Chapter 1: Developer Workflow

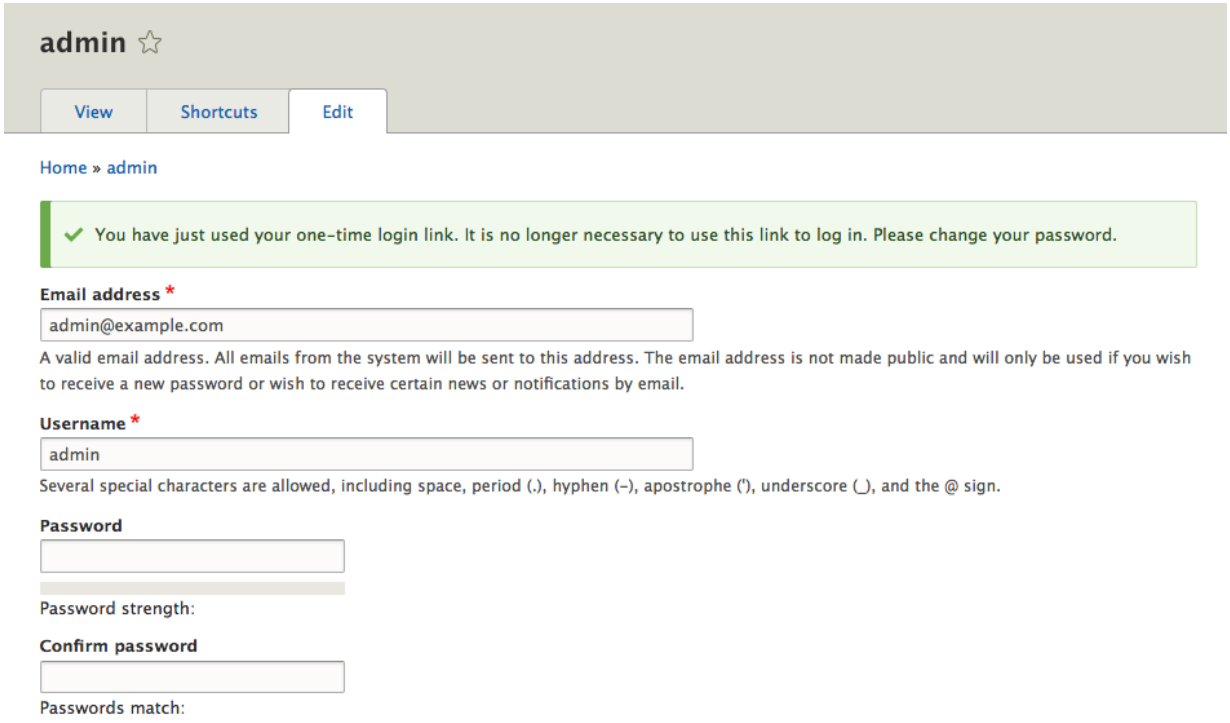
```
Available commands:
  about           Short information about Composer
  archive         Create an archive of this composer package
  browse          Opens the package's repository URL or homepage in your browser.
  clear-cache     Clears composer's internal package cache.
  clearcache      Clears composer's internal package cache.
  config          Set config options
  create-project  Create new project from a package into given directory.
```

```
cchumley@forumone:~/Sandbox|⇒  composer create-project drupal-composer/drupal-project:8.x-dev mastering --stability dev --no-interaction
Installing drupal-composer/drupal-project (8.x-dev a271d50e329428529e85f473db3a55c8f5514a7e)
  - Installing drupal-composer/drupal-project (8.x-dev a271d50) Cloning a271d50e32 from cache
Created project in mastering
```

```
Core Drush commands: (core)
 archive-dump (ard,    Backup your code, files, and database into a single file.
 archive-backup, arb)
 archive-restore       Expand a site archive into a Drupal web site.
 (arr)
 core-cli (php)        Open an interactive shell on a Drupal site.
```

```
cchumley@forumone:~/Sandbox|⇒  drush dl drupal
Project drupal (8.3.4) downloaded to /Users/cchumley/Sandbox/drupal-8.3.4.
```

```
cchumley@forumone:~/Sandbox|⇒  ll
total 0
drwxr-xr-x  24 cchumley  staff   816B Jun 21 14:28 drupal-8.3.4
drwxr-xr-x  13 cchumley  staff   442B Jul  2 09:54 mastering
```




```
⇒  ./vendor/drupal/console/bin/drupal

Drupal Console (1.0.0-rc23)
============================
```

```
⇒  ./vendor/drupal/console/bin/drupal site:install

 Select Drupal profile to be installed:
  [0] minimal
  [1] standard
 > 1
```

```
Select language for your Drupal installation [English]:
> English
```

```
Drupal Database type:
 [0] MySQL, MariaDB, Percona Server, or equivalent
 [1] PostgreSQL
 [2] SQLite
> 2

Database File [sites/default/files/.ht.sqlite]:
> mastering.sqlite

Database Prefix [ ]:
>
```

```
Provide your Drupal site name [Drupal 8]:
> Mastering Drupal 8
```

```
Provide your Drupal site mail [admin@example.com]:
> admin@example.com
```

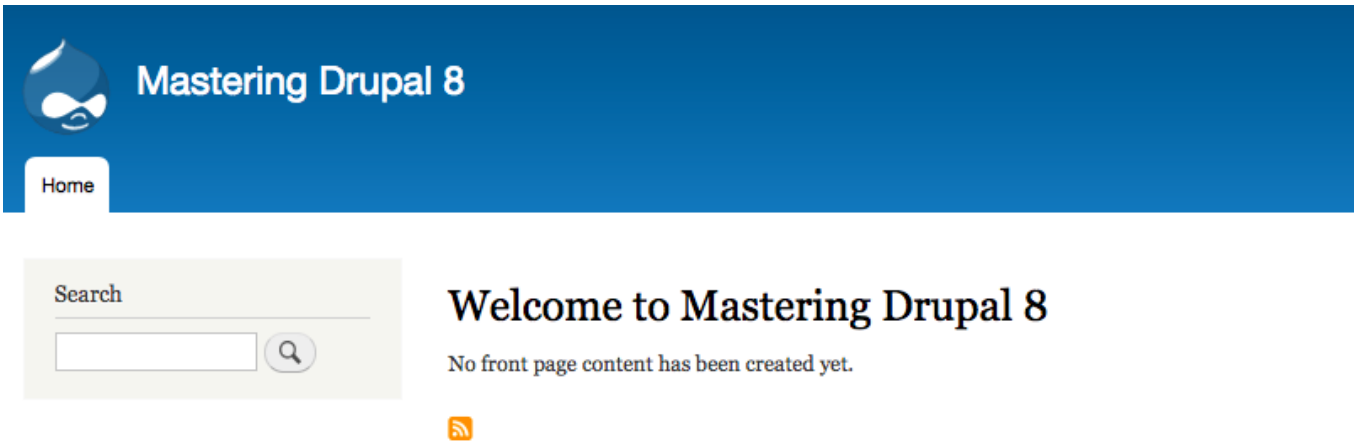
```
Provide your Drupal administrator account name [admin]:
> admin

Provide your Drupal administrator account password:
>

Provide your Drupal administrator account mail [admin@example.com]:
> admin@example.com
```

```
Starting Drupal 8 install process
```

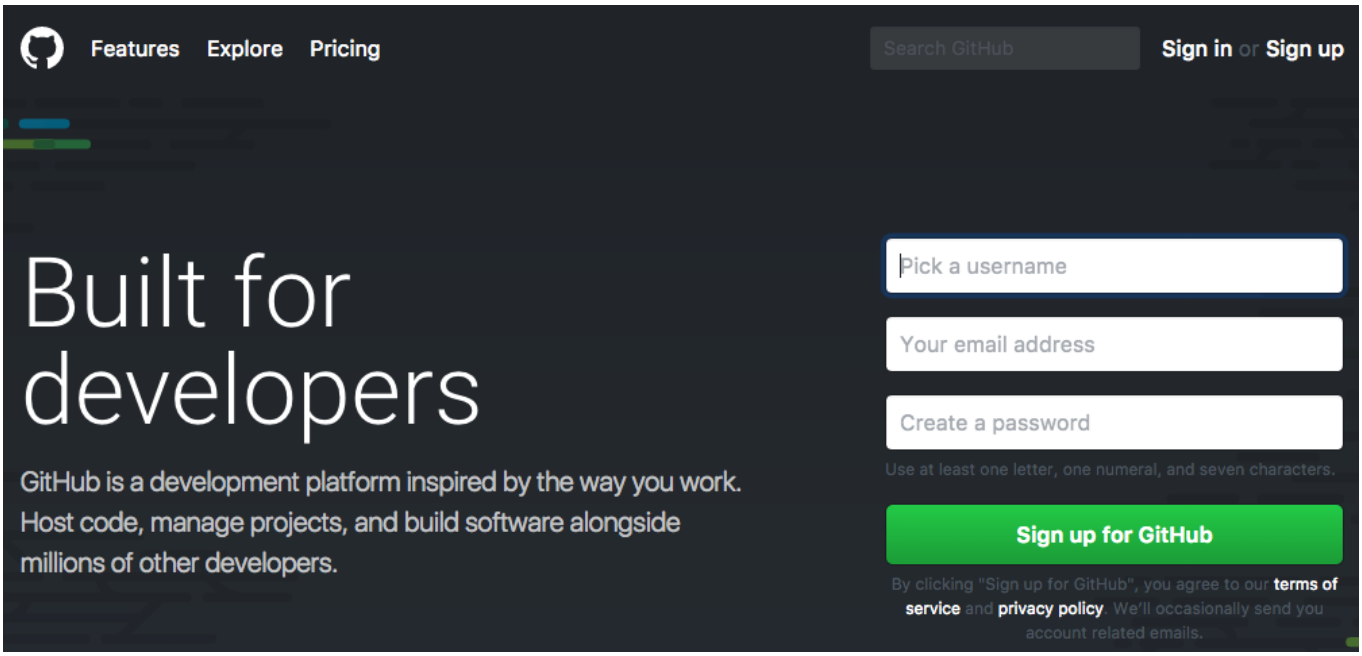
```
[OK] Your Drupal 8 installation was completed successfully
```

```
Available commands:
  about                   Display basic information about Drupal Console project
  chain                   Chain command execution
  check                   System requirement checker
  exec                    Execute an external command.
  help                    Displays help for a command
  init                    Copy configuration files.
  list                    Lists all available commands
```

```
⇒ drupal server

[OK] Executing php from "/Applications/MAMP/bin/php/php7.0.13/bin/php".

Listening on "127.0.0.1:8088".
```




```
⇒  which git
/usr/local/bin/git
```


Features
Explore
Pricing
Search GitHub
Sign in or Sign up
Built for developers
GitHub is a development platform inspired by the way you work. Host code, manage projects, and build software alongside millions of other developers.
Pick a username
Your email address
Create a password
Use at least one letter, one numeral, and seven characters.
Sign up for GitHub
By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We'll occasionally send you account related emails.

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner **Repository name**

chazchumley / Mastering-Drupal-8

Great repository names are short and memorable. Need inspiration? How about **stunning-octo-meme**.

Description (optional)

Mastering Drupal 8 - A book by Chaz Chumley and William Hurley

Public
Anyone can see this repository. You choose who can commit.

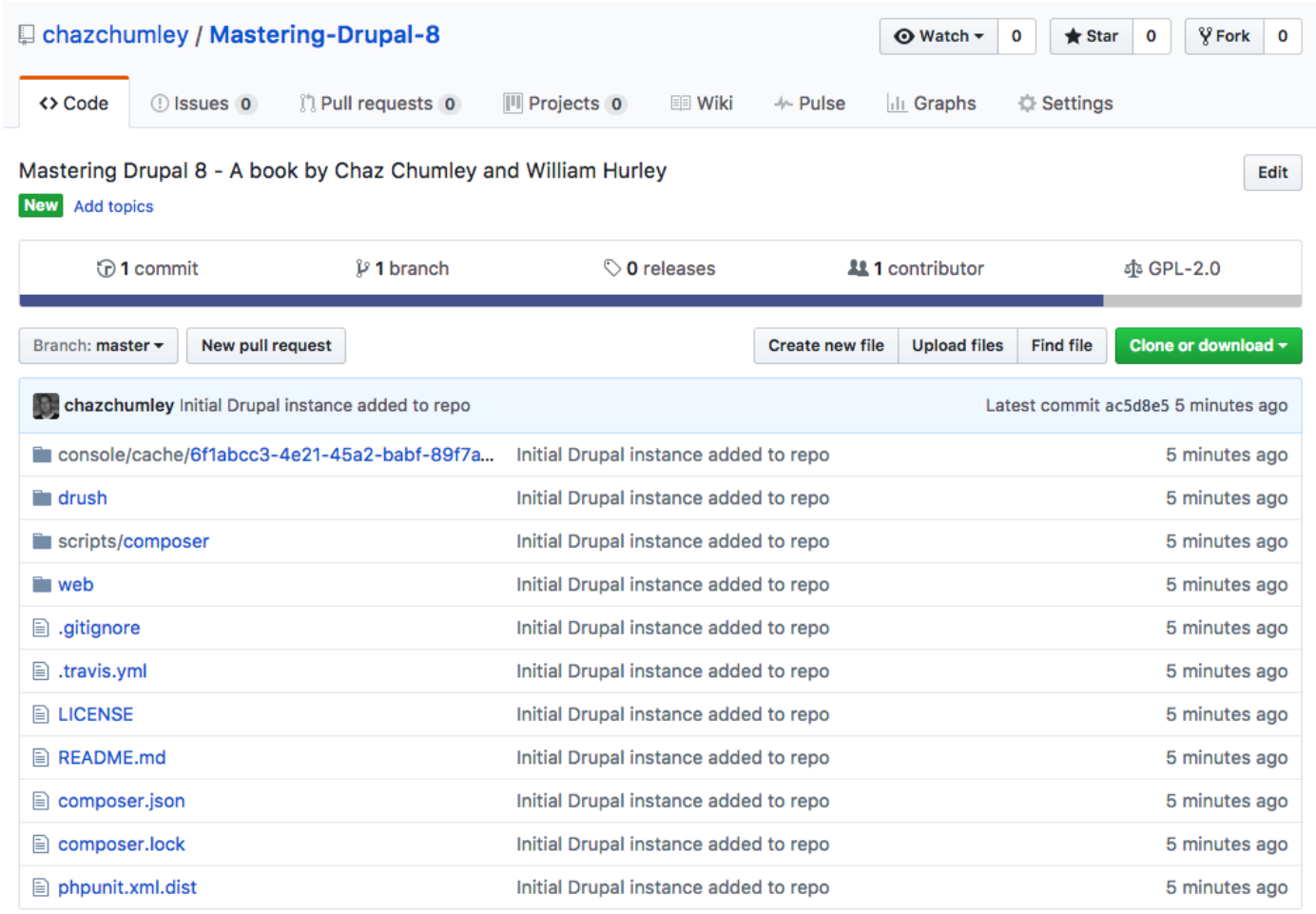
Private
You choose who can see and commit to this repository.

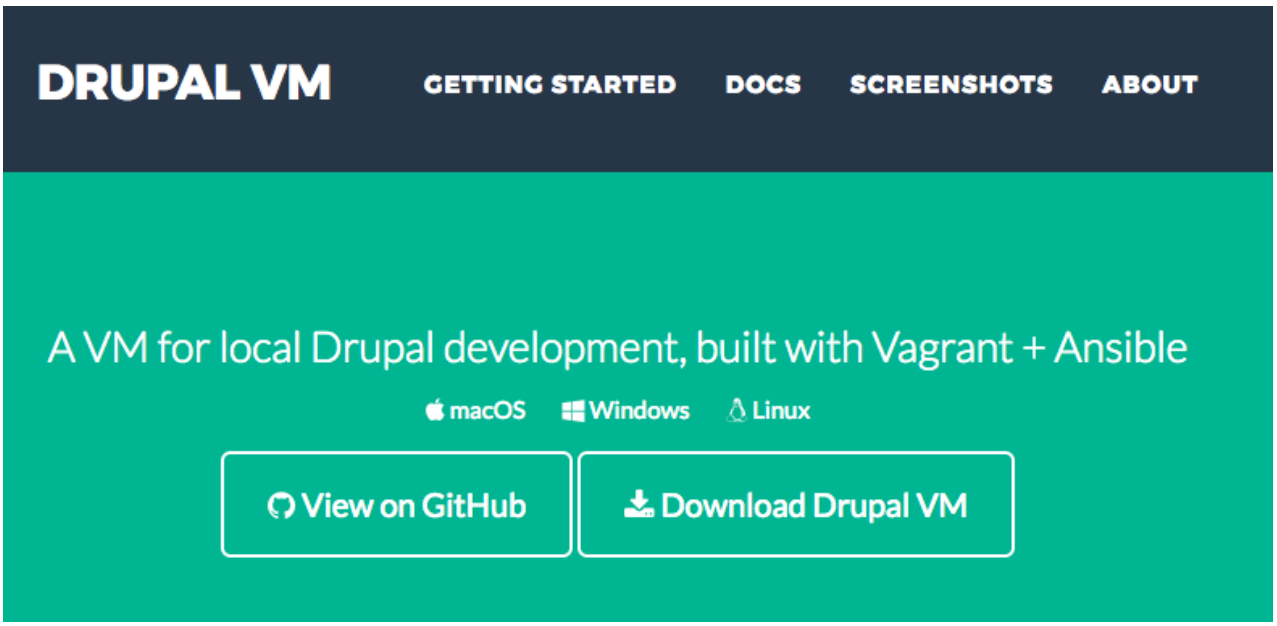
Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** | Add a license: **None**

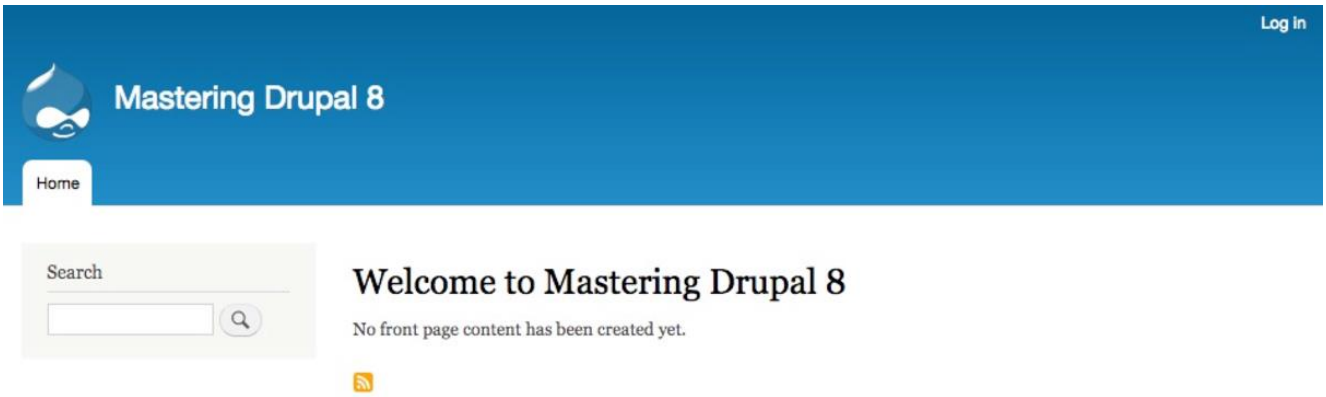
Create repository

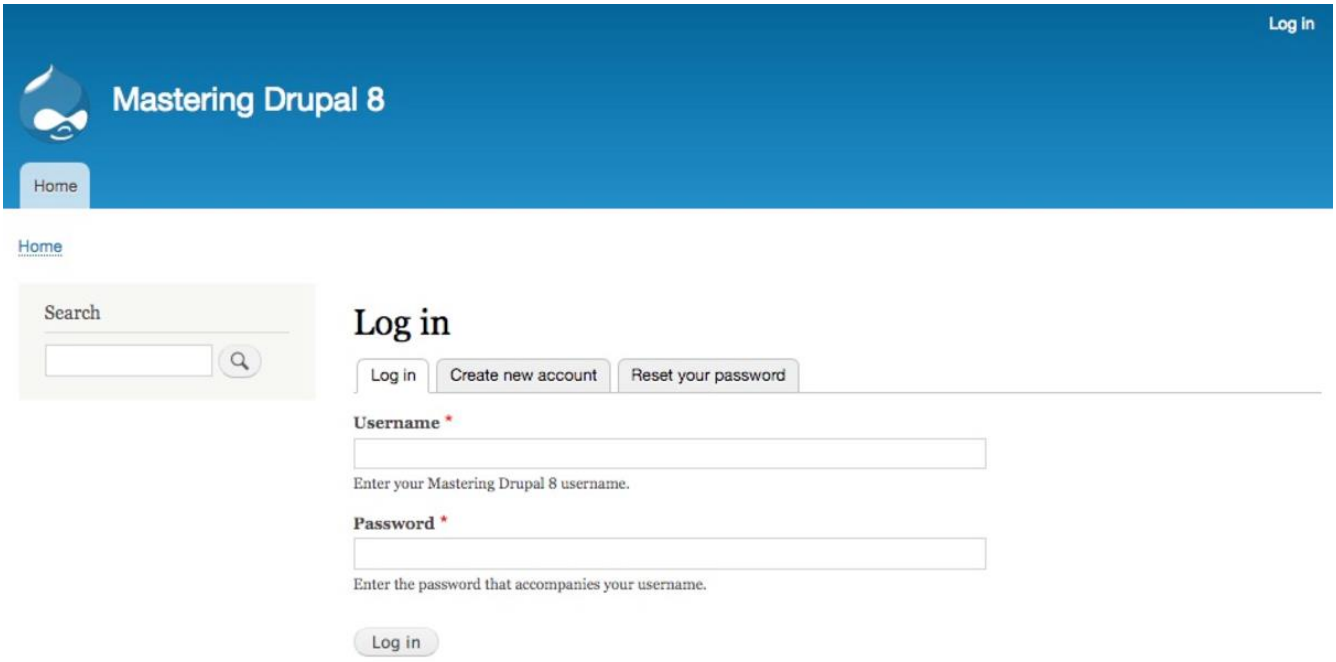
```
cchumley@forumone:~/Sandbox/mastering
⇒  git init
Initialized empty Git repository in /Users/cchumley/Sandbox/mastering/.git/
```

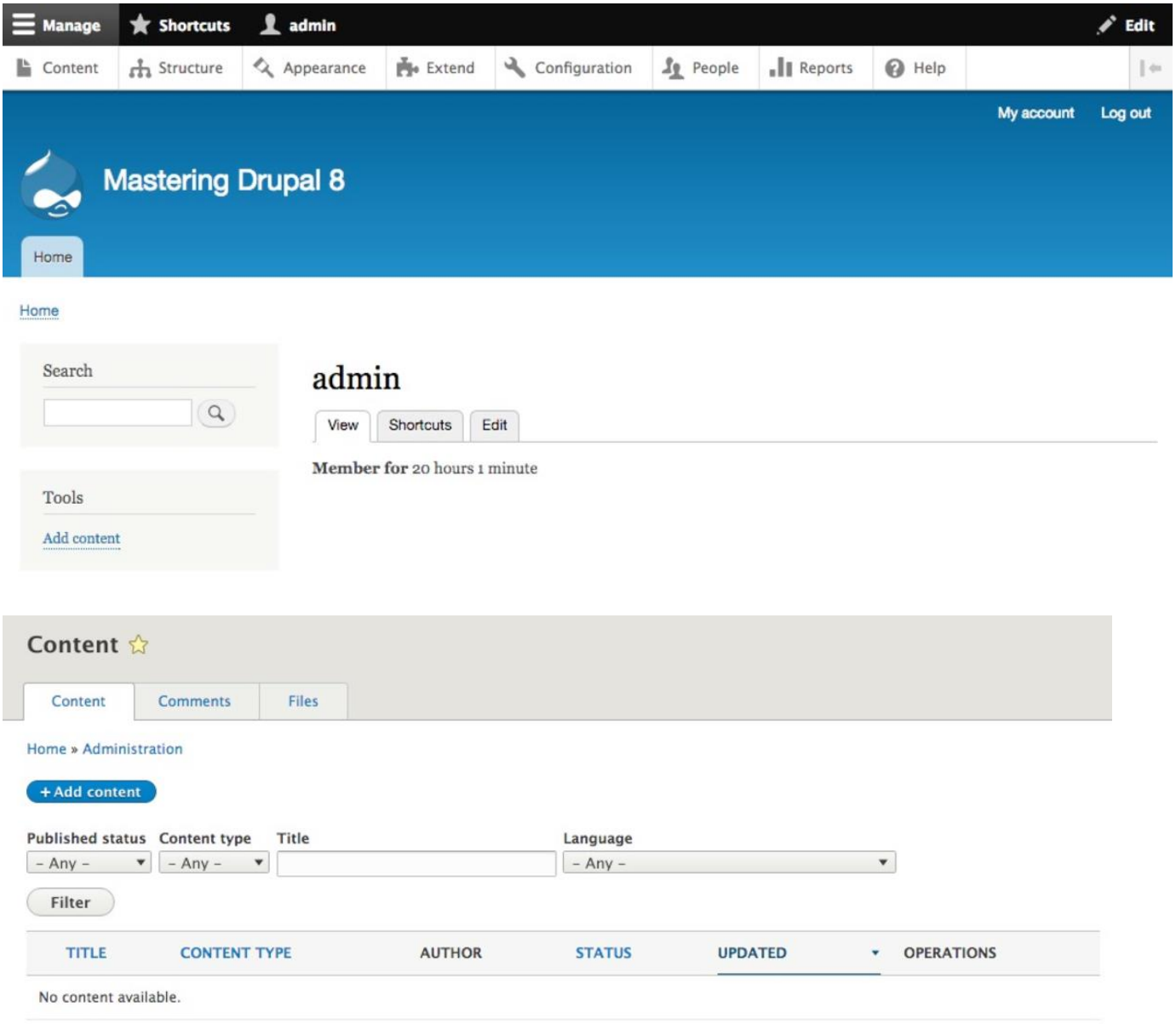

chazchumley / Mastering-Drupal-8
Watch 0
Star 0
Fork 0
Code
Issues 0
Pull requests 0
Projects 0
Wiki
Pulse
Graphs
Settings
Mastering Drupal 8 - A book by Chaz Chumley and William Hurley
Edit
New
Add topics
1 commit
1 branch
0 releases
1 contributor
GPL-2.0
Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download
chazchumley Initial Drupal instance added to repo
Latest commit ac5d8e5 5 minutes ago
console/cache/6f1abcc3-4e21-45a2-babf-89f7a... Initial Drupal instance added to repo 5 minutes ago
drush Initial Drupal instance added to repo 5 minutes ago
scripts/composer Initial Drupal instance added to repo 5 minutes ago
web Initial Drupal instance added to repo 5 minutes ago
.gitignore Initial Drupal instance added to repo 5 minutes ago
.travis.yml Initial Drupal instance added to repo 5 minutes ago
LICENSE Initial Drupal instance added to repo 5 minutes ago
README.md Initial Drupal instance added to repo 5 minutes ago
composer.json Initial Drupal instance added to repo 5 minutes ago
composer.lock Initial Drupal instance added to repo 5 minutes ago
phpunit.xml.dist Initial Drupal instance added to repo 5 minutes ago


DRUPAL VM
GETTING STARTED
DOCS
SCREENSHOTS
ABOUT
A VM for local Drupal development, built with Vagrant + Ansible
macOS
Windows
Linux
View on GitHub
Download Drupal VM

Chapter 2: Site Configuration






Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Home
Search
Tools
Add content
admin
View
Shortcuts
Edit
Member for 20 hours 1 minute
Content
Content
Comments
Files
Home » Administration
+ Add content
Published status
- Any -
Content type
- Any -
Title
Language
- Any -
Filter
TITLE
CONTENT TYPE
AUTHOR
STATUS
UPDATED
OPERATIONS
No content available.

Structure ☆

Home » Administration

Block layout
Configure what block content appears in your site's sidebars and other regions.

Comment types
Manage form and displays settings of comments.

Contact forms
Create and manage contact forms.

Content types
Create and manage fields, forms, and display settings for your content.

Display modes
Configure what displays are available for your content and forms.

Menus
Manage menus and menu links.

Taxonomy
Manage tagging, categorization, and classification of your content.

Views
Manage customized lists of content.

Appearance ☆

List | Update | Settings

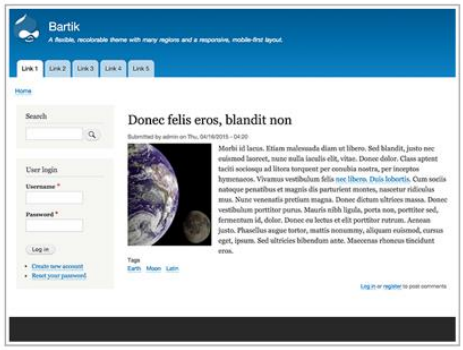
Home » Administration

Set and configure the default theme for your website. Alternative themes are available.

You can place blocks for each theme on the block layout page.

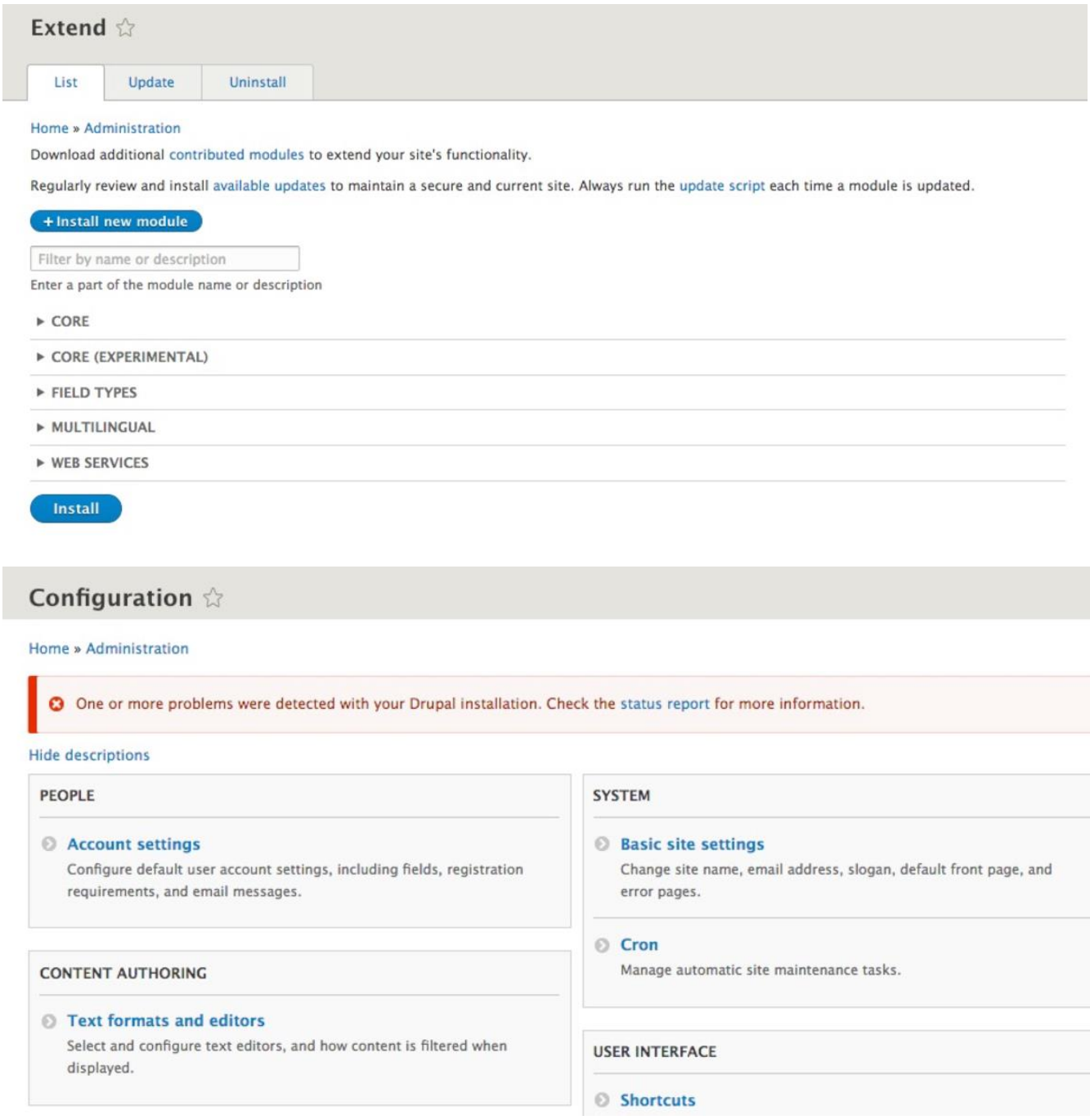
+ Install new theme

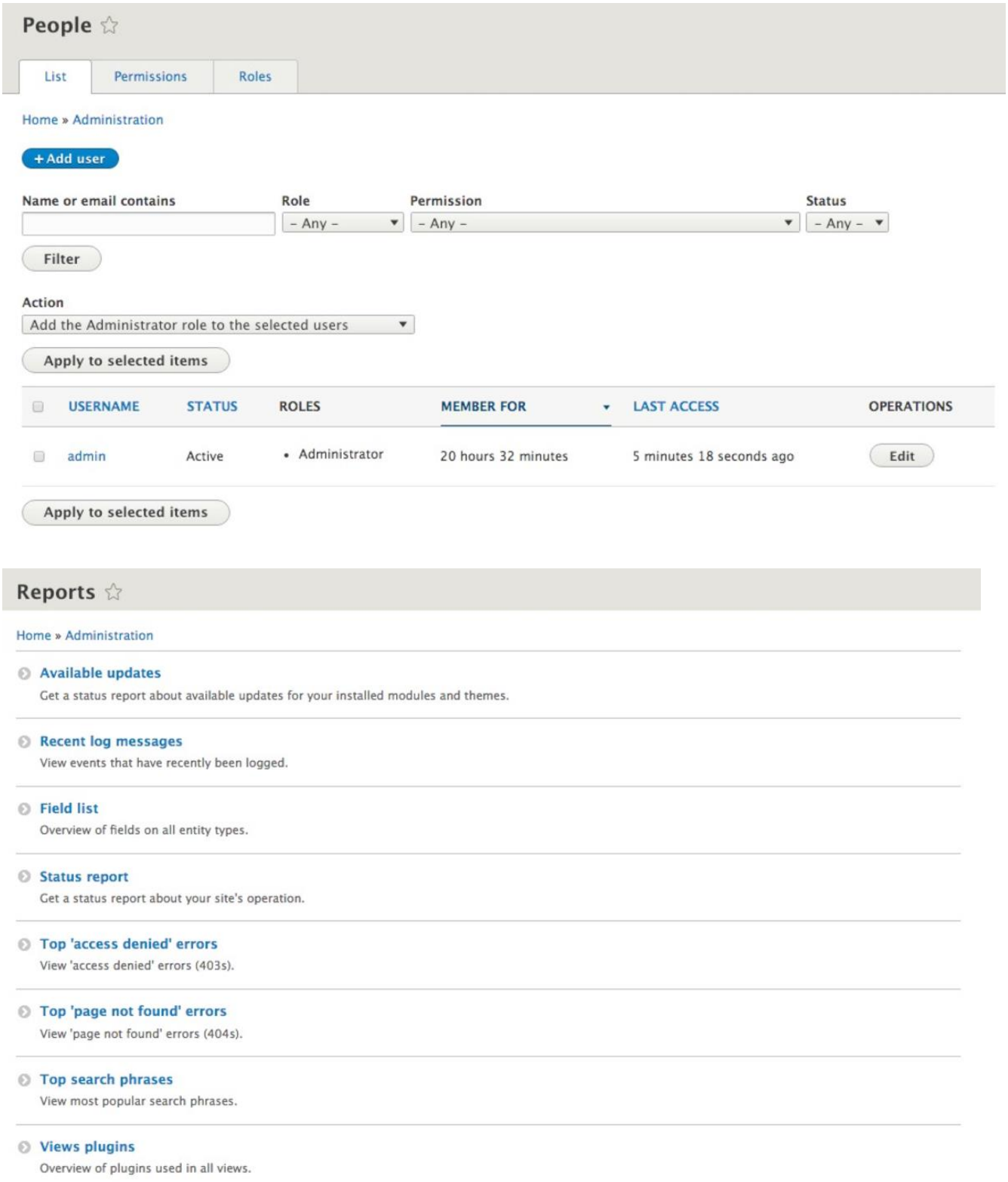
Installed themes



Bartik 8.3.4 (default theme)
A flexible, recolorable theme with many regions and a responsive, mobile-first layout.

Settings


Extend
List
Update
Uninstall
Home » Administration
Download additional contributed modules to extend your site's functionality.
Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated.
+ Install new module
Filter by name or description
Enter a part of the module name or description
▸ CORE
▸ CORE (EXPERIMENTAL)
▸ FIELD TYPES
▸ MULTILINGUAL
▸ WEB SERVICES
Install
Configuration
Home » Administration
One or more problems were detected with your Drupal installation. Check the status report for more information.
Hide descriptions
PEOPLE
Account settings
Configure default user account settings, including fields, registration requirements, and email messages.
CONTENT AUTHORING
Text formats and editors
Select and configure text editors, and how content is filtered when displayed.
SYSTEM
Basic site settings
Change site name, email address, slogan, default front page, and error pages.
Cron
Manage automatic site maintenance tasks.
USER INTERFACE
Shortcuts


People
List
Permissions
Roles
Home » Administration
+ Add user
Name or email contains
Role
Permission
Status
- Any -
- Any -
- Any -
Filter
Action
Add the Administrator role to the selected users
Apply to selected items
USERNAME
STATUS
ROLES
MEMBER FOR
LAST ACCESS
OPERATIONS
admin
Active
Administrator
20 hours 32 minutes
5 minutes 18 seconds ago
Edit
Apply to selected items
Reports
Home » Administration
Available updates
Get a status report about available updates for your installed modules and themes.
Recent log messages
View events that have recently been logged.
Field list
Overview of fields on all entity types.
Status report
Get a status report about your site's operation.
Top 'access denied' errors
View 'access denied' errors (403s).
Top 'page not found' errors
View 'page not found' errors (404s).
Top search phrases
View most popular search phrases.
Views plugins
Overview of plugins used in all views.

Help ☆

Home » Administration

Getting Started

Follow these steps to set up and start using your website:

1. **Configure your website** Once logged in, visit the Administration page, where you may customize and configure all aspects of your website.
2. **Enable additional functionality** Next, visit the Extend page and enable modules that suit your specific needs. You can find additional modules at the Drupal.org modules page.
3. **Customize your website design** To change the "look and feel" of your website, visit the Appearance page. You may choose from one of the included themes or download additional themes from the Drupal.org themes page.
4. **Start posting content** Finally, you may add new content to your website.

For more information, refer to the help listed on this page or to the online documentation and support pages at drupal.org.

Basic site settings ☆

Home » Administration » Configuration » System

▸ SITE DETAILS

▸ FRONT PAGE

▸ ERROR PAGES

Save configuration

▾ SITE DETAILS

Site name *

Mastering Drupal 8

Slogan

How this is used depends on your site's theme.

Email address *

admin@example.com

The *From* address in automated emails sent during registration and new password requests, and other notifications. (Use an address ending in your site's domain to help prevent this email being flagged as spam.)

▾ FRONT PAGE

Default front page

http://127.0.0.1:8888 /node

Optionally, specify a relative URL to display as the front page. Leave blank to display the default front page.

▼ ERROR PAGES

Default 403 (access denied) page

This page is displayed when the requested document is denied to the current user. Leave blank to display a generic "access denied" page.

Default 404 (not found) page

This page is displayed when no other content matches the requested document. Leave blank to display a generic "page not found" page.

Performance ☆

Home » Administration » Configuration » Development

▼ CLEAR CACHE

Clear all caches

▼ CACHING

Note: Drupal provides an internal page cache module that is recommended for small to medium-sized websites.

Page cache maximum age

<no caching> ▼

The maximum time a page can be cached by browsers and proxies. This is used as the value for max-age in Cache-Control headers.

▼ BANDWIDTH OPTIMIZATION

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

☑ Aggregate CSS files

☑ Aggregate JavaScript files

▼ CLEAR CACHE

Clear all caches

```
⇒  drush cr
Cache rebuild complete.
```

```
⇒  drupal cache:rebuild all

 Rebuilding cache(s), wait a moment please.

 [OK] Done clearing cache(s).
```

```php
/**
 * Configuration overrides.
 *
 * To globally override specific configuration values for this site,
 * set them here. You usually don't need to use this feature. This is
 * useful in a configuration file for a vhost or directory, rather than
 * the default settings.php.
 *
 * Note that any values you provide in these variable overrides will not be
 * viewable from the Drupal administration interface. The administration
 * interface displays the values stored in configuration so that you can stage
 * changes to other environments that don't have the overrides.
 *
 * There are particular configuration values that are risky to override. For
 * example, overriding the list of installed modules in 'core.extension' is not
 * supported as module install or uninstall has not occurred. Other examples
 * include field storage configuration, because it has effects on database
 * structure, and 'core.menu.static_menu_link_overrides' since this is cached in
 * a way that is not config override aware. Also, note that changing
 * configuration values in settings.php will not fire any of the configuration
 * change events.
 */
# $config['system.site']['name'] = 'My Drupal site';
# $config['system.theme']['default'] = 'stark';
# $config['user.settings']['anonymous'] = 'Visitor';
```

▼ SITE DETAILS

Site name *

Mastering Drupal 8

```
⇒  drush config-list
automated_cron.settings
block.block.bartik_account_menu
block.block.bartik_branding
block.block.bartik_breadcrumbs
block.block.bartik_content
```

```
⇒ drush config-get system.site
uuid: 6f1abcc3-4e21-45a2-babf-89f7ad960ad6
name: 'Mastering Drupal 8'
mail: admin@example.com
slogan: ''
page:
  403: ''
  404: ''
  front: /node
admin_compact_mode: false
weight_select_max: 100
langcode: en
default_langcode: en
_core:
  default_config_hash: AyT9s8OUcclfALRE_imByOMgtZ19eOlqdF6zI3p7yqo
```

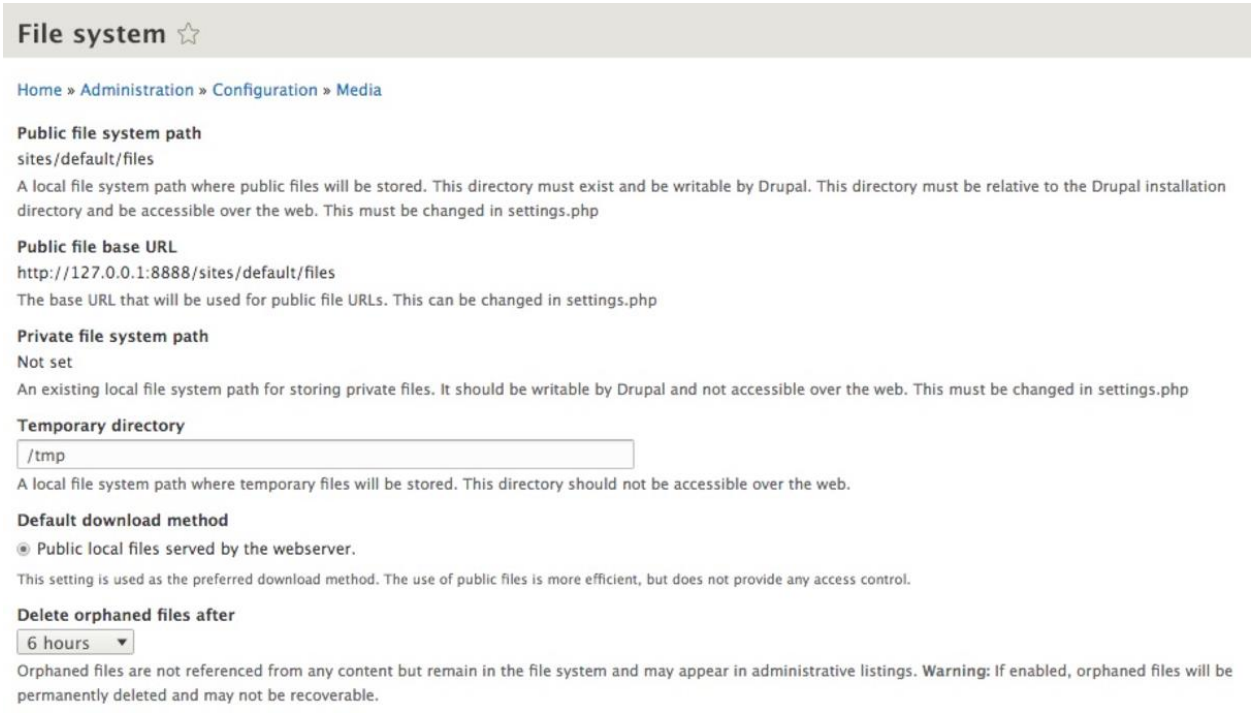
```
⇒ drush config-get system.site --include-overridden

uuid: 6f1abcc3-4e21-45a2-babf-89f7ad960ad6
name: 'My Drupal site'
mail: admin@example.com
slogan: ''
page:
  403: ''
  404: ''
  front: /node
admin_compact_mode: false
weight_select_max: 100
langcode: en
default_langcode: en
_core:
  default_config_hash: AyT9s8OUcclfALRE_imByOMgtZ19eOlqdF6zI3p7yqo
```

```
⇒ drush config-set system.site mail ‘test@example.com’
Do you want to update mail key in system.site config? (y/n): y
```

```
⇒ drupal config:debug

 Configuration name.
 automated_cron.settings
 block.block.bartik_account_menu
 block.block.bartik_branding
 block.block.bartik_breadcrumbs
 block.block.bartik_content
```

```
⇒  drupal config:debug system.site

 system.site
 uuid: 6f1abcc3-4e21-45a2-babf-89f7ad960ad6
 name: 'Mastering Drupal 8'
 mail: ‘test@example.com’
 slogan: ''
 page:
   403: ''
   404: ''
   front: /node
 admin_compact_mode: false
 weight_select_max: 100
 langcode: en
 default_langcode: en
 _core:
   default_config_hash: AyT9s8OUcclfALRE_imByOMgtZ19eOlqdF6zI3p7yqo
```

```
uuid: 6f1abcc3-4e21-45a2-babf-89f7ad960ad6
name: 'Mastering Drupal 8'
mail: ‘test@example.com’
slogan: ''
page:
  403: ''
  404: ''
  front: /node
admin_compact_mode: false
weight_select_max: 100
langcode: en
default_langcode: en
_core:
  default_config_hash: AyT9s8OUcclfALRE_imByOMgtZ19eOlqdF6zI3p7yqo
```



```
/**
 * Public file path:
 *
 * A local file system path where public files will be stored. This directory
 * must exist and be writable by Drupal. This directory must be relative to
 * the Drupal installation directory and be accessible over the web.
 */
# $settings['file_public_path'] = 'sites/default/files';
```

Public file system path
sites/default/files/test
A local file system path where public files will be stored. This directory must exist and be writable by Drupal. This directory must be relative to the Drupal installation directory and be accessible over the web. This must be changed in settings.php

Regional settings ☆

Home » Administration » Configuration » Regional and language

▼ LOCALE

Default country
United States

First day of week
Sunday

▼ TIME ZONES

Default time zone
America/New York

☑ Users may set their own time zone

☐ Remind users at login if their time zone is not set
Only applied if users may set their own time zone.

Time zone for new users
◉ Default time zone
○ Empty time zone
○ Users may set their own time zone at registration
Only applied if users may set their own time zone.

Date and time formats ☆

Home » Administration » Configuration » Regional and language

+ Add format

NAME	PATTERN	OPERATIONS
Default long date	Sunday, July 2, 2017 - 17:14	Edit
Default medium date	Sun, 07/02/2017 - 17:14	Edit
Default short date	07/02/2017 - 17:14	Edit
Fallback date format	Sun, 07/02/2017 - 17:14	
HTML Date	2017-07-02	
HTML Datetime	2017-07-02T17:14:07+0200	
HTML Month	2017-07	
HTML Time	17:14:07	
HTML Week	2017-W26	
HTML Year	2017	
HTML Yearless date	07-02	

Edit date format ☆

Home » Administration » Configuration » Regional and language » Date and time formats

Name

Default long date — Machine name: long

Name of the date format

Format string *

l, F j, Y - H:i A — Displayed as *Sunday, July 2, 2017 - 17:15 PM*

A user-defined date format. See the PHP manual for available options.

Save format

Add date format ☆

Home » Administration » Configuration » Regional and language » Date and time formats

Name

Day Machine name: day [Edit]

Name of the date format

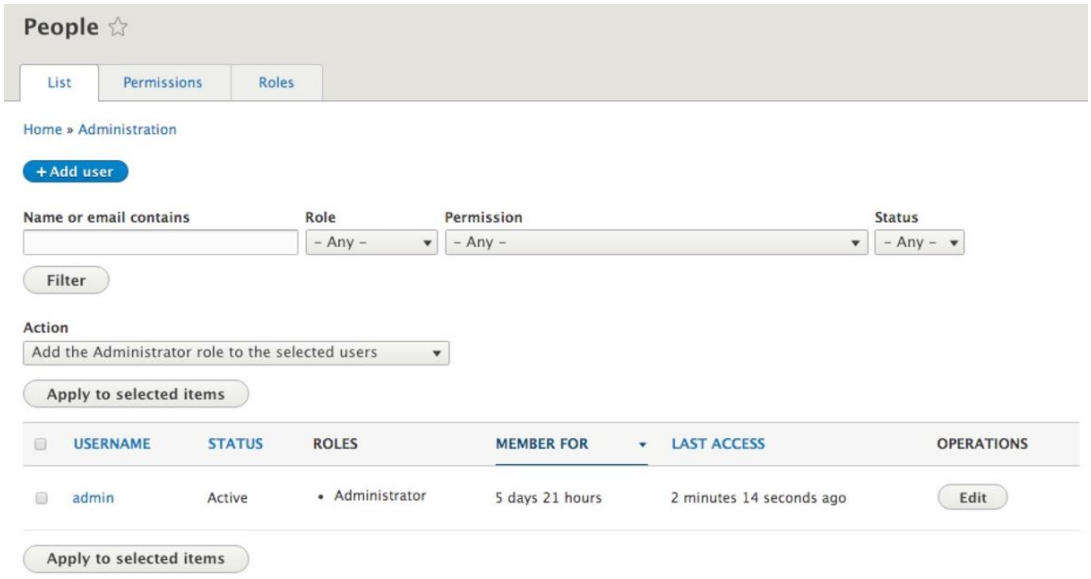
Format string *

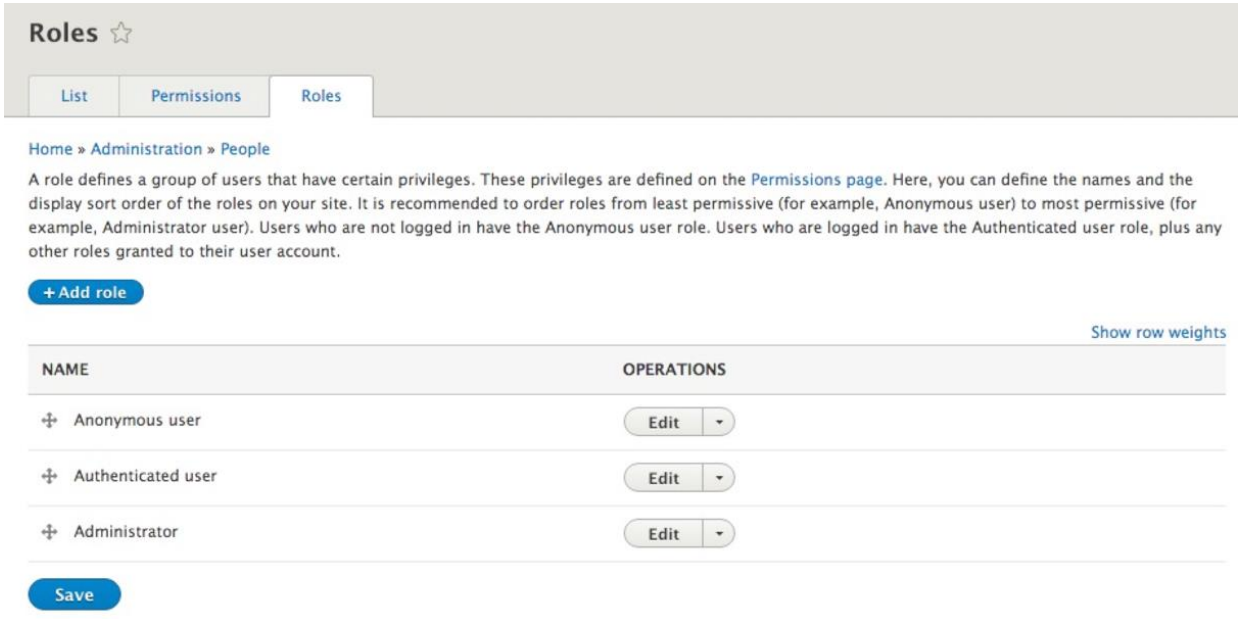
l Displayed as *Wednesday*

A user-defined date format. See the PHP manual for available options.

