モジュールや機能別に
- サイト移行、複製に便利

The screenshot shows the 'Single export' interface in Drupal. It features three tabs: 'Synchronize', 'Single Import/Export', and 'Full Import/Export'. Below the tabs, there are links for 'インポート' (Import) and 'エクスポート' (Export). A breadcrumb trail reads 'ホーム > 管理 > 環境設定 > 開発 > Synchronize'. The 'Configuration type' is set to 'Simple configuration'. The 'Configuration name' is 'locale.settings'. A text area displays the following configuration:

```
cache_strings: true
translate_english: false
javascript:
  directory: languages
translation:
  use_source: remote_and_local
  default_filename: '%project-%version.%language.po'
  default_server_pattern: 'http://ftp.drupal.org/files/translations/%core/%project/%project-%version.%language.po'
  overwrite_customized: false
  overwrite_not_customized: true
  update_interval_days: 0
  path: sites/default/files/translations
  import_enabled: true
```

At the bottom, it states: 'The filename is locale.settings.yml.'

モバイル対応

- フロントエンド
- 管理画面
- モジュールも対応
- タブレット

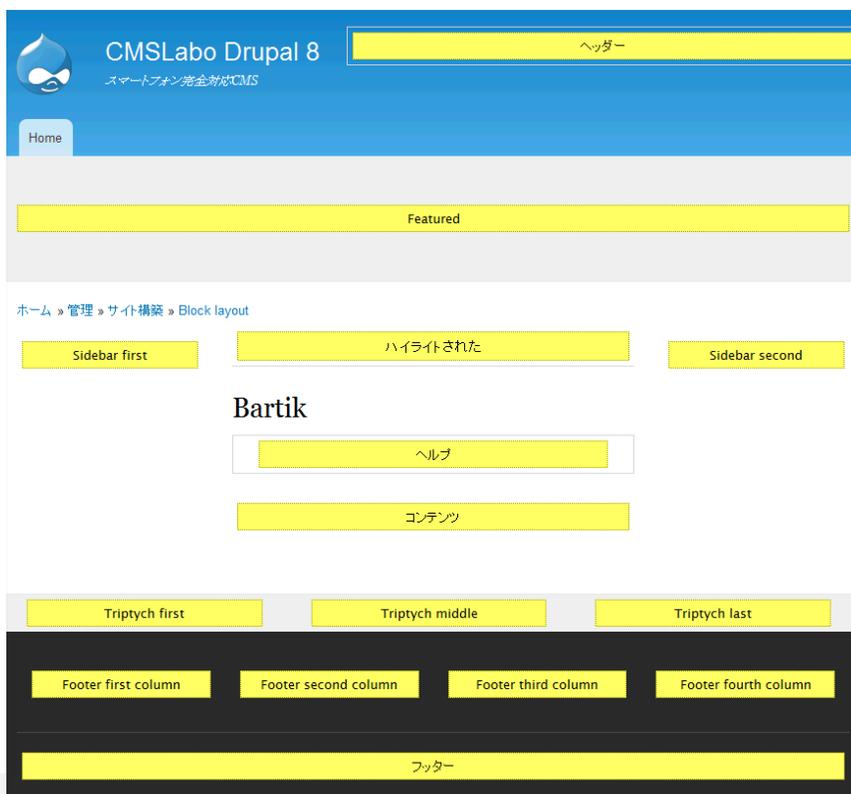
フロントエンド



管理画面

ブロック機能 レイアウト

- 自由なレイアウト



Block layout ☆

Block layout Custom block library

Bartik Seven

ホーム » 管理 » サイト構築

This page provides a drag-and-drop interface for adding a block to a region, and for controlling the order of blocks within regions. To add a block to a region, or to configure its specific title and visibility settings, click the block title under *Place blocks*. Since not all themes implement the same regions, or display regions in the same way, blocks are positioned on a per-theme basis. Remember that your changes will not be saved until you click the *Save blocks* button at the bottom of the page.

ブロックリージョンを仮表示する

+ カスタムブロックを追加

行のウェイトを表示する

ブロック	カテゴリー	リージョン	操作
ヘッダー			
このリージョンにブロックはありません			
ヘルプ			
+ System Help	システム	ヘルプ	
ハイライトされた			
このリージョンにブロックはありません			
Featured			
このリージョンにブロックはありません			
コンテンツ			
+ メインページコンテンツ	システム	コンテンツ	

Place blocks

Filter by block name

- FORMS
 - + ユーザーログイン
 - + 検索フォーム
- LISTS (VIEWS)
 - + アグリゲーターフィード
 - + オンライン状況
 - + 新しいフォーラムトピック
 - + 最近のコメント
 - + 最近のコンテンツ
 - + 活発なフォーラムトピック
- システム
 - + Breadcrumbs

Webform機能が標準

- 標準の問合せフォーム
- 項目(フィールド)追加

Manage form display ☆

フィールドの管理 Manage form display 表示管理

[ホーム](#) » [管理](#) » [サイト構築](#) » [Contact form categories](#)

[行のウェイトを表示する](#)

フィールド	ウィジェット
⊕ Sender name	表示 ▼
⊕ Sender e-mail	表示 ▼
⊕ Recipient user name	表示 ▼
⊕ 件名	表示 ▼
⊕ メッセージ	表示 ▼
⊕ Send copy to sender	表示 ▼

無効

隠されたフィールドはありません。

保存

Multilingual 多言語対応

- コアレベルから対応
- コンテンツ、メニュー他
- UTF-8

Content language ☆

[ホーム](#) » [管理](#) » [環境設定](#) » [地域と言語](#)

Before you can translate content, there must be at least two languages added on the [languages administration](#) page. Change language settings for *content types*, *taxonomy vocabularies*, *user profiles*, or any other supported element on your site. By default, language settings hide the language selector and the language is the site's default language.

Custom language settings

- Custom Block
- Shortcut link
- コメント
- コンテンツ
- タクソノミーターム
- メニューリンク
- ユーザー

コンテンツ

TRANSLATABLE	コンテンツタイプ	環境設定
<input checked="" type="checkbox"/>	Article	デフォルトの言語 Site's default language (Japanese) ▼ Explanation of the language options is found on the languages list page . <input checked="" type="checkbox"/> Show language selector on create and edit pages
<input type="checkbox"/>	タイトル	
<input type="checkbox"/>	Body	
<input type="checkbox"/>	Comment settings	
<input type="checkbox"/>	Image	
<input type="checkbox"/>	Tags	
<input type="checkbox"/>	Book page	デフォルトの言語 Site's default language (Japanese) ▼ Explanation of the language options is found on the languages list page . <input type="checkbox"/> Show language selector on create and edit pages



Viewsモジュール

- データベース参照
- 使いやすい
- ノンプログラミング

Frontpage (コンテンツ) ☆

編集 Translateビュー

ホーム » 管理 » サイト構築 » 表示

ディスプレイ

Master ページ フィールド +追加 ビューの名前 / 説明の編集

タイトル
タイトル: なし

フォーマット
フォーマット: フォーマットされていないリスト | 環境設定
表示: 失われたスタイルブラダイン | 失われたスタイルブラダイン

フィールド
The selected style or row format does not utilize fields.

フィルターの条件
Add
コンテンツ: Promoted to front page status (はい)
コンテンツ: Published status (はい)
並び替え基準
Add
コンテンツ: Sticky status (降順)
コンテンツ: 投稿日 (降順)

アクセス: 権限 | 公開されたコンテンツを読む

ヘッダー
Add

フッター
Add

結果が返されなかった場合の動作
Add
Global: Unfiltered text (Global: Unfiltered text)
コンテンツ: Empty Node Frontpage behavior (コンテンツ: Empty Node Frontpage behavior)
Global: Title override (Global: Title override)

ページャー
ページャーを使用: すべて | Paged, 10 items
続きへのリンク: いいえ
ディスプレイコリンク: なし

高度
前後関係からみたフィルター
Add
リレーションシップ
Add
外部設置フォーム
外部設置フォームのスタイル: 基本 | 環境設定
その他
Administrative comment: なし
AJAXを利用: いいえ
Hide attachments in summary: いいえ
コンテンツ上のリンク: Shown
Use aggregation: いいえ
クエリーの設定: 環境設定
フィールドの言語: カレントユーザーの言語
キャッシュ: なし
CSSクラス: なし
出力: テンプレート

項目をクリックして、詳細を編集してください。

保存 キャンセル

自動プレビュー Preview with contextual filters:
Separate contextual filter values with a "*". For example, 40/12/10.



フィールドタイプ

- 良く使うもの

FIELD TYPES

名前	説明
<input checked="" type="checkbox"/> Datetime	▸ Defines datetime form elements and a datetime field type.
<input checked="" type="checkbox"/> E-mail	▸ Defines a field type for e-mail addresses.
<input checked="" type="checkbox"/> Entity Reference	▸ Provides a field that can reference other entities.
<input checked="" type="checkbox"/> File	▸ Defines a file field type.
<input checked="" type="checkbox"/> Image	▸ Defines an image field type and provides image manipulation tools.
<input checked="" type="checkbox"/> Link	▸ Provides a simple link field type.
<input checked="" type="checkbox"/> Number	▸ Defines numeric field types.
<input checked="" type="checkbox"/> Options	▸ Defines selection, check box and radio button widgets for text and numeric fields.
<input checked="" type="checkbox"/> Telephone	▸ Defines a field type for telephone numbers.
<input checked="" type="checkbox"/> Text	▸ Defines simple text field types.

Webサービス

- バックエンド

RSS配信 ☆

環境設定

Translate rss配信

ホーム » 管理 » 環境設定 » ウェブサービス

フィードの説明

Empty

すべてのフィードに含まれるサイトの説明。

各フィードのアイテム数

10

各フィードに含める、デフォルトのアイテム数を指定してください。

Feed content

タイトルのみ

各フィードのアイテムにデフォルトで表示する内容を指定してください。この設定はサイト全般で使用されます。

設定を保存

▼ ウェブサービス

名前	説明
<input type="checkbox"/> HAL	▶ Serializes entities using Hypertext Application Language.
<input type="checkbox"/> HTTP Basic Authentication	▶ Provides the HTTP Basic authentication provider
<input type="checkbox"/> RESTful Web Services	▶ Exposes entities and other resources as RESTful web API
<input type="checkbox"/> Serialization	▶ Provides a service for (de)serializing data to/from formats such as JSON and XML

CKEditorが標準

- 機能拡張が容易
- 他のエディタも使える

タイトル*

The title of this node, always treated as non-markup plain text.

Tags

Enter a comma-separated list of words to describe your content.

Image

 ファイルが選択されていません。

One file only. 2 MB limit. Allowed types: png gif jpg jpeg.