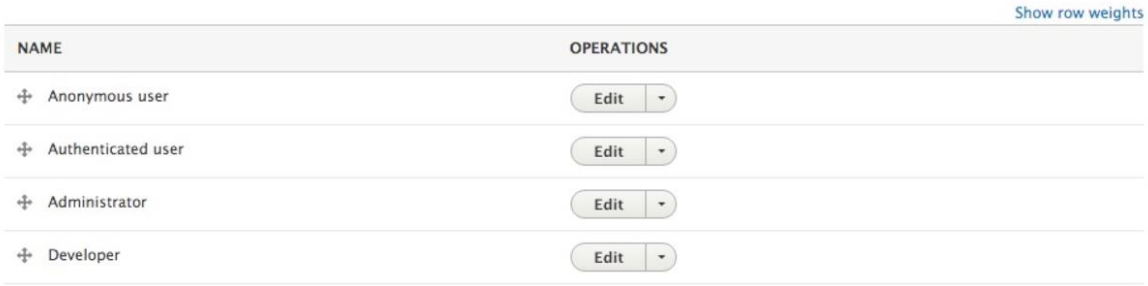
Add format

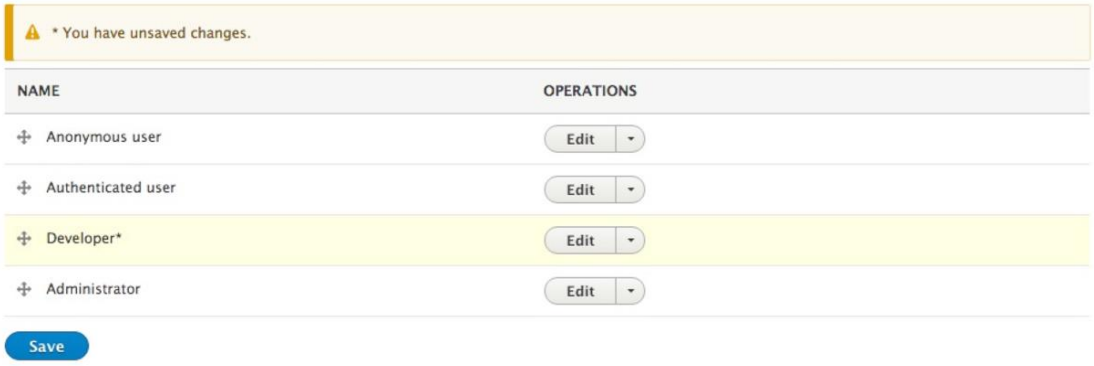
Chapter 3: Managing Users, Roles, and Permissions





Add role
Home » Administration » People » Roles
Role name *
Developer
Machine name: developer [Edit]
The name for this role. Example: "Moderator", "Editorial board", "Site architect".
Save


Show row weights
NAME
OPERATIONS
Anonymous user
Edit
Authenticated user
Edit
Administrator
Edit
Developer
Edit


* You have unsaved changes.
NAME
OPERATIONS
Anonymous user
Edit
Authenticated user
Edit
Developer*
Edit
Administrator
Edit
Save

Edit role
Home » Administration » People » Roles
Role name *
Developer
Machine name: developer
The name for this role. Example: "Moderator", "Editorial board", "Site architect".
Save
Delete

Permissions ☆

List | Permissions | Roles

Home » Administration » People

Permissions let you control what users can do and see on your site. You can define a specific set of permissions for each role. (See the Roles page to create a role.) Any permissions granted to the Authenticated user role will be given to any user who is logged in to your site. From the Account settings page, you can make any role into an Administrator role for the site, meaning that role will be granted all new permissions automatically. You should be careful to ensure that only trusted users are given this access and level of control of your site.

Hide descriptions

PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	DEVELOPER	ADMINISTRATOR
Block				
Administer blocks	☐	☐	☐	☑

PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	DEVELOPER	ADMINISTRATOR
Block				
Administer blocks	☐	☐	☑	☑

Show row weights

NAME	OPERATIONS
✣ Anonymous user	Edit ▾
✣ Authenticated user	Edit ▾
✣ Developer	Edit ▴ / Edit permissions / Delete
✣ Administrator	

Edit role ☆

Home » Administration » People » Permissions

Hide descriptions

PERMISSION	DEVELOPER
Block	
Administer blocks	☑

Add user ☆

Home » Administration » People

This web page allows administrators to register new users. Users' email addresses and usernames must be unique.

Email address

developer@email.com

A valid email address. All emails from the system will be sent to this address. The email address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by email.

Username *

developer

Several special characters are allowed, including space, period (.), hyphen (-), apostrophe ('), underscore (_), and the @ sign.

Password *

••••••••

Password strength: Weak

Confirm password *

••••••••

Passwords match: yes

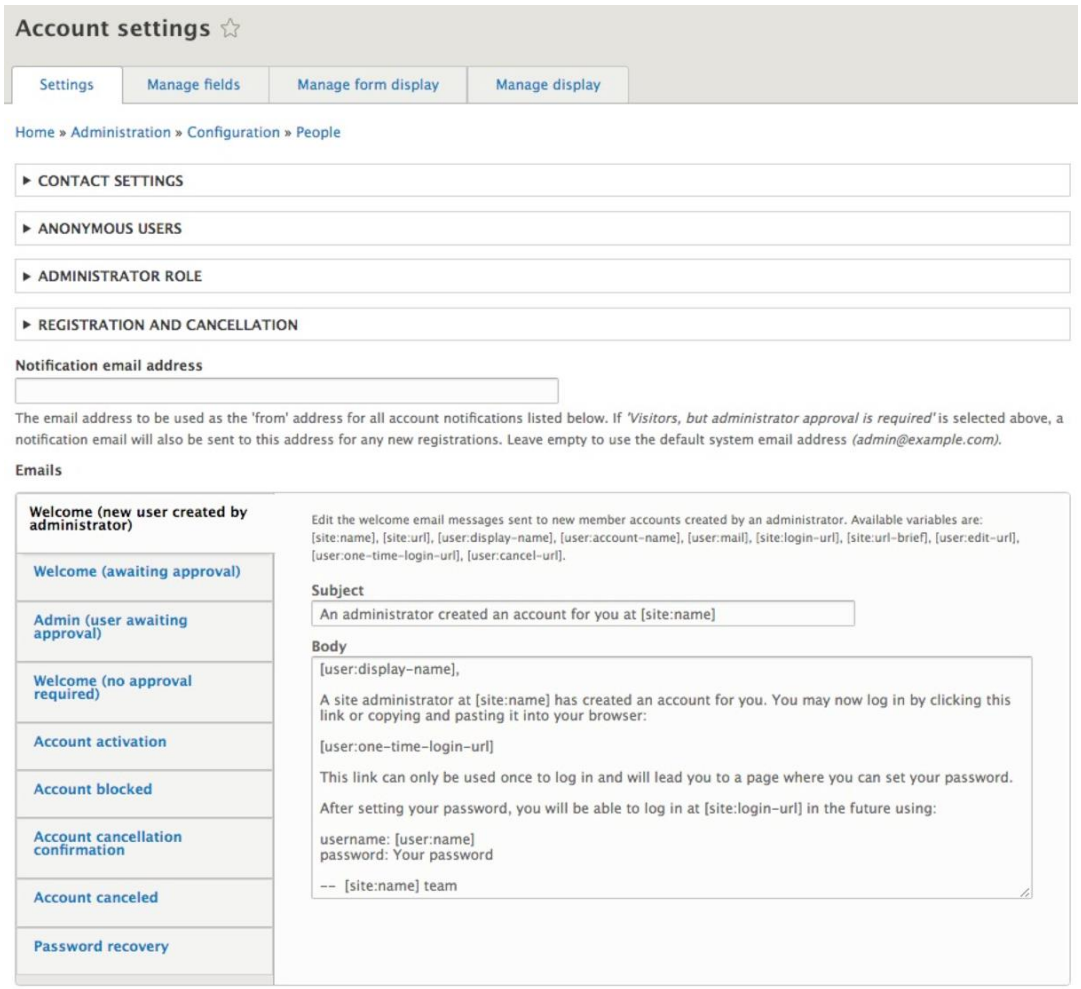
Action

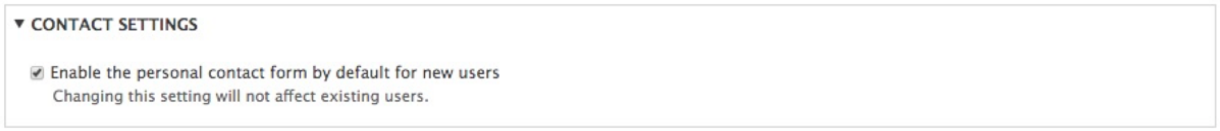
Add the Developer role to the selected users

Apply to selected items

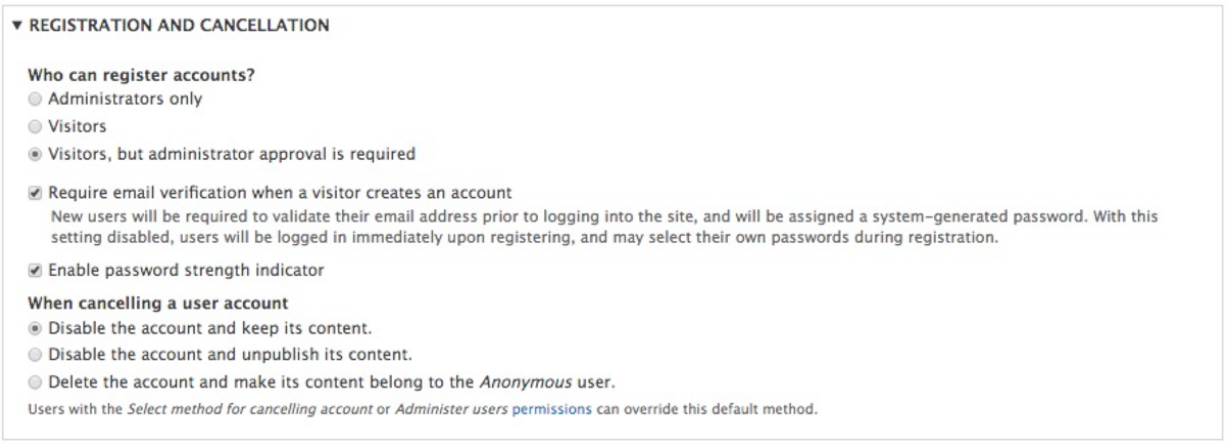
	USERNAME	STATUS	ROLES	MEMBER FOR	LAST ACCESS	OPERATIONS
☑	developer	Active		3 seconds	never	Edit
☐	admin	Active	• Administrator	5 days 21 hours	3 seconds ago	Edit

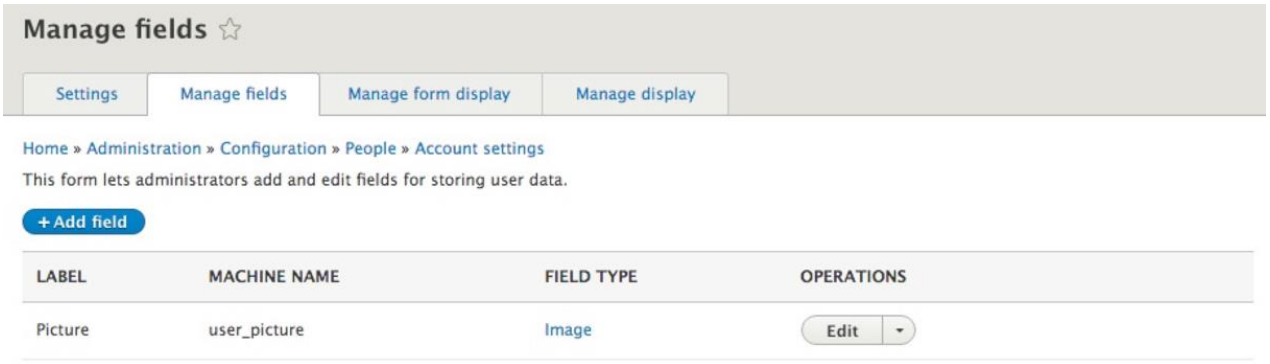
Apply to selected items

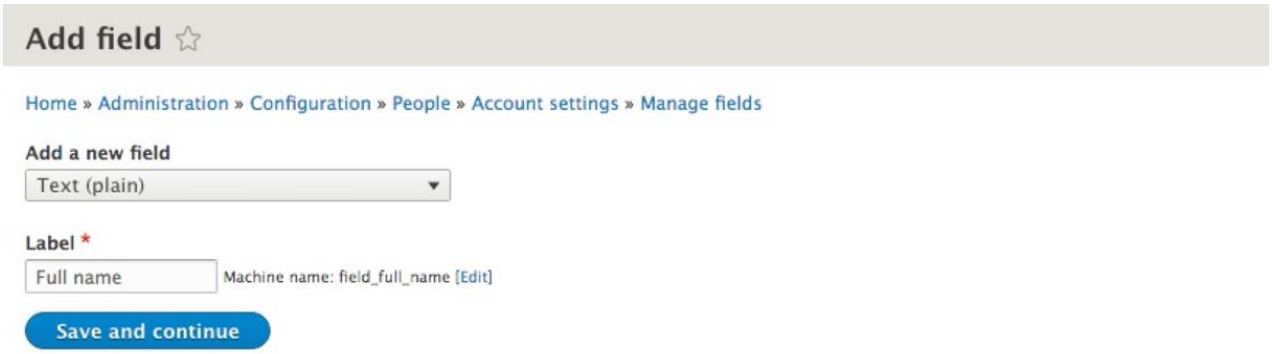

Account settings
Settings
Manage fields
Manage form display
Manage display
Home » Administration » Configuration » People
CONTACT SETTINGS
ANONYMOUS USERS
ADMINISTRATOR ROLE
REGISTRATION AND CANCELLATION
Notification email address
The email address to be used as the 'from' address for all account notifications listed below. If 'Visitors, but administrator approval is required' is selected above, a notification email will also be sent to this address for any new registrations. Leave empty to use the default system email address (admin@example.com).
Emails
Welcome (new user created by administrator)
Welcome (awaiting approval)
Admin (user awaiting approval)
Welcome (no approval required)
Account activation
Account blocked
Account cancellation confirmation
Account canceled
Password recovery
Edit the welcome email messages sent to new member accounts created by an administrator. Available variables are: [site:name], [site:url], [user:display-name], [user:account-name], [user:mail], [site:login-url], [site:url-brief], [user:edit-url], [user:one-time-login-url], [user:cancel-url].
Subject
An administrator created an account for you at [site:name]
Body
[user:display-name],
A site administrator at [site:name] has created an account for you. You may now log in by clicking this link or copying and pasting it into your browser:
[user:one-time-login-url]
This link can only be used once to log in and will lead you to a page where you can set your password.
After setting your password, you will be able to log in at [site:login-url] in the future using:
username: [user:name]
password: Your password
-- [site:name] team

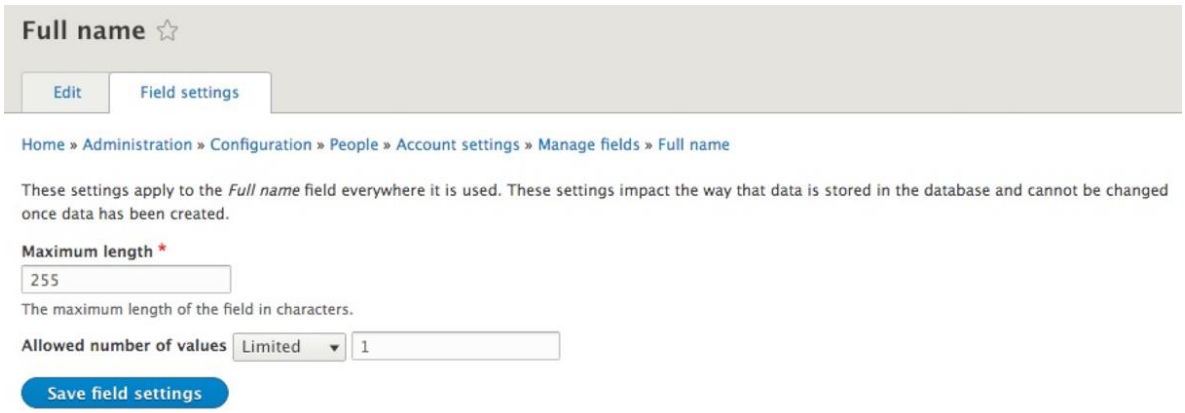

CONTACT SETTINGS
Enable the personal contact form by default for new users
Changing this setting will not affect existing users.

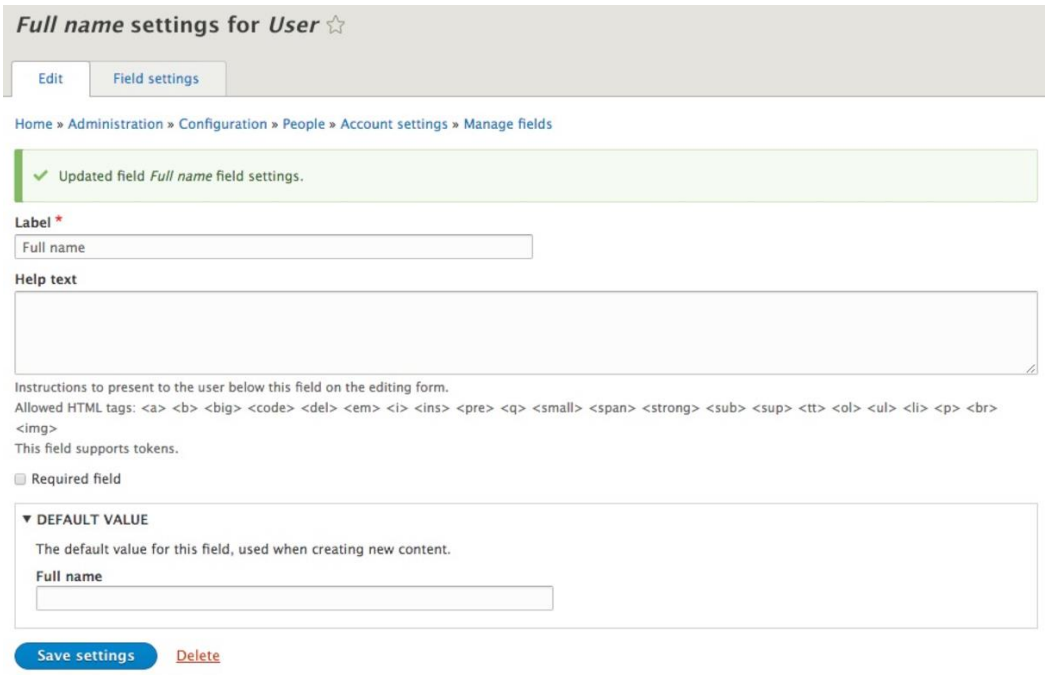
ADMINISTRATOR ROLE
Administrator role
Administrator
This role will be automatically assigned new permissions whenever a module is enabled. Changing this setting will not affect existing permissions.


▼ REGISTRATION AND CANCELLATION
Who can register accounts?
Administrators only
Visitors
Visitors, but administrator approval is required
Require email verification when a visitor creates an account
New users will be required to validate their email address prior to logging into the site, and will be assigned a system-generated password. With this setting disabled, users will be logged in immediately upon registering, and may select their own passwords during registration.
Enable password strength indicator
When cancelling a user account
Disable the account and keep its content.
Disable the account and unpublish its content.
Delete the account and make its content belong to the Anonymous user.
Users with the Select method for cancelling account or Administer users permissions can override this default method.

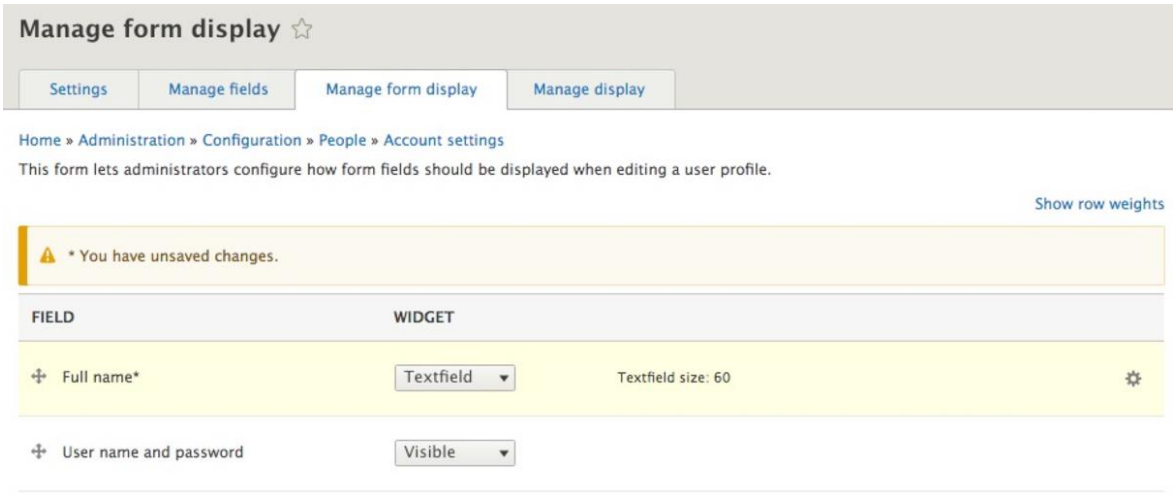

Manage fields
Settings
Manage fields
Manage form display
Manage display
Home » Administration » Configuration » People » Account settings
This form lets administrators add and edit fields for storing user data.
+ Add field
LABEL
MACHINE NAME
FIELD TYPE
OPERATIONS
Picture
user_picture
Image
Edit

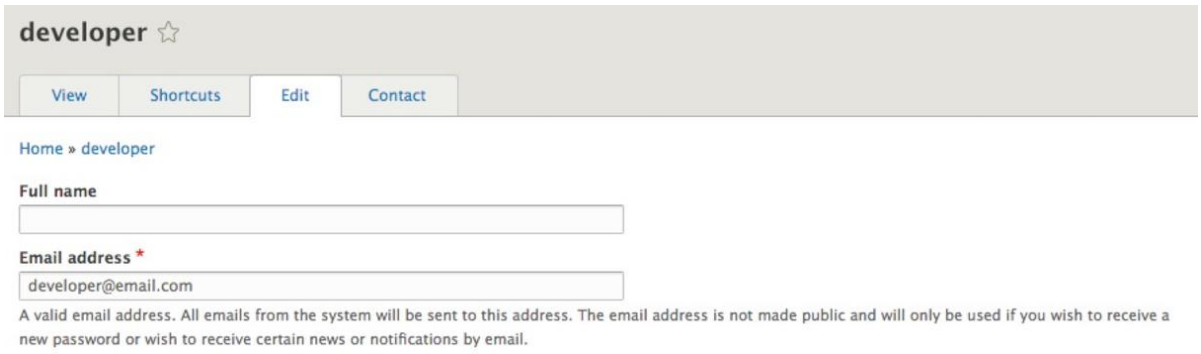

Add field
Home » Administration » Configuration » People » Account settings » Manage fields
Add a new field
Text (plain)
Label *
Full name
Machine name: field_full_name [Edit]
Save and continue


Full name
Edit
Field settings
Home » Administration » Configuration » People » Account settings » Manage fields » Full name
These settings apply to the Full name field everywhere it is used. These settings impact the way that data is stored in the database and cannot be changed once data has been created.
Maximum length *
255
The maximum length of the field in characters.
Allowed number of values
Limited
1
Save field settings


Full name settings for User
Edit
Field settings
Home » Administration » Configuration » People » Account settings » Manage fields
Updated field Full name field settings.
Label *
Full name
Help text
Instructions to present to the user below this field on the editing form.
Allowed HTML tags: <a> <b> <big> <code> <del> <i> <ins> <pre> <q> <small>   <sub> <sup> <tt>   <p>
 <img>
This field supports tokens.
Required field
DEFAULT VALUE
The default value for this field, used when creating new content.
Full name
Save settings
Delete

+ Add field
LABEL
MACHINE NAME
FIELD TYPE
OPERATIONS
Full name
field_full_name
Text (plain)
Edit
Picture
user_picture
Image
Edit






```
Role commands: (role)
 role-add-perm (rap)   Grant specified permission(s) to a role.
 role-create (rcrt)    Create a new role.
 role-delete (rdel)    Delete a role.
 role-list (rls)       Display a list of all roles defined on the system.  If a role name is
                       provided as an argument, then all of the permissions of that role will be
                       listed.  If a permission name is provided as an option, then all of the roles
                       that have been granted that permission will be listed.
 role-remove-perm      Remove specified permission(s) from a role.
 (rmp)
```

```
⇒  drush role-list
 ID             Role Label
 anonymous      Anonymous user
 authenticated  Authenticated user
 developer      Developer
 administrator  Administrator
```

```
⇒  drush role-create editor

Created "editor"                                                    [success]
```

```
⇒  drush role-list
 ID             Role Label
 anonymous      Anonymous user
 authenticated  Authenticated user
 developer      Developer
 administrator  Administrator
 editor         Editor
```

```
⇒  drush role-delete editor

Deleted "editor"                                                    [success]
```

```
⇒  drush role-list
 ID             Role Label
 anonymous      Anonymous user
 authenticated  Authenticated user
 developer      Developer
 administrator  Administrator
```

```
⇒  drush role-list developer

 Permission
 administer blocks
```

```
⇒  drush role-add-perm developer 'administer comment types'

Added "administer comment types" to "Developer"                     [success]
Cache rebuild complete.                                             [ok]
```

```
⇒  drush role-list developer

 Permission
 administer blocks
 administer comment types
```

```
⇒  drush role-remove-perm developer 'administer comment types'

Removed "administer comment types" from "Developer"                 [ok]
Cache rebuild complete.                                             [ok]
```

```
User commands: (user)
 user-add-role (urol)  Add a role to the specified user accounts.
 user-block (ublk)     Block the specified user(s).
 user-cancel (ucan)    Cancel a user account with the specified name.
 user-create (ucrt)    Create a user account with the specified name.
 user-information      Print information about the specified user(s).
 (uinf)
 user-login (uli)      Display a one time login link for the given user account (defaults to uid 1).
 user-password (upwd)  (Re)Set the password for the user account with the specified name.
 user-remove-role      Remove a role from the specified user accounts.
 (urrol)
 user-unblock (uublk)  Unblock the specified user(s).
```

```
⇒  drush user-information 2

 User ID       :  2
 User name     :  developer
 User mail     :  developer@example.com
 User roles    :  authenticated
                  developer
 User status   :  1
```

```
⇒  drush user-add-role 'administrator' 2
Added role administrator role to developer                                    [success]
```

```
⇒  drush user-information 2

 User ID       :  2
 User name     :  developer
 User mail     :  developer@example.com
 User roles    :  authenticated
                  developer
                  administrator
 User status   :  1
```

```
⇒  drush user-remove-role 'administrator' 2
Removed administrator role from developer                                     [success]
```

```
⇒  drush user-information 2

 User ID       :  2
 User name     :  developer
 User mail     :  developer@example.com
 User roles    :  authenticated
                  developer
 User status   :  1
```

```
⇒  drush user-block 2
Blocked user(s): developer                                                [success]
```

```
⇒  drush user-unblock 2
Unblocked user(s): developer                                              [success]
```

```
⇒  drush user-create editor --mail='editor@email.com' --password='letmein'

 User ID       :  3
 User name     :  editor
 User mail     :  editor@email.com
 User roles    :  authenticated
 User status   :  1
```

```
⇒  drush user-cancel editor

Cancel user account?:  (y/n): y
Cancelled user(s): editor                                                 [success]
The update has been performed.                                            [status]
editor has been deleted.                                                  [status]
```

```
⇒  drush user-password developer --password='new-password'

Changed password for developer                                            [success]
```

```
⇒  drush user-login --uri='http://127.0.0.1:8088'

http://127.0.0.1:8088/user/reset/1/1488730930/4sM6LkLojZeREIdUqJWhvn4sTJV3yZS8KfOXZxKUmzQ/login
```

admin ☆

View | Shortcuts | Edit

Home » admin

✔ You have just used your one-time login link. It is no longer necessary to use this link to log in. Please change your password.

Full name

Email address *

admin@example.com

A valid email address. All emails from the system will be sent to this address. The email address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by email.

Username *

admin

Several special characters are allowed, including space, period (.), hyphen (-), apostrophe ('), underscore (_), and the @ sign.

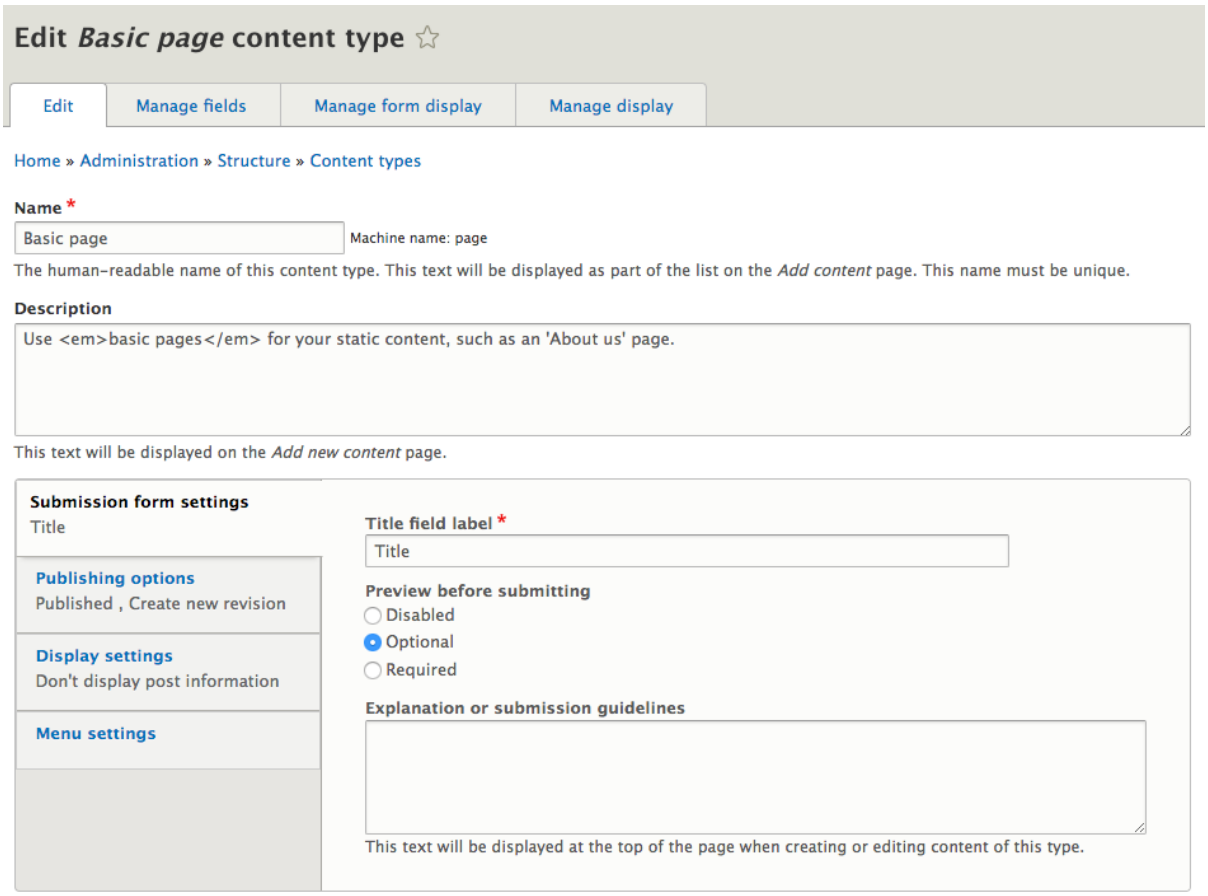
Password

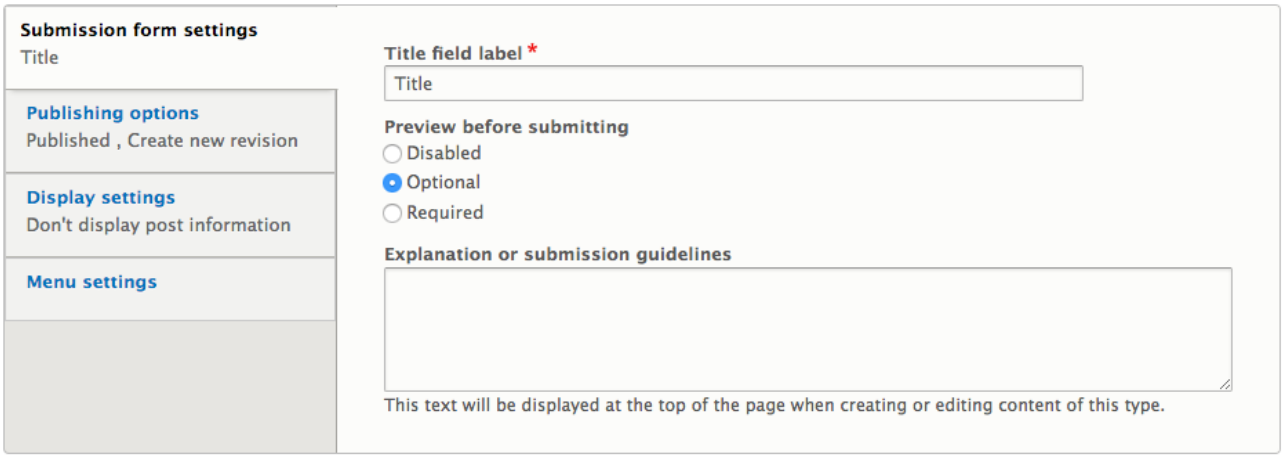
Password strength:

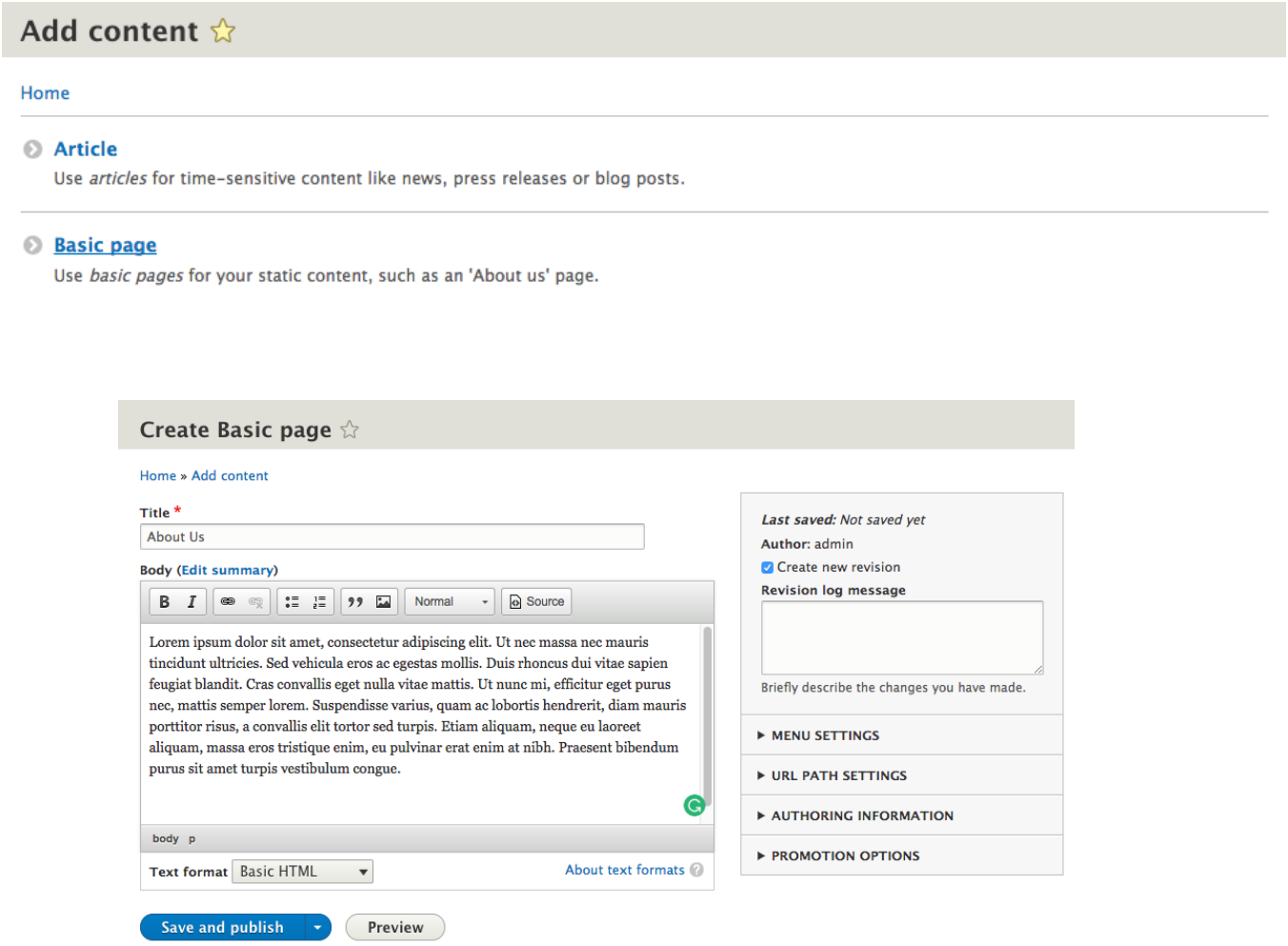
Confirm password

Passwords match:

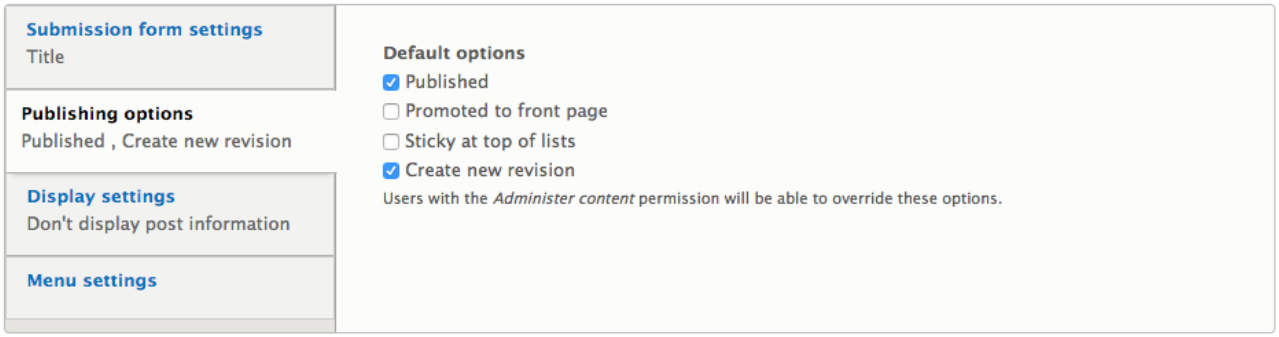
Chapter 4: Content Types, Taxonomy, and Comment Types

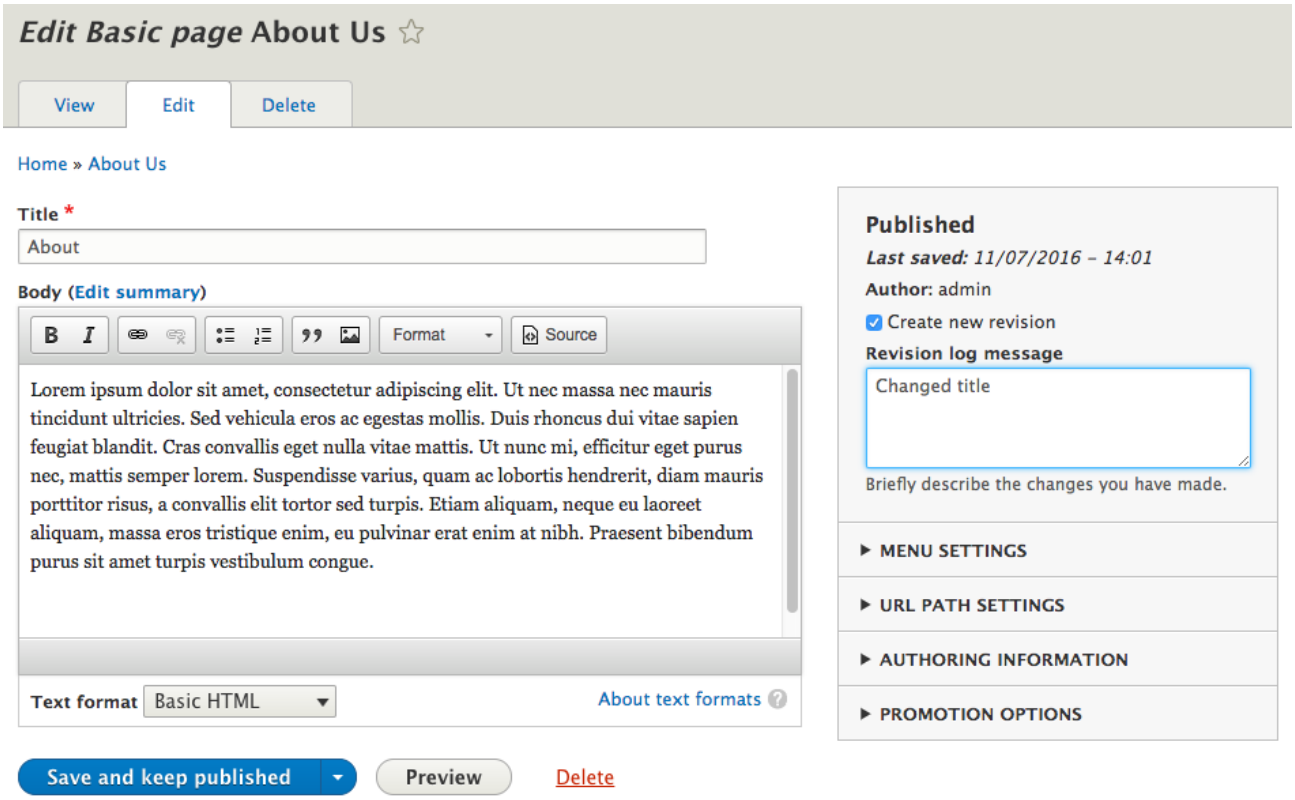


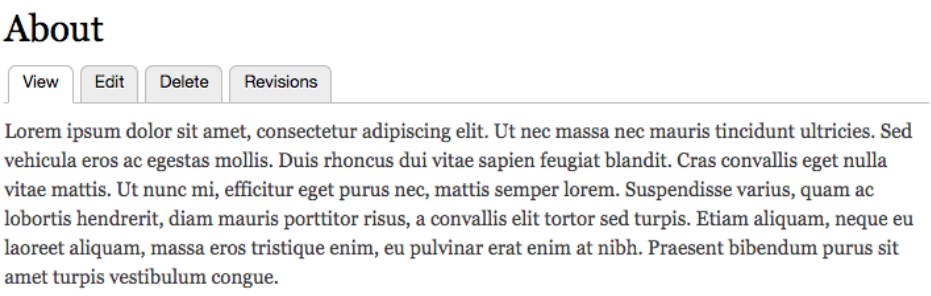

Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Don't display post information
Menu settings
Title field label *
Title
Preview before submitting
Disabled
Optional
Required
Explanation or submission guidelines
This text will be displayed at the top of the page when creating or editing content of this type.

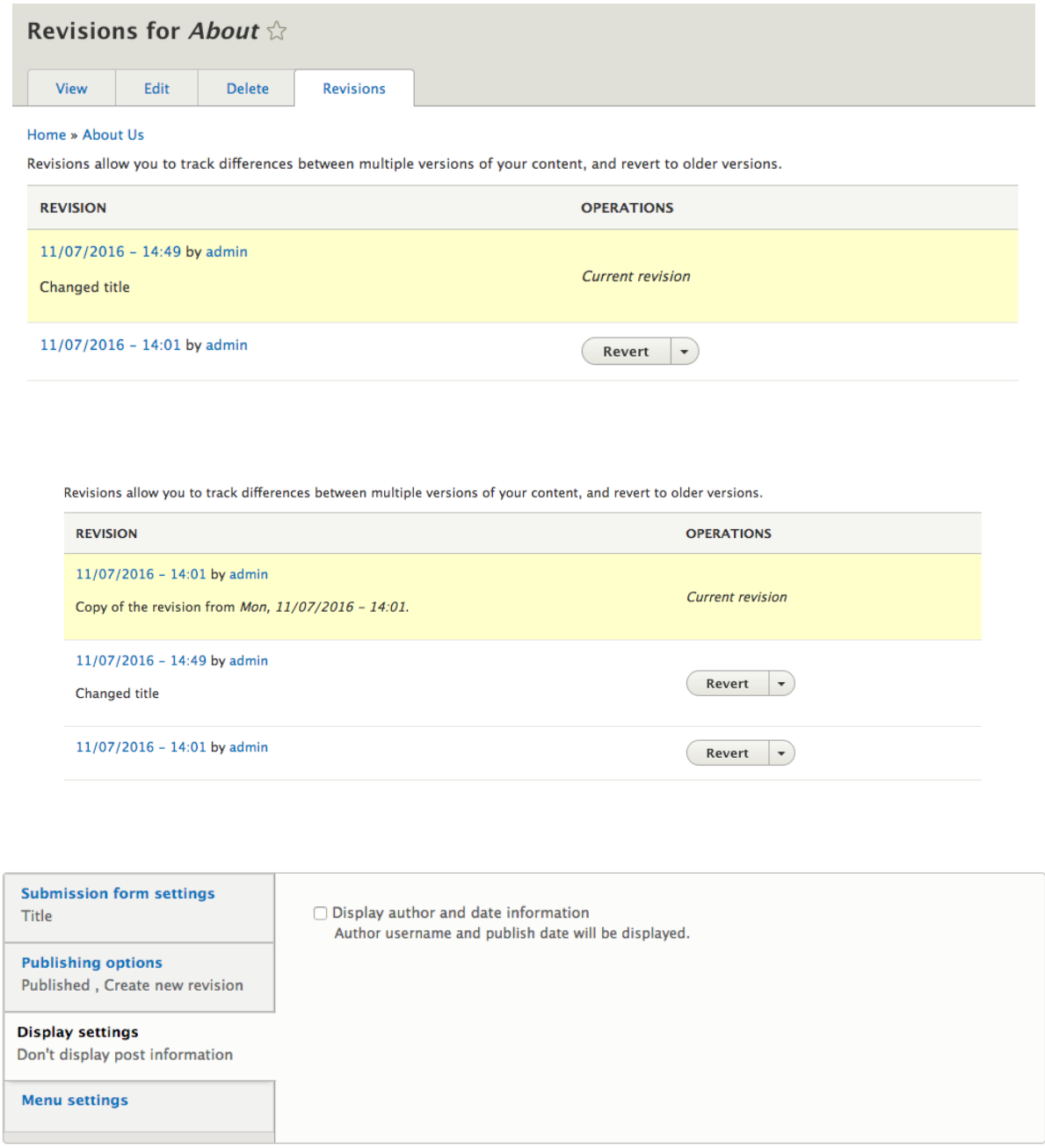

Add content
Home
Article
Use articles for time-sensitive content like news, press releases or blog posts.
Basic page
Use basic pages for your static content, such as an 'About us' page.
Create Basic page
Home » Add content
Title *
About Us
Body (Edit summary)
Normal
Source
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut nec massa nec mauris tincidunt ultricies. Sed vehicula eros ac egestas mollis. Duis rhoncus dui vitae sapien feugiat blandit. Cras convallis eget nulla vitae mattis. Ut nunc mi, efficitur eget purus nec, mattis semper lorem. Suspendisse varius, quam ac lobortis hendrerit, diam mauris porttitor risus, a convallis elit tortor sed turpis. Etiam aliquam, neque eu laoreet aliquam, massa eros tristique enim, eu pulvinar erat enim at nibh. Praesent bibendum purus sit amet turpis vestibulum congue.
body p
Text format Basic HTML
About text formats
Last saved: Not saved yet
Author: admin
Create new revision
Revision log message
Briefly describe the changes you have made.
MENU SETTINGS
URL PATH SETTINGS
AUTHORING INFORMATION
PROMOTION OPTIONS
Save and publish
Preview

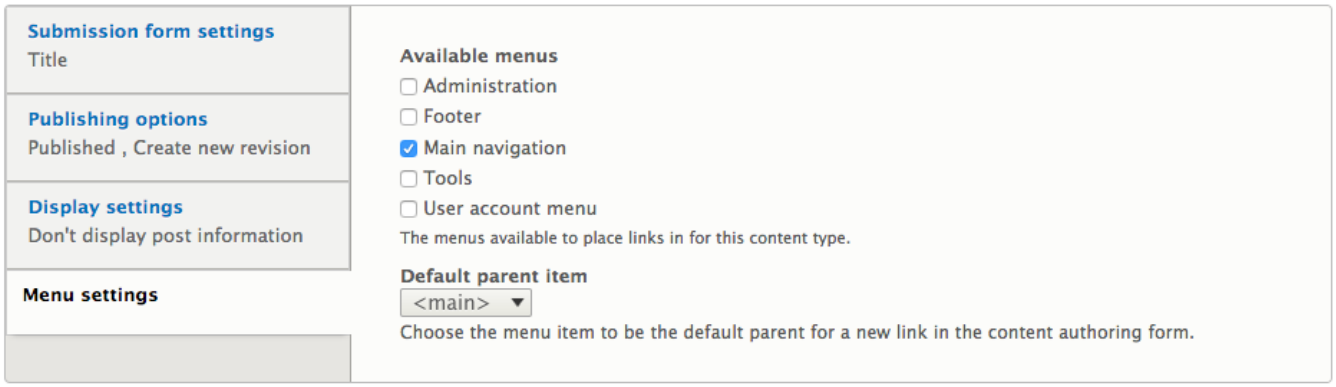
Back to content editing
View mode: Default
Mastering Drupal 8
Home
Home
Search
Tools
Add content
About Us
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut nec massa nec mauris tincidunt ultricies. Sed vehicula eros ac egestas mollis. Duis rhoncus dui vitae sapien feugiat blandit. Cras convallis eget nulla vitae mattis. Ut nunc mi, efficitur eget purus nec, mattis semper lorem. Suspendisse varius, quam ac lobortis hendrerit, diam mauris porttitor risus, a convallis elit tortor sed turpis. Etiam aliquam, neque eu laoreet aliquam, massa eros tristique enim, eu pulvinar erat enim at nibh. Praesent bibendum purus sit amet turpis vestibulum congue.

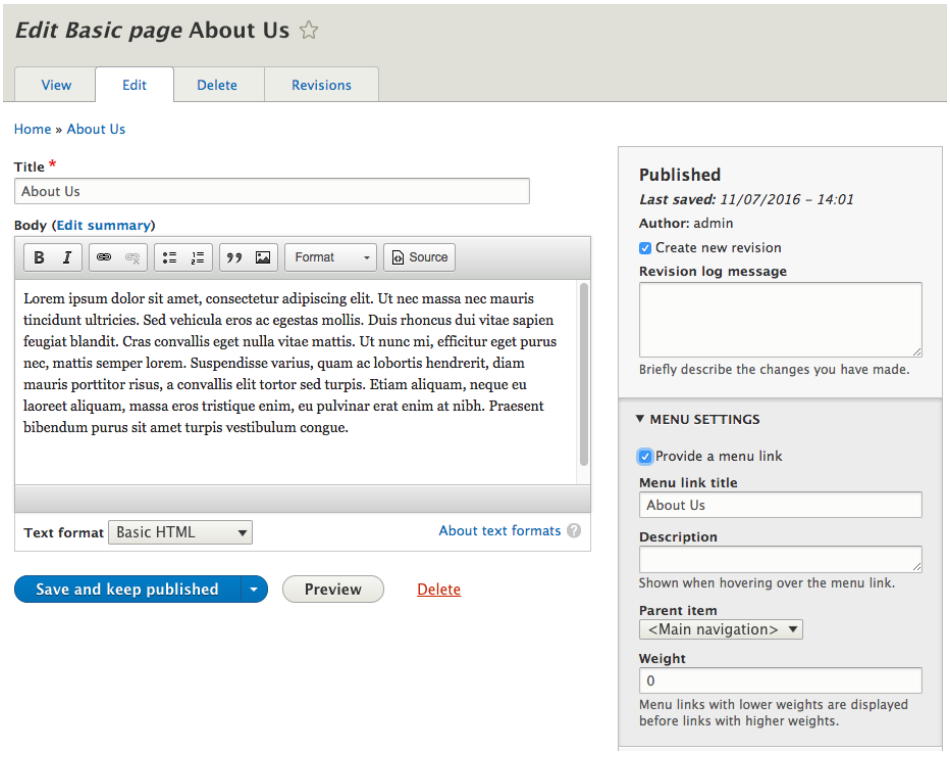

Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Don't display post information
Menu settings
Default options
Published
Promoted to front page
Sticky at top of lists
Create new revision
Users with the Administer content permission will be able to override these options.


Edit Basic page About Us
View
Edit
Delete
Home » About Us
Title *
About
Body (Edit summary)
Format
Source
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut nec massa nec mauris tincidunt ultricies. Sed vehicula eros ac egestas mollis. Duis rhoncus dui vitae sapien feugiat blandit. Cras convallis eget nulla vitae mattis. Ut nunc mi, efficitur eget purus nec, mattis semper lorem. Suspendisse varius, quam ac lobortis hendrerit, diam mauris porttitor risus, a convallis elit tortor sed turpis. Etiam aliquam, neque eu laoreet aliquam, massa eros tristique enim, eu pulvinar erat enim at nibh. Praesent bibendum purus sit amet turpis vestibulum congue.
Text format
Basic HTML
About text formats
Published
Last saved: 11/07/2016 - 14:01
Author: admin
Create new revision
Revision log message
Changed title
Briefly describe the changes you have made.
MENU SETTINGS
URL PATH SETTINGS
AUTHORING INFORMATION
PROMOTION OPTIONS
Save and keep published
Preview
Delete

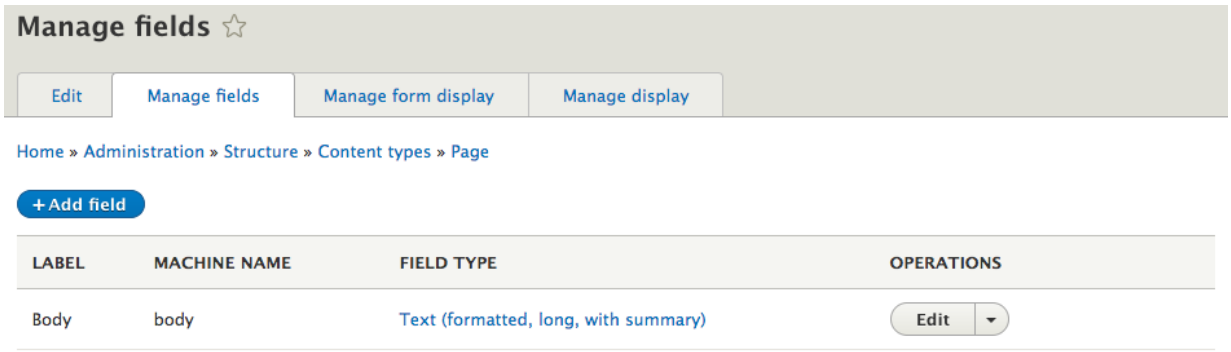

About
View
Edit
Delete
Revisions
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut nec massa nec mauris tincidunt ultricies. Sed vehicula eros ac egestas mollis. Duis rhoncus dui vitae sapien feugiat blandit. Cras convallis eget nulla vitae mattis. Ut nunc mi, efficitur eget purus nec, mattis semper lorem. Suspendisse varius, quam ac lobortis hendrerit, diam mauris porttitor risus, a convallis elit tortor sed turpis. Etiam aliquam, neque eu laoreet aliquam, massa eros tristique enim, eu pulvinar erat enim at nibh. Praesent bibendum purus sit amet turpis vestibulum congue.

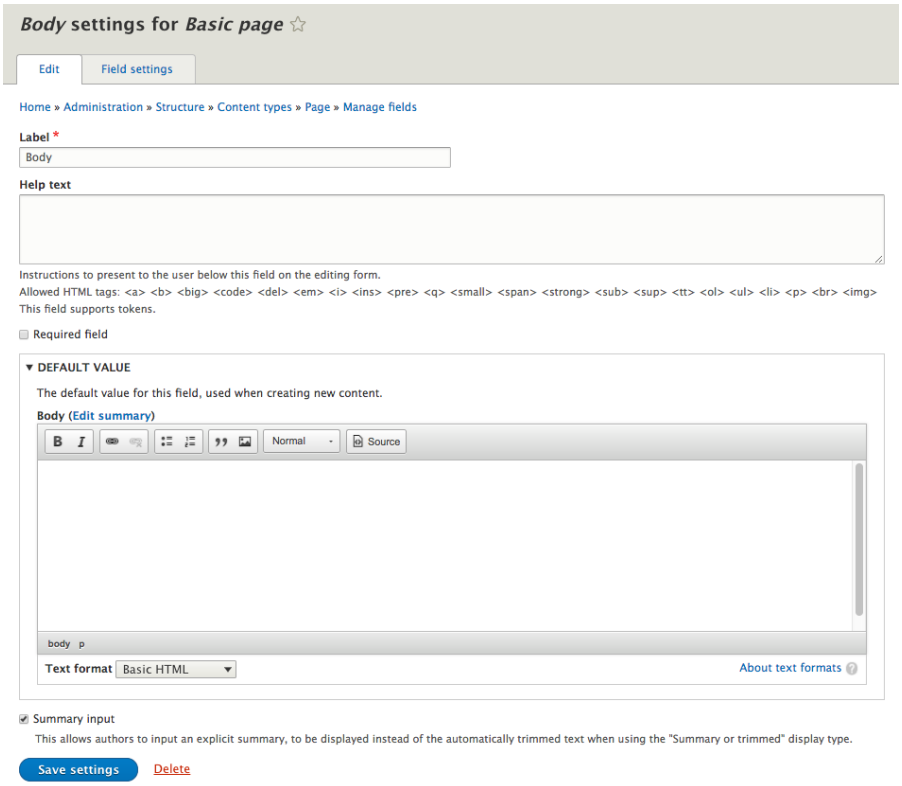

Revisions for About
View
Edit
Delete
Revisions
Home » About Us
Revisions allow you to track differences between multiple versions of your content, and revert to older versions.
REVISION
OPERATIONS
11/07/2016 - 14:49 by admin
Changed title
Current revision
11/07/2016 - 14:01 by admin
Revert
Revisions allow you to track differences between multiple versions of your content, and revert to older versions.
REVISION
OPERATIONS
11/07/2016 - 14:01 by admin
Copy of the revision from Mon, 11/07/2016 - 14:01.
Current revision
11/07/2016 - 14:49 by admin
Changed title
Revert
11/07/2016 - 14:01 by admin
Revert
Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Don't display post information
Menu settings
Display author and date information
Author username and publish date will be displayed.

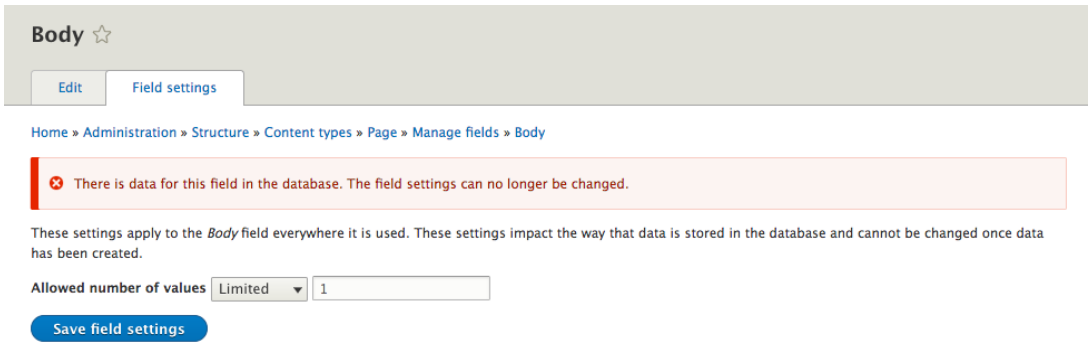

Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Don't display post information
Menu settings
Available menus
Administration
Footer
Main navigation
Tools
User account menu
The menus available to place links in for this content type.
Default parent item
<main>
Choose the menu item to be the default parent for a new link in the content authoring form.

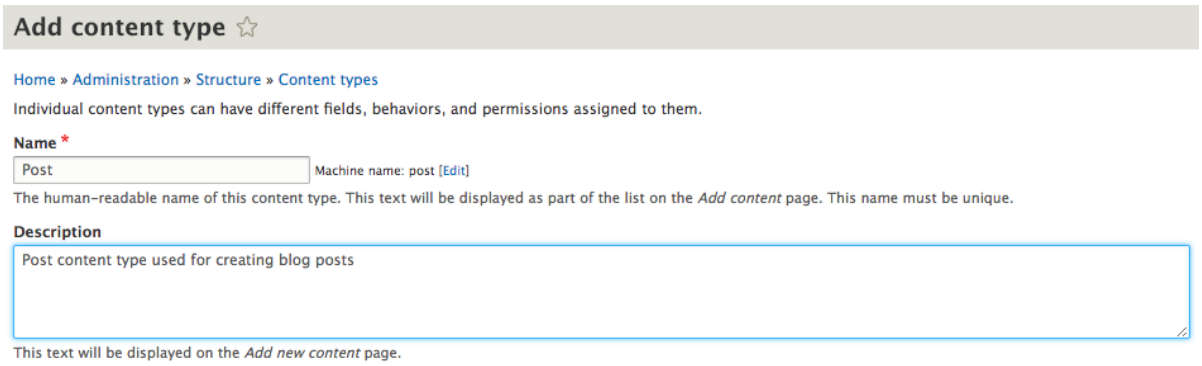

Edit Basic page About Us
View
Edit
Delete
Revisions
Home » About Us
Title *
About Us
Body (Edit summary)
Format
Source
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut nec massa nec mauris tincidunt ultricies. Sed vehicula eros ac egestas mollis. Duis rhoncus dui vitae sapien feugiat blandit. Cras convallis eget nulla vitae mattis. Ut nunc mi, efficitur eget purus nec, mattis semper lorem. Suspendisse varius, quam ac lobortis hendrerit, diam mauris porttitor risus, a convallis elit tortor sed turpis. Etiam aliquam, neque eu laoreet aliquam, massa eros tristique enim, eu pulvinar erat enim at nibh. Praesent bibendum purus sit amet turpis vestibulum congue.
Text format Basic HTML
About text formats
Save and keep published
Preview
Delete
Published
Last saved: 11/07/2016 - 14:01
Author: admin
Create new revision
Revision log message
Briefly describe the changes you have made.
MENU SETTINGS
Provide a menu link
Menu link title
About Us
Description
Shown when hovering over the menu link.
Parent item
<Main navigation>
Weight
0
Menu links with lower weights are displayed before links with higher weights.

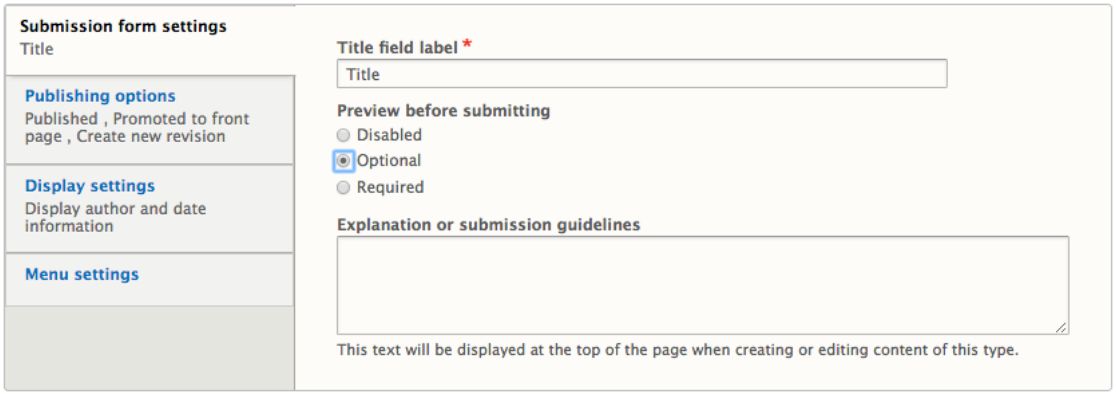
Mastering Drupal 8
About Us
Home

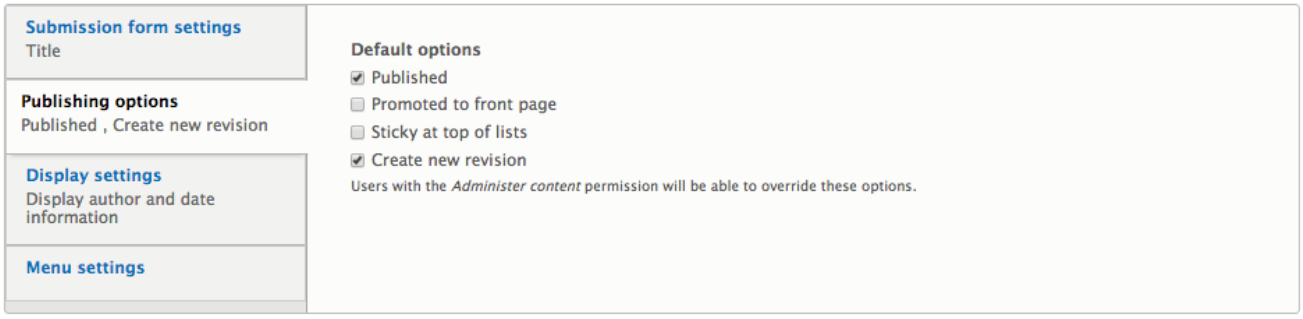

Manage fields
Edit
Manage fields
Manage form display
Manage display
Home » Administration » Structure » Content types » Page
+ Add field
LABEL
MACHINE NAME
FIELD TYPE
OPERATIONS
Body
body
Text (formatted, long, with summary)
Edit

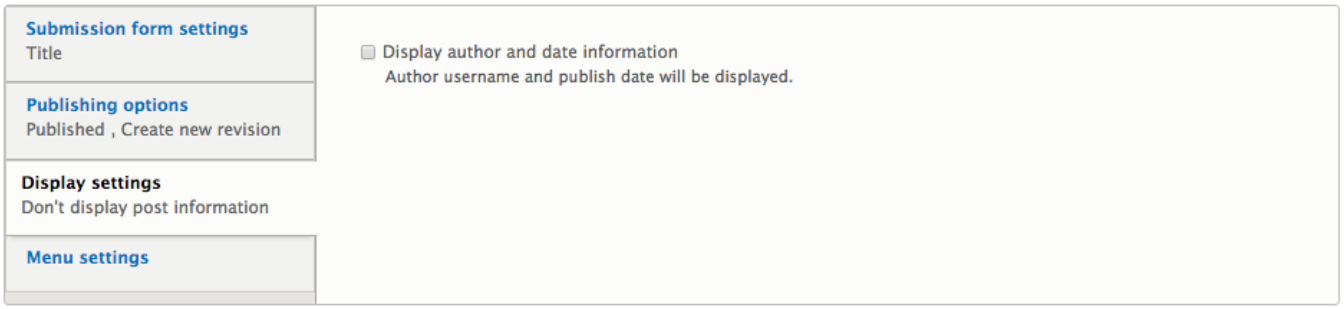

Body settings for Basic page
Edit
Field settings
Home » Administration » Structure » Content types » Page » Manage fields
Label *
Body
Help text
Instructions to present to the user below this field on the editing form.
Allowed HTML tags: <a> <b> <big> <code> <del> <i> <ins> <pre> <q> <small>   <sub> <sup> <tt>   <p>
 <img>
This field supports tokens.
Required field
DEFAULT VALUE
The default value for this field, used when creating new content.
Body (Edit summary)
Normal
Source
body p
Text format Basic HTML
About text formats
Summary input
This allows authors to input an explicit summary, to be displayed instead of the automatically trimmed text when using the "Summary or trimmed" display type.
Save settings
Delete

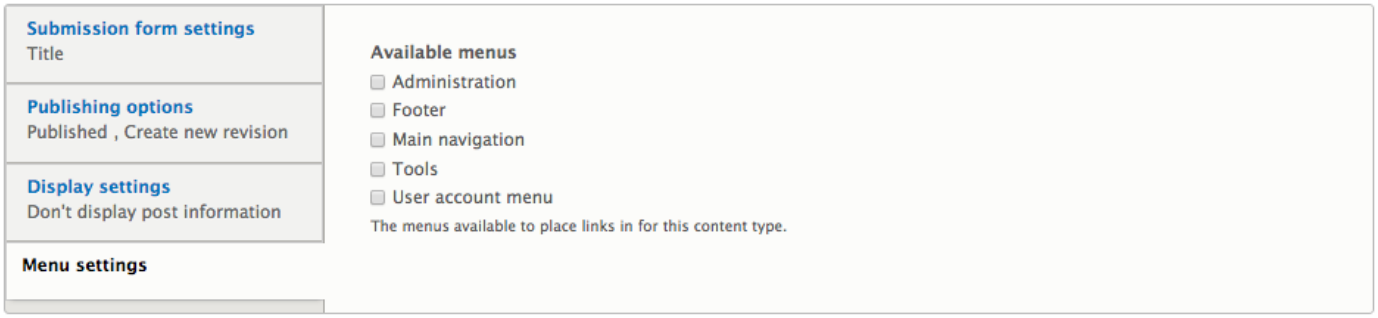

Body
Edit
Field settings
Home » Administration » Structure » Content types » Page » Manage fields » Body
There is data for this field in the database. The field settings can no longer be changed.
These settings apply to the Body field everywhere it is used. These settings impact the way that data is stored in the database and cannot be changed once data has been created.
Allowed number of values
Limited
1
Save field settings


Add content type
Home » Administration » Structure » Content types
Individual content types can have different fields, behaviors, and permissions assigned to them.
Name *
Post
Machine name: post [Edit]
The human-readable name of this content type. This text will be displayed as part of the list on the Add content page. This name must be unique.
Description
Post content type used for creating blog posts
This text will be displayed on the Add new content page.

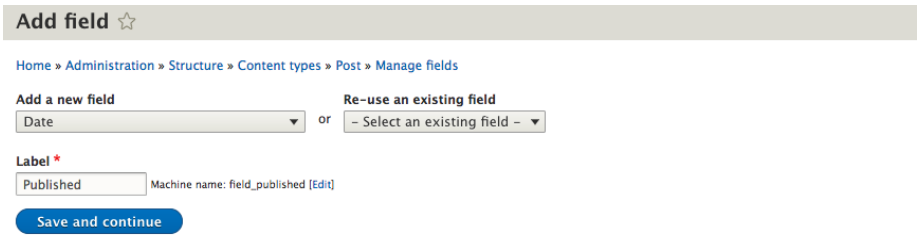

Submission form settings
Title
Publishing options
Published , Promoted to front page , Create new revision
Display settings
Display author and date information
Menu settings
Title field label *
Title
Preview before submitting
Disabled
Optional
Required
Explanation or submission guidelines
This text will be displayed at the top of the page when creating or editing content of this type.

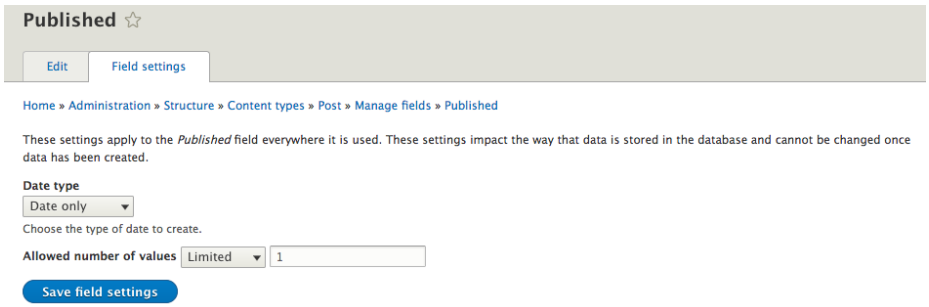

Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Display author and date information
Menu settings
Default options
Published
Promoted to front page
Sticky at top of lists
Create new revision
Users with the Administer content permission will be able to override these options.

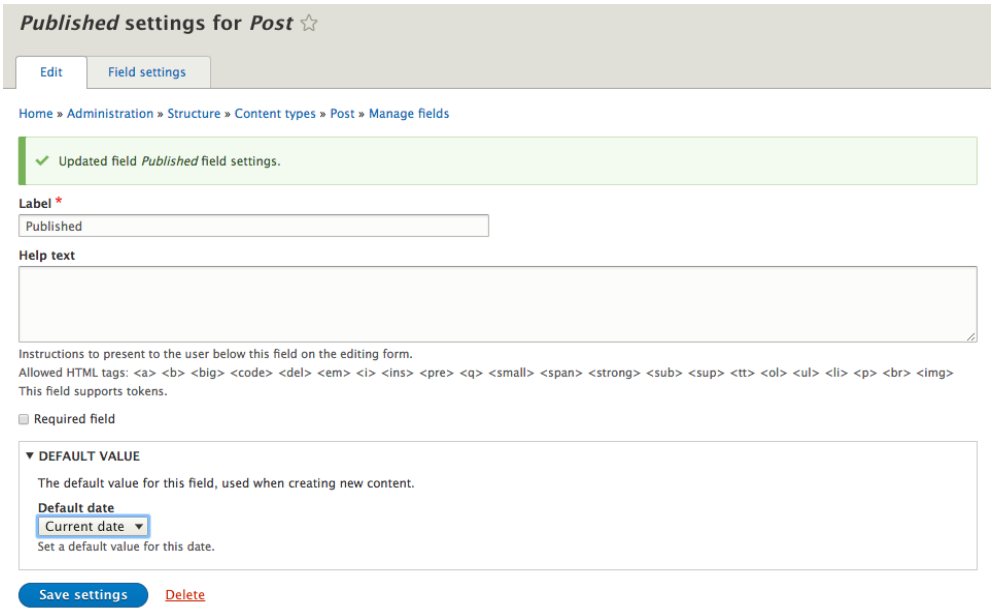

Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Don't display post information
Menu settings
Display author and date information
Author username and publish date will be displayed.


Submission form settings
Title
Publishing options
Published , Create new revision
Display settings
Don't display post information
Menu settings
Available menus
Administration
Footer
Main navigation
Tools
User account menu
The menus available to place links in for this content type.

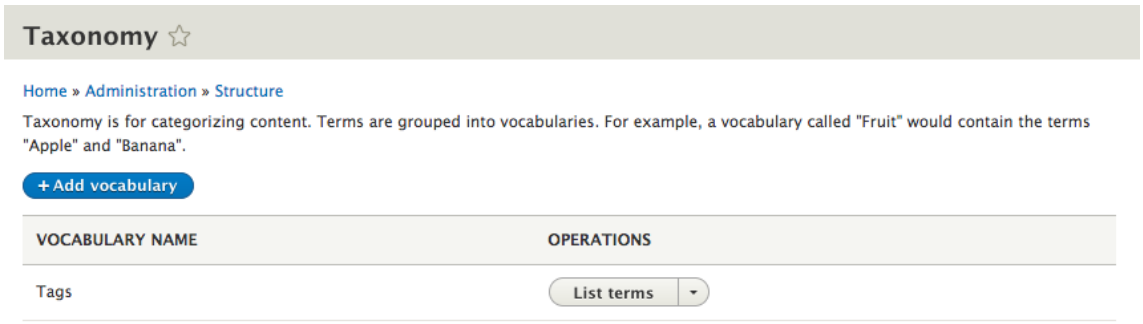
LABEL
MACHINE NAME
FIELD TYPE
OPERATIONS
Body
body
Text (formatted, long, with summary)
Edit
Storage settings
Delete

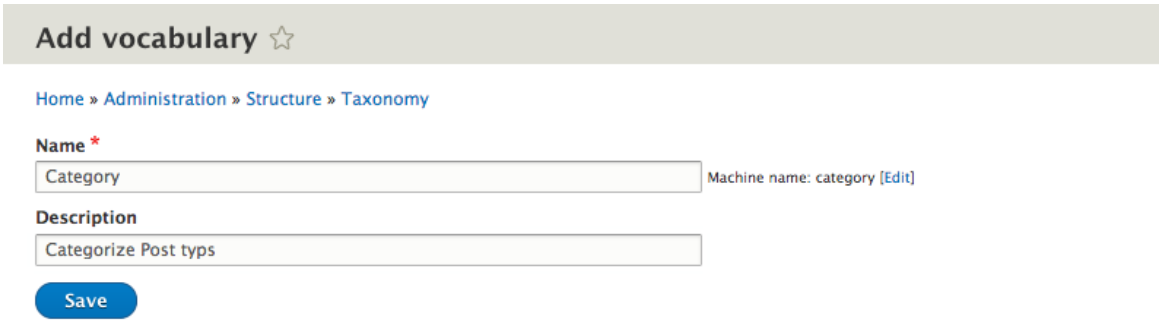

Add field
Home » Administration » Structure » Content types » Post » Manage fields
Add a new field
Date
or
Re-use an existing field
– Select an existing field –
Label *
Published
Machine name: field_published [Edit]
Save and continue

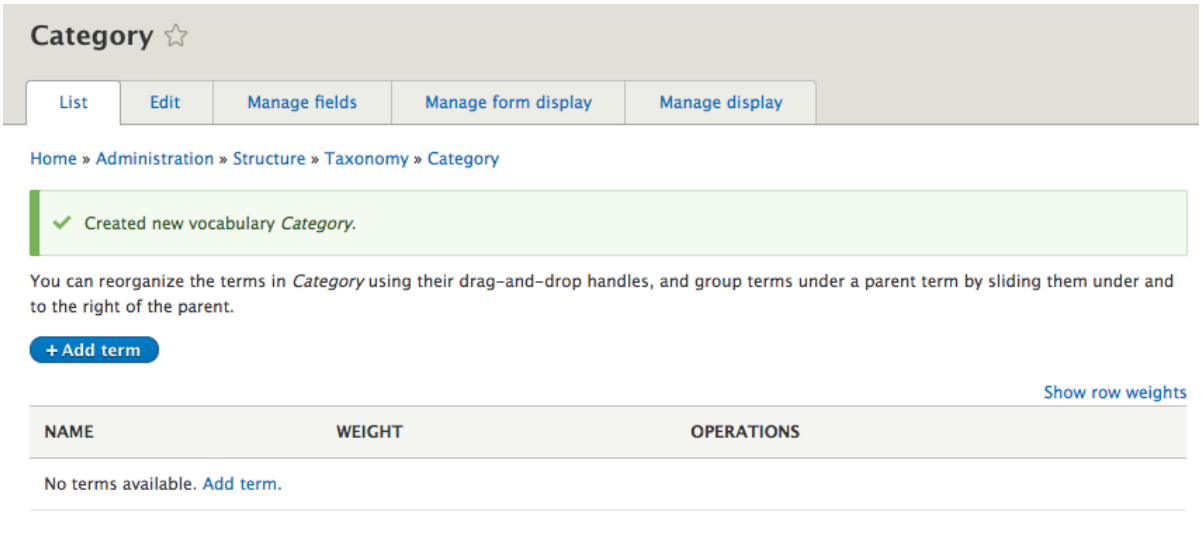




LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Author	field_author	Text (plain)	Edit
Content	field_content	Text (formatted, long)	Edit
Featured Image	field_featured_image	Image	Edit
Published	field_published	Date	Edit
Teaser	field_teaser	Text (plain, long)	Edit


Taxonomy
Home » Administration » Structure
Taxonomy is for categorizing content. Terms are grouped into vocabularies. For example, a vocabulary called "Fruit" would contain the terms "Apple" and "Banana".
+ Add vocabulary
VOCABULARY NAME
OPERATIONS
Tags
List terms


Add vocabulary
Home » Administration » Structure » Taxonomy
Name *
Category
Machine name: category [Edit]
Description
Categorize Post typs
Save


Category
List
Edit
Manage fields
Manage form display
Manage display
Home » Administration » Structure » Taxonomy » Category
Created new vocabulary Category.
You can reorganize the terms in Category using their drag-and-drop handles, and group terms under a parent term by sliding them under and to the right of the parent.
+ Add term
Show row weights
NAME
WEIGHT
OPERATIONS
No terms available. Add term.

Add term

Home » Administration » Structure » Taxonomy » Category

Name *

Outdoors

The term name.

Description

Format | Source

Text format Basic HTML | About text formats

A description of the term.

▸ **RELATIONS**

URL alias

/category/outdoors

Specify an alternative path by which this data can be accessed. For example, type "/about" when writing an about page.

Save

Show row weights

NAME	OPERATIONS
Camping	Edit
Outdoors	Edit
Rock climbing	Edit

Save | Reset to alphabetical

Comment types ☆

Home » Administration » Structure

This page provides a list of all comment types on the site and allows you to manage the fields, form and display settings for each.

+ Add comment type

COMMENT TYPE	DESCRIPTION	OPERATIONS
Default comments	Allows commenting on content	Manage fields

Add comment type ☆

Home » Administration » Structure » Comment types

Label *

Post Comment Type

Machine name: post_comment_type [Edit]

Description

Post Comment type to be added to all posts

Describe this comment type. The text will be displayed on the *Comment types* administration overview page.

Target entity type

Content

The target entity type can not be changed after the comment type has been created.

Save

Post Comments settings for *Post* ☆

Edit | Field settings

Home » Administration » Structure » Content types » Post » Manage fields

✔ Updated field *Post Comments* field settings.

Label *

Post Comments

Help text

Instructions to present to the user below this field on the editing form.
Allowed HTML tags: <a> <b> <big> <code> <del> <i> <ins> <pre> <q> <small>   <sub> <sup> <tt>   <p>
 <img>
This field supports tokens.

☐ Required field

▼ **DEFAULT VALUE**

The default value for this field, used when creating new content.

◉ Open
Users with the "Post comments" permission can post comments.

○ Closed
Users cannot post comments, but existing comments will be displayed.

○ Hidden
Comments are hidden from view.

☑ Threading
Show comment replies in a threaded list.

Comments per page *

50

☑ Show reply form on the same page as comments

Preview comment

○ Disabled
◉ Optional
○ Required

Create Post ☆

Home » Add content

Title *

Published

11/14/2016

Author

Teaser

Content

Format Source

Text format Basic HTML About text formats

Featured Image

Choose File No file chosen

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

Show row weights

CATEGORY

Add another item

Last saved: Not saved yet
Author: admin
Create new revision
Revision log message

Briefly describe the changes you have made.

▸ COMMENT SETTINGS
▸ URL PATH SETTINGS
▸ AUTHORING INFORMATION
▸ PROMOTION OPTIONS

Manage form display

Edit | Manage fields | Manage form display | Manage display

Home » Administration » Structure » Content types » Post

Content items can be edited using different form modes. Here, you can define which fields are shown and hidden when *Post* content is edited in each form mode, and define how the field form widgets are displayed in each form mode.

Show row weights

FIELD	WIDGET	
Title	Textfield	Textfield size: 60
Authored by	Autocomplete	Autocomplete matching: Contains Textfield size: 60 No placeholder
Authored on	Datetime Timestamp	
Promoted to front page	Single on/off checkbox	Use field label: Yes
Sticky at top of lists	Single on/off checkbox	Use field label: Yes

Show row weights

CATEGORY

Add another item

Category

- Camping
- Outdoors
- Rock climbing

Disabled

Promoted to front page	– Hidden –
Sticky at top of lists	– Hidden –

Post One

View | Edit | Delete

Published
Sun, 03/19/2017 - 12:00 pm
Author
Chaz Chumley
Teaser
Life is great when you can enjoy the great outdoors.
Content
Life is great when you can enjoy the great outdoors. Including a fresh stream and the warm sunshine.

Featured Image

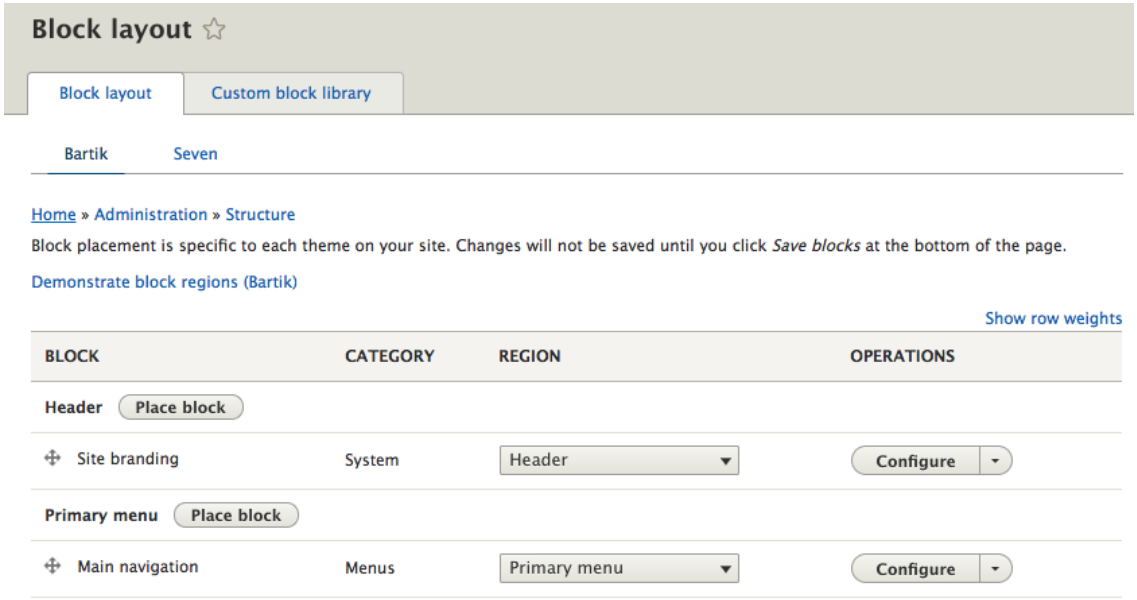
Category
Camping

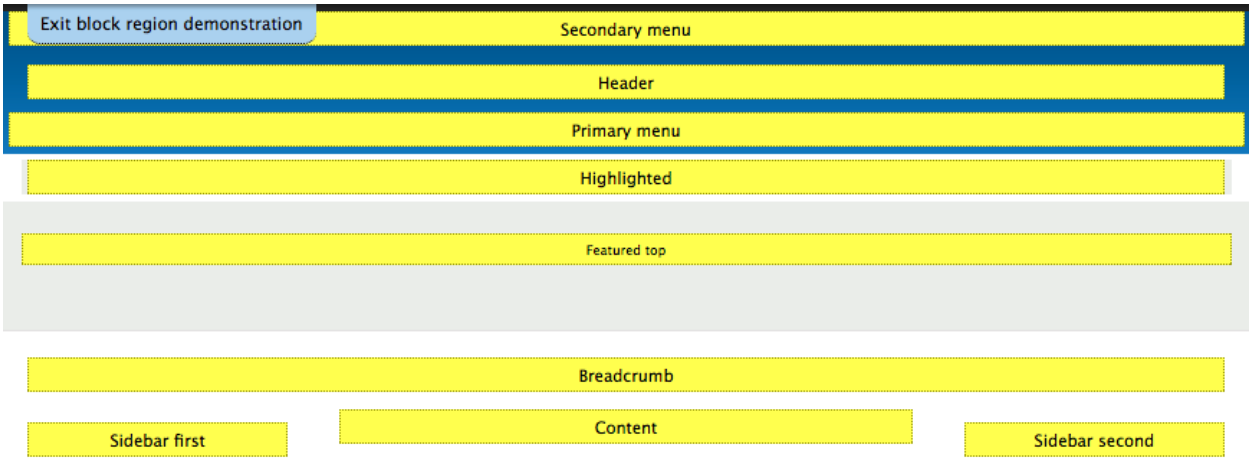
```
⇒  drupal create:vocabularies

 // Welcome to the Drupal vocabularies creator

 Enter how many vocabularies would you like to create [25]:
 > 1

 Enter the maximum number of words in vocabulary names [5]:
 > 5

 --------------- ----------------------------------------
  Vocabulary Id   Name
 --------------- ----------------------------------------
  m9510fna        Blandit Ideo Jumentum Rusticus Virtus
 --------------- ----------------------------------------

 [OK] Created "1" vocabularies successfully
```

```
⇒  drupal create:comments

 // Welcome to the Drupal comments generator

 Node ID where the comments will be created:
 > 2

 Enter how many comments would you like to generate [25]:
 > 5

 Enter the maximum number of words in titles [5]:
 > 5

 How far back in time should the comments be dated?:
  [0] N | Now
  [1] H | 1 hour ago
  [2] D | 1 day ago
  [3] W | 1 week ago
  [4] M | 1 month ago
  [5] Y | 1 year ago
 > 1

 --------- ------------ ------------------------ --------------------
  Node Id   Comment Id   Title                    Created Time
 --------- ------------ ------------------------ --------------------
  2         1            Aliquam                  2017-03-05 05:40:45
  2         2            Caecus Capto Pala Sudo   2017-03-05 06:10:58
  2         3            Consequat Utinam Vereor  2017-03-05 06:15:15
  2         4            Acsi                     2017-03-05 05:38:44
  2         5            Elit Patria Ratis        2017-03-05 06:11:32
 --------- ------------ ------------------------ --------------------

 [OK] Created "5" comments successfully
```

```
⇒  drupal create:nodes

 // Welcome to the Drupal nodes generator

 Select content type(s) to be used on node creation:
  [0] Article
  [1] Basic page
  [2] Post
 > 2

 Enter how many nodes would you like to generate [25]:
 > 5

 Enter the maximum number of words in titles [5]:
 > 5

 How far back in time should the nodes be dated?:
  [0] N | Now
  [1] H | 1 hour ago
  [2] D | 1 day ago
  [3] W | 1 week ago
  [4] M | 1 month ago
  [5] Y | 1 year ago
 > 1

 --------- -------------- ----------------------------- --------------------
  Node Id   Content type   Title                         Created Time
 --------- -------------- ----------------------------- --------------------
  3         Post           Decet Jumentum                2017-03-05 06:17:55
  4         Post           Eros Hendrerit Iriure Iustum  2017-03-05 06:09:27
  5         Post           Esca                          2017-03-05 05:59:15
  6         Post           Lobortis Minim Vel            2017-03-05 06:17:38
  7         Post           Commodo Qui                   2017-03-05 06:10:28
 --------- -------------- ----------------------------- --------------------

 [OK] Created "5" nodes successfully
```

Chapter 5: Working with Blocks





Configure block ☆

Home » Administration » Structure » Block layout

The *Powered by Drupal* block is an optional link to the home page of the Drupal project. While there is absolutely no requirement that sites feature this link, it may be used to show support for Drupal.

Block description: Powered by Drupal

Title *

Powered by Drupal — Machine name: poweredbydrupal

☐ Display title

Visibility

Content types
Not restricted

Pages
Not restricted

Roles
Not restricted

Content types
☐ Article
☐ Basic page
☐ Post

Region

Sidebar second

Select the region where this block should be displayed.

Save block Delete

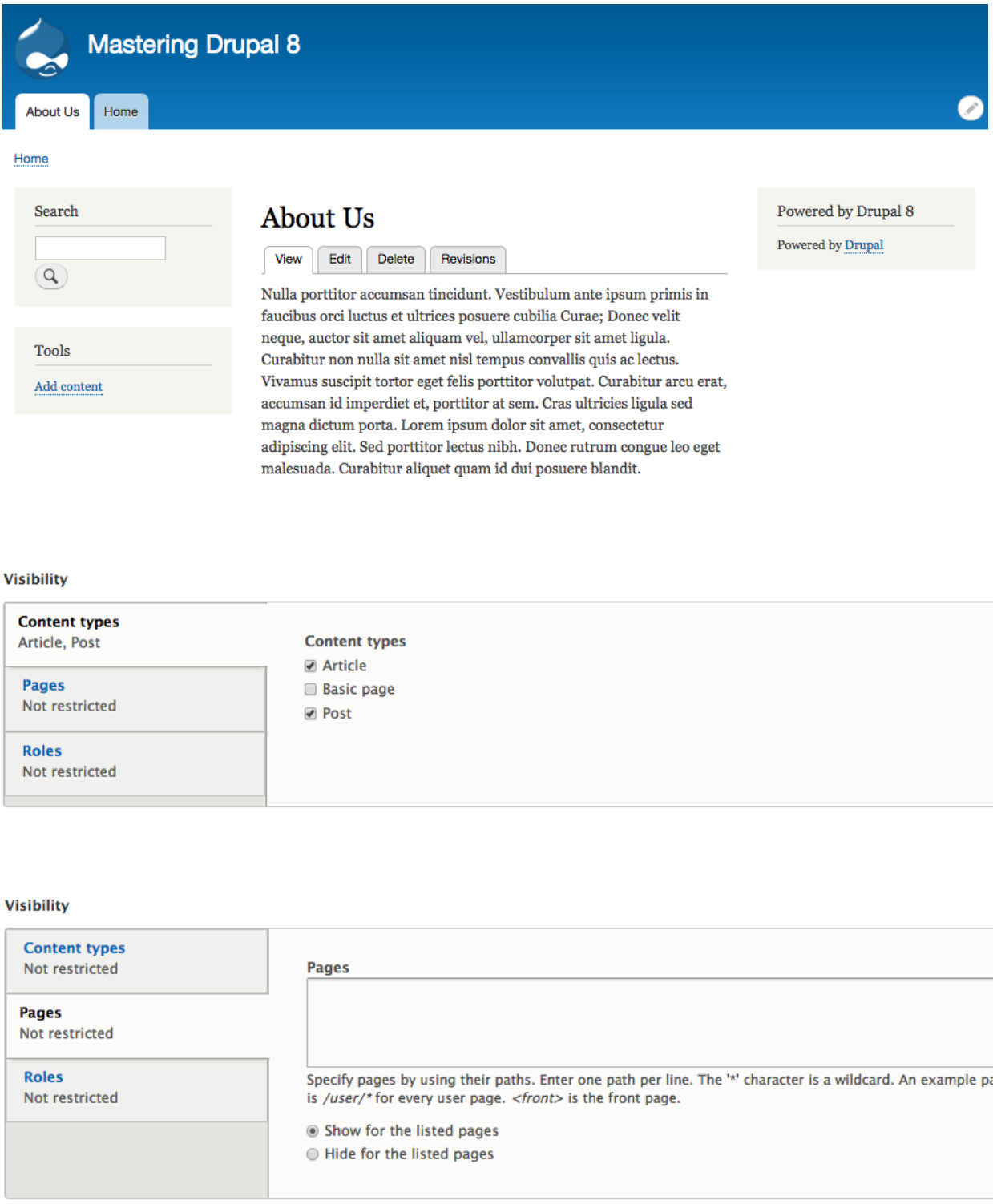
Visibility

Content types
Not restricted

Pages
Not restricted

Roles
Not restricted

Content types
☐ Article
☐ Basic page
☐ Post


Mastering Drupal 8
About Us
Home
Home
Search
Tools
Add content
About Us
View
Edit
Delete
Revisions
Nulla porttitor accumsan tincidunt. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec velit neque, auctor sit amet aliquam vel, ullamcorper sit amet ligula. Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Vivamus suscipit tortor eget felis porttitor volutpat. Curabitur arcu erat, accumsan id imperdiet et, porttitor at sem. Cras ultricies ligula sed magna dictum porta. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed porttitor lectus nibh. Donec rutrum congue leo eget malesuada. Curabitur aliquet quam id dui posuere blandit.
Powered by Drupal 8
Powered by Drupal

Visibility
Content types
Article, Post
Pages
Not restricted
Roles
Not restricted
Content types
Article
Basic page
Post

Visibility
Content types
Not restricted
Pages
Not restricted
Roles
Not restricted
Pages
Specify pages by using their paths. Enter one path per line. The '*' character is a wildcard. An example path is /user/* for every user page. <front> is the front page.
Show for the listed pages
Hide for the listed pages

Visibility

Content types
Article, Post

Pages
Restricted to certain pages

Roles
Not restricted

Pages

<front>

Specify pages by using their paths. Enter one path per line. The '*' character is a wildcard. An example path is */user/** for every user page. *<front>* is the front page.

- ○ Show for the listed pages
- ◉ Hide for the listed pages

Visibility

Content types
Not restricted

Pages
Not restricted

Roles
Not restricted

When the user has the following roles

- ☐ Anonymous user
- ☐ Authenticated user
- ☐ Administrator

Add custom block ☆

Home

Block description *

A brief description of your block.