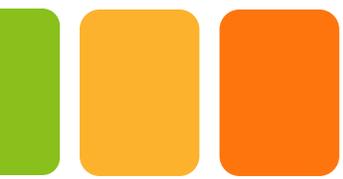
Body (概要を編集)

B *I* ソース

テキストフォーマット Basic HTML ▼ [About text formats](#)

Save and publish ▼

プレビュー



Acquia DevDesktop 2で Drupal 8 ハンズオン



Acquia DevDesktopのインストール

Beta版のダウンロード : <https://www.acquia.com/downloads>

英文のマニュアル <https://docs.acquia.com/dev-desktop2>



Acquia Dev Desktop 2

Acquia Dev Desktop 2 allows you to install, test, and build Drupal sites locally on your Mac or Windows PC and optionally host them on either [Acquia Cloud](#) or the [Acquia Cloud Free](#) developer sandbox. Easily push or pull to synchronize your local site's code, database, or files with any Acquia Cloud environment.

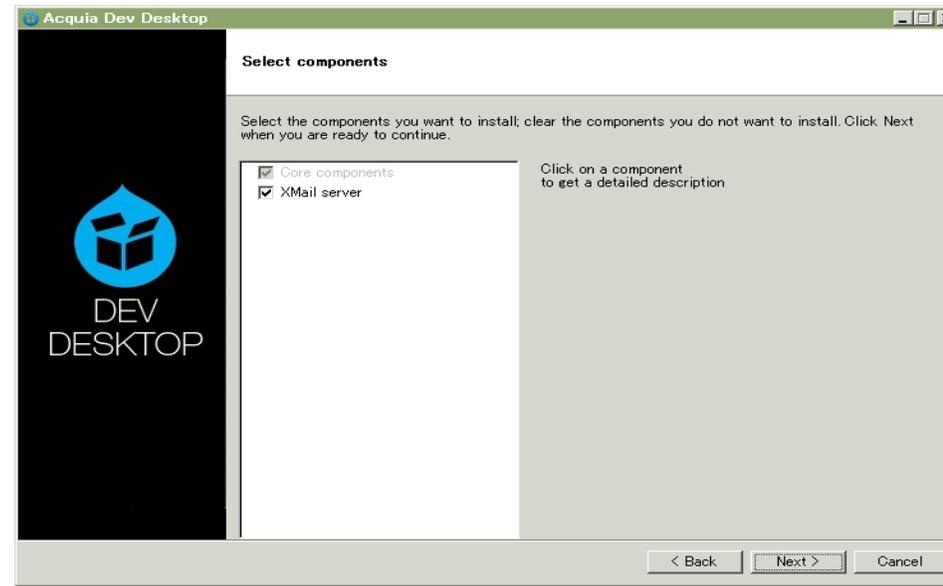
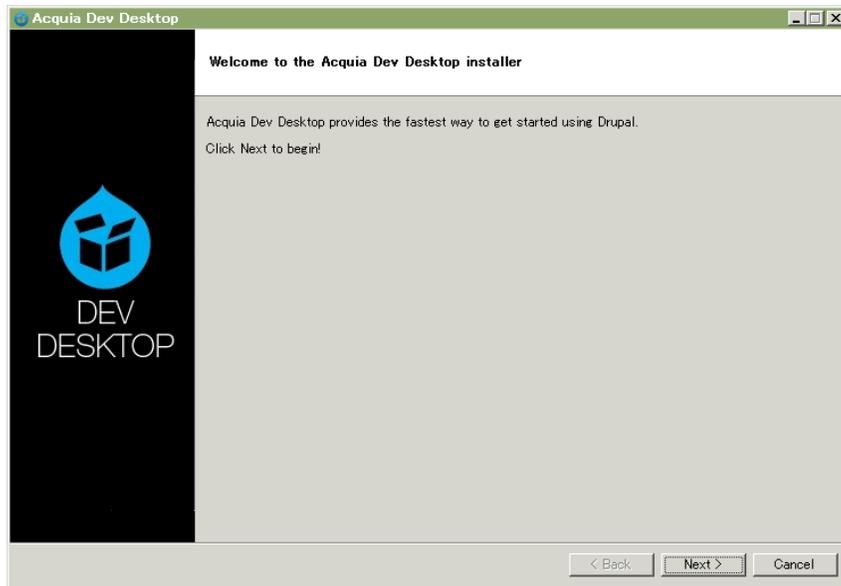
[Get Installation Instructions](#) →