Body

B I | Format | Source

Text format Basic HTML | About text formats

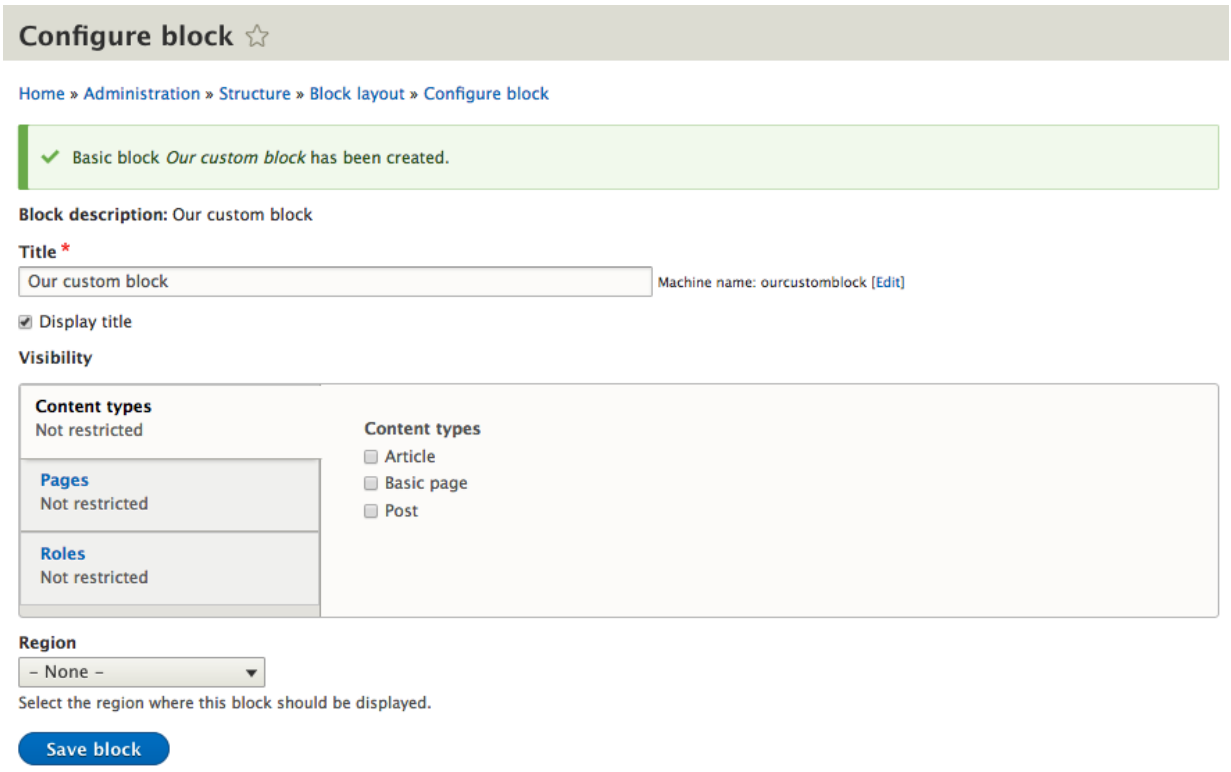
Revision information
New revision

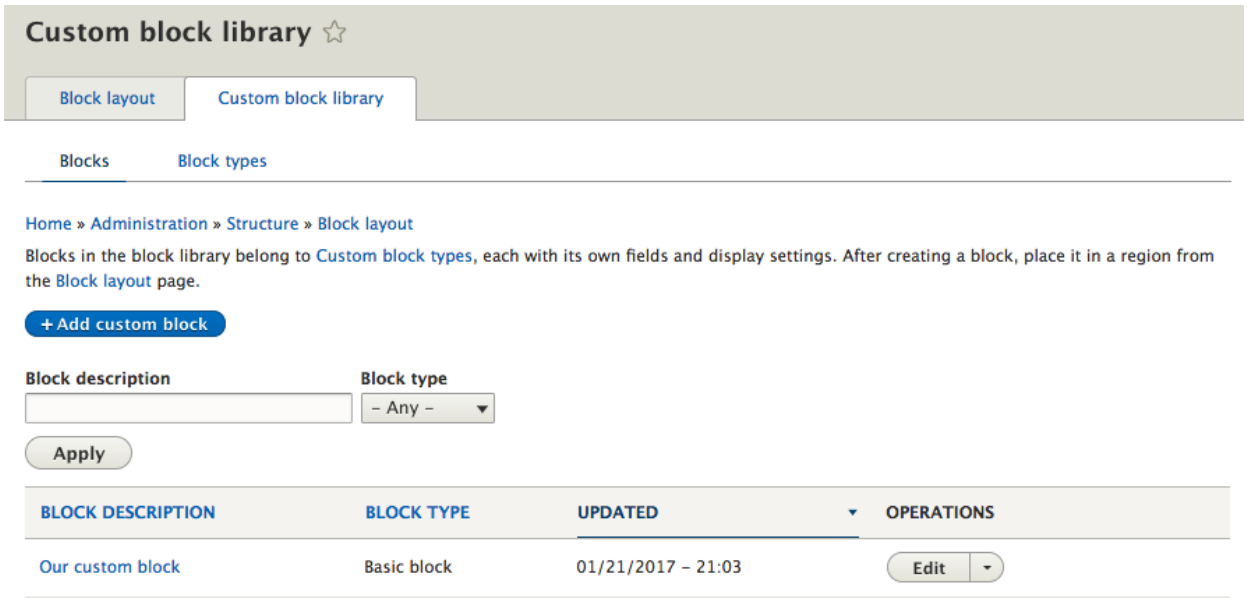
☑ Create new revision

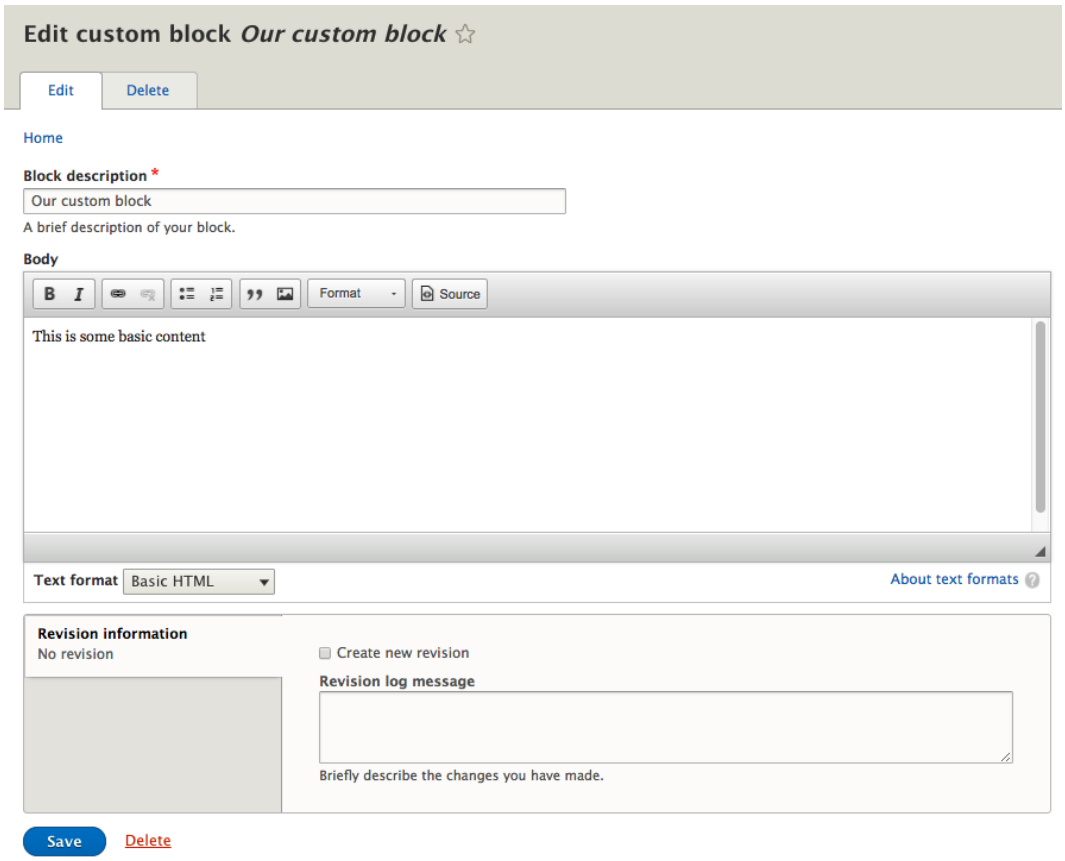
Revision log message

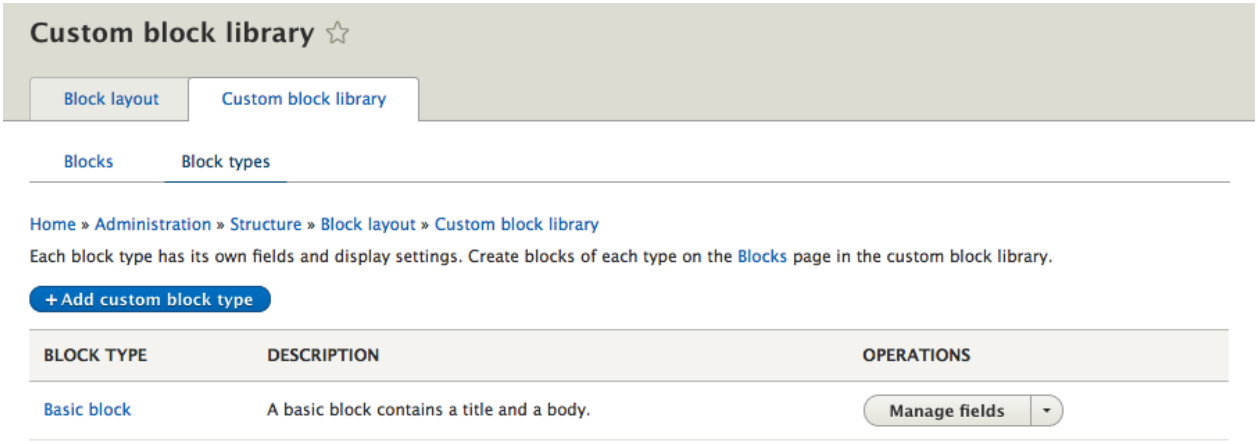
Briefly describe the changes you have made.

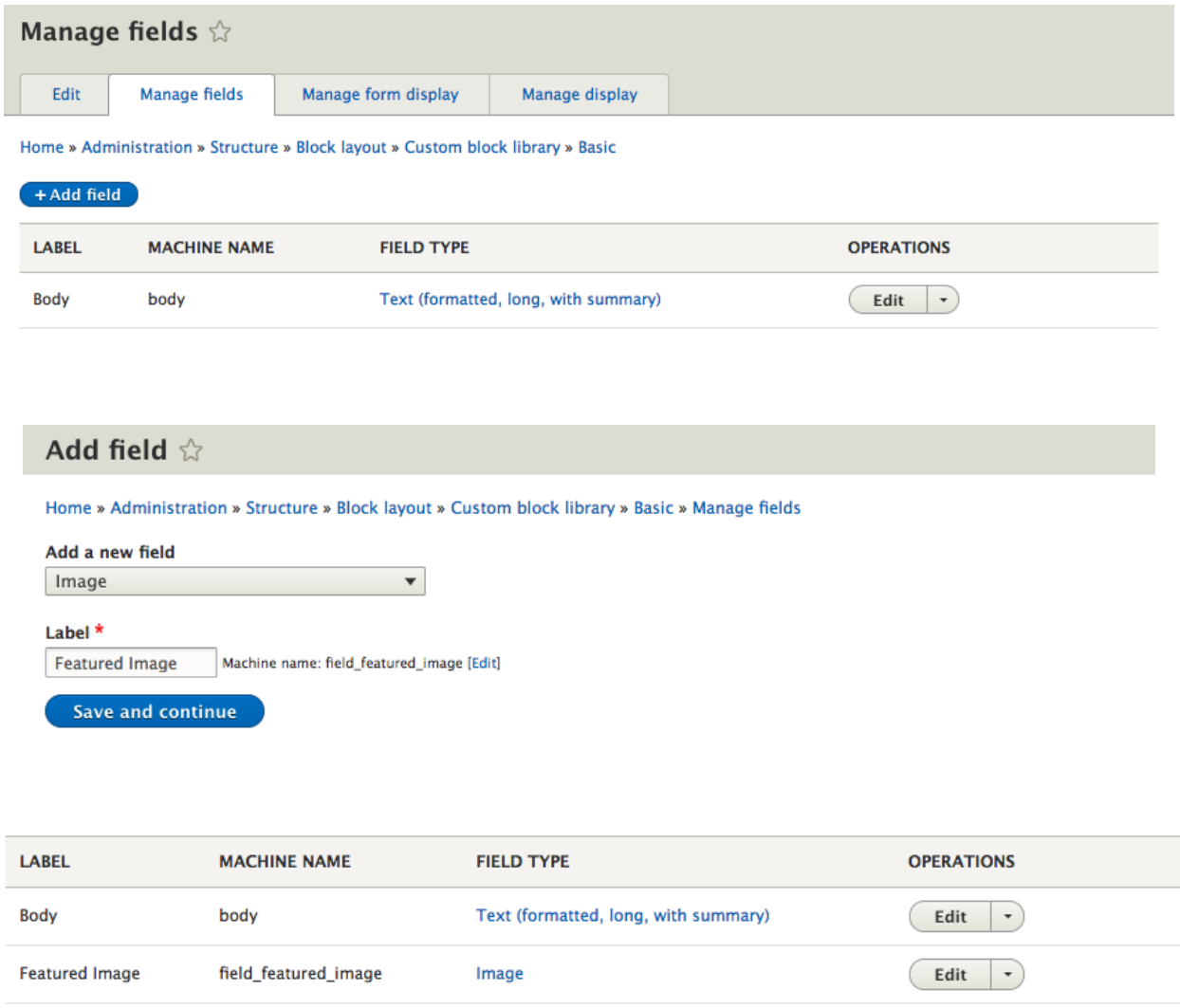
Save


Configure block
Home » Administration » Structure » Block layout » Configure block
Basic block Our custom block has been created.
Block description: Our custom block
Title *
Our custom block
Machine name: ourcustomblock [Edit]
Display title
Visibility
Content types
Not restricted
Pages
Not restricted
Roles
Not restricted
Content types
Article
Basic page
Post
Region
– None –
Select the region where this block should be displayed.
Save block


Custom block library
Block layout
Custom block library
Blocks
Block types
Home » Administration » Structure » Block layout
Blocks in the block library belong to Custom block types, each with its own fields and display settings. After creating a block, place it in a region from the Block layout page.
+ Add custom block
Block description
Block type
– Any –
Apply
BLOCK DESCRIPTION
BLOCK TYPE
UPDATED
OPERATIONS
Our custom block
Basic block
01/21/2017 – 21:03
Edit


Edit custom block Our custom block
Edit
Delete
Home
Block description *
Our custom block
A brief description of your block.
Body
Format
Source
This is some basic content
Text format
Basic HTML
About text formats
Revision information
No revision
Create new revision
Revision log message
Briefly describe the changes you have made.
Save
Delete


Custom block library
Block layout
Custom block library
Blocks
Block types
Home » Administration » Structure » Block layout » Custom block library
Each block type has its own fields and display settings. Create blocks of each type on the Blocks page in the custom block library.
+ Add custom block type
BLOCK TYPE
DESCRIPTION
OPERATIONS
Basic block
A basic block contains a title and a body.
Manage fields



LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit
Featured Image	field_featured_image	Image	Edit

Manage form display

Edit | Manage fields | Manage form display | Manage display

Home » Administration » Structure » Block layout » Custom block library » Basic

Show row weights

FIELD	WIDGET	
Block description	Textfield	Textfield size: 60
Body	Text area with a summary	Number of rows: 9 Number of summary rows: 3
Featured Image	Image	Preview image style: Thumbnail (100×100) Progress indicator: throbber
Headline	Textfield	Textfield size: 60
Disabled		
No field is hidden.		

Save

* You have unsaved changes.

FIELD	WIDGET	
Block description	Textfield	Textfield size: 60
Headline*	Textfield	Textfield size: 60
Featured Image*	Image	Preview image style: Thumbnail (100×100) Progress indicator: throbber
Body	Text area with a summary	Number of rows: 9 Number of summary rows: 3
Disabled		
No field is hidden.		

Save

Block description *

A brief description of your block.

Headline

Featured Image

Choose File No file chosen

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

Body

B I Format Source

Headline

Widget settings: **Textfield**

Size of textfield *

60

Placeholder

Please enter a descriptive Headline

Text that will be shown inside the field until a value is entered. This hint is usually a sample value or a brief description of the expected format.

Update Cancel

Add custom block

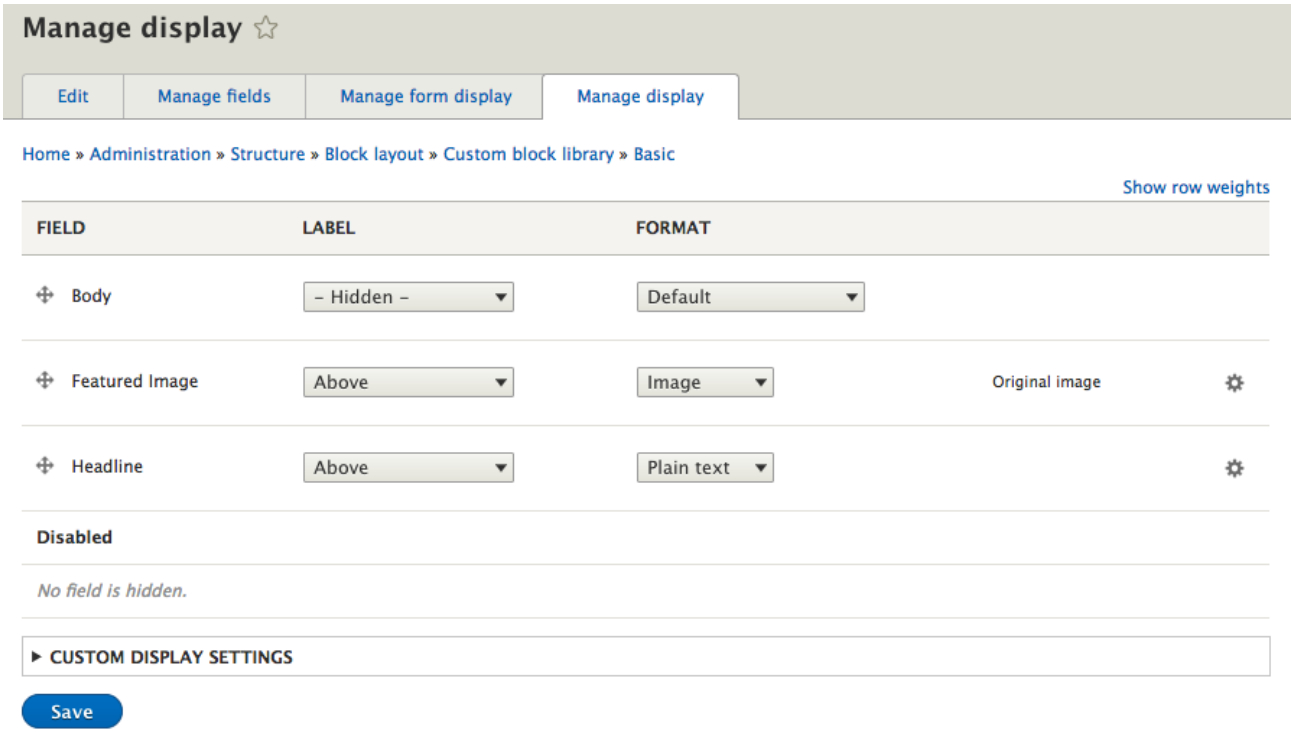
Home

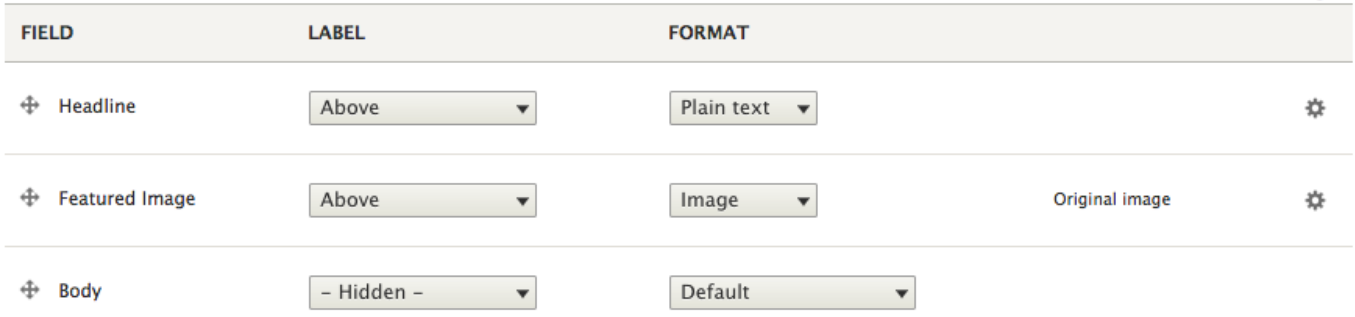
Block description *

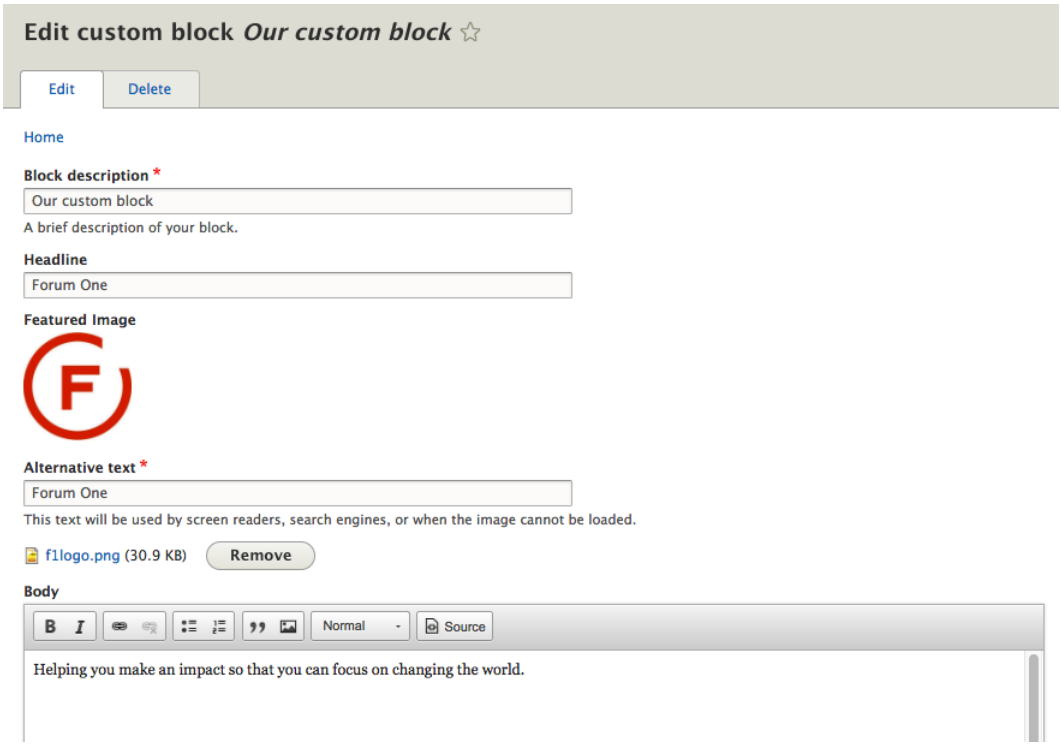
A brief description of your block.

Headline

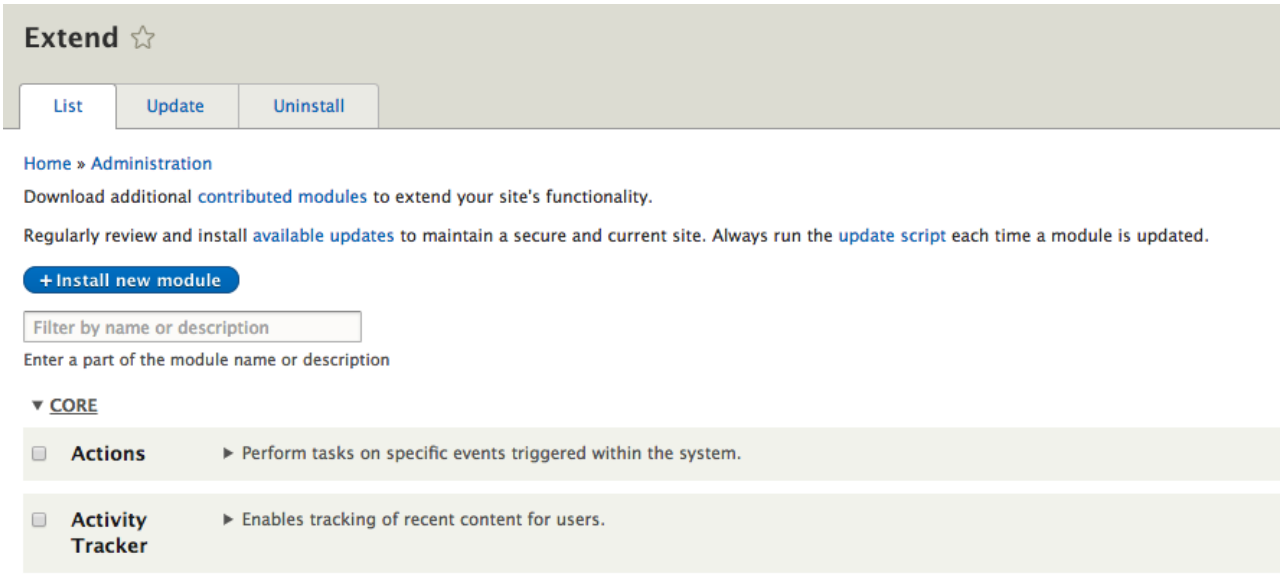
Please enter a descriptive Headline

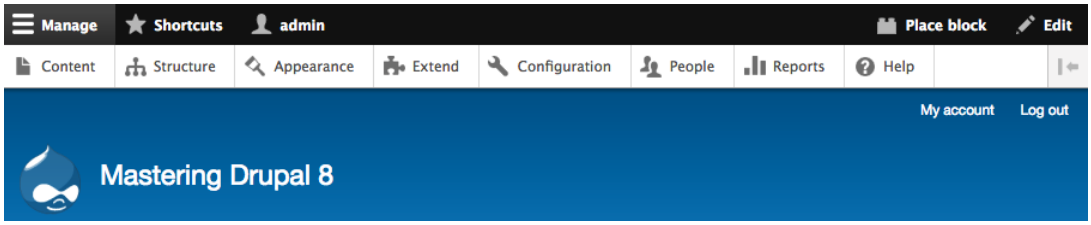

Manage display
Edit
Manage fields
Manage form display
Manage display
Home » Administration » Structure » Block layout » Custom block library » Basic
Show row weights
FIELD
LABEL
FORMAT
Body
– Hidden –
Default
Featured Image
Above
Image
Original image
Headline
Above
Plain text
Disabled
No field is hidden.
CUSTOM DISPLAY SETTINGS
Save

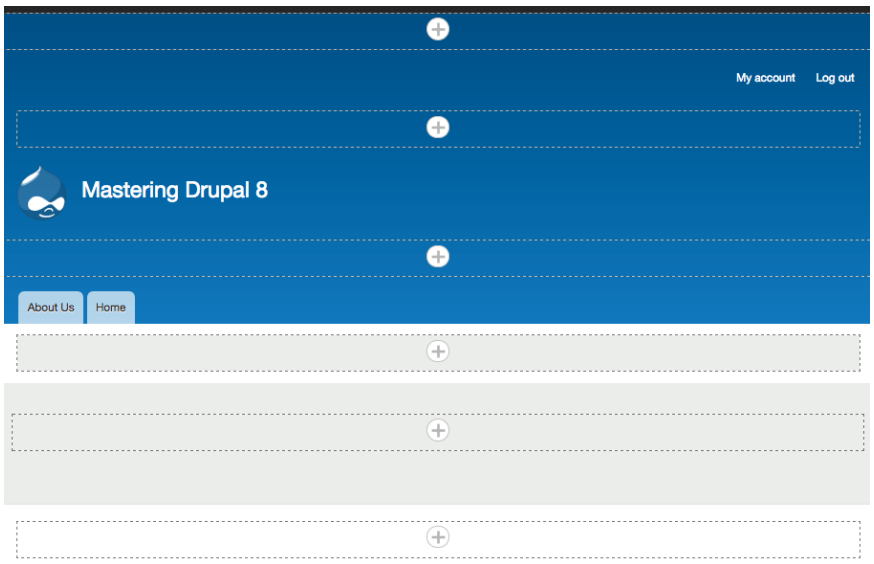

FIELD
LABEL
FORMAT
Headline
Above
Plain text
Featured Image
Above
Image
Original image
Body
– Hidden –
Default

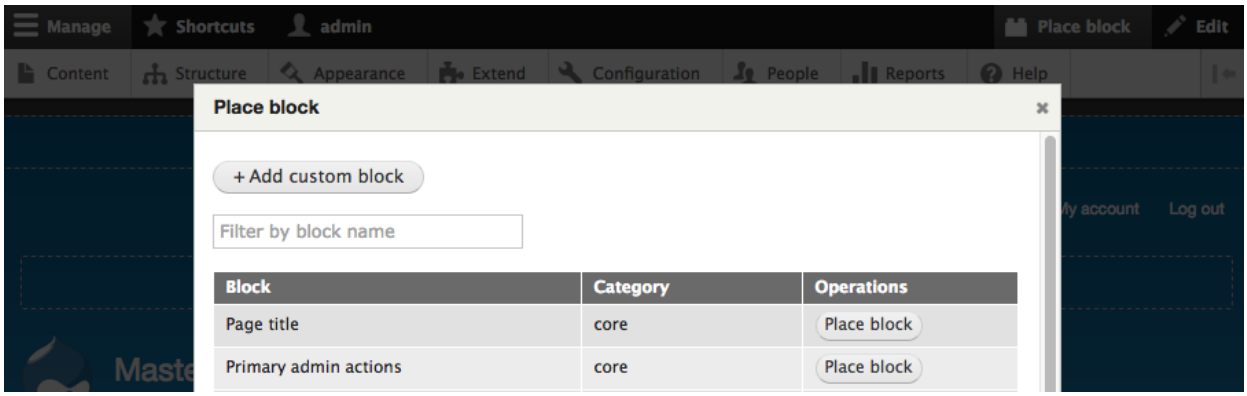

Edit custom block Our custom block
Edit
Delete
Home
Block description *
Our custom block
A brief description of your block.
Headline
Forum One
Featured Image
Alternative text *
Forum One
This text will be used by screen readers, search engines, or when the image cannot be loaded.
f1logo.png (30.9 KB)
Remove
Body
Normal
Source
Helping you make an impact so that you can focus on changing the world.

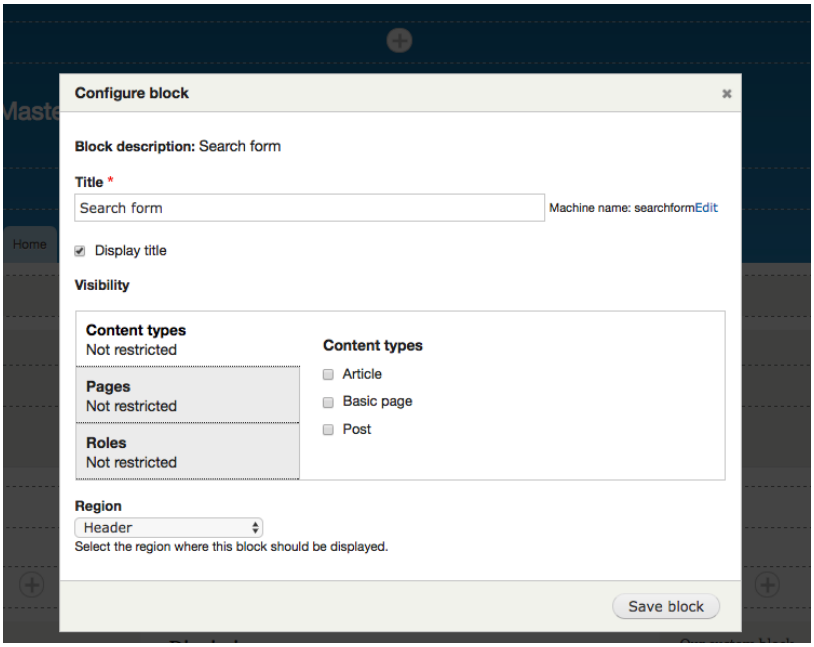
Mastering Drupal 8
About Us
Home
Search
Tools
Add content
Dignissim
Read more
Our custom block
Forum One
Helping you make an impact so that you can focus on changing the world.


Extend
List
Update
Uninstall
Home » Administration
Download additional contributed modules to extend your site's functionality.
Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated.
+ Install new module
Filter by name or description
Enter a part of the module name or description
CORE
Actions
Perform tasks on specific events triggered within the system.
Activity Tracker
Enables tracking of recent content for users.


Manage
Shortcuts
admin
Place block
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8


My account
Log out
Mastering Drupal 8
About Us
Home





The block configuration has been saved.

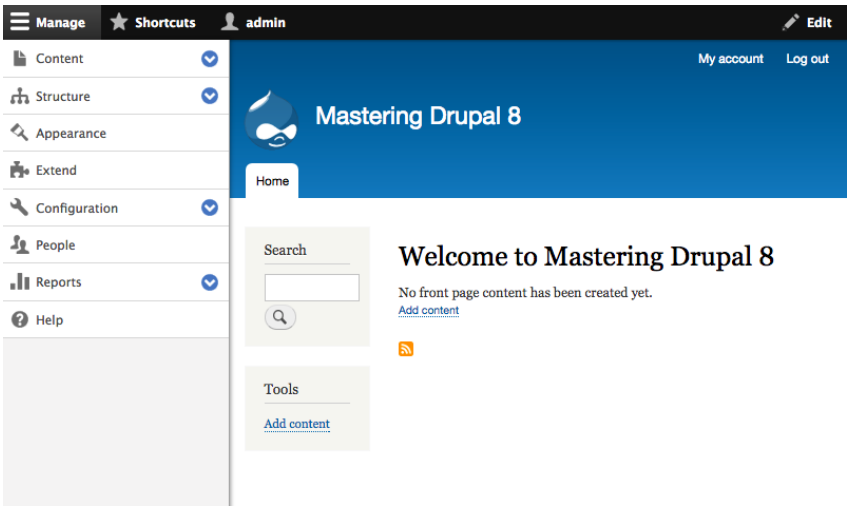
Block placement is specific to each theme on your site. Changes will not be saved until you click *Save blocks* at the bottom of the page.

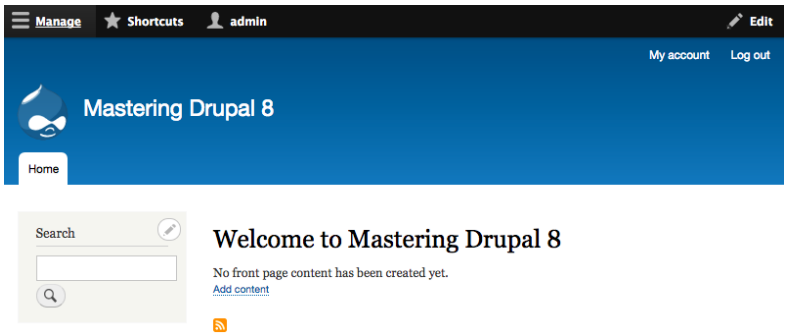
Demonstrate block regions (Bartik)

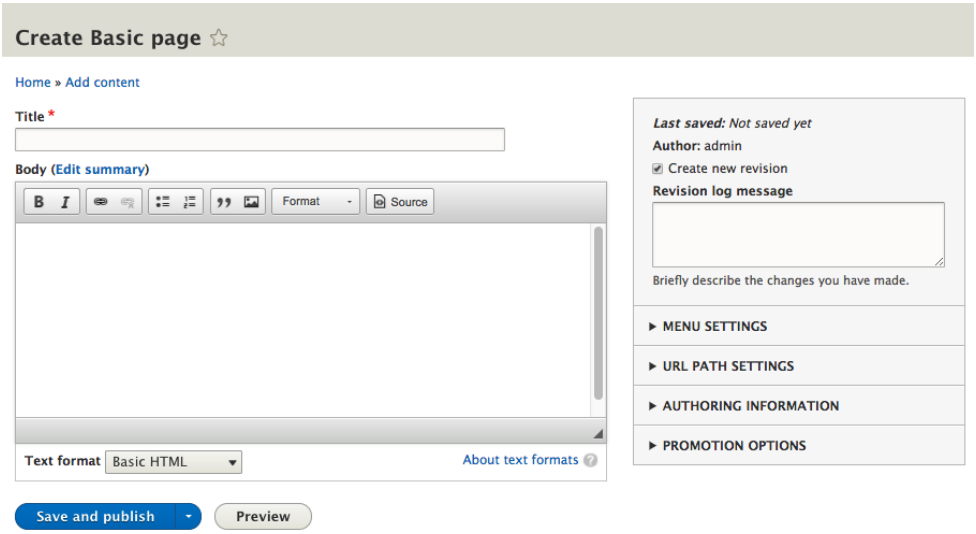
Show row weights

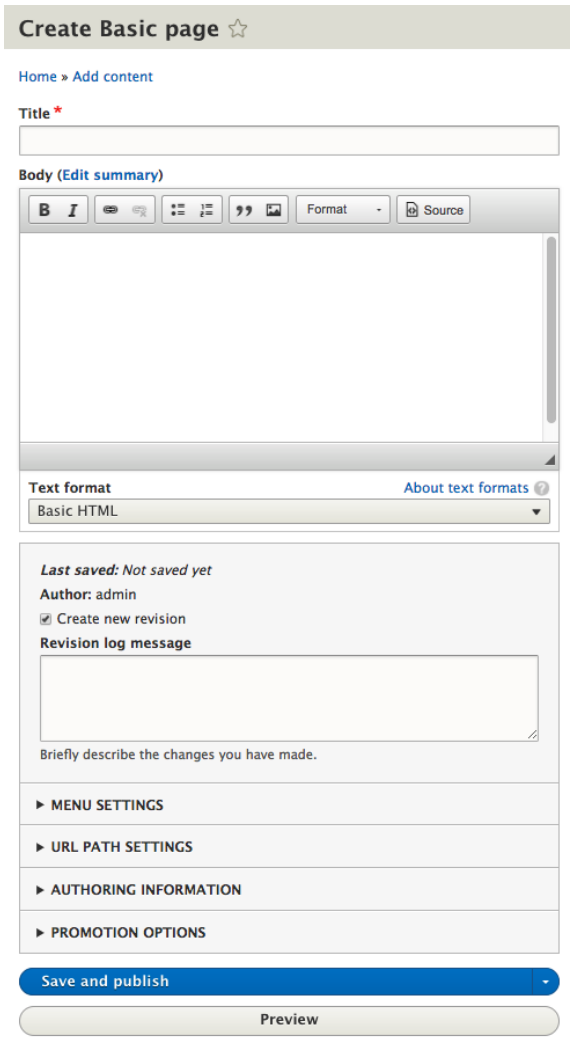
BLOCK	CATEGORY	REGION	OPERATIONS
Header Place block			
Search form	Forms	Header	Configure
Site branding	System	Header	Configure

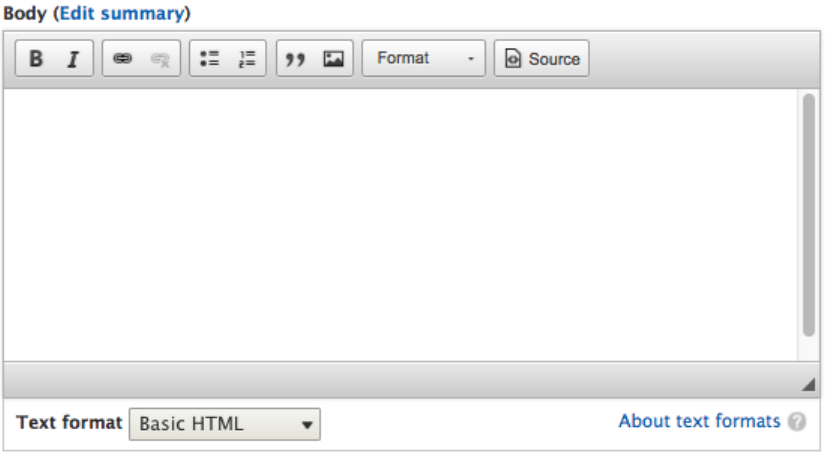
Chapter 6: Content Authoring, HTML5, and Media

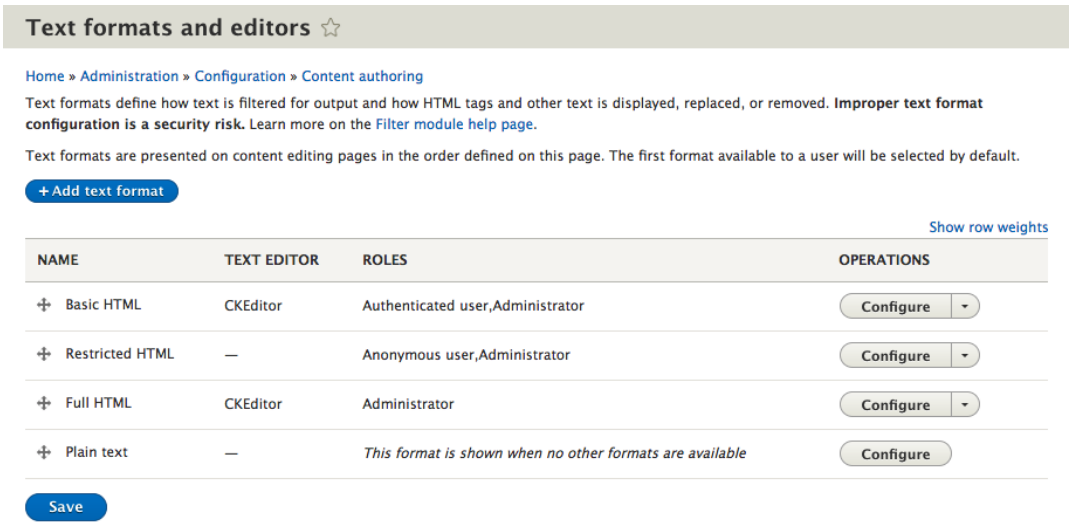


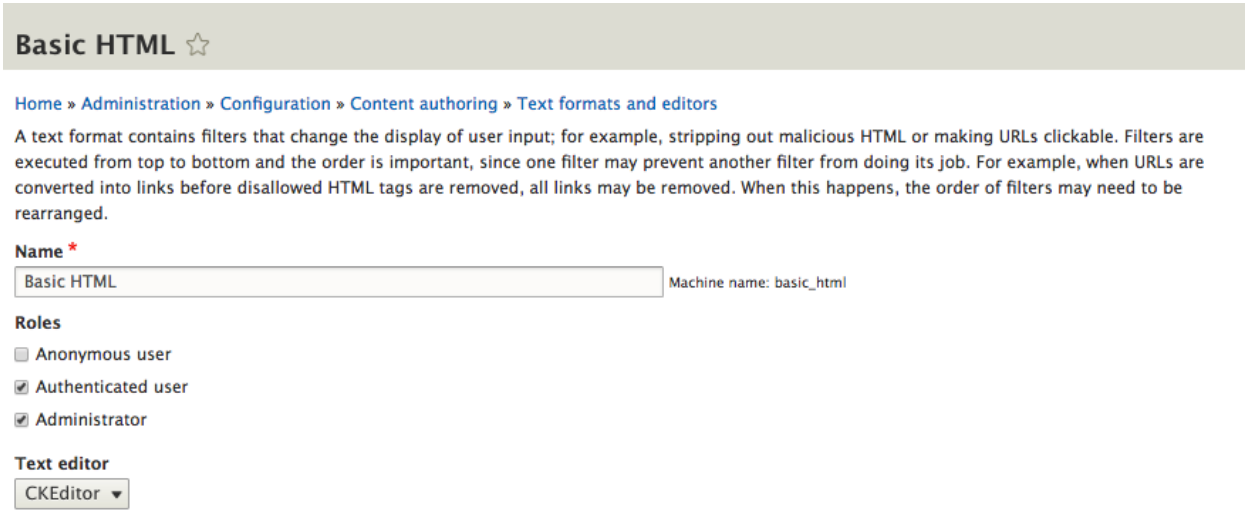





Create Basic page
Home » Add content
Title *
Body (Edit summary)
Format
Source
Text format
About text formats
Basic HTML
Last saved: Not saved yet
Author: admin
Create new revision
Revision log message
Briefly describe the changes you have made.
MENU SETTINGS
URL PATH SETTINGS
AUTHORING INFORMATION
PROMOTION OPTIONS
Save and publish
Preview


Body (Edit summary)
Format
Source
Text format
Basic HTML
About text formats


Text formats and editors
Home » Administration » Configuration » Content authoring
Text formats define how text is filtered for output and how HTML tags and other text is displayed, replaced, or removed. Improper text format configuration is a security risk. Learn more on the Filter module help page.
Text formats are presented on content editing pages in the order defined on this page. The first format available to a user will be selected by default.
+ Add text format
Show row weights
NAME
TEXT EDITOR
ROLES
OPERATIONS
Basic HTML
CKEditor
Authenticated user,Administrator
Configure
Restricted HTML
—
Anonymous user,Administrator
Configure
Full HTML
CKEditor
Administrator
Configure
Plain text
—
This format is shown when no other formats are available
Configure
Save


Basic HTML
Home » Administration » Configuration » Content authoring » Text formats and editors
A text format contains filters that change the display of user input; for example, stripping out malicious HTML or making URLs clickable. Filters are executed from top to bottom and the order is important, since one filter may prevent another filter from doing its job. For example, when URLs are converted into links before disallowed HTML tags are removed, all links may be removed. When this happens, the order of filters may need to be rearranged.
Name *
Basic HTML
Machine name: basic_html
Roles
Anonymous user
Authenticated user
Administrator
Text editor
CKEditor

TOOLBAR CONFIGURATION
Move a button into the Active toolbar to enable it, or into the list of Available buttons to disable it. Buttons may be moved with the mouse or keyboard arrow keys. Toolbar group names are provided to support screen reader users. Empty toolbar groups will be removed upon save.
Available buttons
Button divider
Styles
Active toolbar
Show group names
Format

CKEditor plugin settings

Image
Uploads enabled, max size: 32 MB

☑ Enable image uploads

Upload directory
inline-images
A directory relative to Drupal's files directory where uploaded images will be stored.

Maximum file size
32 MB
If this is left empty, then the file size will be limited by the PHP maximum upload size of 32 MB.

Maximum dimensions
width x height pixels
Images larger than these dimensions will be scaled down.

Enabled filters

- ☑ Limit allowed HTML tags and correct faulty HTML
- ☐ Display any HTML as plain text
- ☐ Convert line breaks into HTML (i.e. `<br>` and `<p>`)
- ☐ Convert URLs into links
- ☑ Align images
  Uses a `data-align` attribute on `<img>` tags to align images.
- ☑ Caption images
  Uses a `data-caption` attribute on `<img>` tags to caption images.
- ☑ Restrict images to this site
  Disallows usage of <img> tag sources that are not hosted on this site by replacing them with a placeholder image.
- ☐ Correct faulty and chopped off HTML
- ☑ Track images uploaded via a Text Editor
  Ensures that the latest versions of images uploaded via a Text Editor are displayed.

Filter processing order

Show row weights

- Limit allowed HTML tags and correct faulty HTML
- Align images
- Caption images
- Restrict images to this site
- Track images uploaded via a Text Editor

Filter settings

Limit allowed HTML tags and correct faulty HTML
Enabled

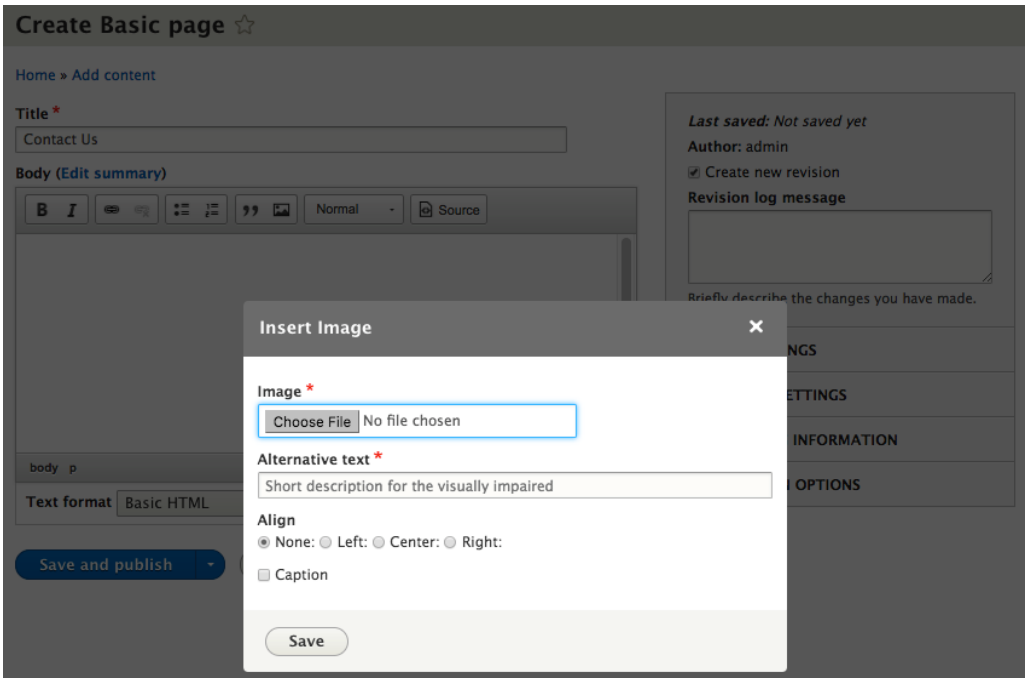
Allowed HTML tags

<a href hreflang>   <cite> <blockquote cite> <code> <ul type> <ol start type> <

A list of HTML tags that can be used. By default only the *lang* and *dir* attributes are allowed for all HTML tags. Each HTML tag may have attributes which are treated as allowed attribute names for that HTML tag. Each attribute may allow all values, or only allow specific values. Attribute names or values may be written as a prefix and wildcard like *jump-**. JavaScript event attributes, JavaScript URLs, and CSS are always stripped.

☐ Display basic HTML help in long filter tips

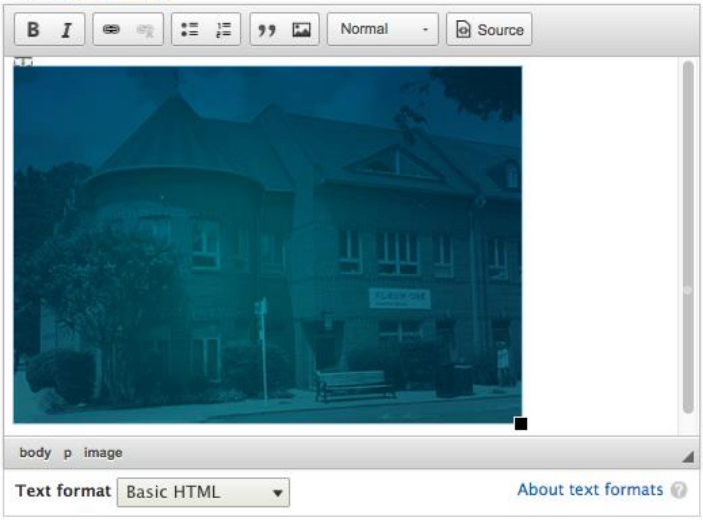
☐ Add rel="nofollow" to all links

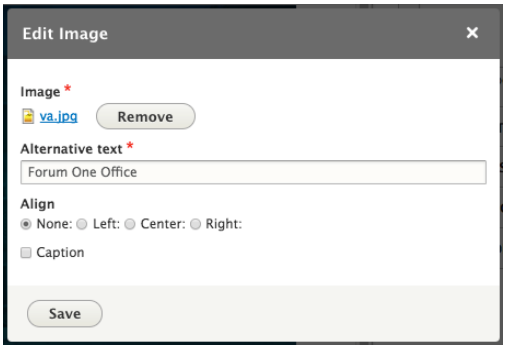


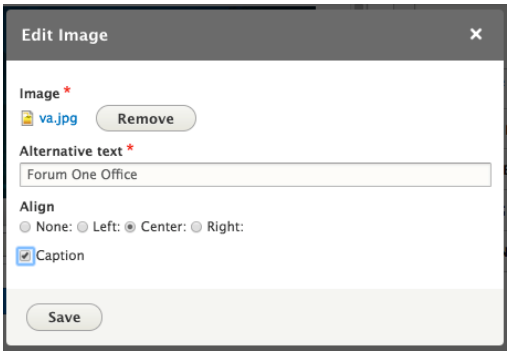
Title *

Contact Us

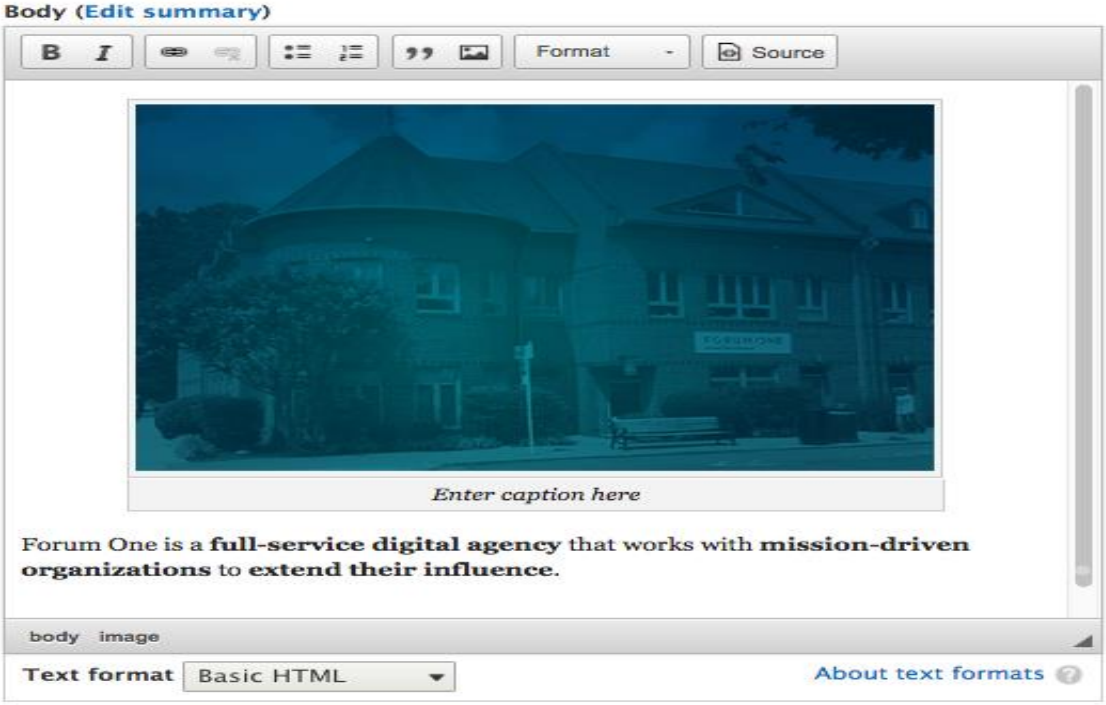
Body (Edit summary)







Body (Edit summary)



My Basic Page

View | Edit | Delete | Revisions

Forum One - 2200 Mount Vernon Ave. Alexandria, VA

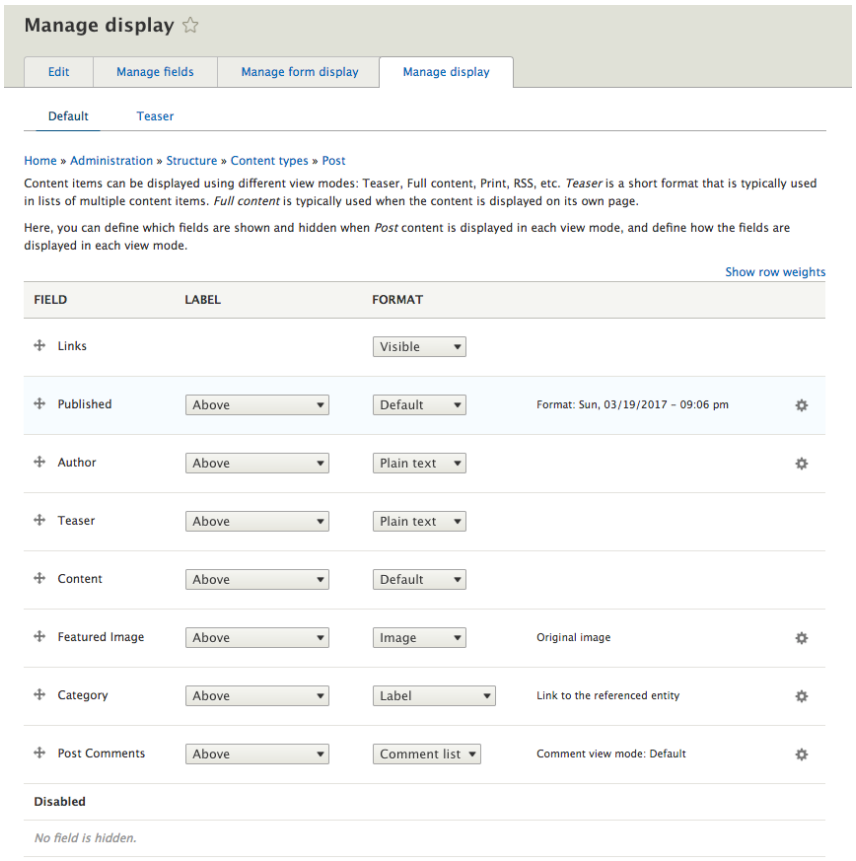
Forum One is a **full-service digital agency** that works with **mission-driven organizations** to **extend their influence**.

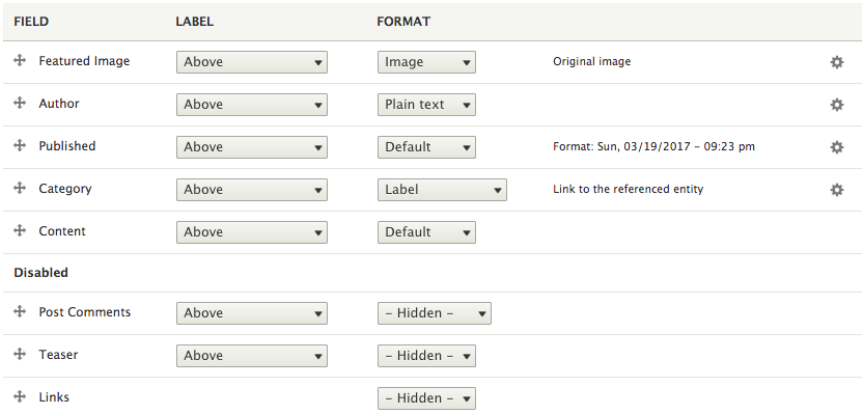
Post One

View | Edit | Delete

Published
Sun, 03/19/2017 - 12:00 pm
Author
Chaz Chumley
Teaser
Life is great when you can enjoy the great outdoors.
Content
Life is great when you can enjoy the great outdoors. Including a fresh stream and the warm sunshine.

Featured Image


Manage display
Edit
Manage fields
Manage form display
Manage display
Default
Teaser
Home » Administration » Structure » Content types » Post
Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. Teaser is a short format that is typically used in lists of multiple content items. Full content is typically used when the content is displayed on its own page.
Here, you can define which fields are shown and hidden when Post content is displayed in each view mode, and define how the fields are displayed in each view mode.
Show row weights
FIELD
LABEL
FORMAT
Links
Visible
Published
Above
Default
Format: Sun, 03/19/2017 - 09:06 pm
Author
Above
Plain text
Teaser
Above
Plain text
Content
Above
Default
Featured Image
Above
Image
Original image
Category
Above
Label
Link to the referenced entity
Post Comments
Above
Comment list
Comment view mode: Default
Disabled
No field is hidden.


FIELD
LABEL
FORMAT
Featured Image
Above
Image
Original image
Author
Above
Plain text
Published
Above
Default
Format: Sun, 03/19/2017 - 09:23 pm
Category
Above
Label
Link to the referenced entity
Content
Above
Default
Disabled
Post Comments
Above
- Hidden -
Teaser
Above
- Hidden -
Links
- Hidden -

Post One

Featured Image

Author
Chaz Chumley
Published
Sun, 03/19/2017 - 12:00 pm
Category
Camping

Content
Life is great when you can enjoy the great outdoors. Including a fresh stream and the warm sunshine.

FIELD	LABEL	FORMAT		
Featured Image	– Hidden –	Image	Original image	⚙
Author	Inline	Plain text		⚙
Published	Inline	Default	Format: Sun, 03/19/2017 - 09:27 pm	⚙
Category	Inline	Label	Link to the referenced entity	⚙
Content	– Hidden –	Default		

Post One

Author: Chaz Chumley
Published: Sun, 03/19/2017 - 12:00 pm
Category: Camping
Life is great when you can enjoy the great outdoors. Including a fresh stream and the warm sunshine.

Published | Inline

Format settings: **Default**

Time zone override

– None selected –

The time zone selected here will always be used

Date format

Default long date (Sunday, March 19, 2017 – 09:41 pm)

Choose a format for displaying the date. Be sure to set a format appropriate for the field, i.e. omitting time for a field that only has a date.

Update | Cancel

Default Teaser

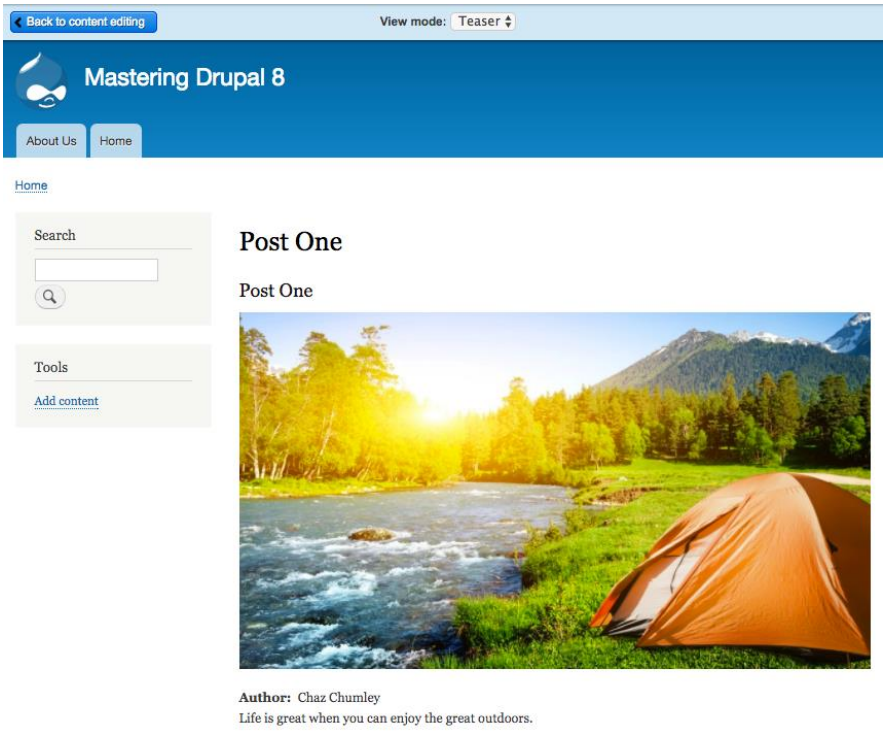
Home » Administration » Structure » Content types » Post » Manage display

Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. *Teaser* is a short format that is typically used in lists of multiple content items. *Full content* is typically used when the content is displayed on its own page.

Here, you can define which fields are shown and hidden when *Post* content is displayed in each view mode, and define how the fields are displayed in each view mode.

Show row weights

FIELD	LABEL	FORMAT	
Featured Image	– Hidden –	Image	Original image
Author	Inline	Plain text	
Teaser	– Hidden –	Plain text	



▼ CUSTOM DISPLAY SETTINGS

Use custom display settings for the following view modes

- [ ] Full content
- [ ] RSS
- [ ] Search index
- [ ] Search result highlighting input
- [x] Teaser

Manage view modes

View modes ☆

Home » Administration » Structure » Display modes

+ Add view mode

Content

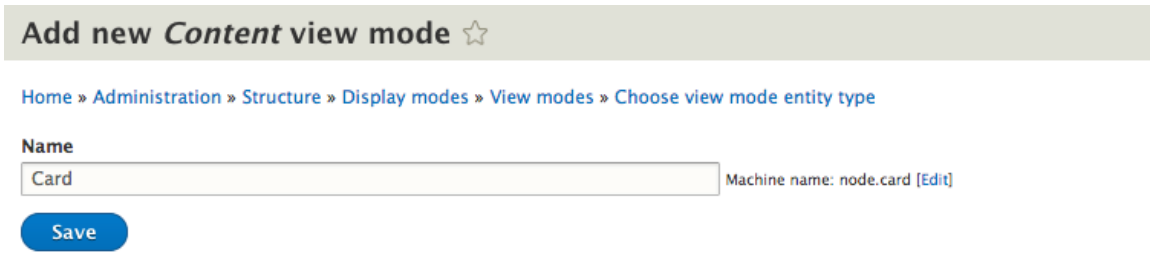
NAME	OPERATIONS
Full content	Edit
RSS	Edit
Search index	Edit
Search result highlighting input	Edit
Teaser	Edit

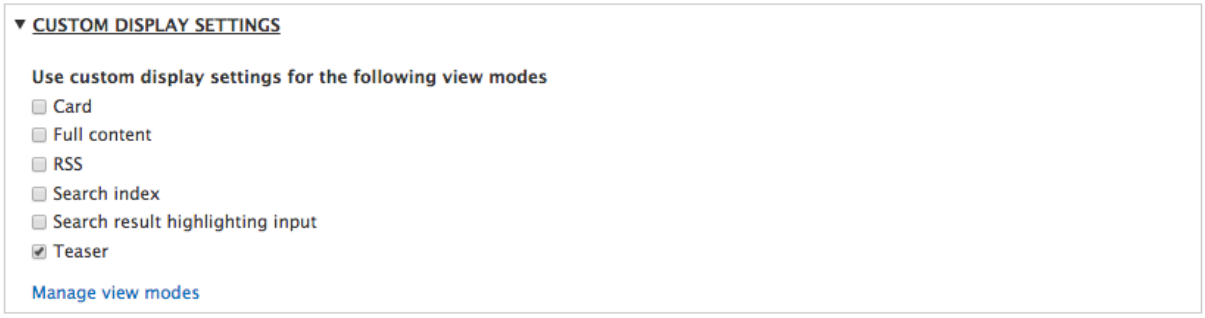
Add new *Content* view mode

Choose view mode entity type ☆

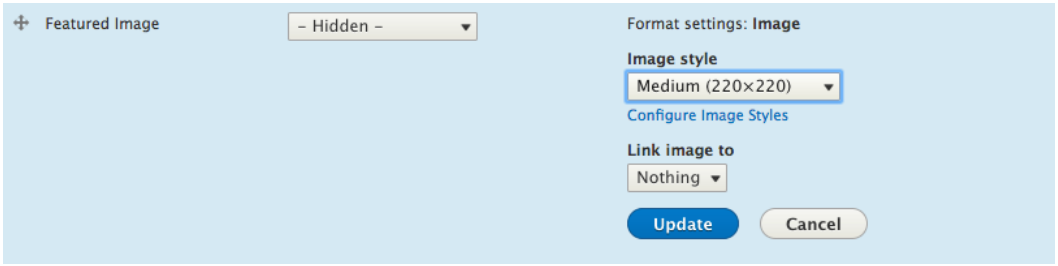
Home » Administration » Structure » Display modes » View modes

- **Custom block**
- **Comment**
- **Contact message**
- **Content**
- **Taxonomy term**
- **User**


Add new *Content* view mode
Home » Administration » Structure » Display modes » View modes » Choose view mode entity type
Name
Card
Machine name: node.card [Edit]
Save


CUSTOM DISPLAY SETTINGS
Use custom display settings for the following view modes
Card
Full content
RSS
Search index
Search result highlighting input
Teaser
Manage view modes

Featured Image
– Hidden –
Image
Original image


Featured Image
– Hidden –
Format settings: Image
Image style
Medium (220×220)
Configure Image Styles
Link image to
Nothing
Update
Cancel

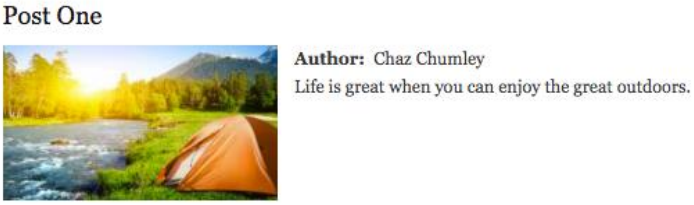

Post One
Author: Chaz Chumley
Life is great when you can enjoy the great outdoors.

Image styles ☆

Home » Administration » Configuration » Media

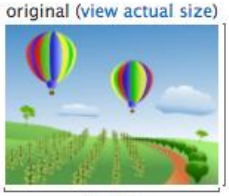
Image styles commonly provide thumbnail sizes by scaling and cropping images, but can also add various effects before an image is displayed. When an image is displayed with a style, a new file is created and the original image is left unchanged.

+ Add image style

STYLE NAME	OPERATIONS
Large (480×480)	Edit
Medium (220×220)	Edit
Thumbnail (100×100)	Edit

Preview

original (view actual size)



Large (480×480) (view actual size)

Image style name *

Large (480×480) Machine name: large [Edit]

Show row weights

EFFECT	OPERATIONS
✣ Scale 480×480	Edit
✣ Select a new effect ▾ Add	

Update style Delete

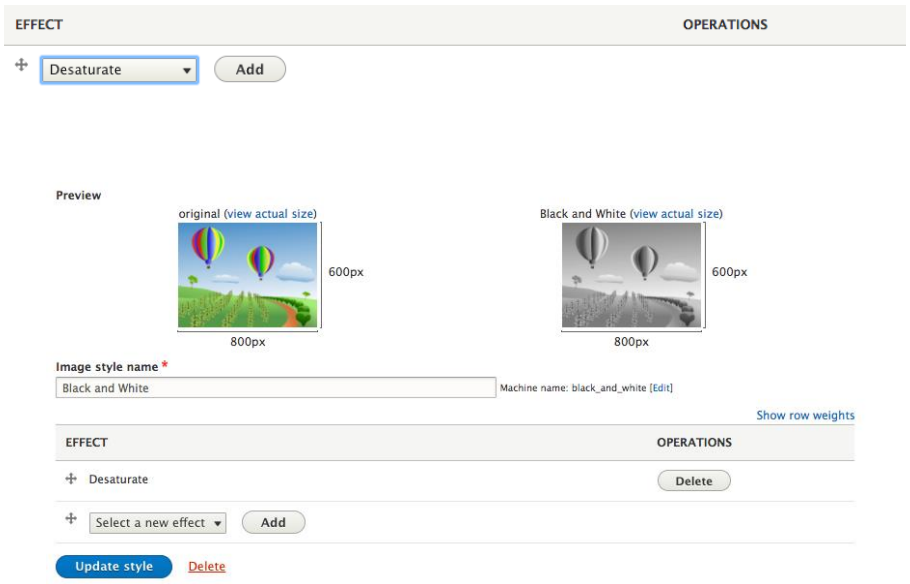
Add image style ☆

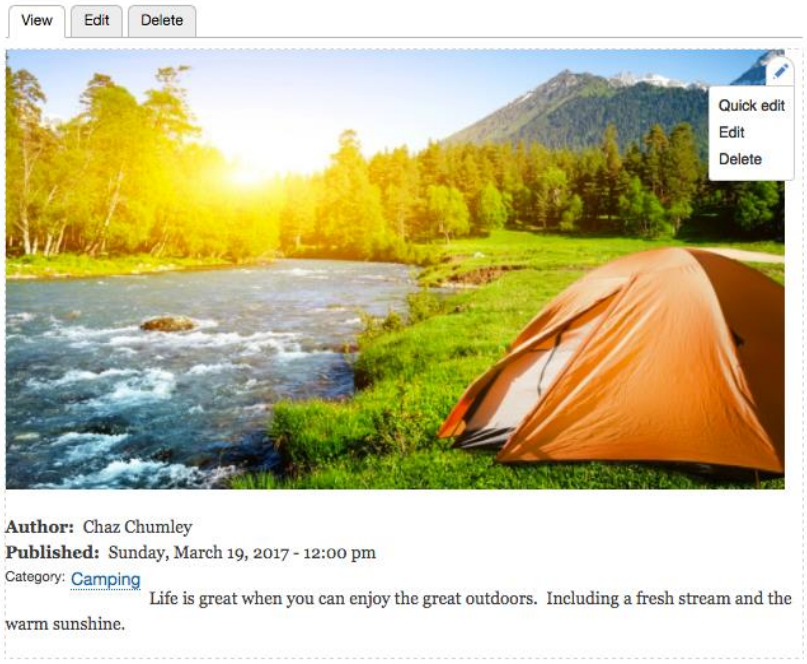
Home » Administration » Configuration » Media » Image styles

Image style name *

Black and White Machine name: black_and_white [Edit]

Create new style


EFFECT
OPERATIONS
Desaturate
Add
Preview
original (view actual size)
600px
800px
Black and White (view actual size)
600px
800px
Image style name *
Black and White
Machine name: black_and_white [Edit]
Show row weights
EFFECT
OPERATIONS
Desaturate
Delete
Select a new effect
Add
Update style
Delete


Post One
View
Edit
Delete
Quick edit
Edit
Delete
Author: Chaz Chumley
Published: Sunday, March 19, 2017 - 12:00 pm
Category: Camping
Life is great when you can enjoy the great outdoors. Including a fresh stream and the warm sunshine.

Title → Post One

Post One

View | Edit | Delete | Revisions

Author: Chaz Chumley

Published: Sunday, March 19, 2017 - 12:00 pm

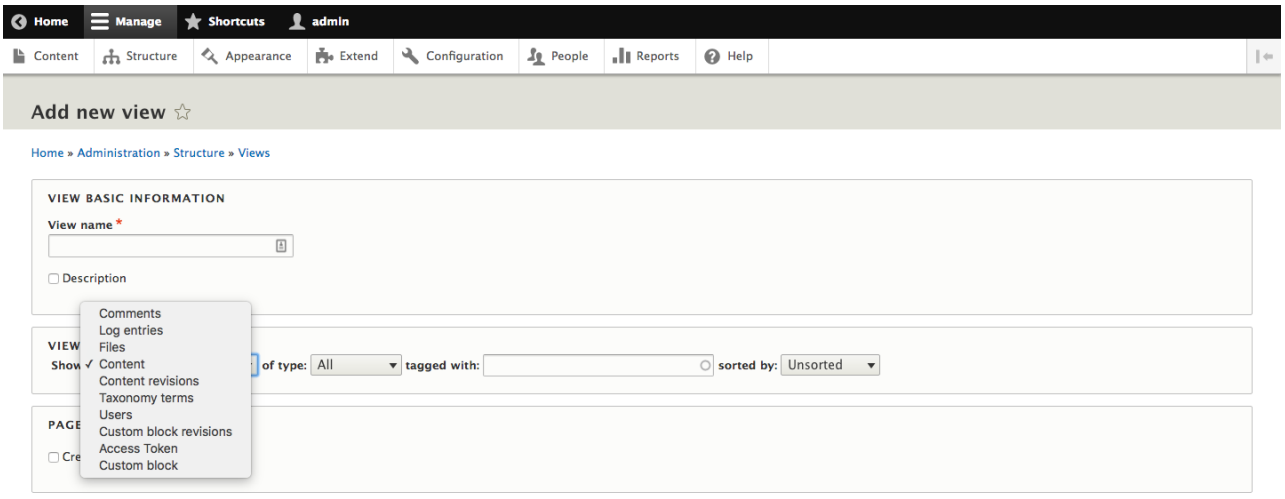
Category: Camping

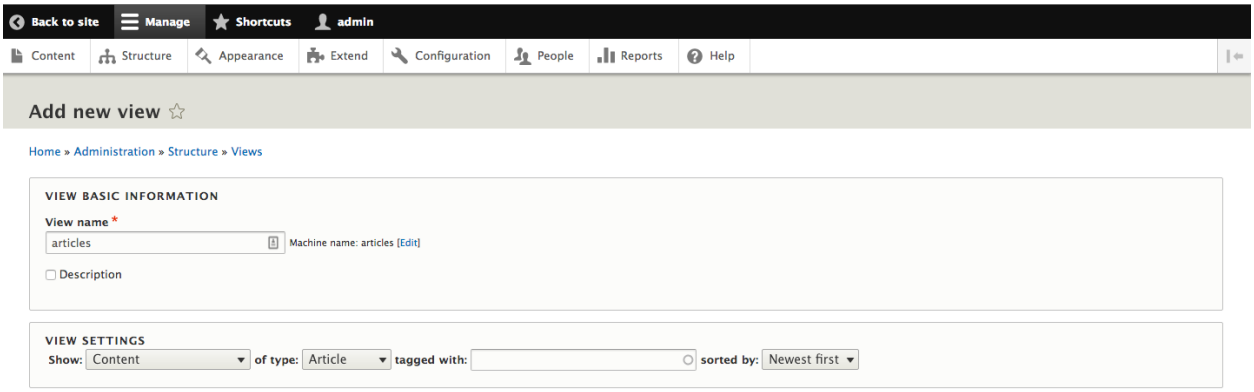
Life is great when you can enjoy the great outdoors. Including a fresh stream and the warm sunshine.

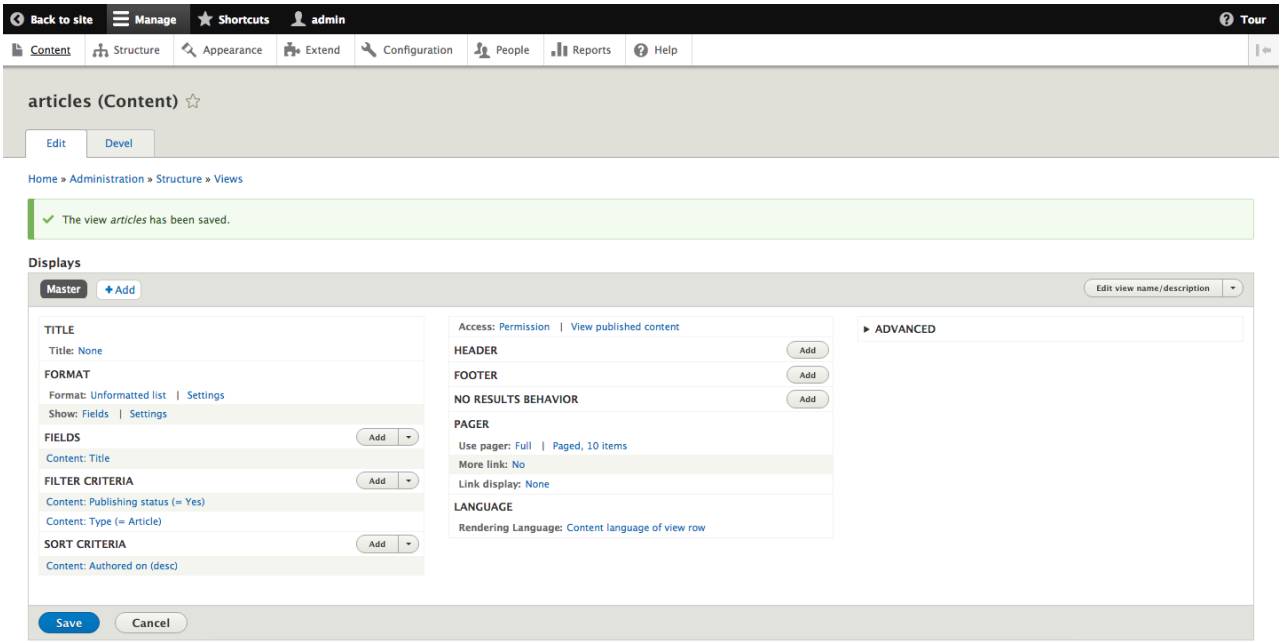
Title → Post One Save

Camping in the Wilderness

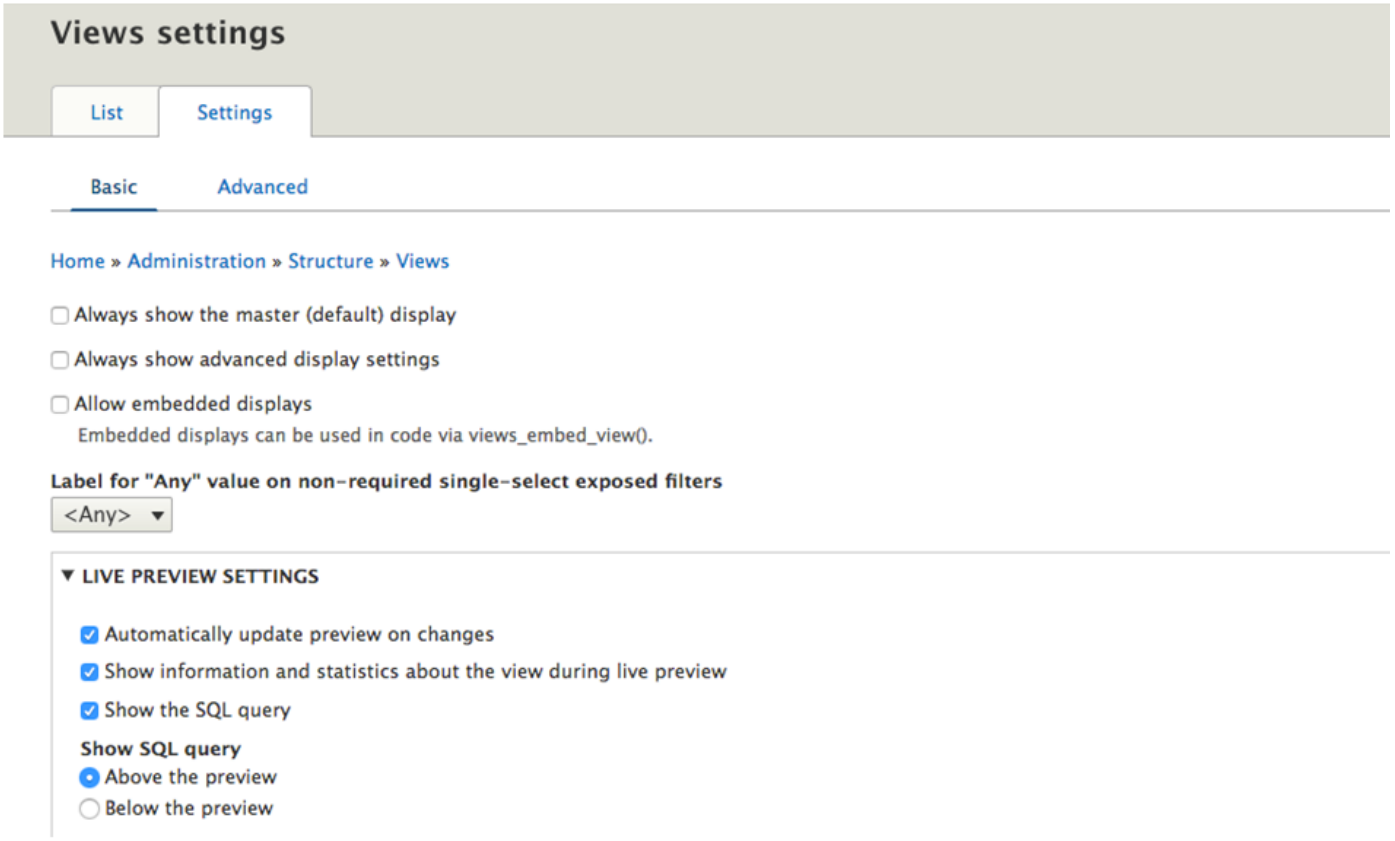
Chapter 7: Understanding Views

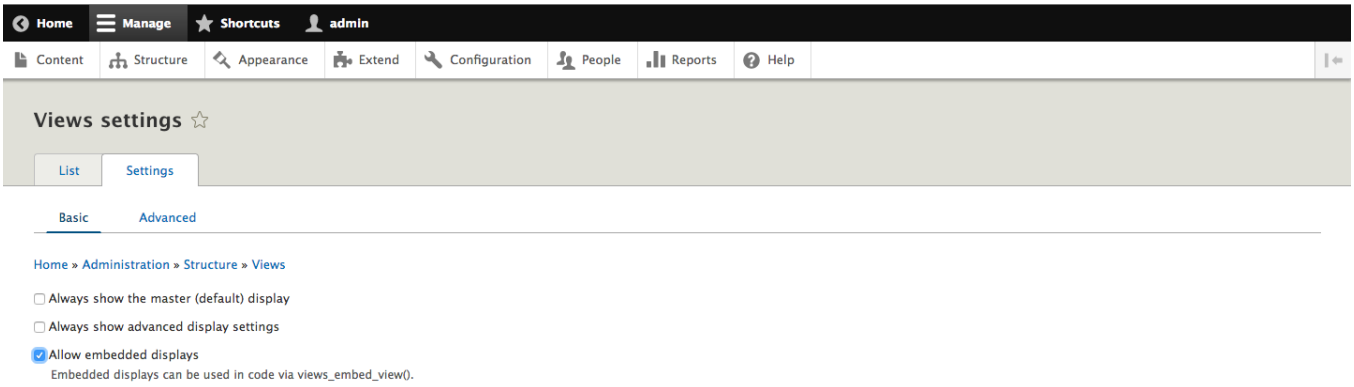


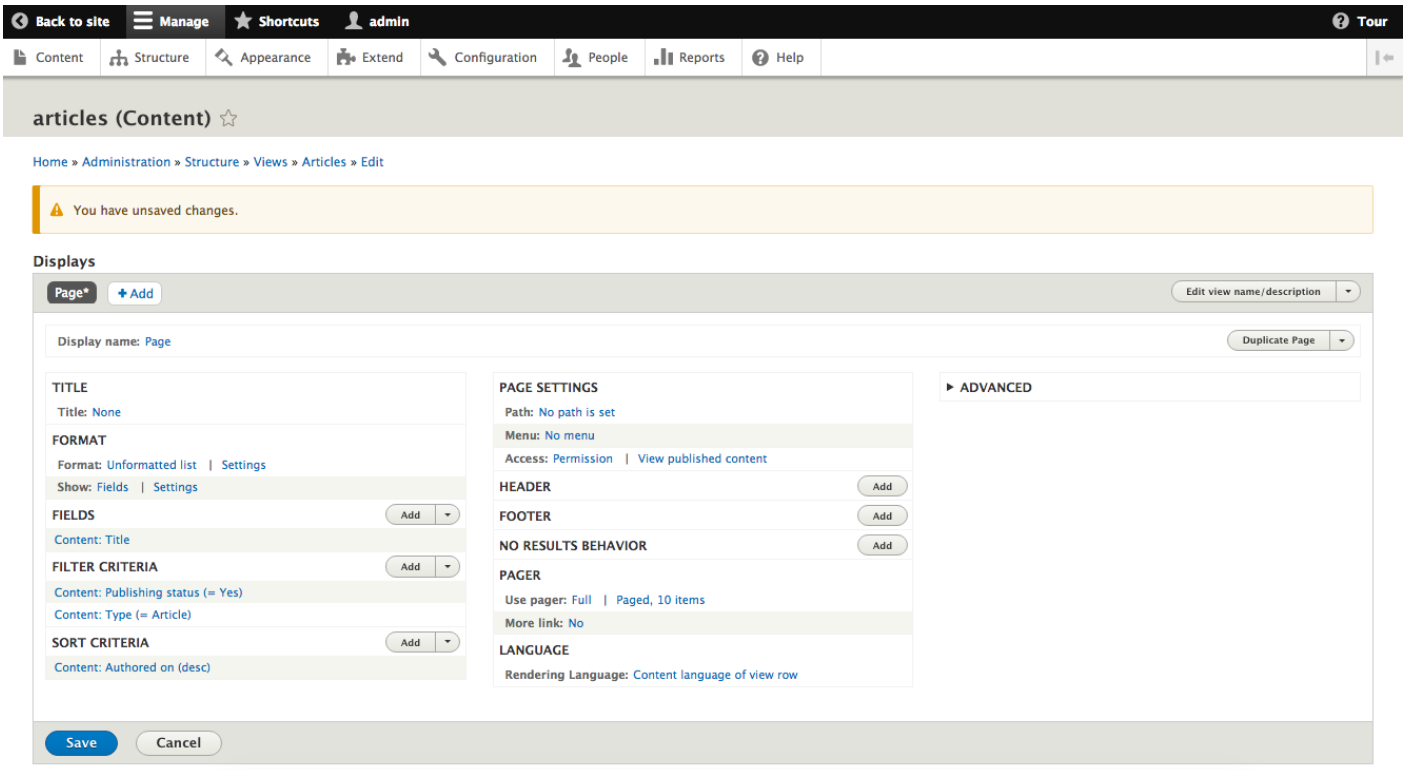


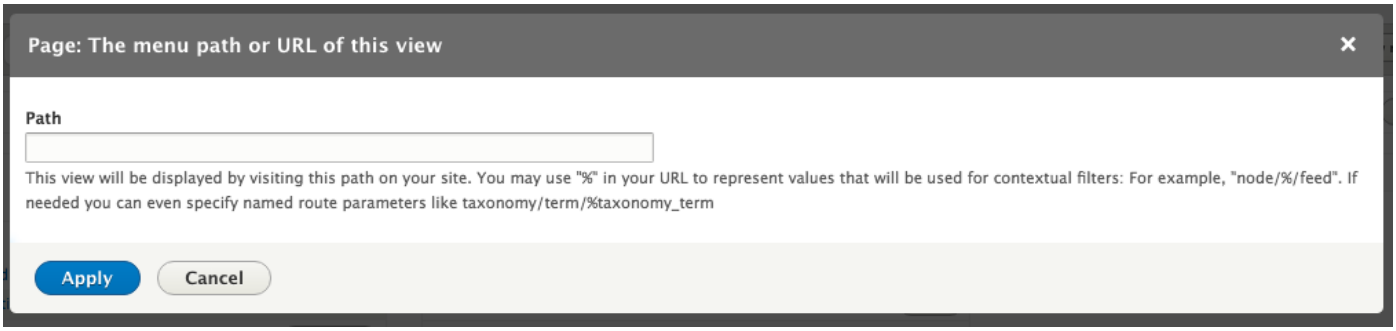

Back to site
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
articles (Content)
Edit
Devel
Home » Administration » Structure » Views
The view articles has been saved.
Displays
Master
+ Add
Edit view name/description
TITLE
Title: None
FORMAT
Format: Unformatted list | Settings
Show: Fields | Settings
FIELDS
Add
Content: Title
FILTER CRITERIA
Add
Content: Publishing status (= Yes)
Content: Type (= Article)
SORT CRITERIA
Add
Content: Authored on (desc)
Access: Permission | View published content
HEADER
Add
FOOTER
Add
NO RESULTS BEHAVIOR
Add
PAGER
Use pager: Full | Paged, 10 items
More link: No
Link display: None
LANGUAGE
Rendering Language: Content language of view row
ADVANCED
Save
Cancel

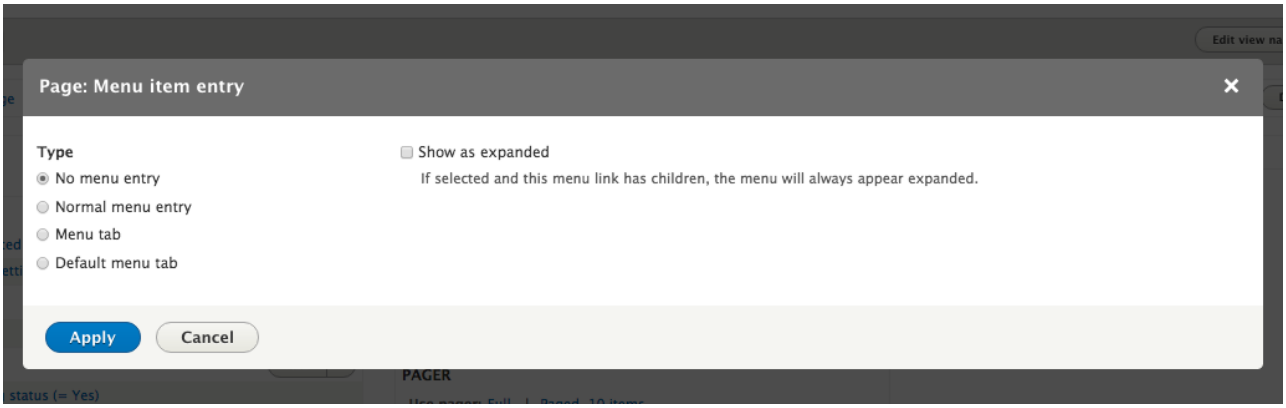
Preview
Auto preview
Preview with contextual filters:
Update preview
Separate contextual filter values with a "/". For example, 40/12/10.
Query
SELECT node_field_data.langcode AS node_field_data_langcode, node_field_data.created AS node_field_data_created, node_field_data.nid AS nid
FROM
{node_field_data} node_field_data
WHERE (((node_field_data.status = '1') AND (node_field_data.type IN ('article'))))
ORDER BY node_field_data_created DESC
LIMIT 10 OFFSET 0
Title
Path
This display has no path.
Query build time
36.67 ms
Query execute time
7.49 ms
View render time
142.81 ms
Title
Content
Test
Pager

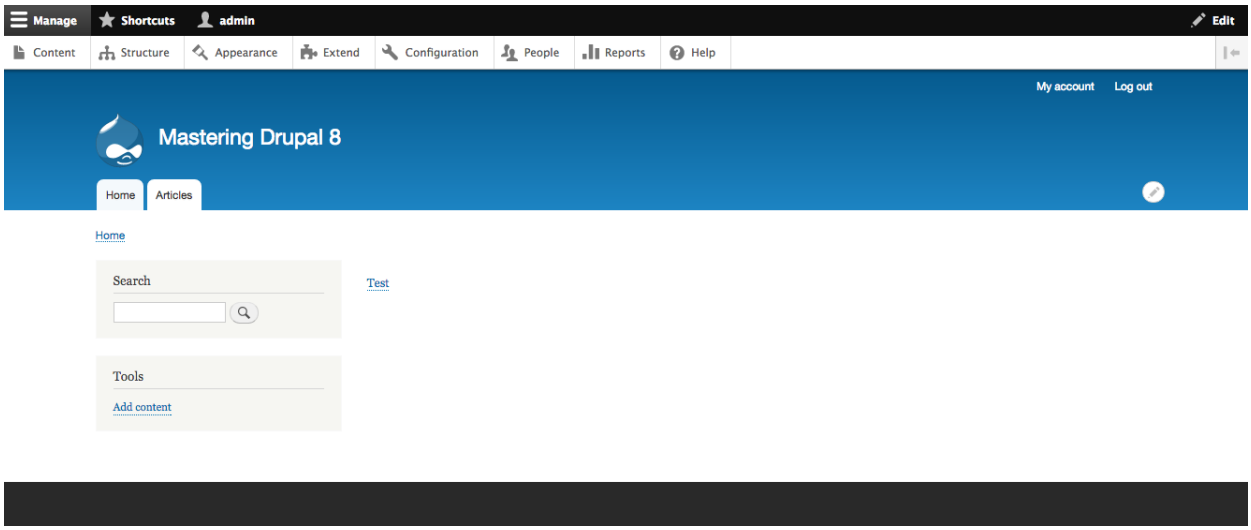

Views settings
List
Settings
Basic
Advanced
Home » Administration » Structure » Views
Always show the master (default) display
Always show advanced display settings
Allow embedded displays
Embedded displays can be used in code via views_embed_view().
Label for "Any" value on non-required single-select exposed filters
<Any>
LIVE PREVIEW SETTINGS
Automatically update preview on changes
Show information and statistics about the view during live preview
Show the SQL query
Show SQL query
Above the preview
Below the preview

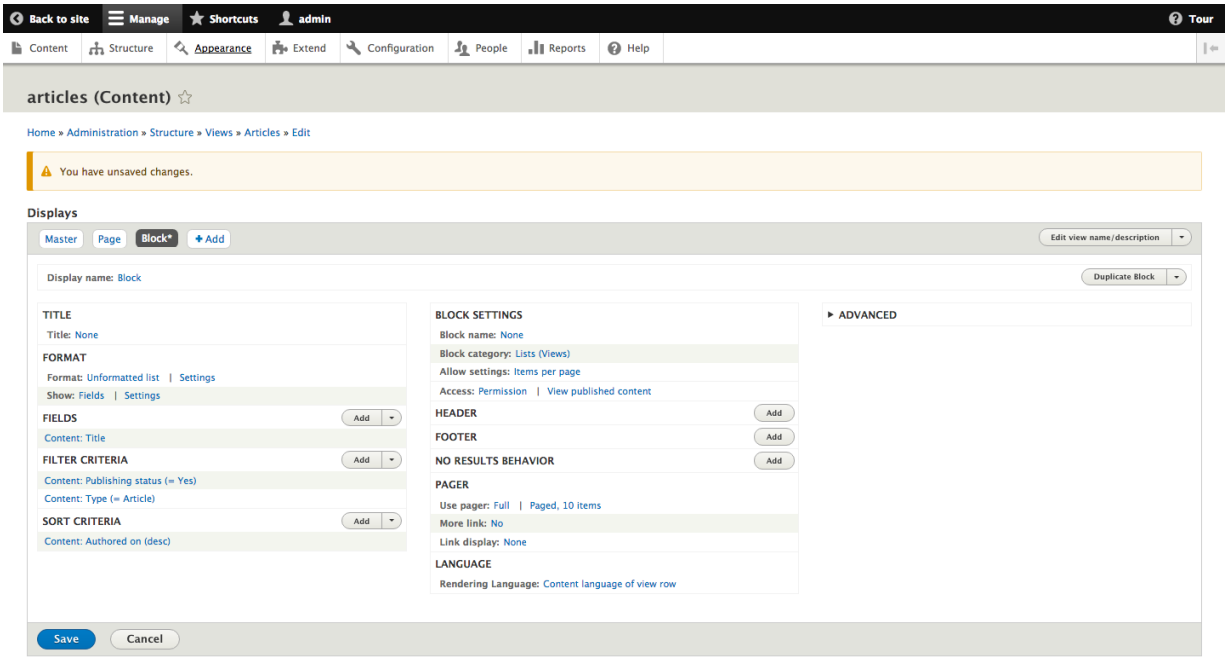

Home
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Views settings
List
Settings
Basic
Advanced
Home » Administration » Structure » Views
Always show the master (default) display
Always show advanced display settings
Allow embedded displays
Embedded displays can be used in code via views_embed_view().