MAC DOWNLOAD

WIN DOWNLOAD

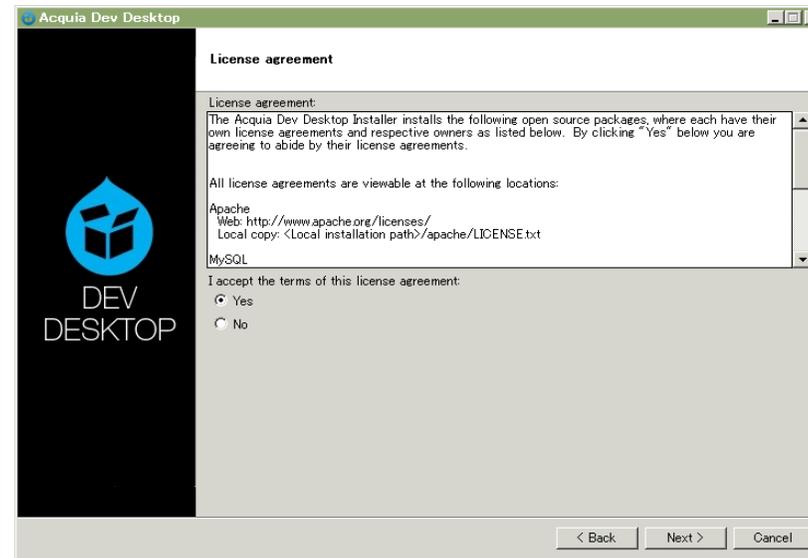
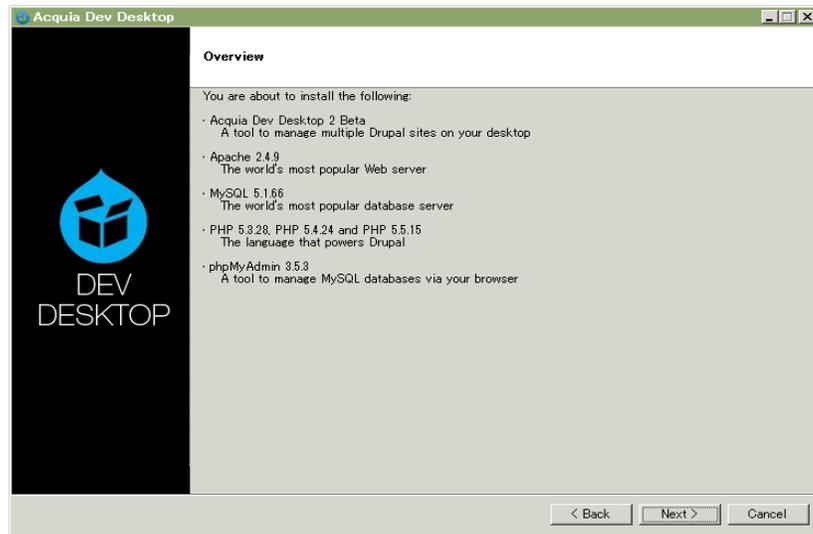
Oct 14 Mac and Windows Release Candidate build

[Dev Desktop v1 and older releases](#)



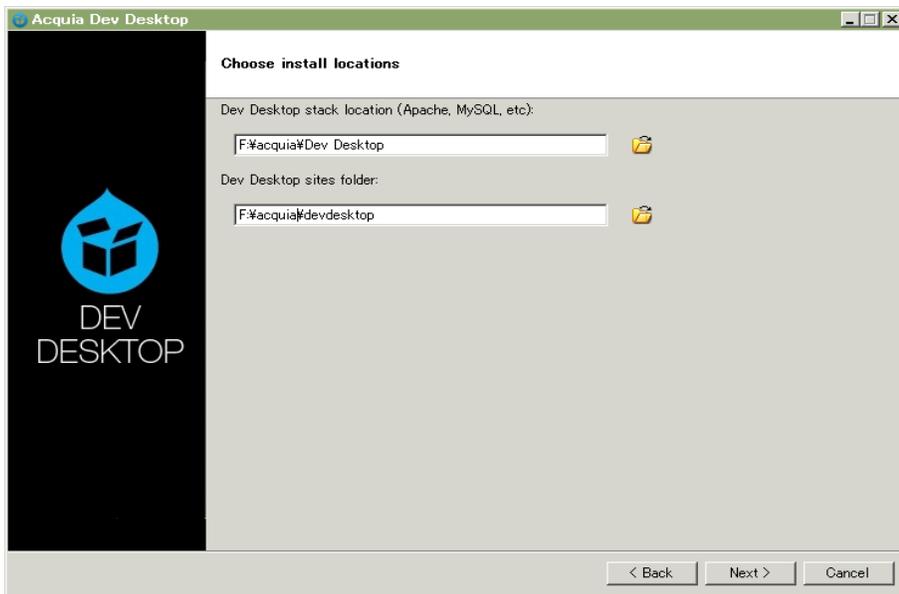
Nextをクリック

XMail server はWindowsのPCでメールを送信できるようにするSMTPプログラムです。実行できる状態でNextへ

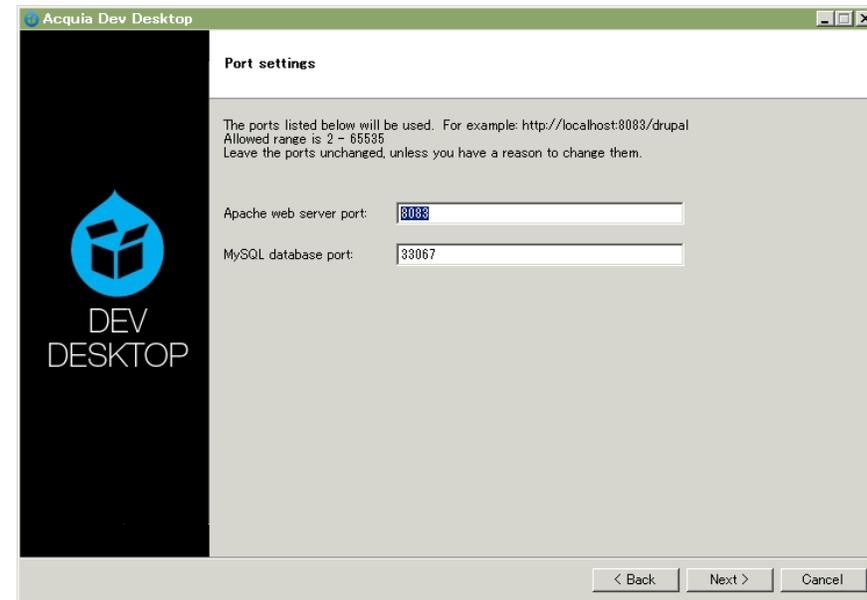


内容を確認してNextへ

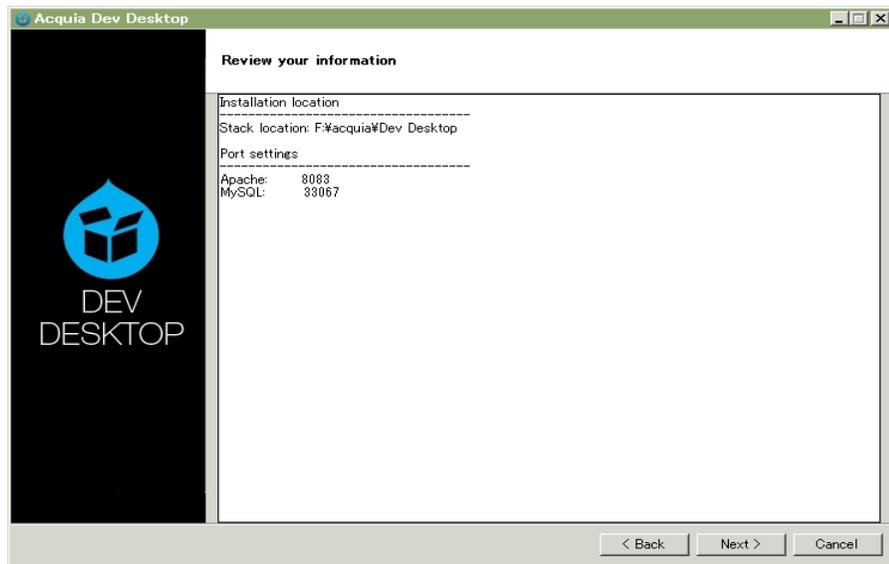
ライセンス OKとして Next