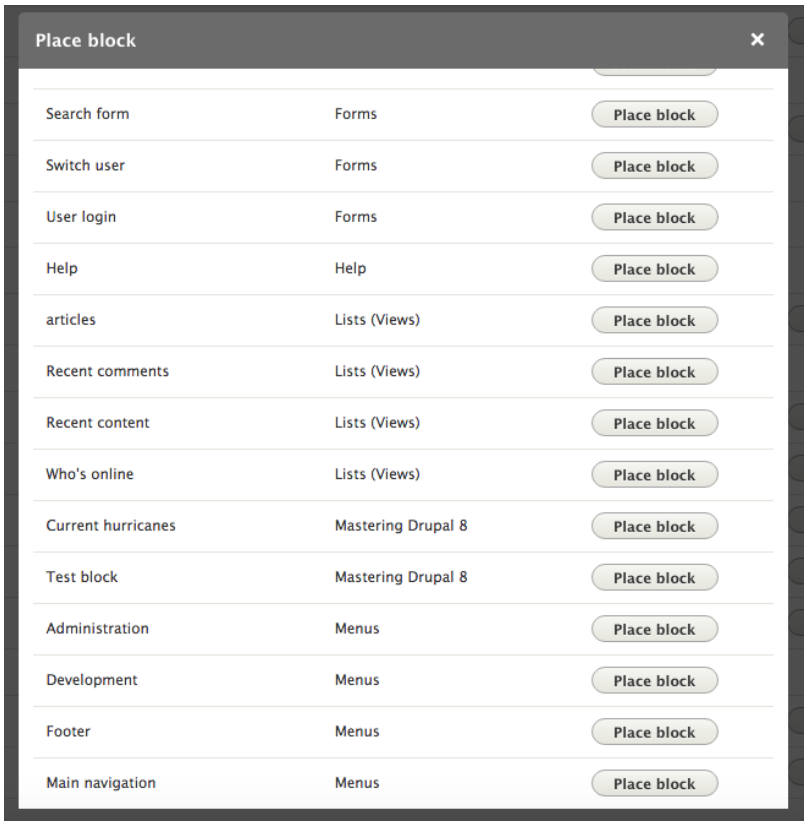

Back to site
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
articles (Content)
Home » Administration » Structure » Views » Articles » Edit
You have unsaved changes.
Displays
Page*
+ Add
Edit view name/description
Display name: Page
Duplicate Page
TITLE
Title: None
FORMAT
Format: Unformatted list | Settings
Show: Fields | Settings
FIELDS
Add
Content: Title
FILTER CRITERIA
Add
Content: Publishing status (= Yes)
Content: Type (= Article)
SORT CRITERIA
Add
Content: Authored on (desc)
PAGE SETTINGS
Path: No path is set
Menu: No menu
Access: Permission | View published content
HEADER
Add
FOOTER
Add
NO RESULTS BEHAVIOR
Add
PAGER
Use pager: Full | Paged, 10 items
More link: No
LANGUAGE
Rendering Language: Content language of view row
ADVANCED
Save
Cancel

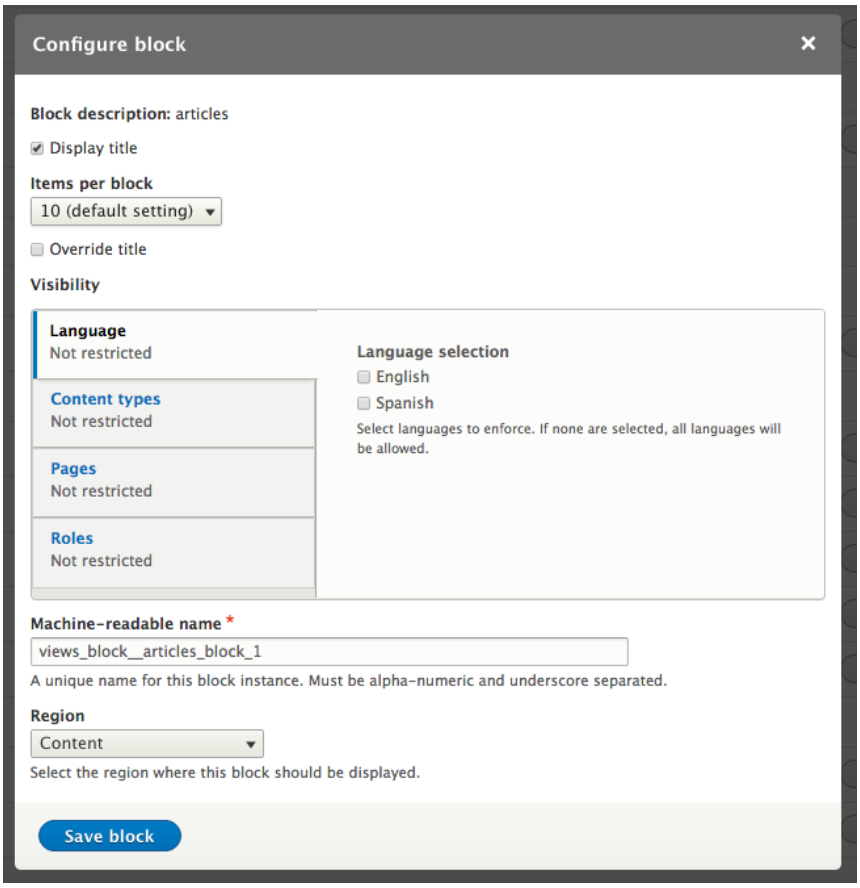

Page: The menu path or URL of this view
Path
This view will be displayed by visiting this path on your site. You may use "%" in your URL to represent values that will be used for contextual filters: For example, "node/%/feed". If needed you can even specify named route parameters like taxonomy/term/%taxonomy_term
Apply
Cancel

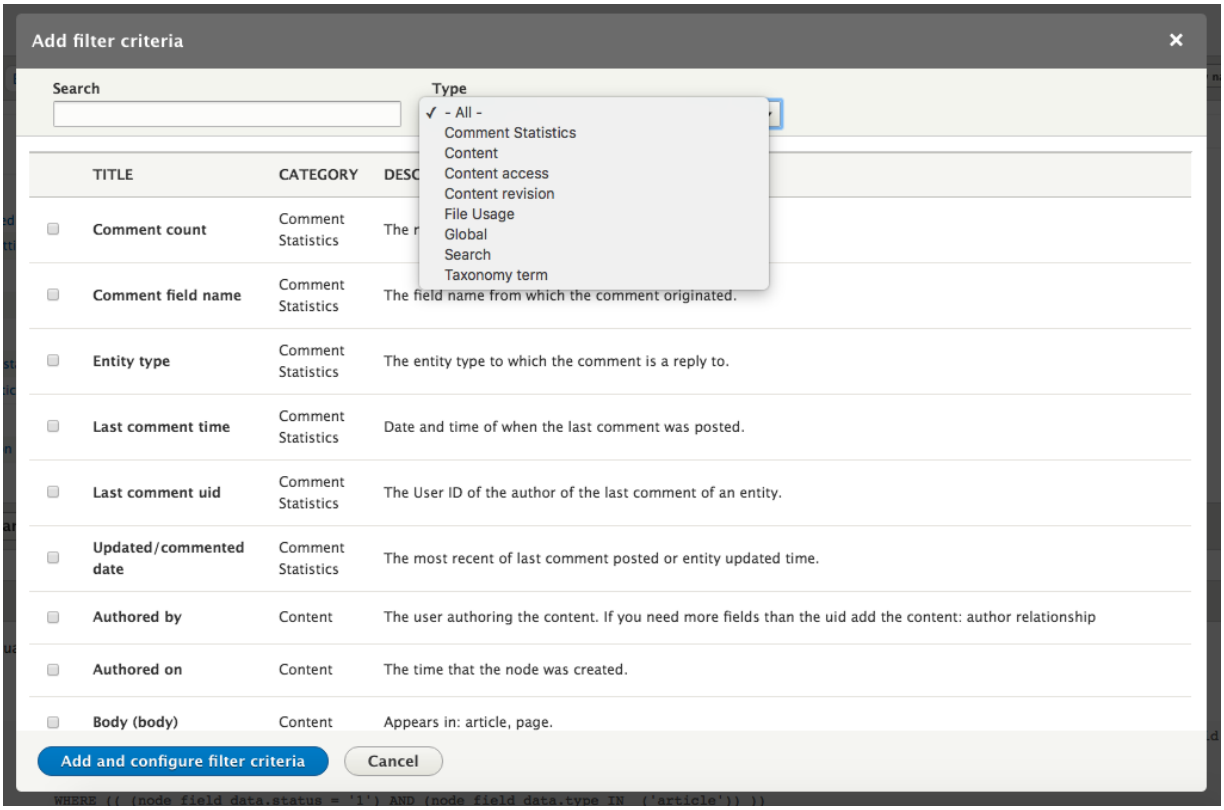

Page: Menu item entry
Type
No menu entry
Normal menu entry
Menu tab
Default menu tab
Show as expanded
If selected and this menu link has children, the menu will always appear expanded.
Apply
Cancel
PAGER

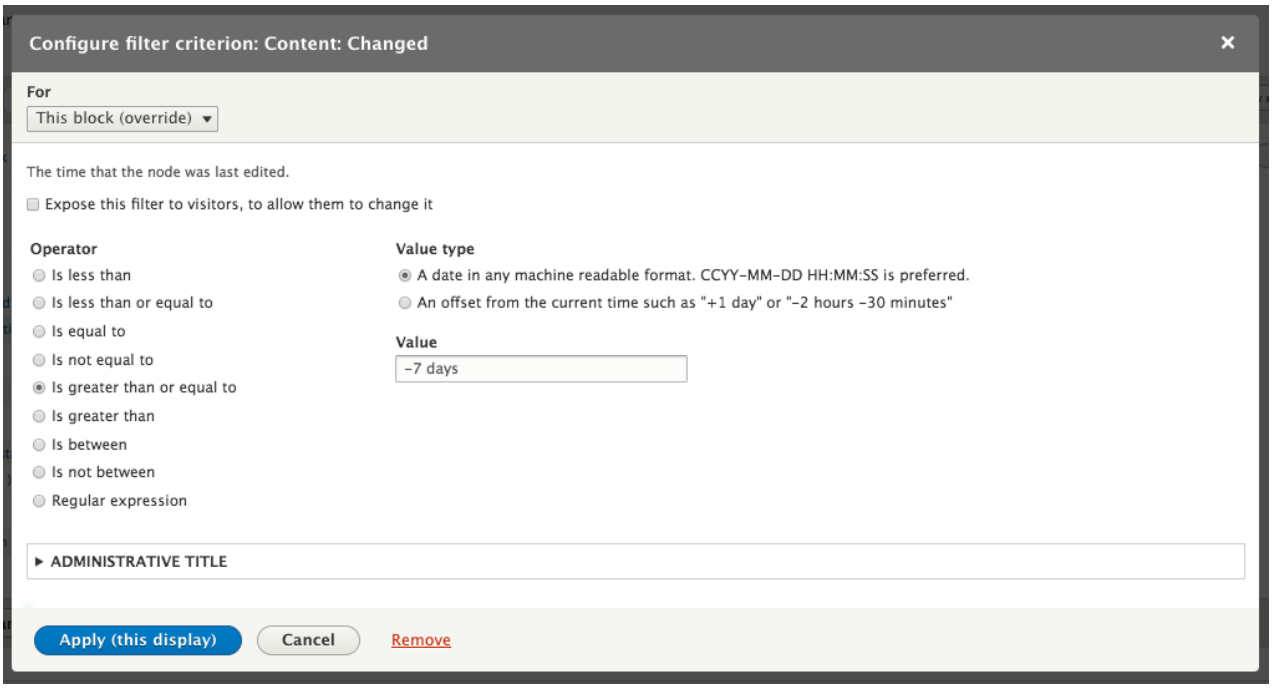

Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Articles
Home
Search
Test
Tools
Add content

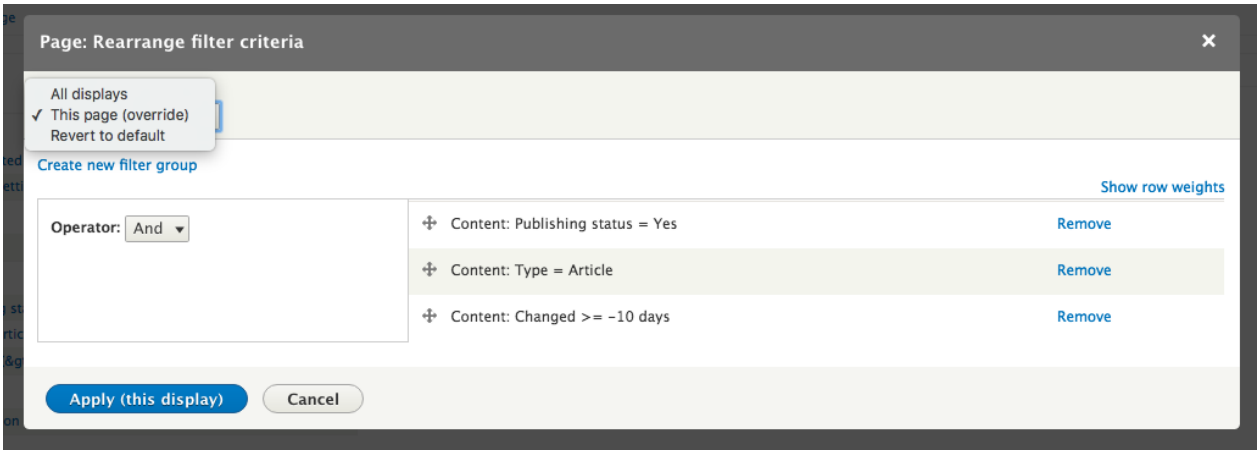

Back to site
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
articles (Content)
Home » Administration » Structure » Views » Articles » Edit
You have unsaved changes.
Displays
Master
Page
Block*
+ Add
Edit view name/description
Display name: Block
Duplicate Block
TITLE
Title: None
FORMAT
Format: Unformatted list | Settings
Show: Fields | Settings
FIELDS
Add
Content: Title
FILTER CRITERIA
Add
Content: Publishing status (= Yes)
Content: Type (= Article)
SORT CRITERIA
Add
Content: Authored on (desc)
BLOCK SETTINGS
Block name: None
Block category: Lists (Views)
Allow settings: Items per page
Access: Permission | View published content
HEADER
Add
FOOTER
Add
NO RESULTS BEHAVIOR
Add
PAGER
Use pager: Full | Paged, 10 items
More link: No
Link display: None
LANGUAGE
Rendering Language: Content language of view row
ADVANCED
Save
Cancel

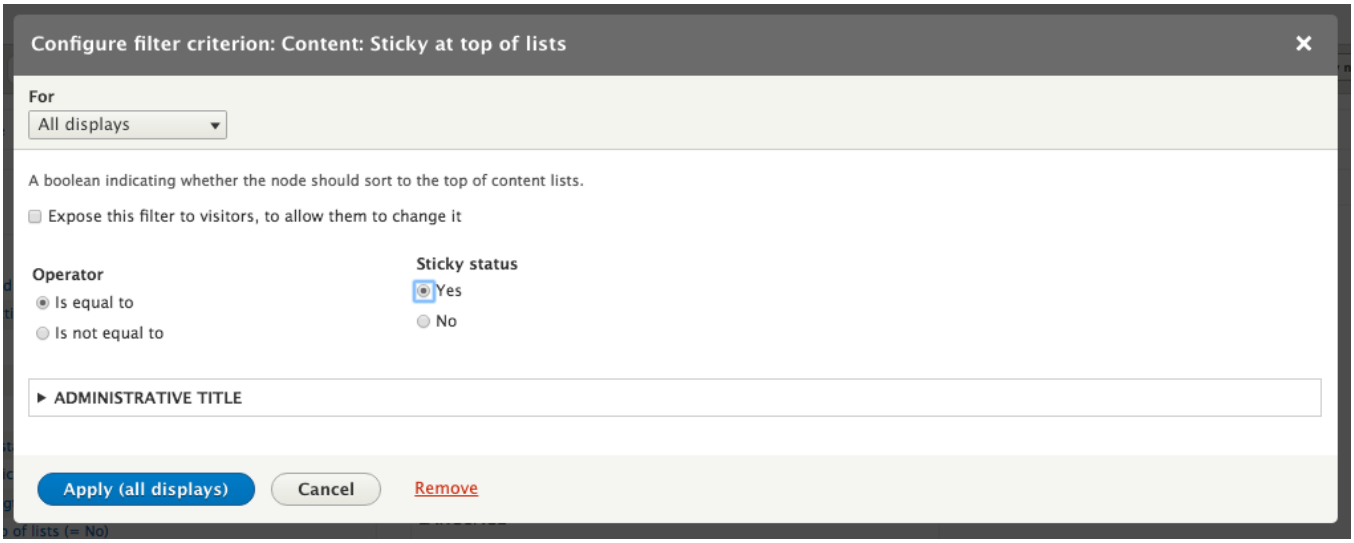

Place block
Search form
Forms
Place block
Switch user
Forms
Place block
User login
Forms
Place block
Help
Help
Place block
articles
Lists (Views)
Place block
Recent comments
Lists (Views)
Place block
Recent content
Lists (Views)
Place block
Who's online
Lists (Views)
Place block
Current hurricanes
Mastering Drupal 8
Place block
Test block
Mastering Drupal 8
Place block
Administration
Menus
Place block
Development
Menus
Place block
Footer
Menus
Place block
Main navigation
Menus
Place block

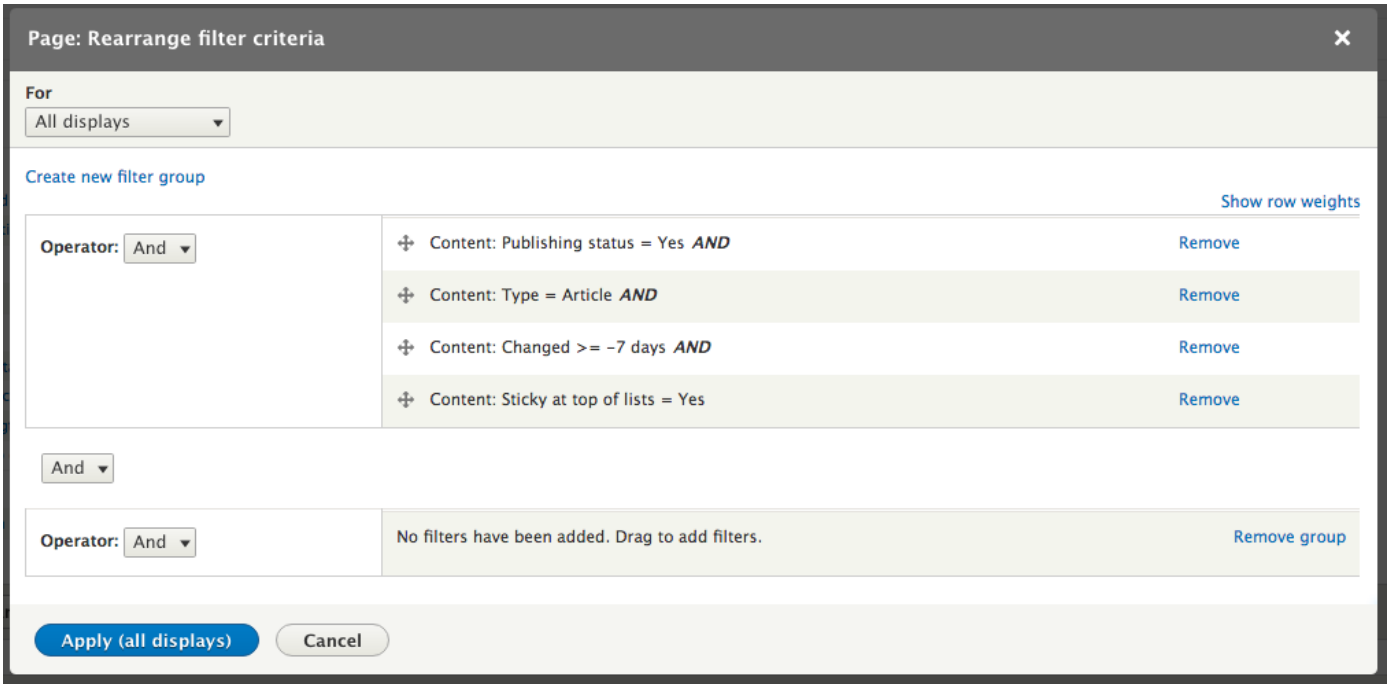

Configure block
Block description: articles
Display title
Items per block
10 (default setting)
Override title
Visibility
Language
Not restricted
Content types
Not restricted
Pages
Not restricted
Roles
Not restricted
Language selection
English
Spanish
Select languages to enforce. If none are selected, all languages will be allowed.
Machine-readable name *
views_block__articles_block_1
A unique name for this block instance. Must be alpha-numeric and underscore separated.
Region
Content
Select the region where this block should be displayed.
Save block

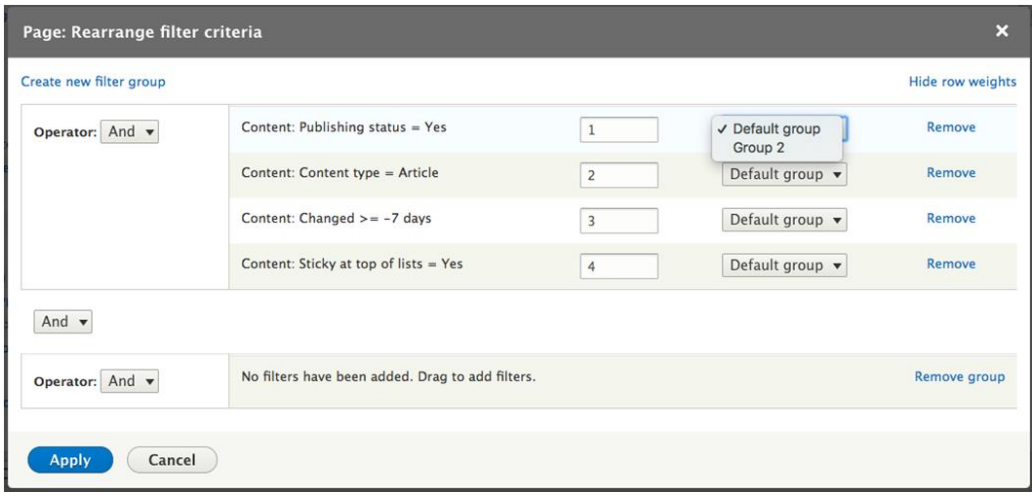

Add filter criteria
Search
Type
- All -
Comment Statistics
Content
Content access
Content revision
File Usage
Global
Search
Taxonomy term
TITLE
CATEGORY
DESC
Comment count
Comment Statistics
Comment field name
Comment Statistics
The field name from which the comment originated.
Entity type
Comment Statistics
The entity type to which the comment is a reply to.
Last comment time
Comment Statistics
Date and time of when the last comment was posted.
Last comment uid
Comment Statistics
The User ID of the author of the last comment of an entity.
Updated/commented date
Comment Statistics
The most recent of last comment posted or entity updated time.
Authored by
Content
The user authoring the content. If you need more fields than the uid add the content: author relationship
Authored on
Content
The time that the node was created.
Body (body)
Content
Appears in: article, page.
Add and configure filter criteria
Cancel

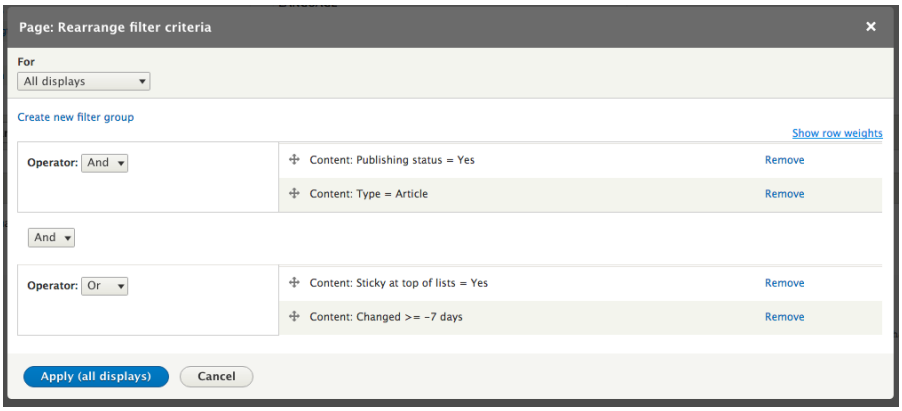

Configure filter criterion: Content: Changed
For
This block (override)
The time that the node was last edited.
Expose this filter to visitors, to allow them to change it
Operator
Is less than
Is less than or equal to
Is equal to
Is not equal to
Is greater than or equal to
Is greater than
Is between
Is not between
Regular expression
Value type
A date in any machine readable format. CCYY-MM-DD HH:MM:SS is preferred.
An offset from the current time such as "+1 day" or "-2 hours -30 minutes"
Value
-7 days
ADMINISTRATIVE TITLE
Apply (this display)
Cancel
Remove

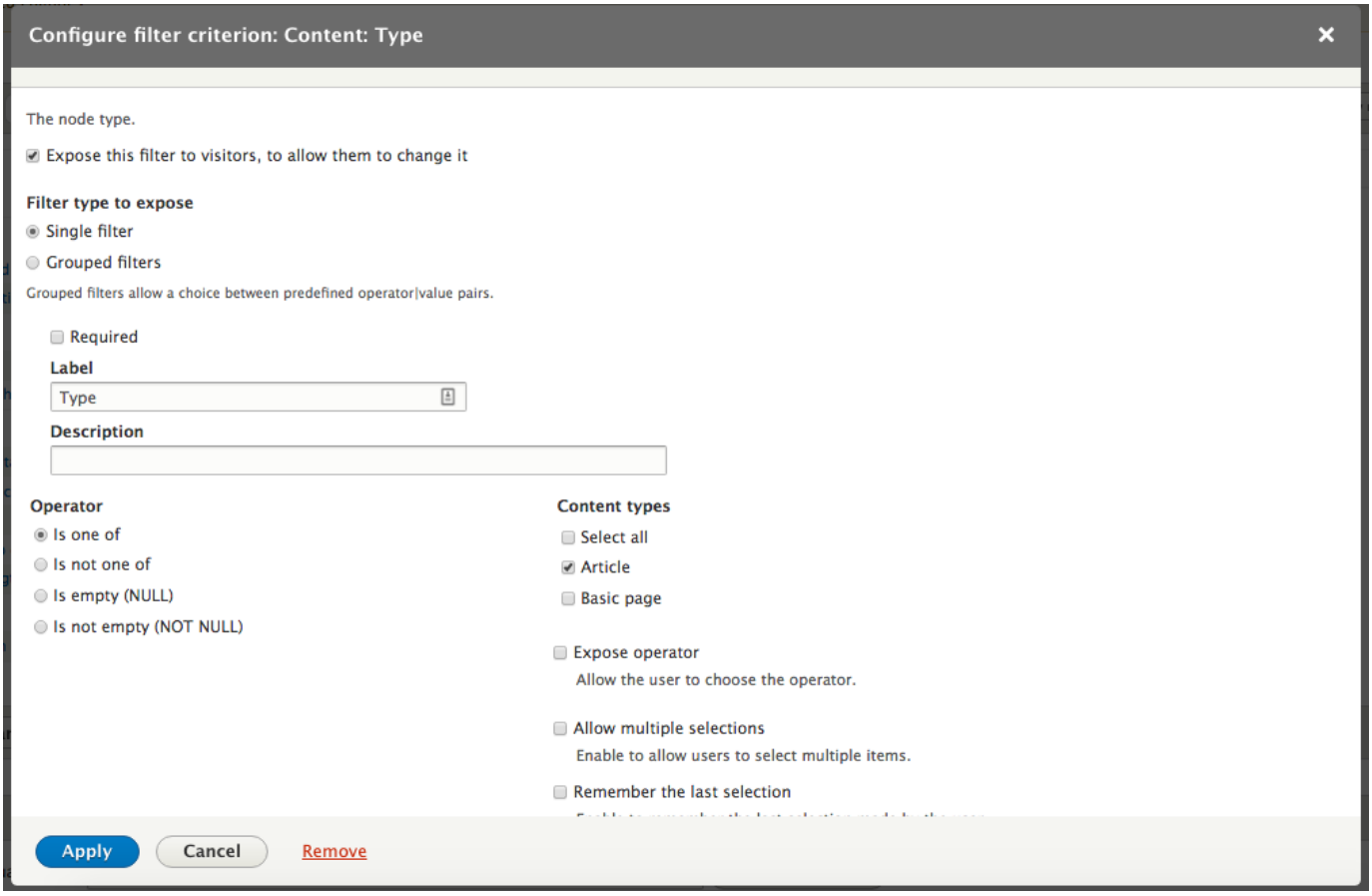

Page: Rearrange filter criteria
All displays
This page (override)
Revert to default
Create new filter group
Show row weights
Operator: And
Content: Publishing status = Yes
Remove
Content: Type = Article
Remove
Content: Changed >= -10 days
Remove
Apply (this display)
Cancel

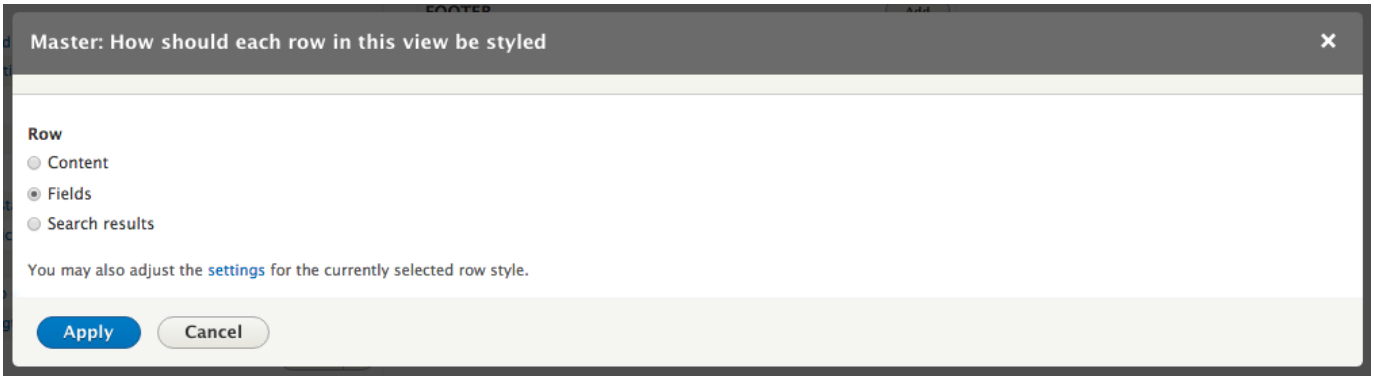

Configure filter criterion: Content: Sticky at top of lists
For
All displays
A boolean indicating whether the node should sort to the top of content lists.
Expose this filter to visitors, to allow them to change it
Operator
Is equal to
Is not equal to
Sticky status
Yes
No
ADMINISTRATIVE TITLE
Apply (all displays)
Cancel
Remove

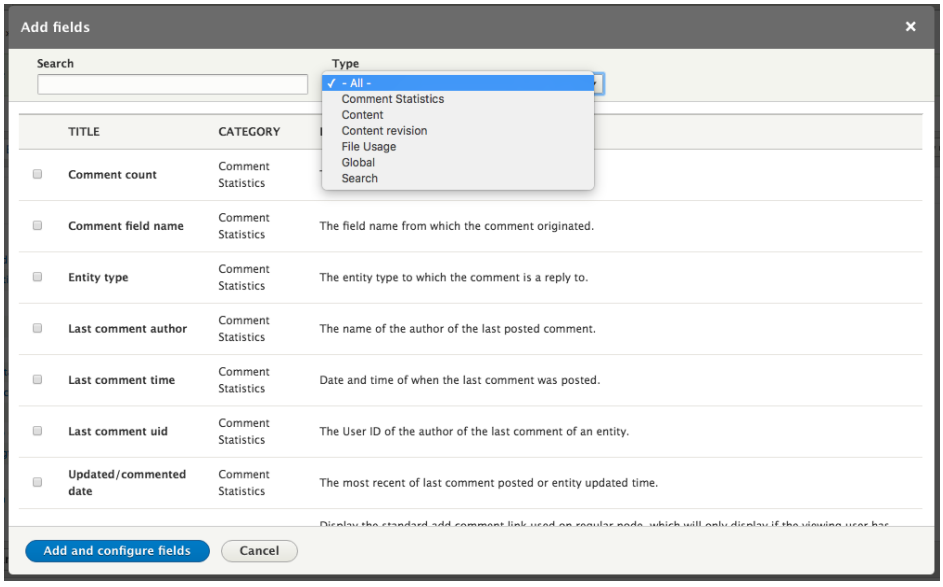

Page: Rearrange filter criteria
For
All displays
Create new filter group
Show row weights
Operator: And
Content: Publishing status = Yes AND
Remove
Content: Type = Article AND
Remove
Content: Changed >= -7 days AND
Remove
Content: Sticky at top of lists = Yes
Remove
And
Operator: And
No filters have been added. Drag to add filters.
Remove group
Apply (all displays)
Cancel

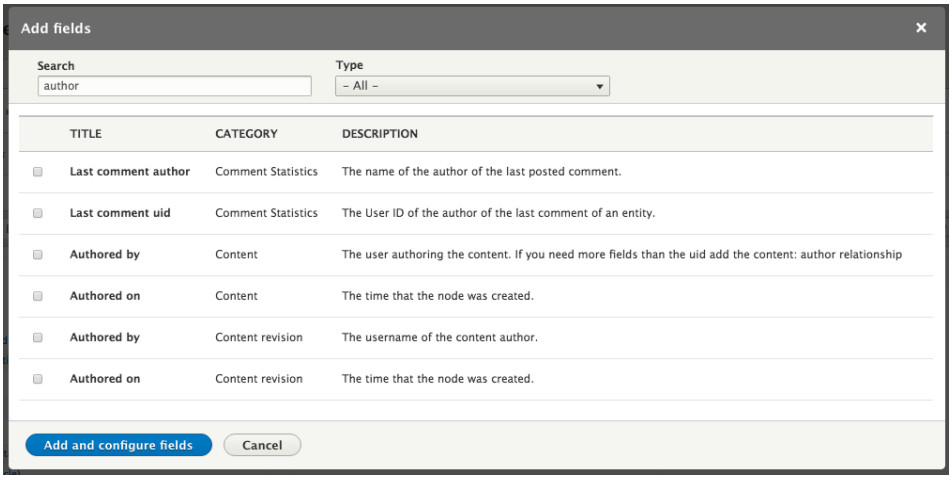

Page: Rearrange filter criteria
Create new filter group
Hide row weights
Operator: And
Content: Publishing status = Yes
1
Default group
Group 2
Remove
Content: Content type = Article
2
Default group
Remove
Content: Changed >= -7 days
3
Default group
Remove
Content: Sticky at top of lists = Yes
4
Default group
Remove
And
Operator: And
No filters have been added. Drag to add filters.
Remove group
Apply
Cancel

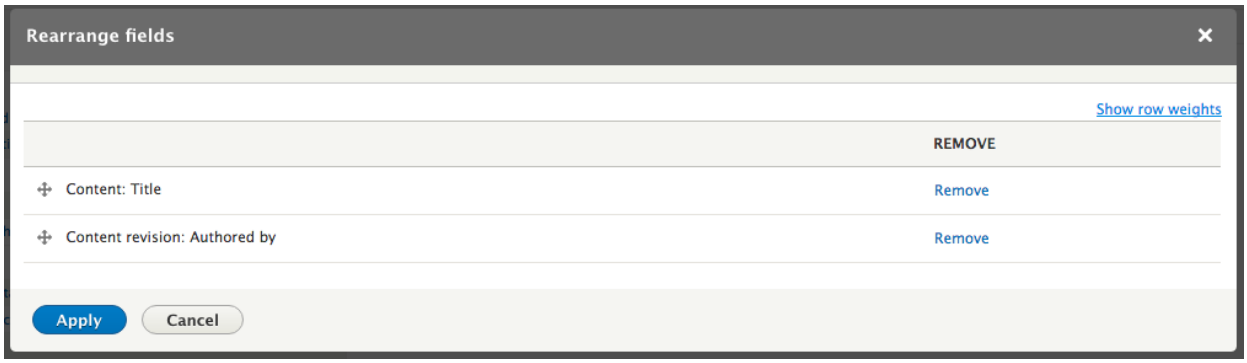

Page: Rearrange filter criteria
For
All displays
Create new filter group
Show row weights
Operator: And
Content: Publishing status = Yes
Remove
Content: Type = Article
Remove
And
Operator: Or
Content: Sticky at top of lists = Yes
Remove
Content: Changed >= -7 days
Remove
Apply (all displays)
Cancel


Configure filter criterion: Content: Type
The node type.
Expose this filter to visitors, to allow them to change it
Filter type to expose
Single filter
Grouped filters
Grouped filters allow a choice between predefined operator|value pairs.
Required
Label
Type
Description
Operator
Is one of
Is not one of
Is empty (NULL)
Is not empty (NOT NULL)
Content types
Select all
Article
Basic page
Expose operator
Allow the user to choose the operator.
Allow multiple selections
Enable to allow users to select multiple items.
Remember the last selection
Apply
Cancel
Remove


Master: How should each row in this view be styled
Row
Content
Fields
Search results
You may also adjust the settings for the currently selected row style.
Apply
Cancel


Add fields
Search
Type
- All -
Comment Statistics
Content
Content revision
File Usage
Global
Search
TITLE
CATEGORY
Comment count
Comment Statistics
Comment field name
Comment Statistics
The field name from which the comment originated.
Entity type
Comment Statistics
The entity type to which the comment is a reply to.
Last comment author
Comment Statistics
The name of the author of the last posted comment.
Last comment time
Comment Statistics
Date and time of when the last comment was posted.
Last comment uid
Comment Statistics
The User ID of the author of the last comment of an entity.
Updated/commented date
Comment Statistics
The most recent of last comment posted or entity updated time.
Add and configure fields
Cancel


Add fields
Search
author
Type
- All -
TITLE
CATEGORY
DESCRIPTION
Last comment author
Comment Statistics
The name of the author of the last posted comment.
Last comment uid
Comment Statistics
The User ID of the author of the last comment of an entity.
Authored by
Content
The user authoring the content. If you need more fields than the uid add the content: author relationship
Authored on
Content
The time that the node was created.
Authored by
Content revision
The username of the content author.
Authored on
Content revision
The time that the node was created.
Add and configure fields
Cancel



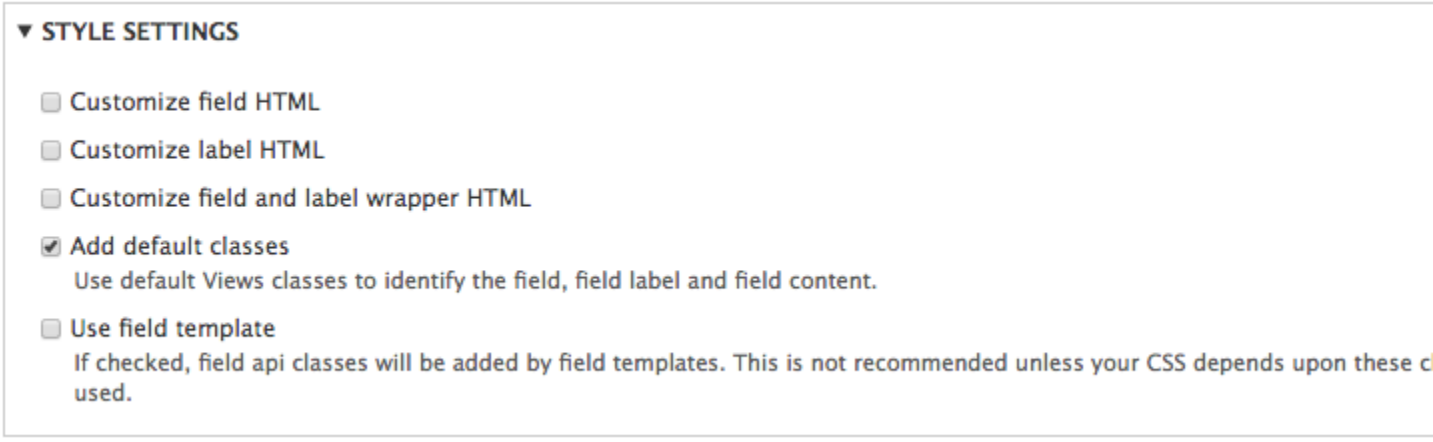
Content

Test

Submitted by admin on Sun, 03/20/2016 - 23:24

test

Read more Add new comment



▼ REWRITE RESULTS

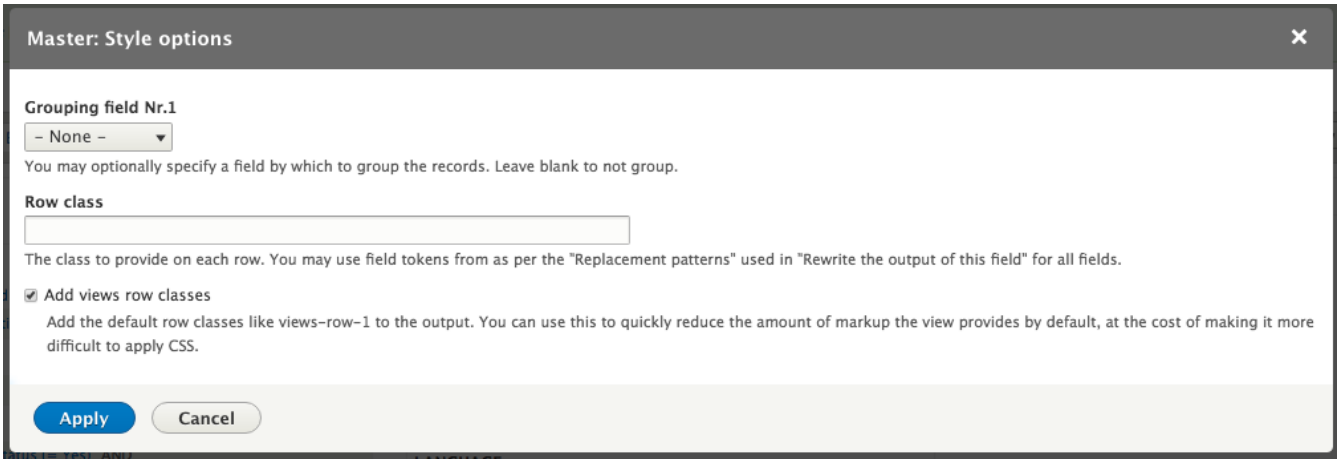
- [ ] Override the output of this field with custom text
- [ ] Output this field as a custom link
- [ ] Trim this field to a maximum number of characters
- [ ] Strip HTML tags
- [ ] Remove whitespace
- [ ] Convert newlines to HTML <br> tags

▼ NO RESULTS BEHAVIOR

No results text

Provide text to display if this field contains an empty result. You may include HTML. You may enter data from this view as per the "Replacement patterns" in the "Rewrite Results" section below.

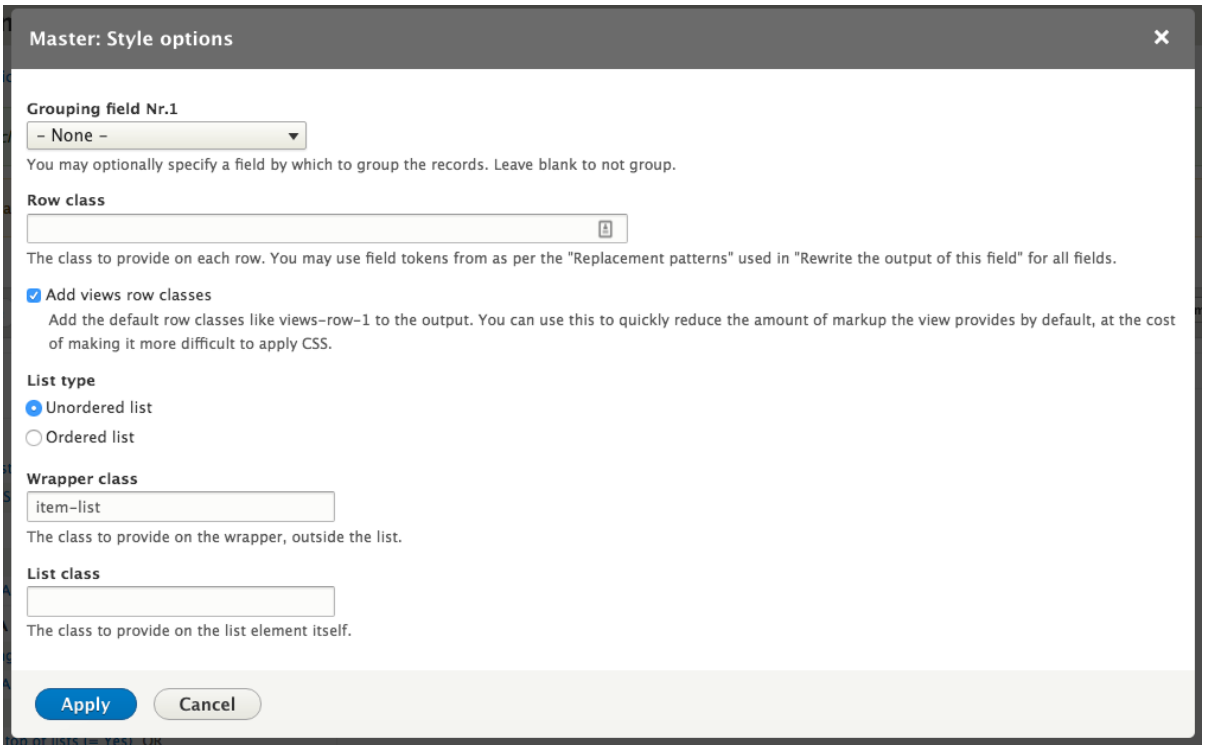
- [ ] Count the number 0 as empty
  Enable to display the "no results text" if the field contains the number 0.
- [ ] Hide if empty
  Enable to hide this field if it is empty. Note that the field label or rewritten output may still be displayed. To hide labels, check the style or row style settings for empty fields. To hide rewritten content, check the "Hide rewriting if empty" checkbox.
- [x] Hide rewriting if empty
  Do not display rewritten content if this field is empty.

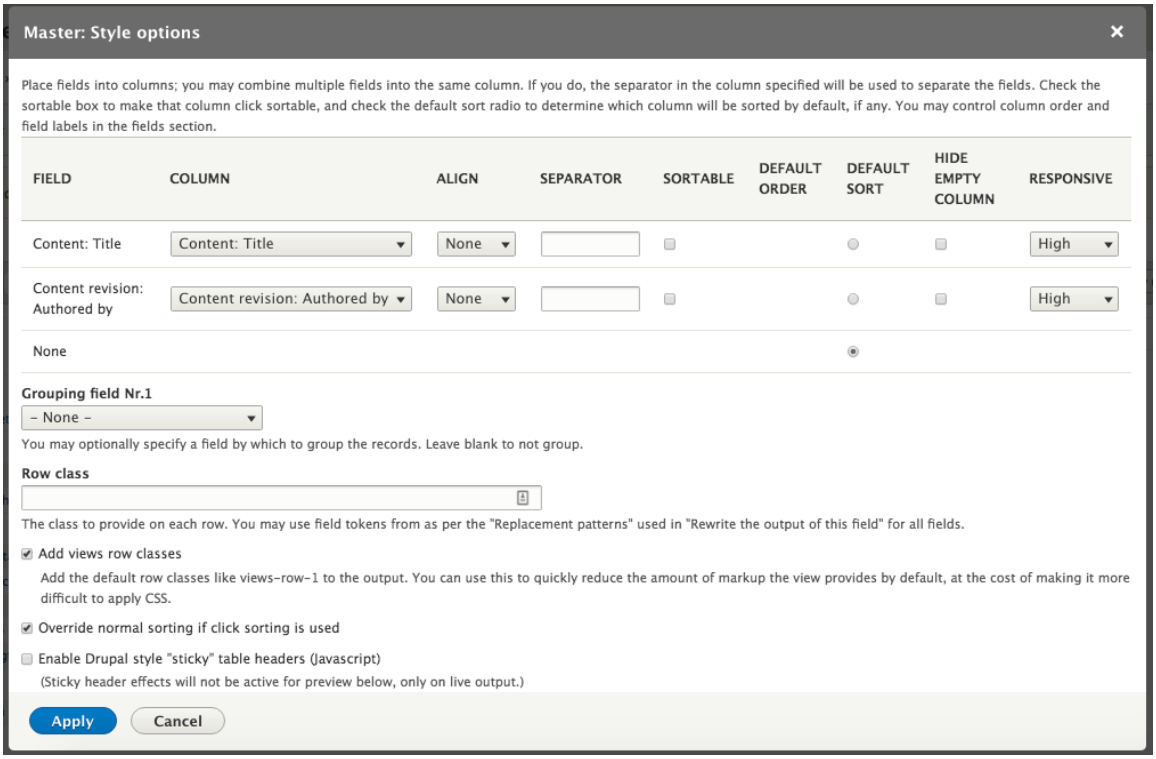


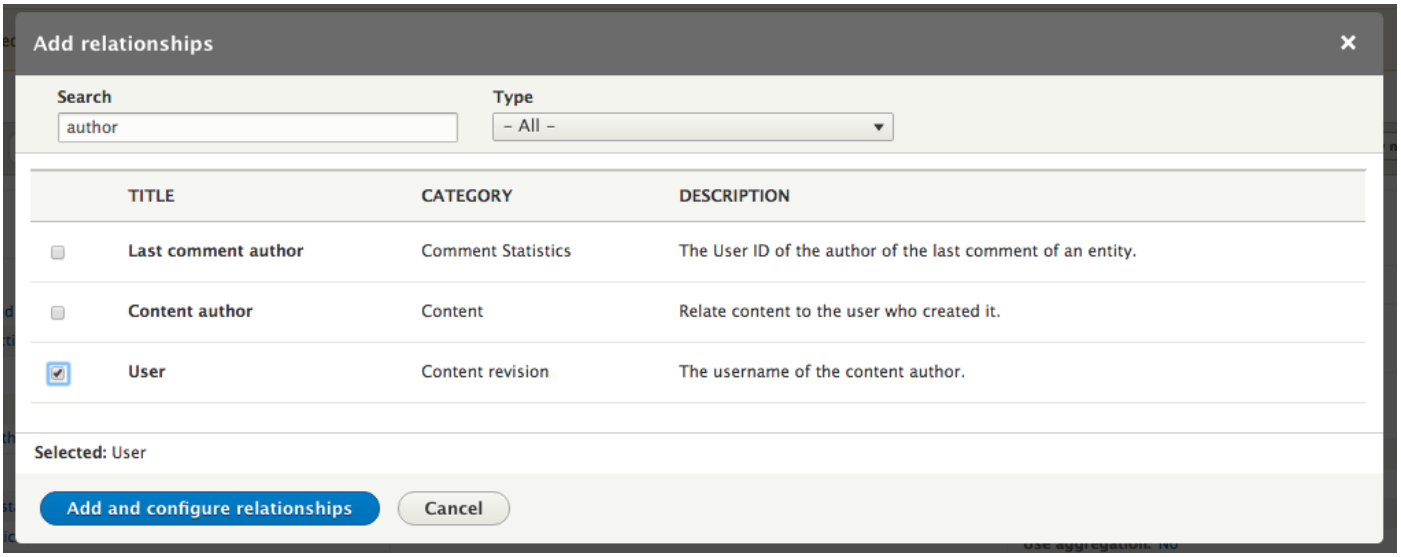
Content

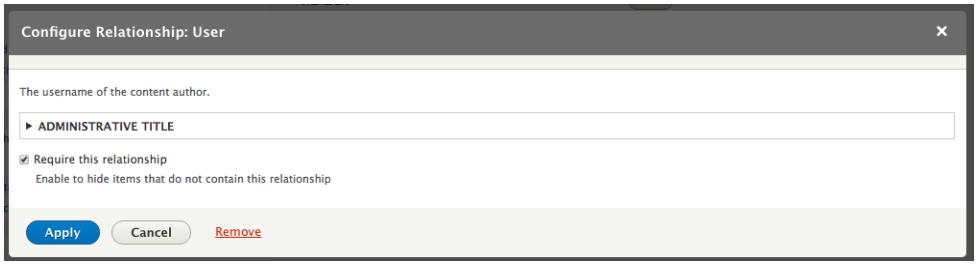
admin

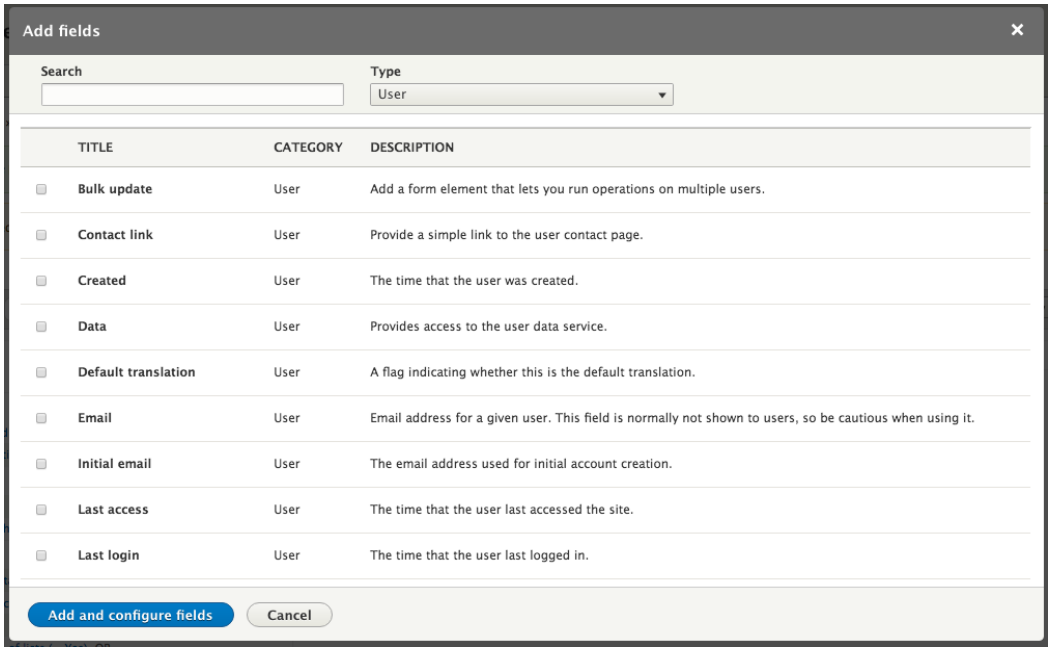
Test
admin

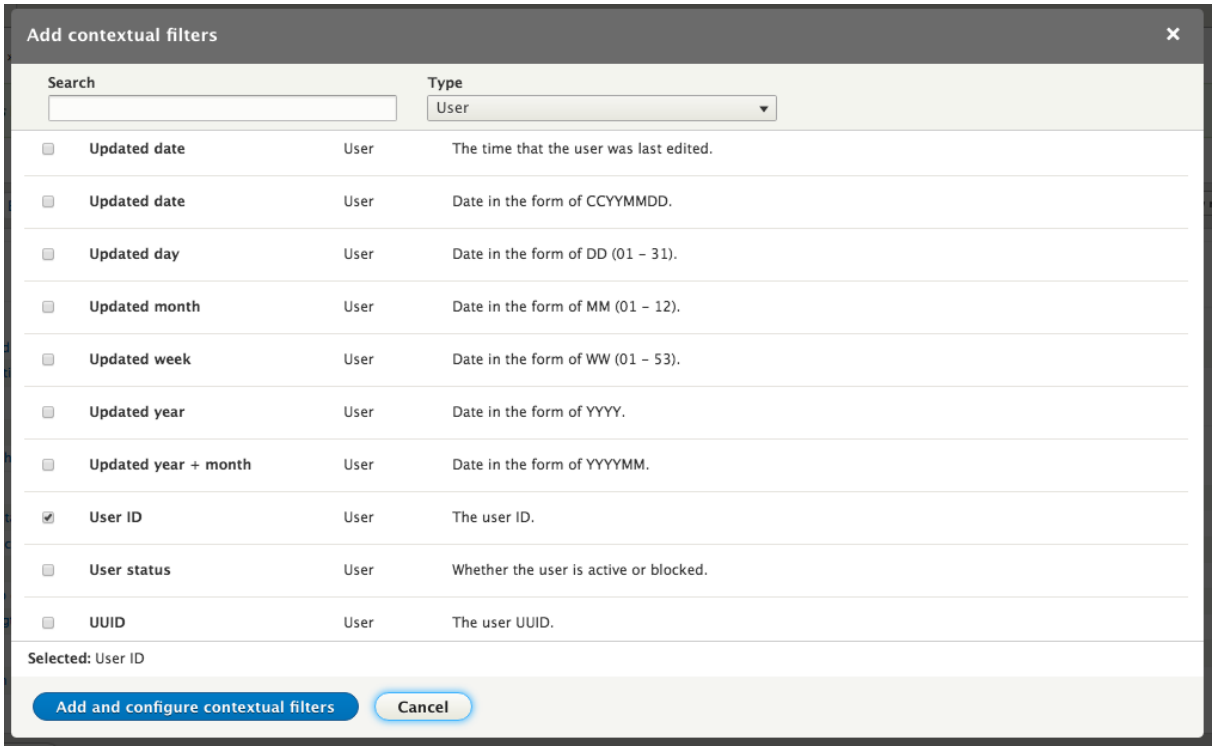

Master: Style options
Grouping field Nr.1
– None –
You may optionally specify a field by which to group the records. Leave blank to not group.
Row class
The class to provide on each row. You may use field tokens from as per the "Replacement patterns" used in "Rewrite the output of this field" for all fields.
Add views row classes
Add the default row classes like views-row-1 to the output. You can use this to quickly reduce the amount of markup the view provides by default, at the cost of making it more difficult to apply CSS.
List type
Unordered list
Ordered list
Wrapper class
item-list
The class to provide on the wrapper, outside the list.
List class
The class to provide on the list element itself.
Apply
Cancel