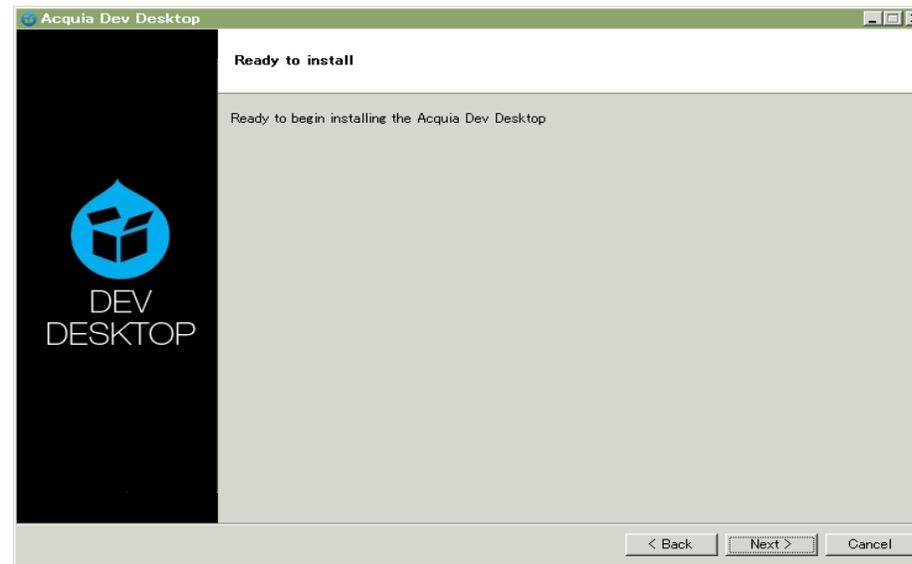
任意のインストール先を指定して、Next



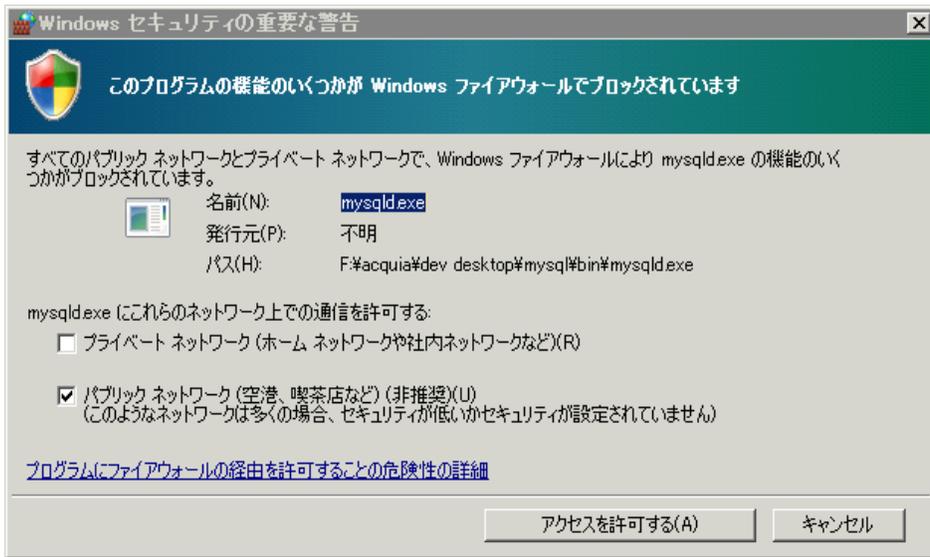
ポートは問題なければデフォルトでNext



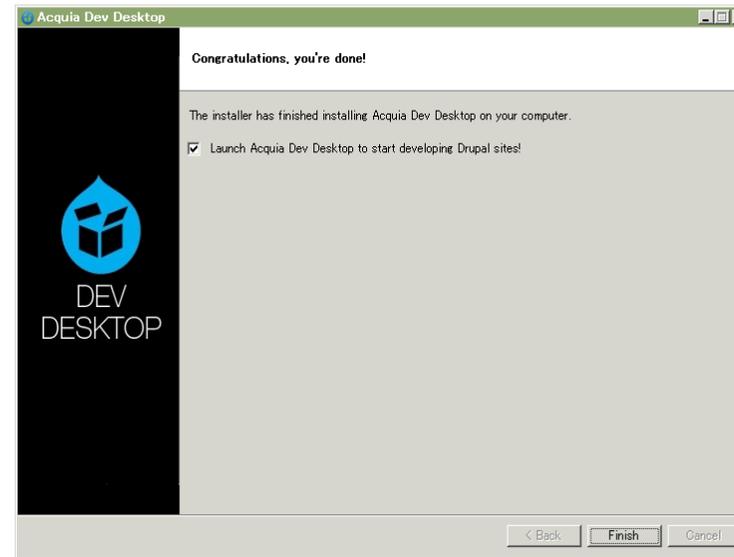
内容確認後、Next



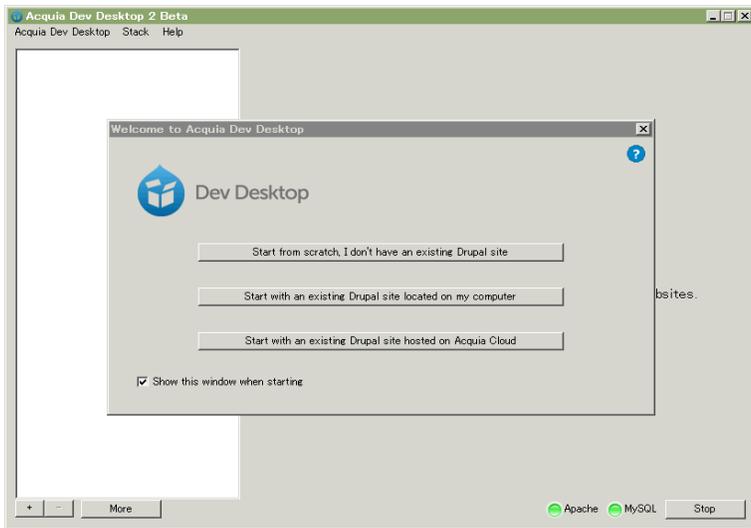
Nextでインストール開始



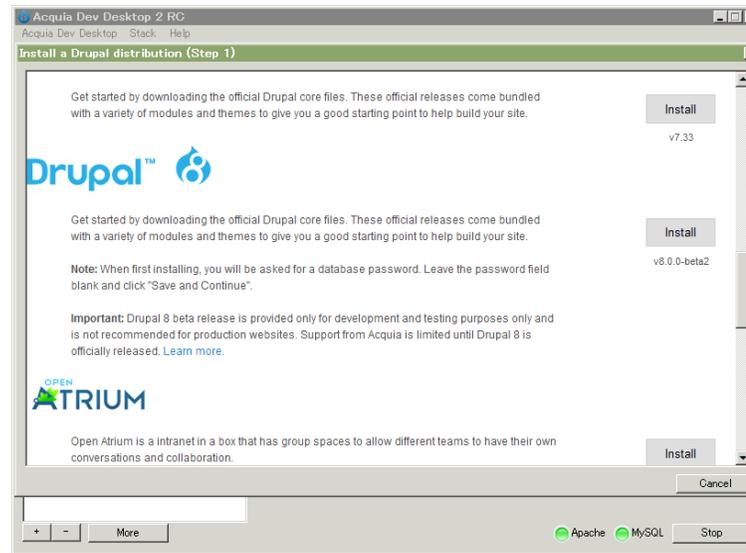
インストールで上記の警告が表示された場合、「アクセスを許可する」をクリック



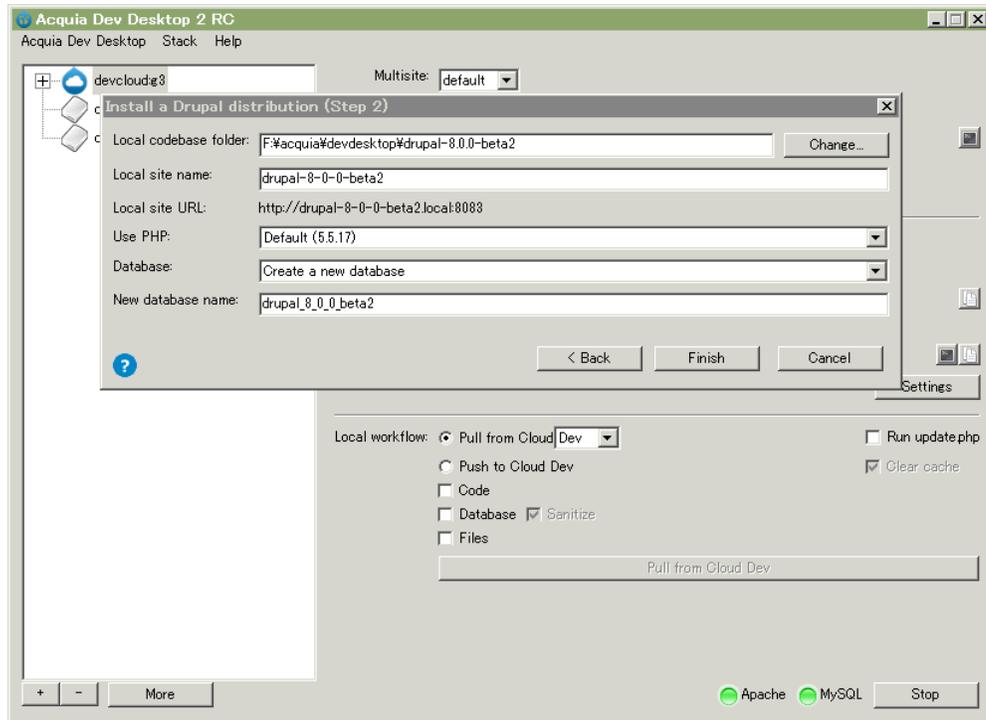
DevDesktopのインストール完了です。Finishをクリック



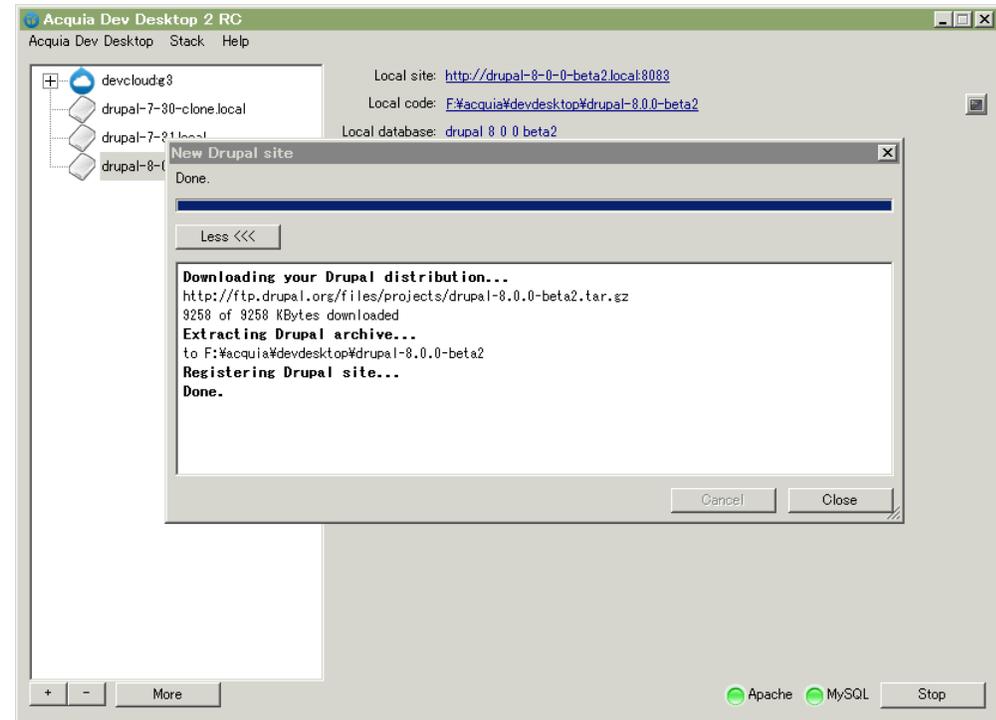
Drupalをインストールします。一番上の Start from scratch, ... を選択し



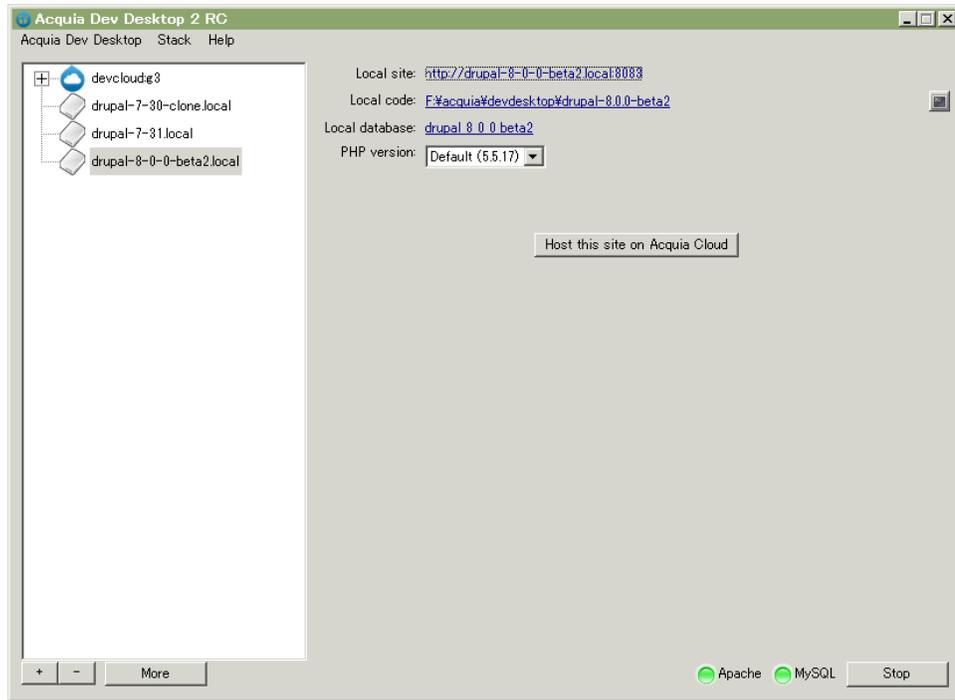
Drupal 8 をインストールします。



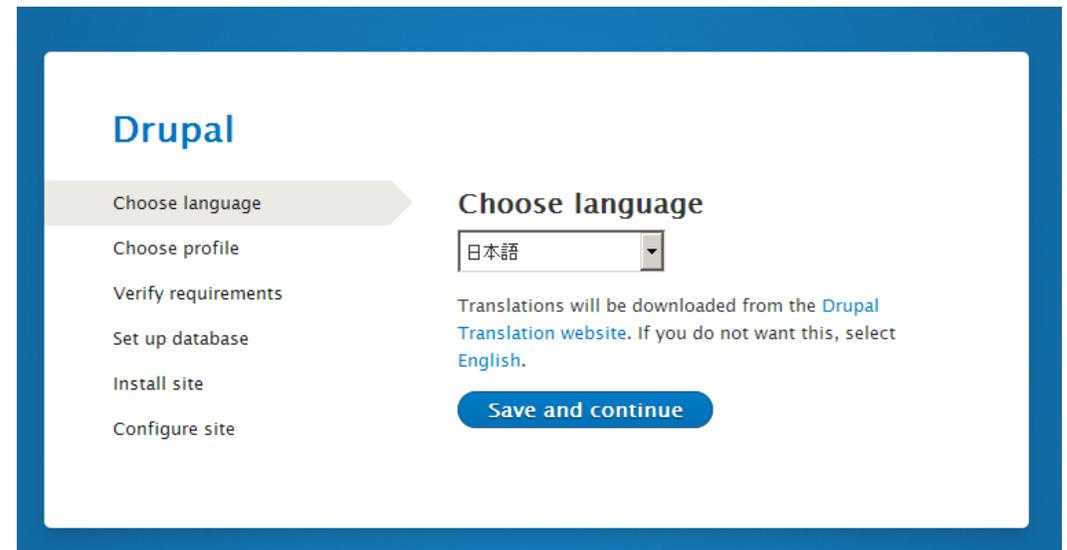
問題がなければ標準のまま



Closeをクリックし完了



Local site のURLをクリック



Save and continue をクリック



Drupal

- 言語の選択
- プロフィールの選択**
- 必要条件の検証
- データベースのセットアップ
- サイトのインストール
- 翻訳のセットアップ
- サイトの環境設定
- 翻訳の完了
- 翻訳設定

インストールプロフィールを選んでください

インストールプロフィールを選んでください

- 標準
開始時点から、一般的な機能を利用できる形でインストールする。
- 最少
Build a custom site without pre-configured functionality.
Suitable for advanced users.

[保存して次へ](#)

Drupal

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- 翻訳の完了
- 翻訳設定

データベースの設定

データベースのタイプ *

MySQL, MariaDB, Percona Server, or equivalent

データベース名 *

データベースのユーザー名 *

データベースのパスワード

▶ 高度なオプション

[保存して次へ](#)

保存して次へ をクリック

データベースのパスワードはそのまま、記入しないで「保存して次へ」をクリック



Drupal

言語の選択

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サイトの環境設定

翻訳の完了

翻訳設定

Installing Drupal

Installed *Interface Translation* module.

Completed 19 of 39. 49%

インストール開始

Drupal

言語の選択

プロフィールの選択

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翻訳の完了

翻訳設定

サイトの環境設定

✓ One translation file imported. 3940 translations were added, 0 translations were updated and 0 translations were removed.

⚠ One translation string was skipped because of disallowed or malformed HTML. See the log for details.

サイト情報

サイト名 *

drupal-8-0-0-beta2.local

Site email address *

nodota@gmail.com

Automated emails, such as registration information, will be

アドレス、ユーザ名、パスワード、デフォルトの国などを設定、「保存して次へ」をクリック



管理 ショートカット office

アカウント情報

 drupal-8-0-0-beta2.local

ホーム

✓ おめでとうございます。Drupal のインストールが完了しました。

検索



ツール

[コンテンツの追加](#)

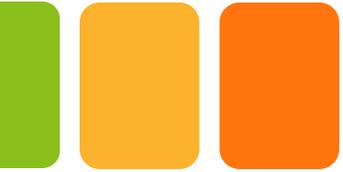
Welcome to drupal-8-o-o-beta2.local

Welcome to drupal-8-o-o-beta2.local
No front page content has been created yet.

- [コンテンツの追加](#)



インストール完了



大学での事例



Drupalを使って大学の授業を行っている事例

- 東京大学 浜田忠久さん
- 社会調査の授業で、Webformモジュールを活用したWebアンケート、ほか



ご質問！

お問合せは、Gennai3株式会社の程田まで。

hodota@genni3.co.jp Tel: 044-220-1588 です。

この資料は以下の資料をもとに作成しました。



Course summary line



**HELLO DRUPAL! /
WELCOME!**

Acquia™

Download: <http://training.acquia.com/hellodrupal>