Master: Style options
Place fields into columns; you may combine multiple fields into the same column. If you do, the separator in the column specified will be used to separate the fields. Check the sortable box to make that column click sortable, and check the default sort radio to determine which column will be sorted by default, if any. You may control column order and field labels in the fields section.
FIELD
COLUMN
ALIGN
SEPARATOR
SORTABLE
DEFAULT ORDER
DEFAULT SORT
HIDE EMPTY COLUMN
RESPONSIVE
Content: Title
Content: Title
None
High
Content revision: Authored by
Content revision: Authored by
None
High
None
Grouping field Nr.1
– None –
You may optionally specify a field by which to group the records. Leave blank to not group.
Row class
The class to provide on each row. You may use field tokens from as per the "Replacement patterns" used in "Rewrite the output of this field" for all fields.
Add views row classes
Add the default row classes like views-row-1 to the output. You can use this to quickly reduce the amount of markup the view provides by default, at the cost of making it more difficult to apply CSS.
Override normal sorting if click sorting is used
Enable Drupal style "sticky" table headers (Javascript)
(Sticky header effects will not be active for preview below, only on live output.)
Apply
Cancel


Add relationships
Search
author
Type
– All –
TITLE
CATEGORY
DESCRIPTION
Last comment author
Comment Statistics
The User ID of the author of the last comment of an entity.
Content author
Content
Relate content to the user who created it.
User
Content revision
The username of the content author.
Selected: User
Add and configure relationships
Cancel


Configure Relationship: User
The username of the content author.
ADMINISTRATIVE TITLE
Require this relationship
Enable to hide items that do not contain this relationship
Apply
Cancel
Remove

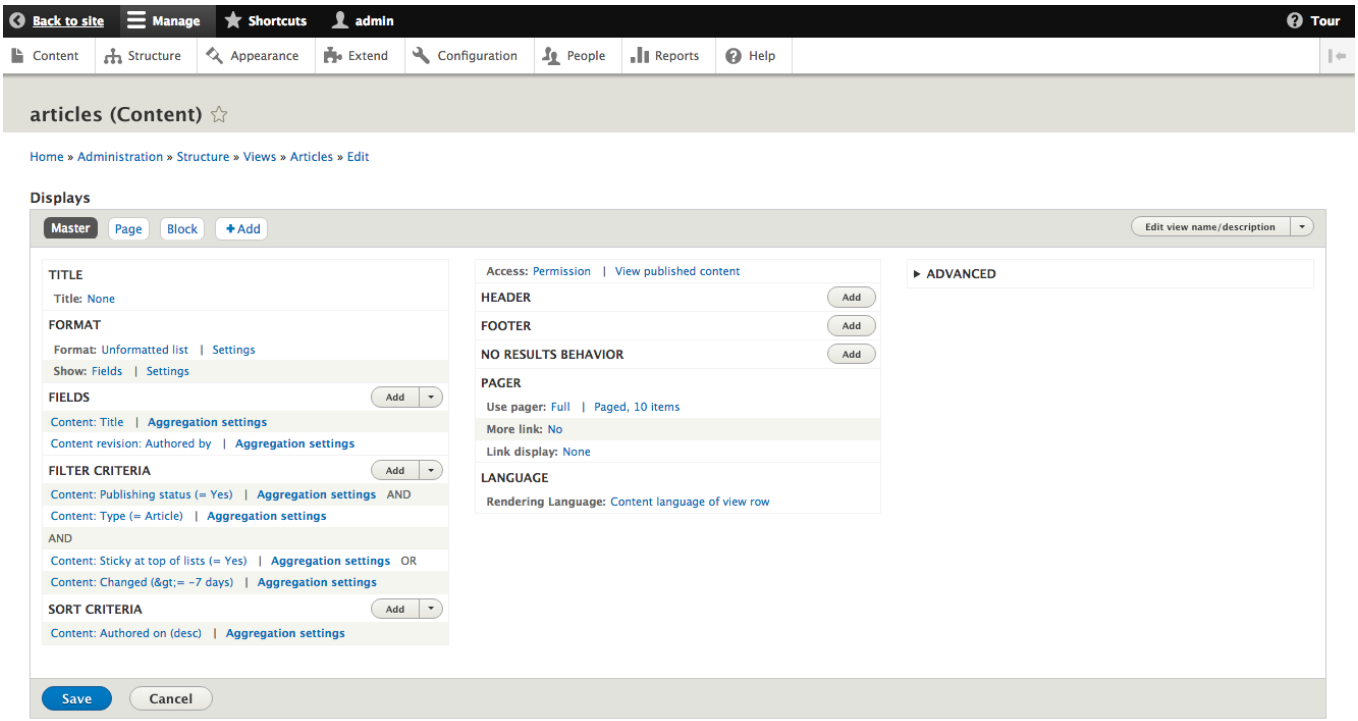

Add fields
Search
Type
User
TITLE
CATEGORY
DESCRIPTION
Bulk update
User
Add a form element that lets you run operations on multiple users.
Contact link
User
Provide a simple link to the user contact page.
Created
User
The time that the user was created.
Data
User
Provides access to the user data service.
Default translation
User
A flag indicating whether this is the default translation.
Email
User
Email address for a given user. This field is normally not shown to users, so be cautious when using it.
Initial email
User
The email address used for initial account creation.
Last access
User
The time that the user last accessed the site.
Last login
User
The time that the user last logged in.
Add and configure fields
Cancel

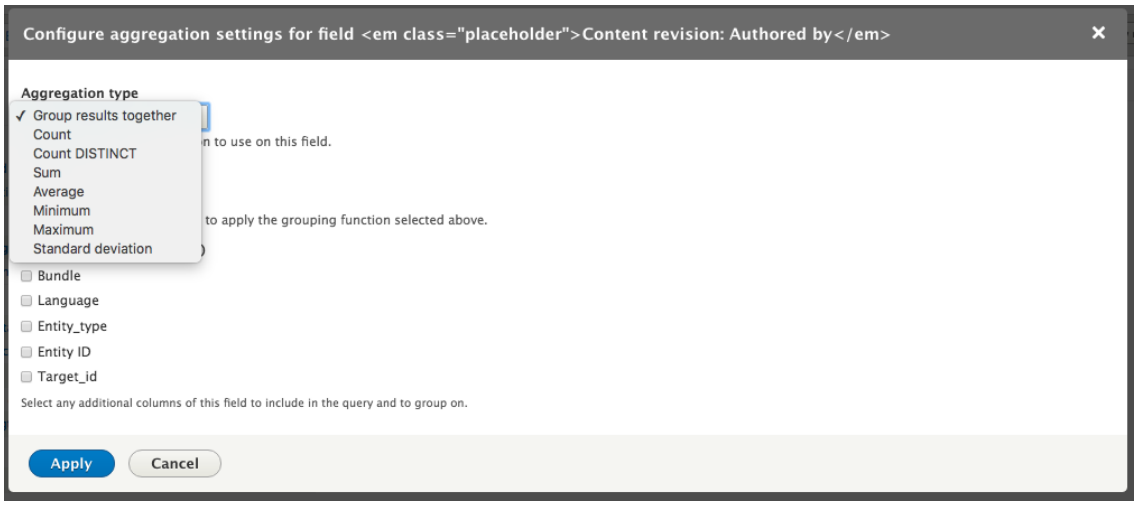

Add contextual filters
Search
Type
User
Updated date User The time that the user was last edited.
Updated date User Date in the form of CCYYMMDD.
Updated day User Date in the form of DD (01 – 31).
Updated month User Date in the form of MM (01 – 12).
Updated week User Date in the form of WW (01 – 53).
Updated year User Date in the form of YYYY.
Updated year + month User Date in the form of YYYYMM.
User ID User The user ID.
User status User Whether the user is active or blocked.
UUID User The user UUID.
Selected: User ID
Add and configure contextual filters
Cancel

WHEN THE FILTER VALUE IS NOT IN THE URL
Default actions
Display all results for the specified field
Provide default value
Content ID from URL
Fixed
Query parameter
Raw value from URL
Taxonomy term ID from URL
User ID from logged in user
User ID from route context
Display contents of "No results found"
Display "Access Denied"
EXCEPTIONS

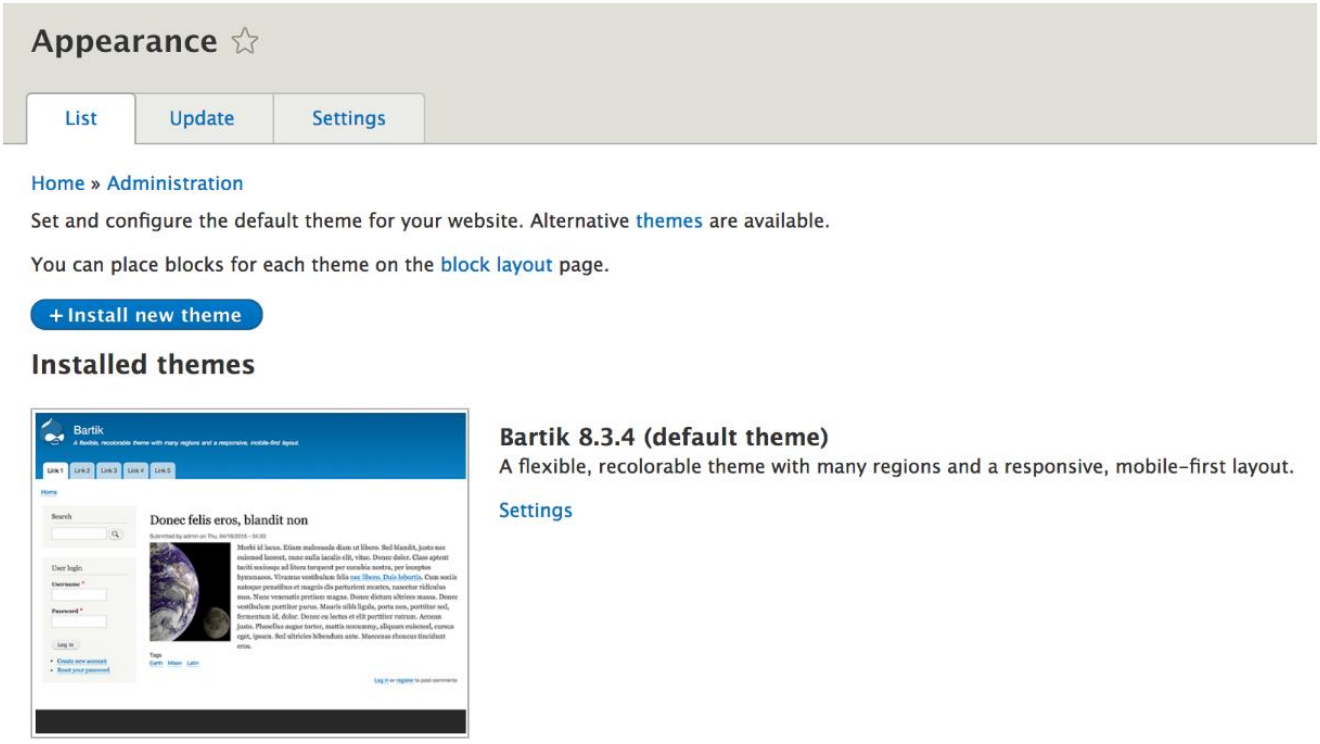
▾ WHEN THE FILTER VALUE IS *NOT* IN THE URL
Default actions
Display all results for the specified field
Provide default value
Show "Page not found"
Display a summary
Sort order
Ascending
Descending
Sort by
Numerical
Number of records
Format
List
Unformatted
Base path
Define the base path for links in this summary view, i.e. http://example.com/your_view_path/archive. Do not include beginning and ending forward slash. If this value is empty, views will use the first path found as the base path, in page displays, or / if no path could be found.
Display record count with link
Override number of items to display
Display contents of "No results found"
Display "Access Denied"
▸ EXCEPTIONS

Content
admin (1)

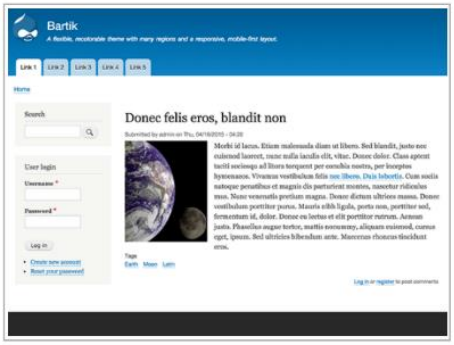

Back to site
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
articles (Content)
Home » Administration » Structure » Views » Articles » Edit
Displays
Master
Page
Block
+Add
Edit view name/description
TITLE
Title: None
FORMAT
Format: Unformatted list | Settings
Show: Fields | Settings
FIELDS
Add
Content: Title | Aggregation settings
Content revision: Authored by | Aggregation settings
FILTER CRITERIA
Add
Content: Publishing status (= Yes) | Aggregation settings AND
Content: Type (= Article) | Aggregation settings
AND
Content: Sticky at top of lists (= Yes) | Aggregation settings OR
Content: Changed (>= -7 days) | Aggregation settings
SORT CRITERIA
Add
Content: Authored on (desc) | Aggregation settings
Access: Permission | View published content
HEADER
Add
FOOTER
Add
NO RESULTS BEHAVIOR
Add
PAGER
Use pager: Full | Paged, 10 items
More link: No
Link display: None
LANGUAGE
Rendering Language: Content language of view row
▸ ADVANCED
Save
Cancel


Configure aggregation settings for field Content revision: Authored by
Aggregation type
Group results together
Count
Count DISTINCT
Sum
Average
Minimum
Maximum
Standard deviation
n to use on this field.
to apply the grouping function selected above.
Bundle
Language
Entity_type
Entity ID
Target_id
Select any additional columns of this field to include in the query and to group on.
Apply
Cancel

Chapter 8: Theming Essentials



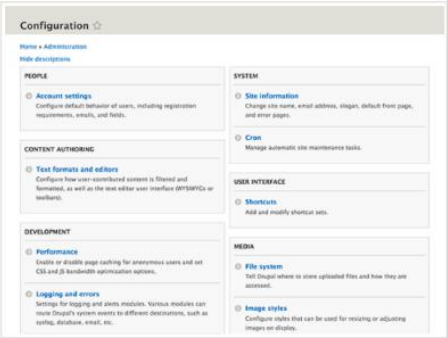
Installed themes



Bartik 8.3.4 (default theme)

A flexible, recolorable theme with many regions and a responsive, mobile-first layout.

Settings



Seven 8.3.4 (administration theme)

The default administration theme for Drupal 8 was designed with clean lines, simple blocks, and sans-serif font to emphasize the tools and tasks at hand.

Settings | Set as default

Uninstalled theme

Stark 8.3.4

An intentionally plain theme with no styling to demonstrate default Drupal's HTML and CSS. Learn how to build a custom theme from Stark in the Theming Guide.

Install | Install and set as default

Appearance settings ☆

List | Update | Settings

Global settings | Bartik | Seven

Home » Administration » Appearance

Control default display settings for your site, across all themes. Use theme-specific settings to override these defaults.

▼ PAGE ELEMENT DISPLAY

- [x] User pictures in posts
- [x] User pictures in comments
- [x] User verification status in comments
- [x] Shortcut icon

▼ LOGO IMAGE

- [x] Use the logo supplied by the theme

▼ FAVICON

Your shortcut icon, or favicon, is displayed in the address bar and bookmarks of most browsers.

- [x] Use the favicon supplied by the theme

Bootstrap

View | Version control

Posted by wundo on *18 May 2008*

> Sleek, intuitive, and powerful mobile first front-end framework for faster and easier web development. Bootstrap has become one of the most popular front-end frameworks and open source projects in the world.

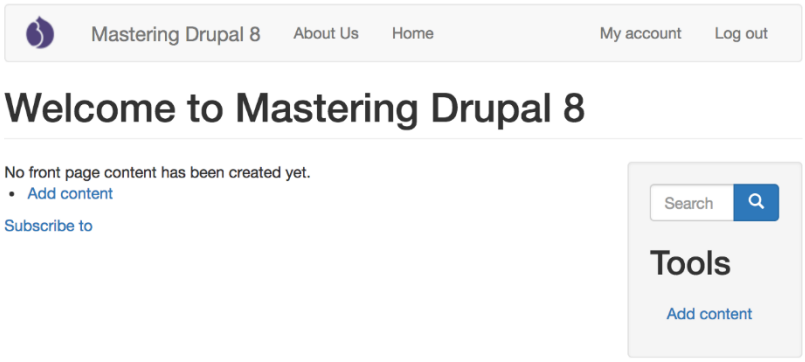
This base theme bridges the gap between Drupal and the Bootstrap Framework.

Features

- jsDelivr CDN for "out-of-the-box" styling and faster page load times.
- Bootswatch theme support, if using the CDN.
- Glyphicons support via Icon API.
- Extensive integration and template/preprocessor overrides for most of the Bootstrap Framework CSS, Components and JavaScript
- Theme settings to further enhance the Drupal Bootstrap integration:
  - Breadcrumbs
  - Navbar
  - Popovers
  - Tooltips
  - Wells (per region)

Bootstrap 3 for Drupal

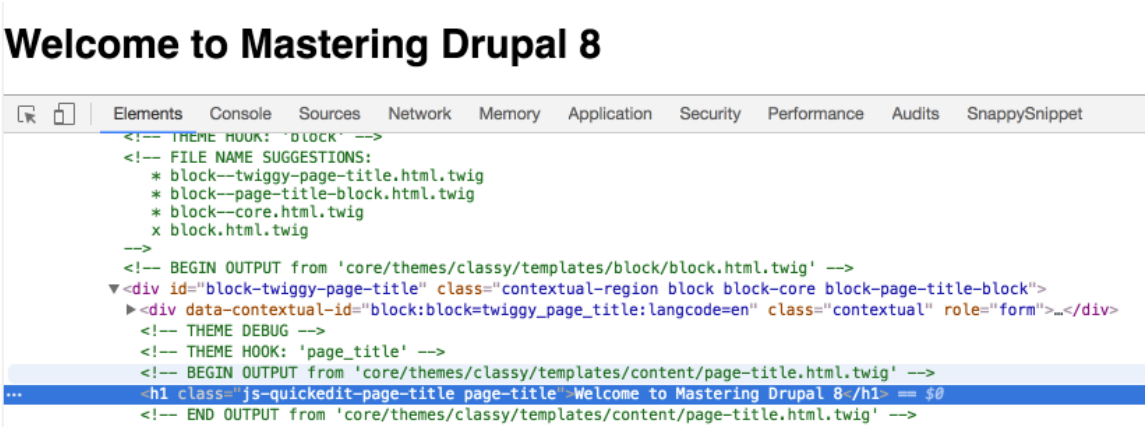
core
modules
profiles
sites
themes
bootstrap

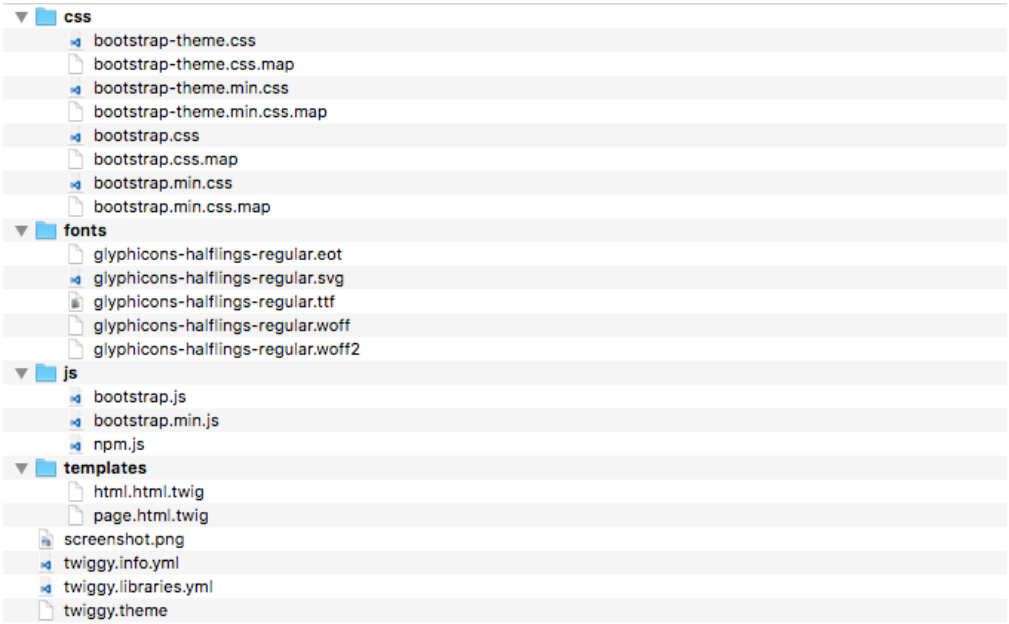

Mastering Drupal 8
About Us
Home
My account
Log out
Welcome to Mastering Drupal 8
No front page content has been created yet.
Add content
Subscribe to
Search
Tools
Add content

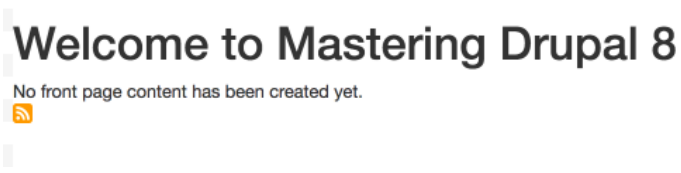
html.html.twig
Page - page.html.twig
Header - region.html.twig
Content
region.html.twig
Node
node.html.twig
Comments
comment.html.twig
Sidebar
region.html.twig
Block
block.html.twig
Block
block.html.twig
Footer - region.html.twig

twiggy
css
styles.css
js
scripts.js
templates
html.html.twig
page.html.twig
screenshot.png
twiggy.info.yml
twiggy.libraries.yml

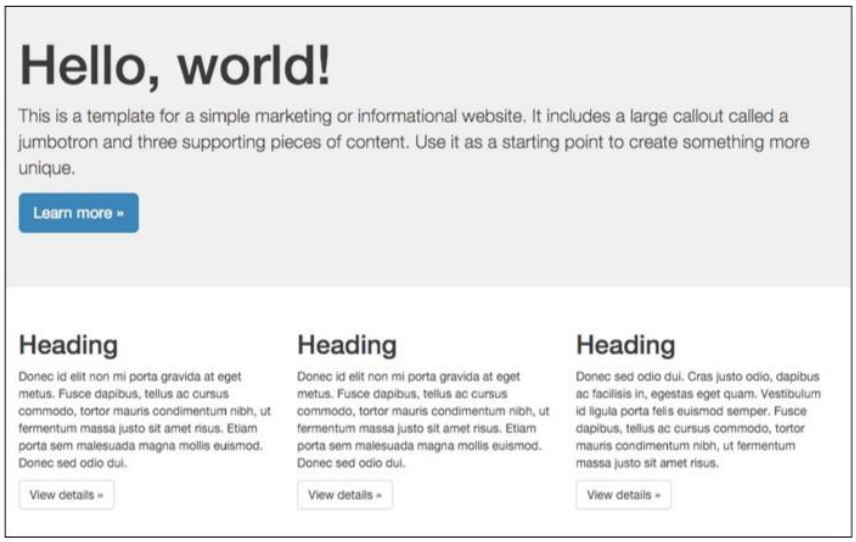
Chapter 9: Working with Twig







```
@import url("/themes/twiggy/css/bootstrap.min.css?oskhp4");
@import url("/themes/twiggy/css/bootstrap-theme.min.css?oskhp4");
```



Welcome to Mastering Drupal 8

No front page content has been created yet.

- Add content

Headline
Hello, World!
This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting piece of content. Use it as a starting point to create something more unique.

Button
Learn more

Homepage

View Edit Delete Revisions

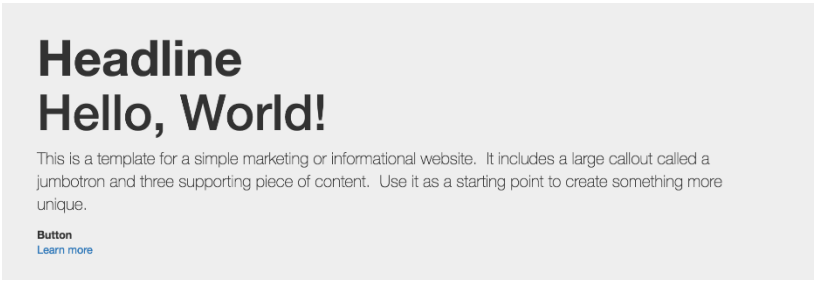
Homepage placeholder

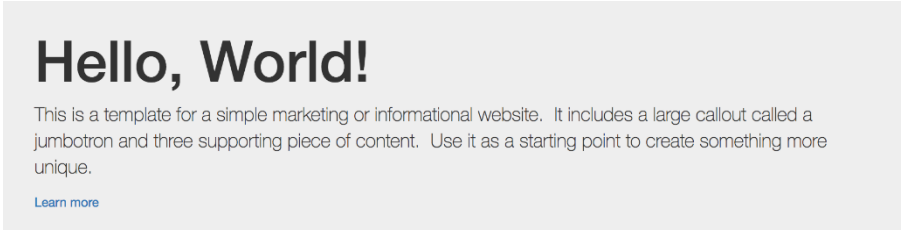
Headline
Hello, World!
This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting piece of content. Use it as a starting point to create something more unique.

Button
Learn more

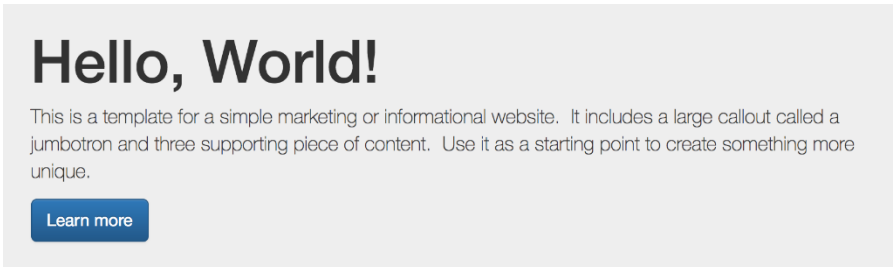
```
<!-- FILE NAME SUGGESTIONS:
   * node--5--full.html.twig
   * node--5.html.twig
   * node--page--full.html.twig
   * node--page.html.twig
   * node--full.html.twig
   x node.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/content/node.html.twig'
-->
▶<article data-history-node-id="5" data-quickedit-entity-id="node/5" role=
"article" class="contextual-region node node--type-page node--view-mode-full"
about="/node/5" typeof="schema:WebPage" data-quickedit-entity-instance-id="0">
…</article> == $0
<!-- END OUTPUT from 'core/themes/classy/templates/content/node.html.twig' -
```

```
<!-- FILE NAME SUGGESTIONS:
   * block--myjumbotron.html.twig
   * block--block-content--8afffa8e-7bf2-40a7-9fd4-b7a86db91049.html.twig
   * block--block-content.html.twig
   * block--block-content.html.twig
   x block.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/block/block.html.twig' -->
▶<div data-quickedit-entity-id="block_content/2" id="block-myjumbotron" class="contextual-region block
block-block-content block-block-content8afffa8e-7bf2-40a7-9fd4-b7a86db91049" data-quickedit-entity-
instance-id="0">…</div> == $0
<!-- END OUTPUT from 'core/themes/classy/templates/block/block.html.twig' -->
```





```
<!-- FILE NAME SUGGESTIONS:
   * field--block-content--field-button--jumbotron.html.twig
   * field--block-content--field-button.html.twig
   * field--block-content--jumbotron.html.twig
   * field--field-button.html.twig
   * field--link.html.twig
   x field.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/field/field.html.twig' -->
▶<div data-quickedit-field-id="block_content/2/field_button/en/full" class="field field--name-field-button field--type-link field--label-hidden field__item">…</div>
<!-- END OUTPUT from 'core/themes/classy/templates/field/field.html.twig' -->
```

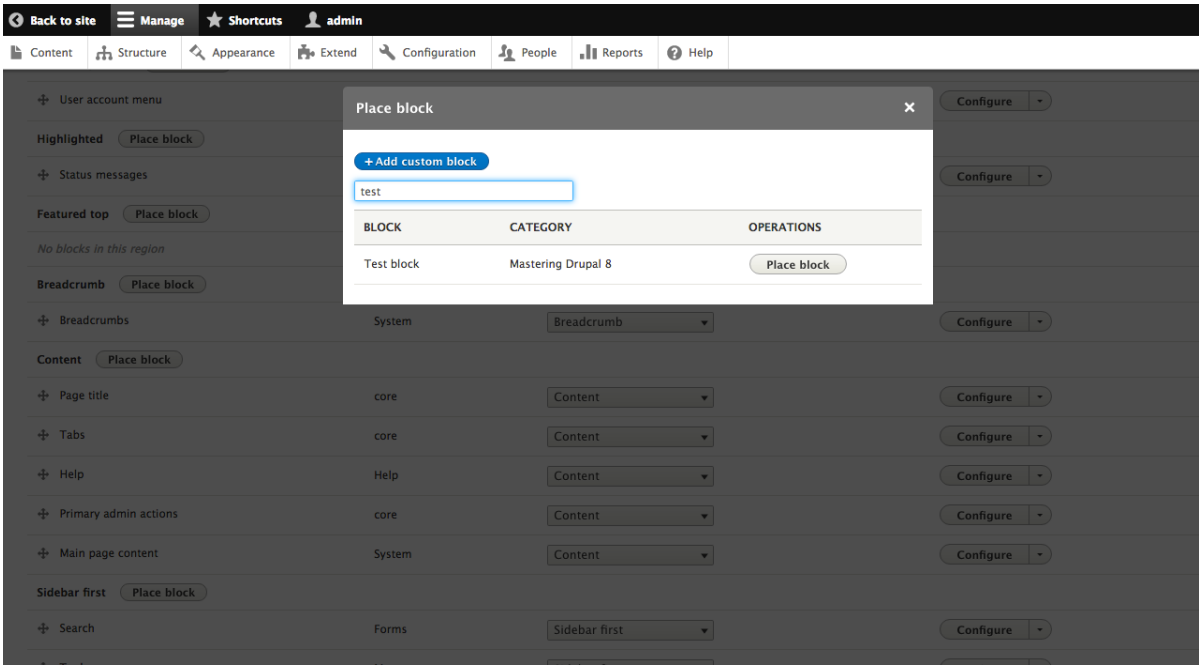


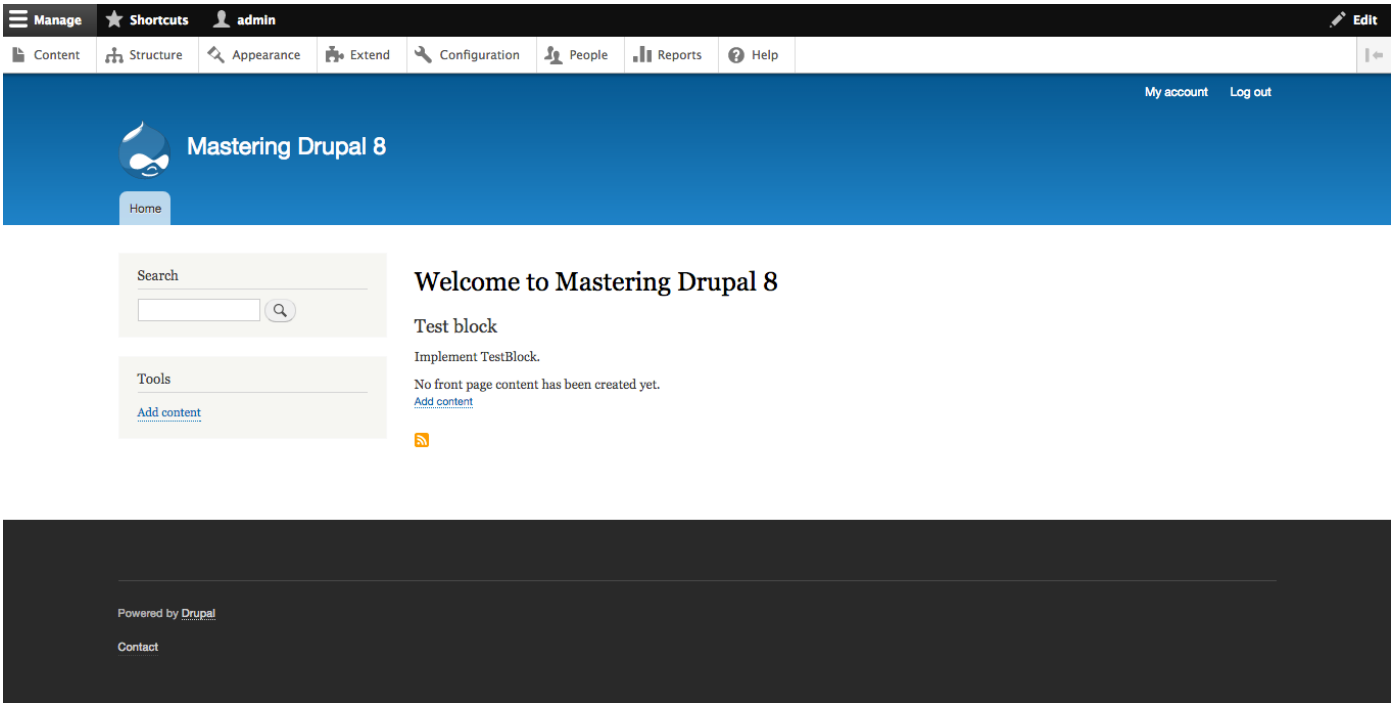
Chapter 10: Extending Drupal

```
[vagrant@localhost public]$ drush php
Psy Shell v0.6.1 (PHP 5.6.17 — cli) by Justin Hileman
>>> $query = \Drupal::entityQuery('node');
=> Drupal\Core\Entity\Query\Sql\Query {#10930
     +"conjunction": "AND",
   }
>>> $query->execute();
=> [
     11 => "11",
   ]
>>>
```

```
[vagrant@localhost modules]$ drupal generate:module

 // Welcome to the Drupal module generator

 Enter the new module name:
 > Mastering Drupal 8

 Enter the module machine name [mastering_drupal_8]:
 >

 Enter the module Path [/modules/custom]:
 >

 Enter module description [My Awesome Module]:
 > Mastering Drupal 8

 Enter package name [Custom]:
 >

 Enter Drupal Core version [8.x]:
 >

 Do you want to generate a .module file (yes/no) [no]:
 >

 Define module as feature (yes/no) [no]:
 >

 Do you want to add a composer.json file to your module (yes/no) [yes]:
 >

 Would you like to add module dependencies (yes/no) [no]:
 >


 Do you confirm generation? (yes/no) [yes]:
 >

Generated or updated files
 Site path: /vagrant/public
 1 - modules/custom/mastering_drupal_8/mastering_drupal_8.info.yml
 2 - modules/custom/mastering_drupal_8/composer.json
```

```
[vagrant@localhost public]$ drupal generate:plugin:block

 // Welcome to the Drupal Plugin Block generator
 Enter the module name [entity_rest_extra]:
 > mastering_drupal_8

 Plugin class name [DefaultBlock]:
 > TestBlock

 Plugin label [Test block]:
 >

 Plugin id [test_block]:
 >

 Theme region to render Plugin Block [ ]:
 >

 Do you want to load services from the container (yes/no) [no]:
 >


You can add input fields to create special configurations in the block.
This is optional, press enter to continue

 Do you want to generate a form structure? (yes/no) [yes]:
 >

 Type [ ]:
 >

 Do you confirm generation? (yes/no) [yes]:
 >

Generated or updated files
 Site path: /vagrant/public
 1 - modules/custom/mastering_drupal_8/src/Plugin/Block/TestBlock.php
 // cache:rebuild

 Rebuilding cache(s), wait a moment please.

[OK] Done clearing cache(s).
```



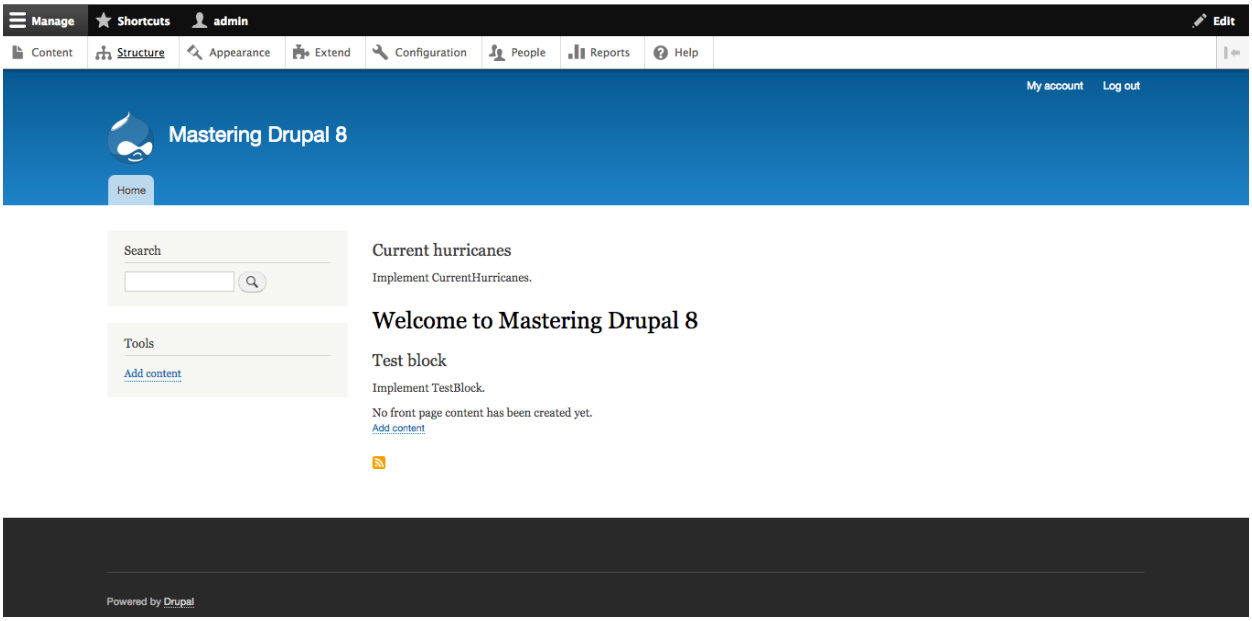



```
[vagrant@localhost public]$ drupal generate:service

 // Welcome to the Drupal service generator
 Enter the module name [ctools]:
 > mastering_drupal_8

 Enter the service name [mastering_drupal_8.default]:
 > mastering_drupal_8.weather_underground

 Enter the Class name [DefaultService]:
 > WeatherUnderground

 Create an interface (yes/no) [yes]:
 > no


 Do you want to load services from the container (yes/no) [no]:
 > yes


Type the service name or use keyup or keydown.
This is optional, press enter to continue

 Enter your service [ ]:
 > http_client
 Enter your service [ ]:
 >

 Do you confirm generation? (yes/no) [yes]:
 >

Generated or updated files
 Site path: /vagrant/public
 1 - modules/custom/mastering_drupal_8/mastering_drupal_8.services.yml
 2 - modules/custom/mastering_drupal_8/src/WeatherUnderground.php
 // cache:rebuild

 Rebuilding cache(s), wait a moment please.

[OK] Done clearing cache(s).
```

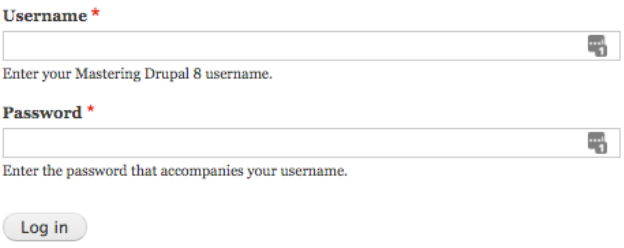
```php
<?php

/**
 * @file
 * Contains \Drupal\mastering_drupal_8\WeatherUnderground.
 */

namespace Drupal\mastering_drupal_8;

use GuzzleHttp\Client;

/**
 * Class WeatherUnderground.
 *
 * @package Drupal\mastering_drupal_8
 */
class WeatherUnderground {

  /**
   * GuzzleHttp\Client definition.
   *
   * @var GuzzleHttp\Client
   */
  protected $http_client;
  /**
   * Constructor.
   */
  public function __construct(Client $http_client) {
    $this->http_client = $http_client;
  }

}
```

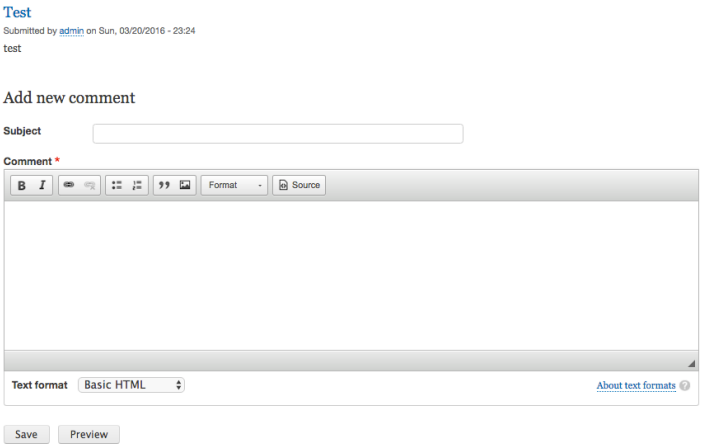
```php
  /**
   * Returns information about current hurricanes and tropical storms.
   *
   * @return ResponseInterface
   */
  public function getCurrentHurricane() {
    return $this->http_client->get('http://api.wunderground.com/api/{key}/currenthurricane/view.json');
  }
```

```
[vagrant@localhost public]$ drupal generate:plugin:block

 // Welcome to the Drupal Plugin Block generator
 Enter the module name [ctools]:
 > mastering_drupal_8

 Plugin class name [DefaultBlock]:
 > CurrentHurricanes

 Plugin label [Current hurricanes]:
 >

 Plugin id [current_hurricanes]:
 >

 Theme region to render Plugin Block [ ]:
 >

 Do you want to load services from the container (yes/no) [no]:
 > yes


Type the service name or use keyup or keydown.
This is optional, press enter to continue

 Enter your service [ ]:
 > mastering_drupal_8.weather_underground
 Enter your service [ ]:
 >

You can add input fields to create special configurations in the block.
This is optional, press enter to continue

 Do you want to generate a form structure? (yes/no) [yes]:
 > no


 Do you confirm generation? (yes/no) [yes]:
 >

Generated or updated files
 Site path: /vagrant/public
 1 - modules/custom/mastering_drupal_8/src/Plugin/Block/CurrentHurricanes.php
 // cache:rebuild

 Rebuilding cache(s), wait a moment please.

[OK] Done clearing cache(s).
```

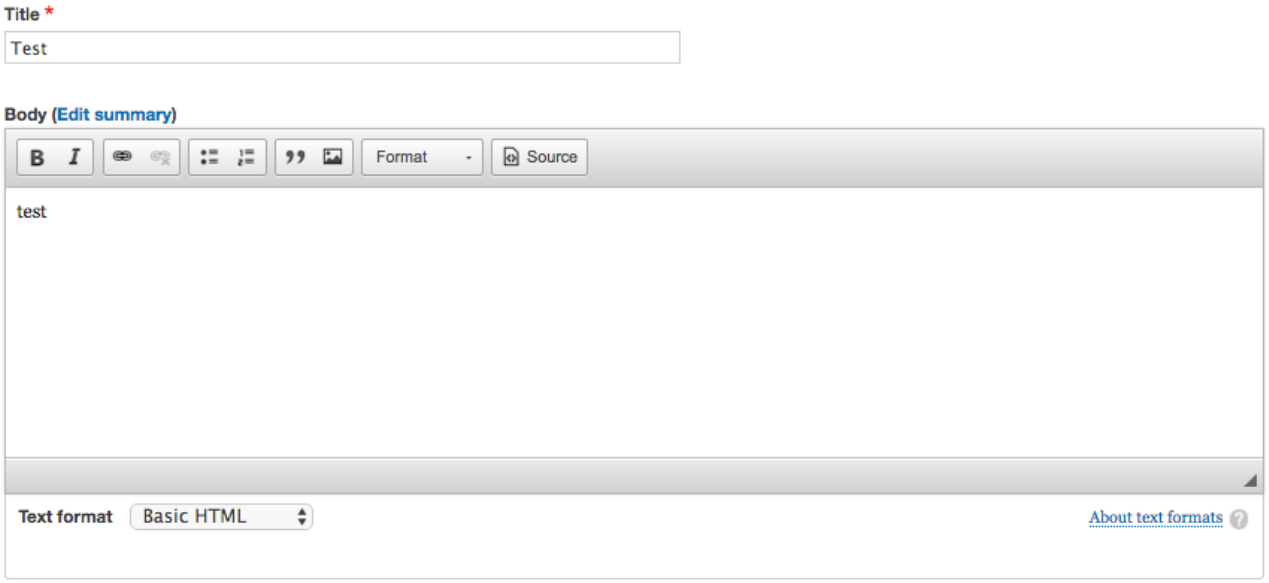


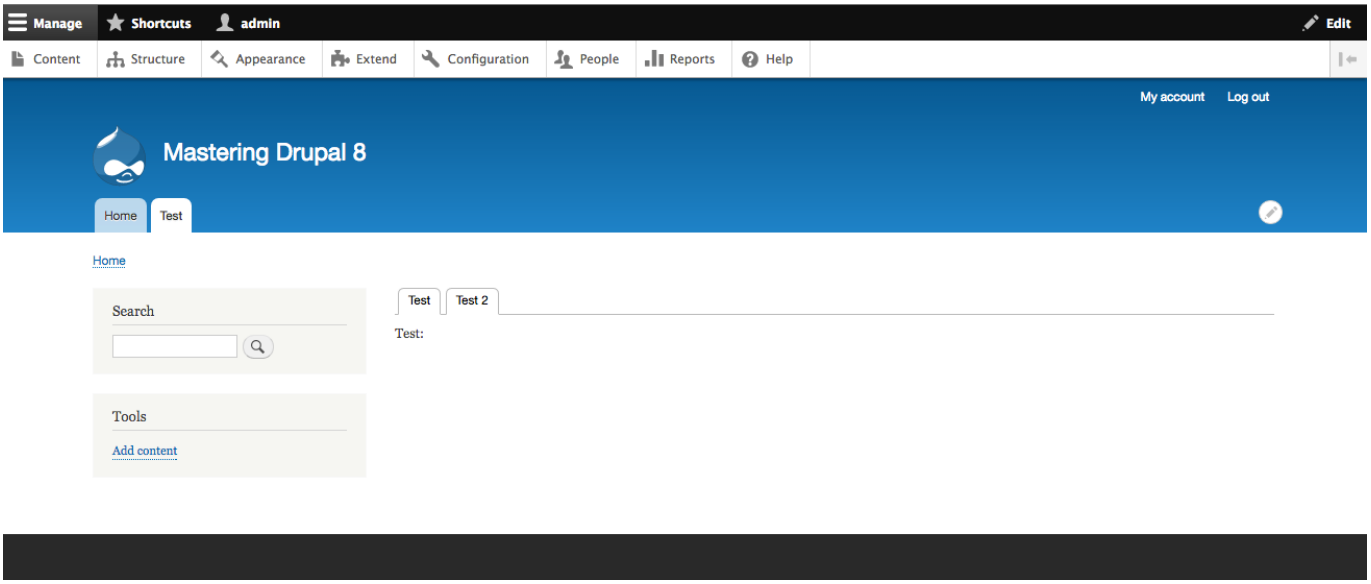

```php
/**
 * {@inheritdoc}
 */
public function build() {
  $current_hurricanes = json_decode($this->mastering_drupal_8_weather_underground->getCurrentHurricane()->getBody());
  $build = [];

  $build['list'] = [
    '#theme' => 'item_list',
    '#items' => [],
  ];

  foreach ($current_hurricanes->currenthurricane as $hurricane) {
    $build['list']['#items'][] = $hurricane->stormName_Nice;
  }

  if (0 === sizeof($current_hurricanes->currenthurricane)) {
    $build['list']['#items'][] = 'None';
  }

  return $build;
}
```

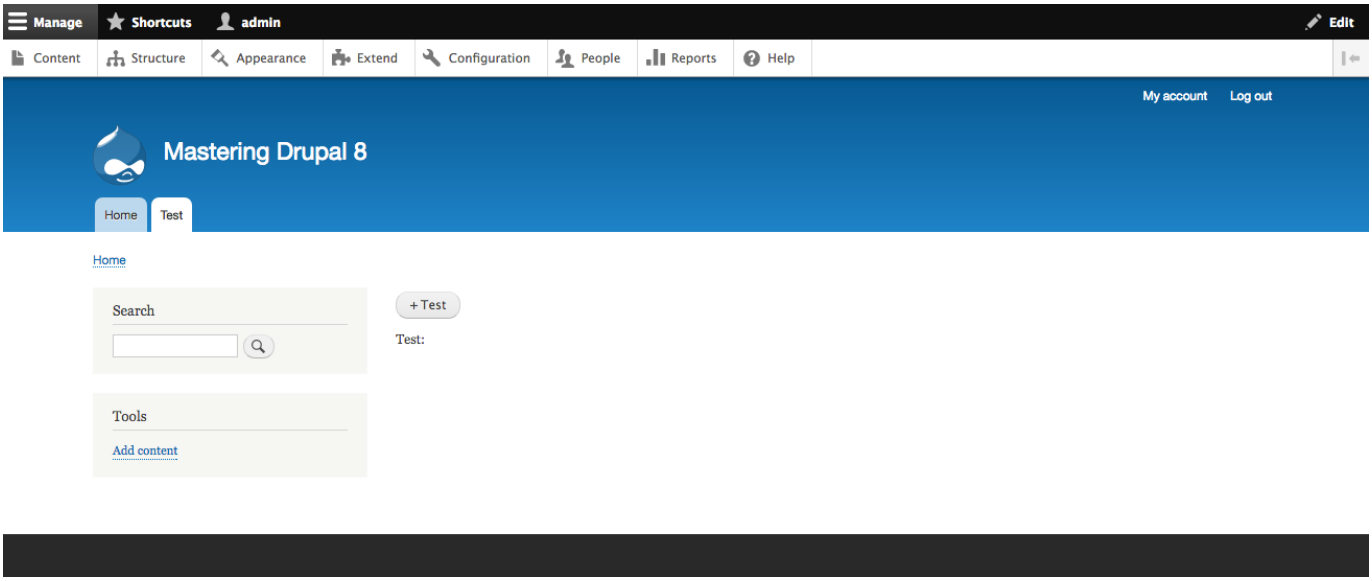


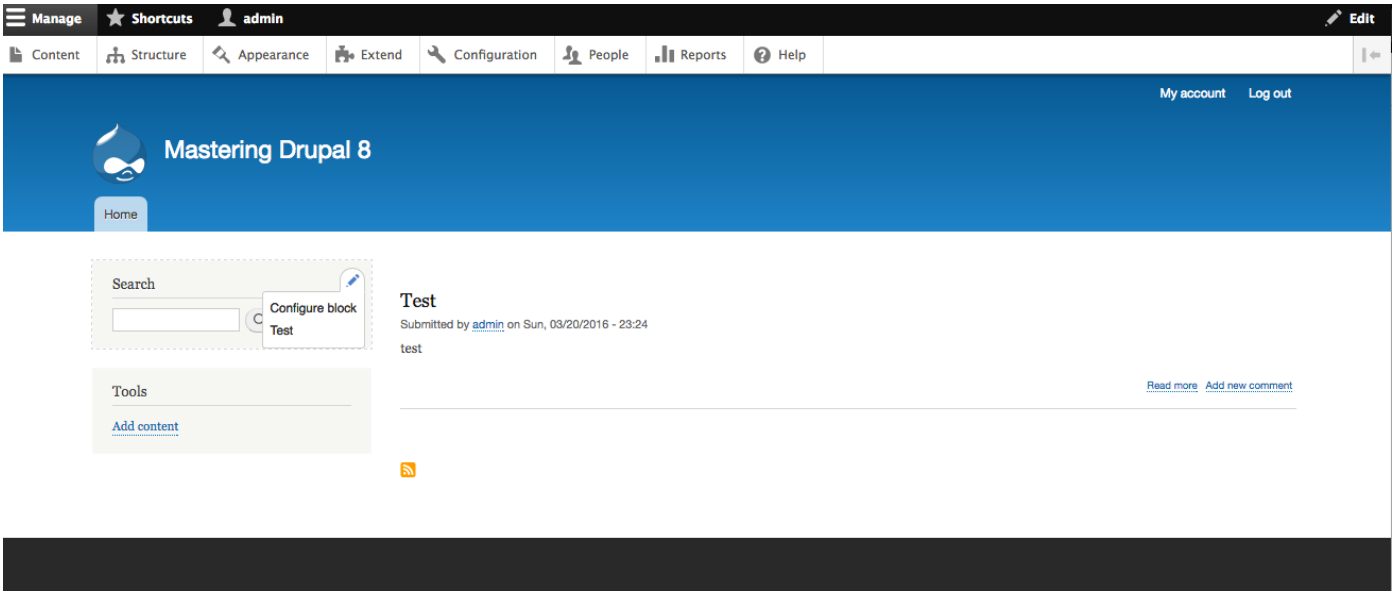


Title	Content type	Author	Status	Updated	Operations
Test New	Article	admin	published	04/05/2016 - 22:48	Edit




Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Test
Home
Search
Tools
Add content
Test
Test 2
Test:


Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Test
Home
Search
Tools
Add content
+ Test
Test:

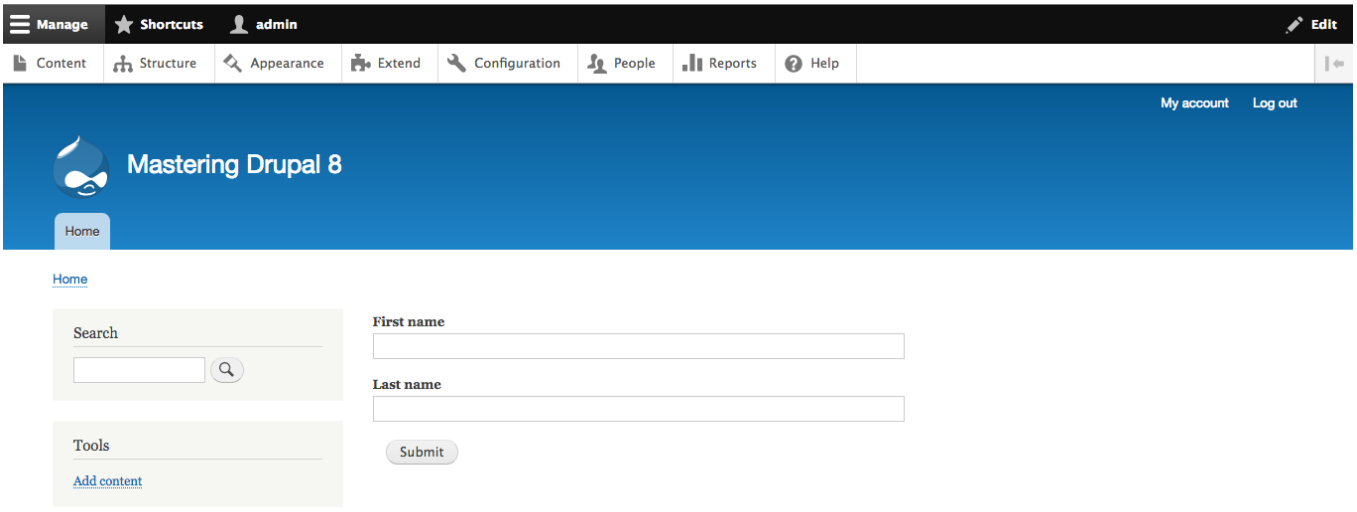


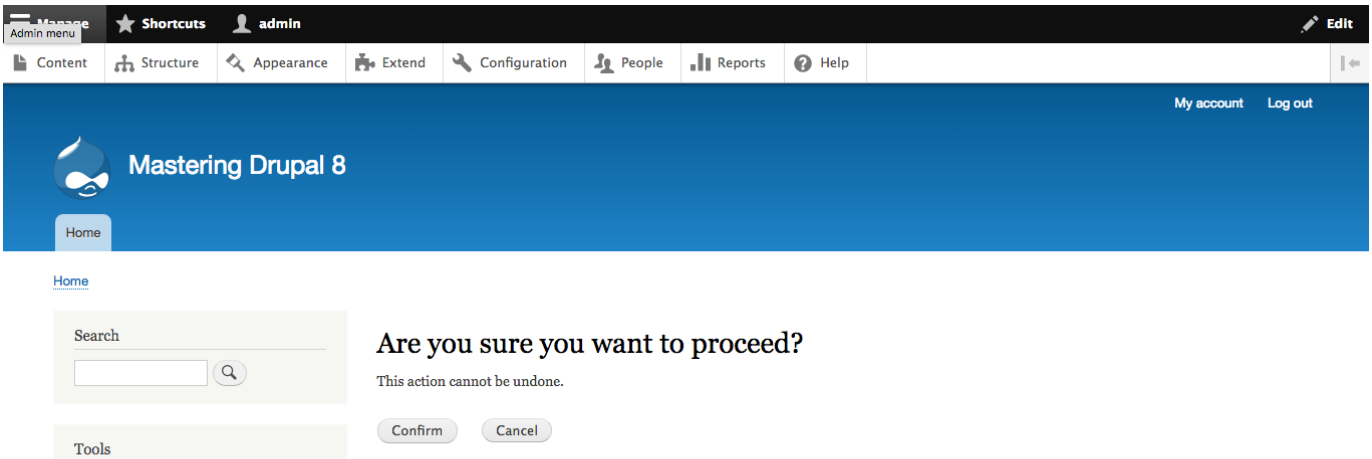

```
[vagrant@localhost public]$ drupal generate:event:subscriber
 Enter the module name [ctools]:
 > mastering_drupal_8

 Enter the service name [mastering_drupal_8.default]:
 > mastering_drupal_8.event_subscriber

 Class name [DefaultSubscriber]:
 > MasteringDrupal8EventSubscriber


Type the event name or use keyup or keydown.
This is optional, press enter to continue

 Enter event name [ ]:
 > kernel.terminate

 Callback function name to handle event [kernel_terminate]:
 > onTerminate

 Enter event name [ ]:
 >
 Do you want to load services from the container (yes/no) [no]:
 >


 Do you confirm generation? (yes/no) [yes]:
 >

Generated or updated files
 Site path: /vagrant/public
 1 - modules/custom/mastering_drupal_8/src/EventSubscriber/MasteringDrupal8EventSubscriber.php
 2 - modules/custom/mastering_drupal_8/mastering_drupal_8.services.yml
 // cache:rebuild

 Rebuilding cache(s), wait a moment please.

[OK] Done clearing cache(s).
```

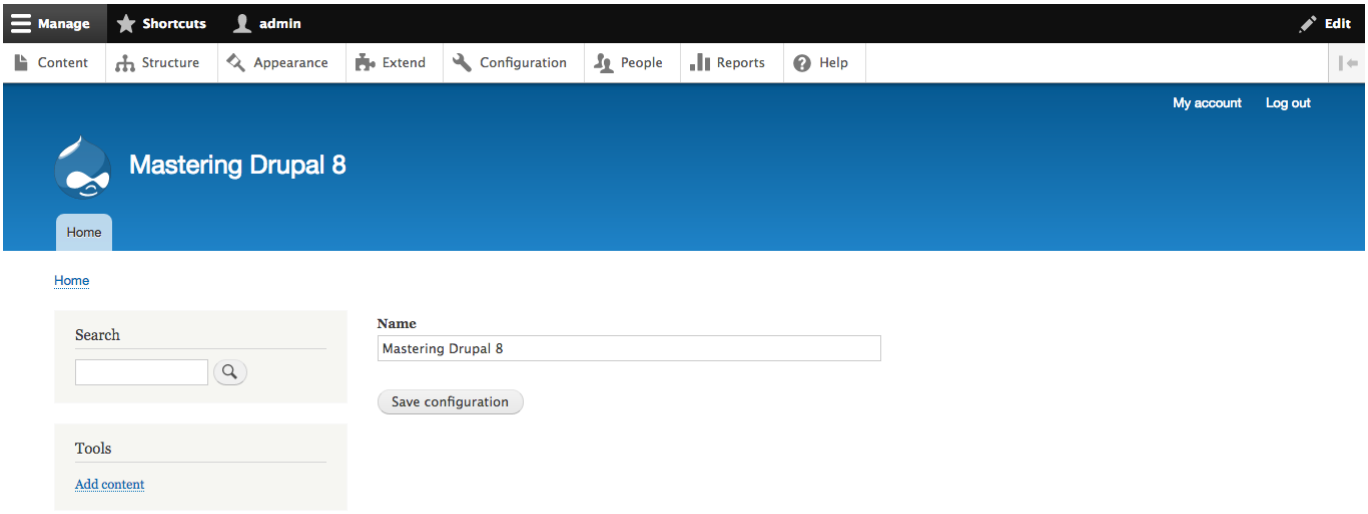
```php
namespace Drupal\mastering_drupal_8\EventSubscriber;

use Symfony\Component\EventDispatcher\EventSubscriberInterface;
use Symfony\Component\EventDispatcher\Event;

/**
 * Class MasteringDrupal8EventSubscriber.
 *
 * @package Drupal\mastering_drupal_8
 */
class MasteringDrupal8EventSubscriber implements EventSubscriberInterface {

  /**
   * Constructor.
   */
  public function __construct() {

  }

  /**
   * {@inheritdoc}
   */
  static function getSubscribedEvents() {
    $events['kernel.terminate'] = ['onTerminate'];

    return $events;
  }

  /**
   * This method is called whenever the kernel.terminate event is
   * dispatched.
   *
   * @param GetResponseEvent $event
   */
  public function onTerminate(Event $event) {
    drupal_set_message('Event kernel.terminate thrown by Subscriber in module mastering_drupal_8.', 'status', TRUE);
  }

}
```

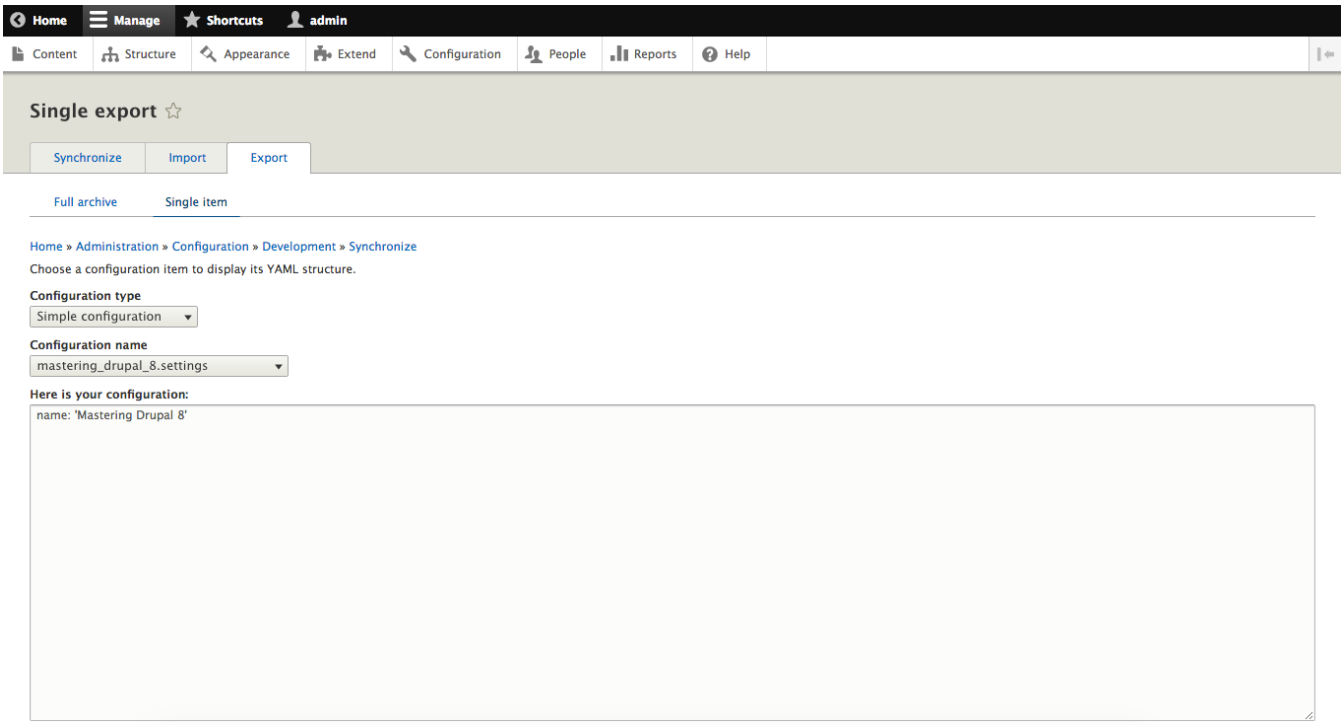
Chapter 11: Working with Forms and the Form API

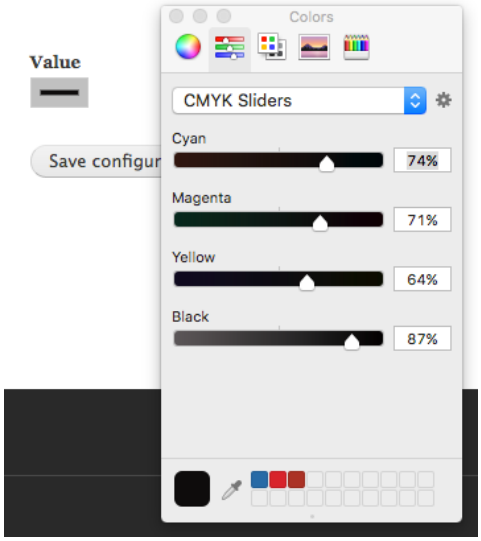
```
[[vagrant@localhost public]$ drupal generate:form

  // Welcome to the Drupal form generator
  Enter the module name [ctools]:
[ > mastering_drupal_8

  Enter the Form Class name [DefaultForm]:
[ > TestForm

  Enter the Form id [test_form]:
[ >


  Do you want to load services from the container (yes/no) [no]:
[ >

  Do you want to generate a form structure? (yes/no) [yes]:
[ >

  Type [ ]:
[ > textfield

  Input label:
[ > First name

  Input machine name [first_name]:
[ >

  Maximum amount of characters [64]:
[ >

  Width of the textfield (in characters) [64]:
[ >

  Description [ ]:
[ >

  Default value [ ]:
[ >

  Weight for input item [0]:
[ >
```

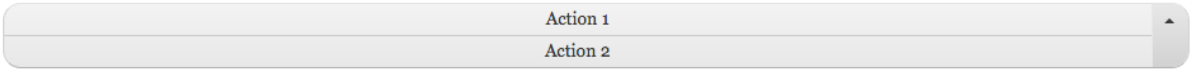

Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Home
Search
Tools
Add content
First name
Last name
Submit


Admin menu
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Home
Search
Tools
Add content
Are you sure you want to proceed?
This action cannot be undone.
Confirm
Cancel

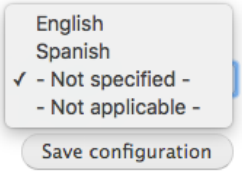

Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Home
Search
Tools
Add content
Name
Mastering Drupal 8
Save configuration


Home
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Single export
Synchronize
Import
Export
Full archive
Single item
Home » Administration » Configuration » Development » Synchronize
Choose a configuration item to display its YAML structure.
Configuration type
Simple configuration
Configuration name
mastering_drupal_8.settings
Here is your configuration:
name: 'Mastering Drupal 8'





Mastering Drupal 8



Mastering Drupal 8

Save configuration

More

Save configuration

1 2 3 4 5 6 7 8 9 … Next › Last »

Path

Save configuration

	Column one	Column two
	Row	One
	Row	Two
	Row	Three
	Row	Four
	Row	Five

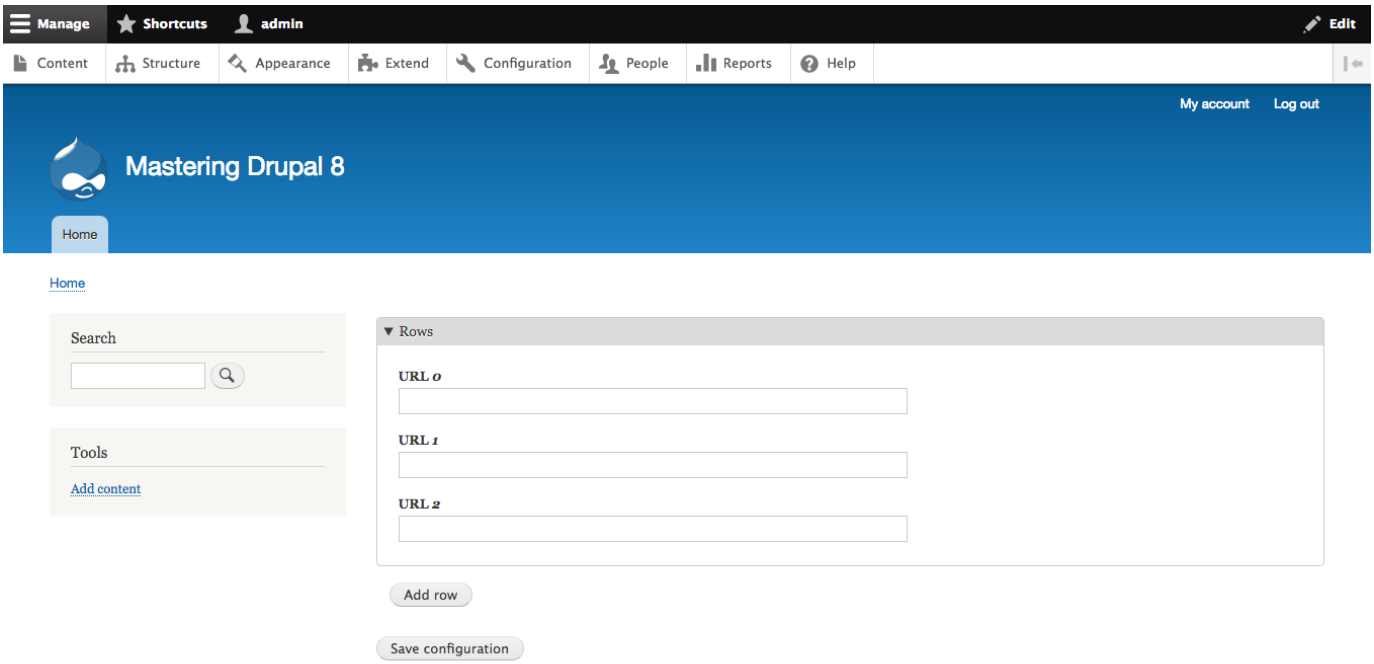
Save configuration

Url

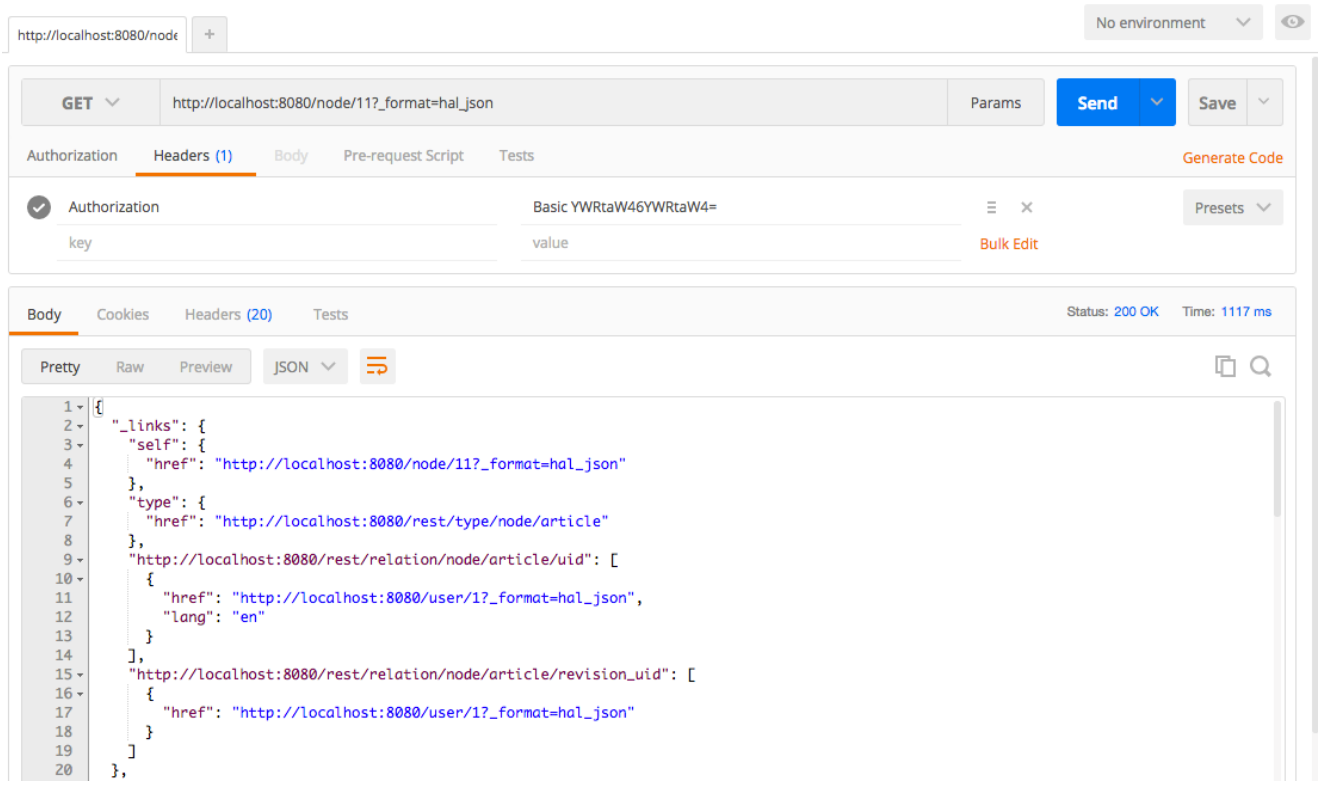
test

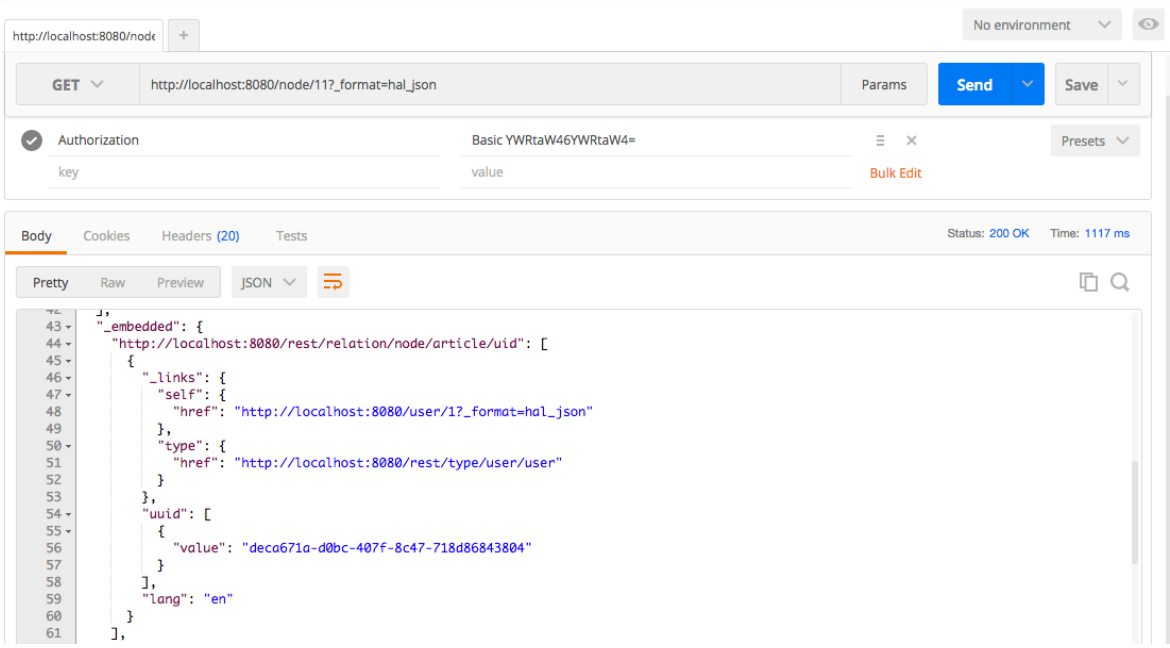
Please enter a URL.

Save configuration


Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Home
Search
Tools
Add content
Rows
URL 0
URL 1
URL 2
Add row
Save configuration

Chapter 12: RESTful Services





▼ WEB SERVICES

☑	**HAL**	▶ Serializes entities using Hypertext Application Language.
☑	**HTTP Basic Authentication**	▶ Provides the HTTP Basic authentication provider
☑	**RESTful Web Services**	▶ Exposes entities and other resources as RESTful web API
☐	**Serialization**	▶ Provides a service for (de)serializing data to/from formats such as JSON and XML

Install

VIEW BASIC INFORMATION

View name *

User posts Machine name: user_posts [Edit]

☐ Description

VIEW SETTINGS

Show: Content of type: All tagged with: sorted by: Newest first

PAGE SETTINGS

☐ Create a page

BLOCK SETTINGS

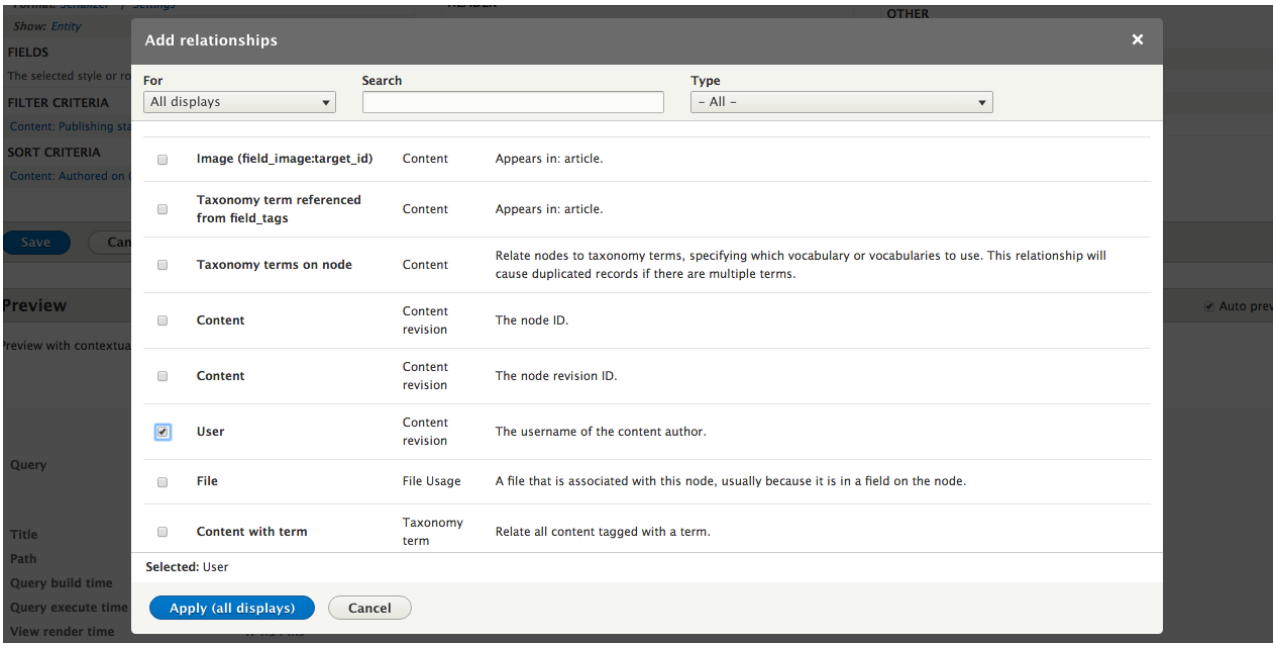
☐ Create a block

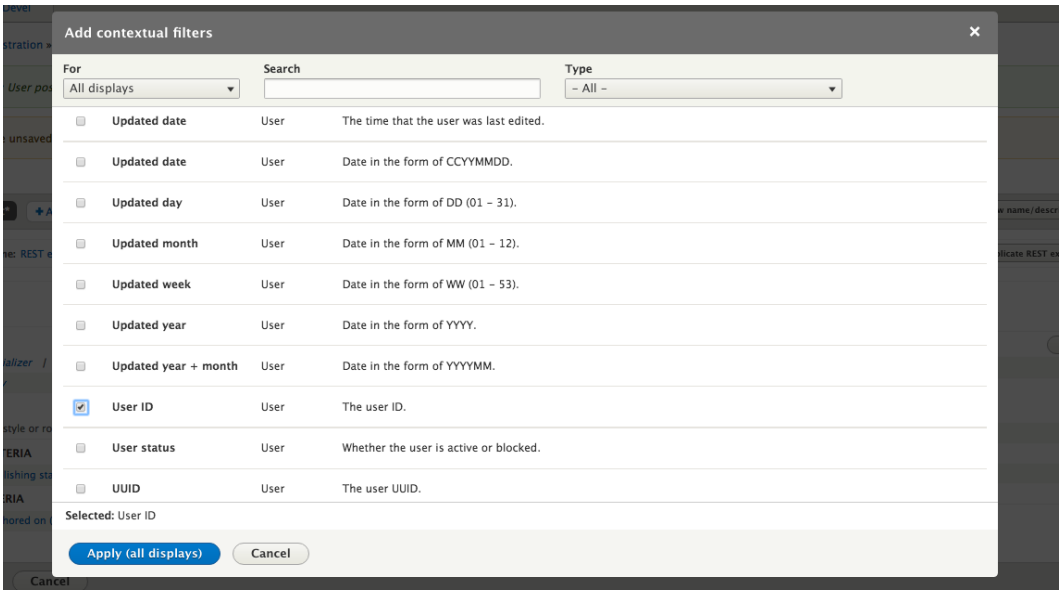
REST EXPORT SETTINGS

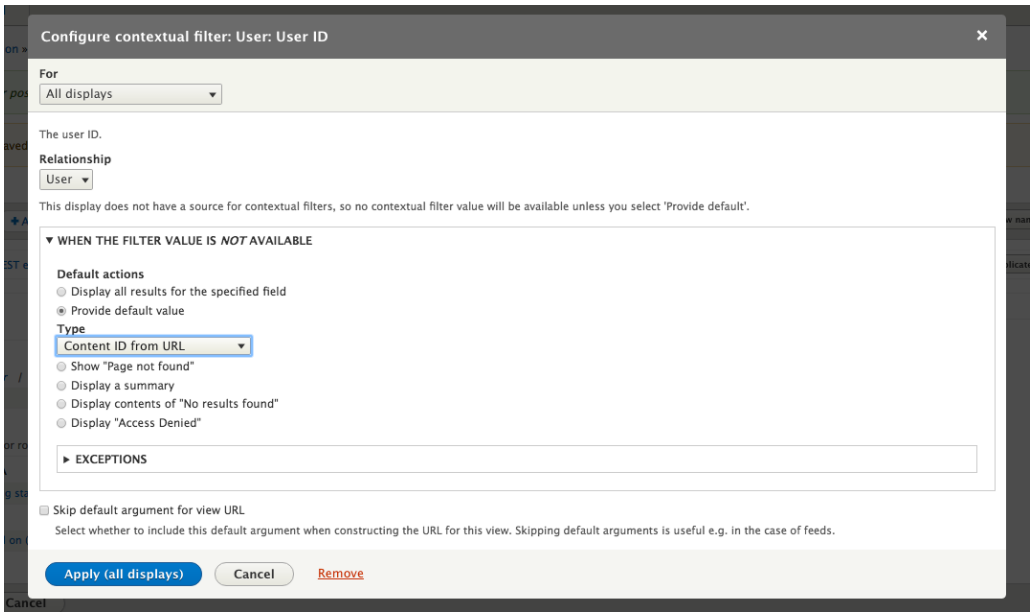
☑ Provide a REST export

REST export path

user/%/posts




Add contextual filters
For
All displays
Search
Type
– All –
Updated date User The time that the user was last edited.
Updated date User Date in the form of CCYYMMDD.
Updated day User Date in the form of DD (01 – 31).
Updated month User Date in the form of MM (01 – 12).
Updated week User Date in the form of WW (01 – 53).
Updated year User Date in the form of YYYY.
Updated year + month User Date in the form of YYYYMM.
User ID User The user ID.
User status User Whether the user is active or blocked.
UUID User The user UUID.
Selected: User ID
Apply (all displays)
Cancel


Configure contextual filter: User: User ID
For
All displays
The user ID.
Relationship
User
This display does not have a source for contextual filters, so no contextual filter value will be available unless you select 'Provide default'.
WHEN THE FILTER VALUE IS NOT AVAILABLE
Default actions
Display all results for the specified field
Provide default value
Type
Content ID from URL
Show "Page not found"
Display a summary
Display contents of "No results found"
Display "Access Denied"
EXCEPTIONS
Skip default argument for view URL
Select whether to include this default argument when constructing the URL for this view. Skipping default arguments is useful e.g. in the case of feeds.
Apply (all displays)
Cancel
Remove

http://localhost:8081/node

No environment

GET http://localhost:8081/node/1?_format=hal_json Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Generate Code

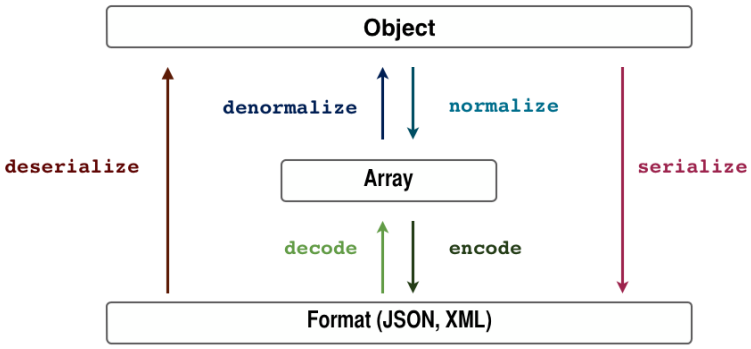
Authorization Basic YWRtaW46YWRtaW4= Presets

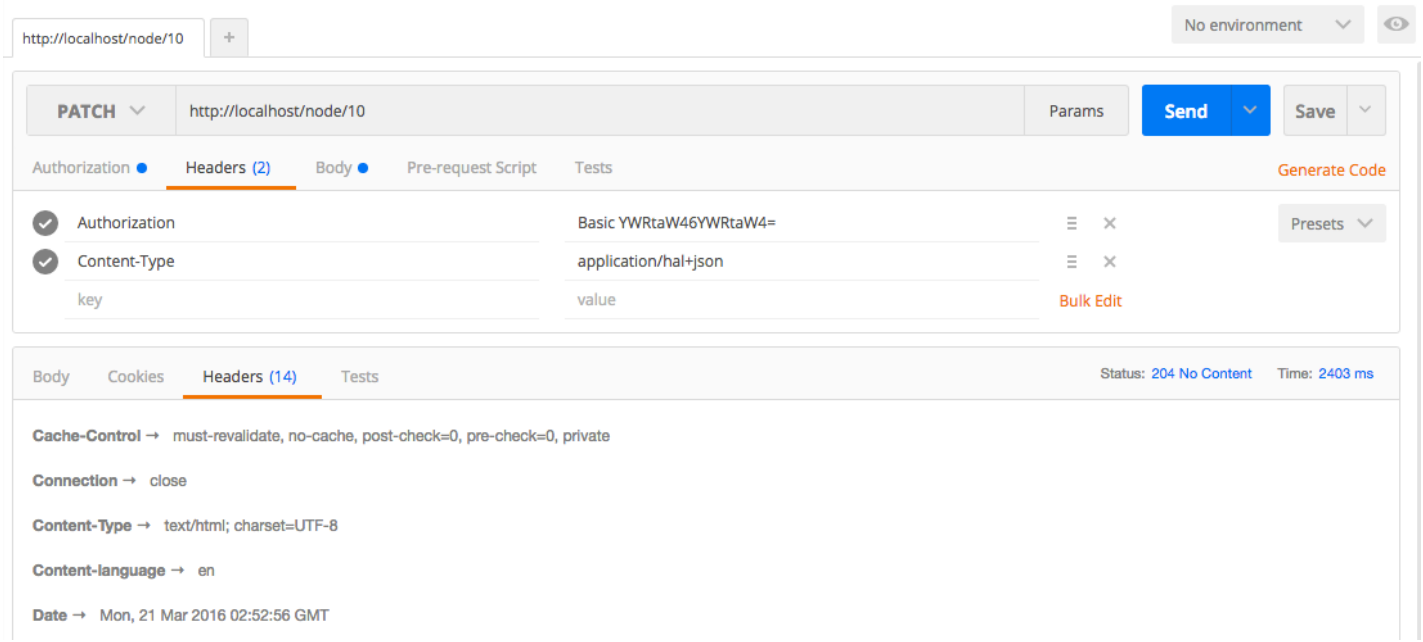
key value Bulk Edit

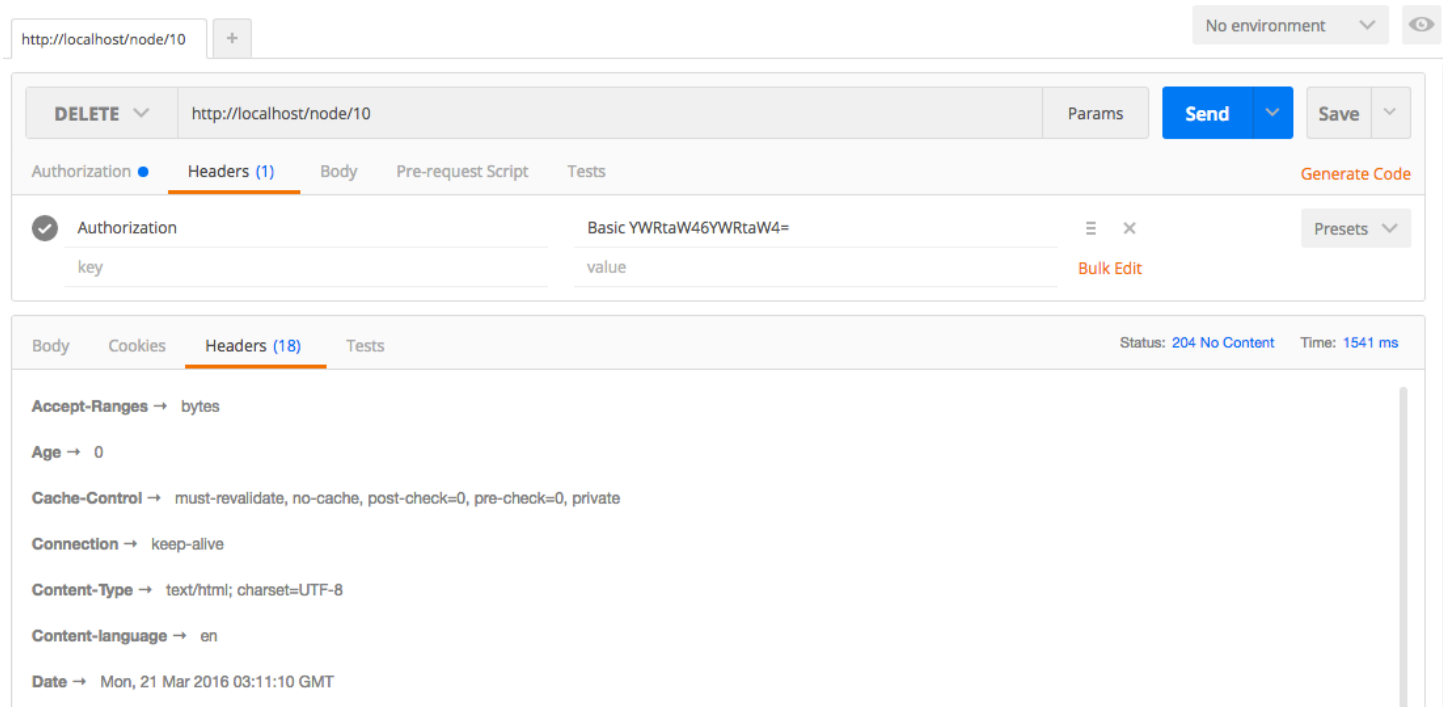
Body Cookies Headers (16) Tests Status: 200 OK Time: 848 ms

Pretty Raw Preview JSON


```
{
  "_links": {
    "self": {
      "href": "http://localhost:8081/node/5?_format=hal_json"
    },
    "type": {
      "href": "http://localhost:8081/rest/type/node/page"
    },
    "http://localhost:8081/rest/relation/node/page/uid": [
      {
        "href": "http://localhost:8081/user/1?_format=hal_json",
        "lang": "en"
      }
    ],
    "http://localhost:8081/rest/relation/node/page/revision_uid": [
      {
        "href": "http://localhost:8081/user/1?_format=hal_json"
      }
    ]
  },
```


http://localhost/node/10
No environment
PATCH
http://localhost/node/10
Params
Send
Save
Authorization
Headers (2)
Body
Pre-request Script
Tests
Generate Code
Authorization
Basic YWRtaW46YWRtaW4=
Content-Type
application/hal+json
Presets
key
value
Bulk Edit
Body
Cookies
Headers (14)
Tests
Status: 204 No Content
Time: 2403 ms
Cache-Control → must-revalidate, no-cache, post-check=0, pre-check=0, private
Connection → close
Content-Type → text/html; charset=UTF-8
Content-language → en
Date → Mon, 21 Mar 2016 02:52:56 GMT


http://localhost/node/10
No environment
DELETE
http://localhost/node/10
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Generate Code
Authorization
Basic YWRtaW46YWRtaW4=
Presets
key
value
Bulk Edit
Body
Cookies
Headers (18)
Tests
Status: 204 No Content
Time: 1541 ms
Accept-Ranges → bytes
Age → 0
Cache-Control → must-revalidate, no-cache, post-check=0, pre-check=0, private
Connection → keep-alive
Content-Type → text/html; charset=UTF-8
Content-language → en
Date → Mon, 21 Mar 2016 03:11:10 GMT

```
[vagrant@localhost public]$ drupal generate:plugin:rest:resource

 // Welcome to the Drupal Plugin Rest Resource generator
 Enter the module name [entity_rest_extra]:
 > mastering_drupal_8

 Enter the plugin rest resource name [DefaultRestResource]:
 > UserPostsResource

 Enter the plugin rest resource id [user_posts_resource]:
 >

 Enter the plugin rest resource label [User posts resource]:
 >

 Enter the plugin rest resource url:
 > user/{user}/posts

 Please select what REST States implement in your resource (GET is selected by default):
  [0] GET
  [1] PUT
  [2] POST
  [3] DELETE
  [4] PATCH
  [5] HEAD
  [6] OPTIONS
 > 0


 Do you confirm generation? (yes/no) [yes]:
 >

Generated or updated files
 Site path: /vagrant/public
 1 - modules/custom/mastering_drupal_8/src/Plugin/rest/resource/UserPostsResource.php
 // cache:rebuild

 Rebuilding cache(s), wait a moment please.

[OK] Done clearing cache(s).
```

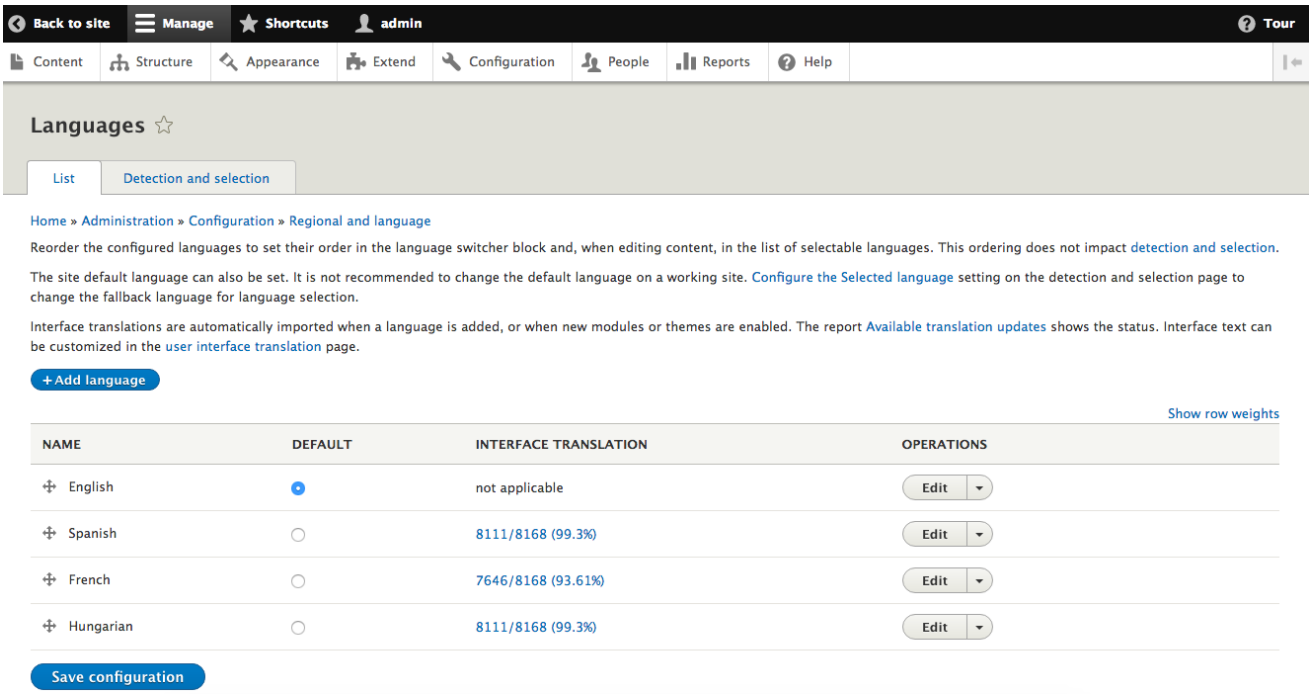
```php
  /**
   * Responds to GET requests.
   *
   * Returns a list of bundles for specified entity.
   *
   * @throws \Symfony\Component\HttpKernel\Exception\HttpException Throws exception expected.
   */
  public function get($user) {
    $page = \Drupal::request()->query->has('page') ? \Drupal::request()->query->get('page') : 0;

    // Load all nodes authored by the user
    $nids = \Drupal::entityQuery('node')
      ->condition('uid', $user)
      ->sort('created', 'ASC')
      ->pager()
      ->execute();

    // Load the nodes
    $nodes = Node::loadMultiple($nids);

    $response = new ResourceResponse($nodes);

    // Add URL cache context
    $metadata = new CacheableMetadata();
    $metadata->addCacheContexts([ 'url' ]);
    $response->addCacheableDependency($metadata);

    return $response;
  }
```

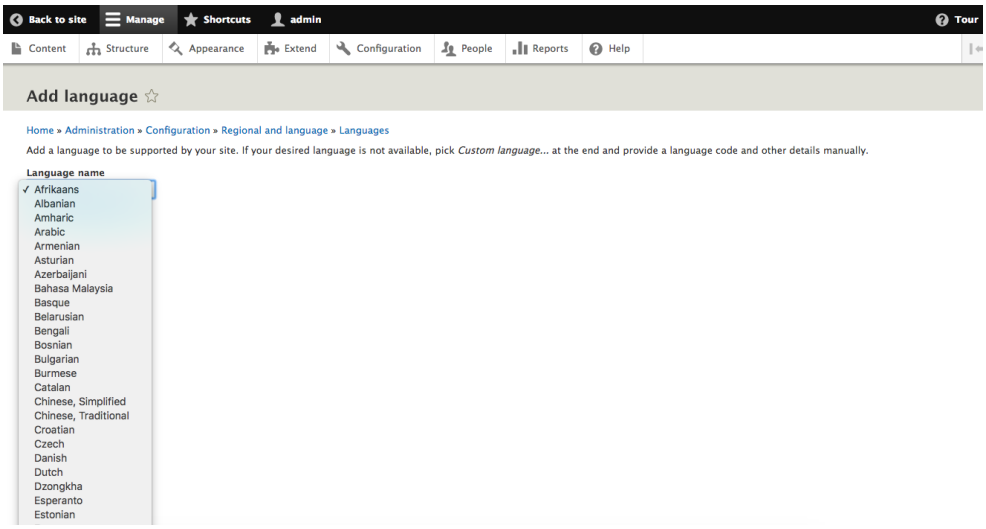
```php
/**
 * Responds to GET requests.
 *
 * Returns a list of bundles for specified entity.
 *
 * @throws \Symfony\Component\HttpKernel\Exception\HttpException
 *   Throws exception expected.
 */
public function get($user) {
  $page = \Drupal::request()->query->has('page') ? \Drupal::request()->query->get('page') : 0;

  // Get count of all nodes authored by the user
  $count = \Drupal::entityQuery('node')
    ->condition('uid', $user)
    ->count()
    ->execute();

  $pages = floor($count / 10);

  // Load all nodes authored by the user
  $nids = \Drupal::entityQuery('node')
    ->condition('uid', $user)
    ->sort('created', 'ASC')
    ->pager()
    ->execute();

  // Load the nodes
  $nodes = (sizeof($nids)) ? Node::loadMultiple($nids) : [];

  $links = [
    'self' => [ 'href' => $this->getPagerLink($user, $page) ],
    'start' => [ 'href' => $this->getPagerLink($user, 0) ],
    'last' => [ 'href' => $this->getPagerLink($user, $pages) ],
  ];

  if (0 < $page) {
    $links['prev'] = [ 'href' => $this->getPagerLink($user, ($page - 1)) ];
  }
  if (0 < $pages && $page != $pages) {
    $links['next'] = [ 'href' => $this->getPagerLink($user, ($page + 1)) ];
  }

  $response = new ResourceResponse([
    '_links' => $links,
    'total' => $count,
    'posts' => array_values($nodes)
  ]);

  // Add URL cache context
  $metadata = new CacheableMetadata();
  $metadata->addCacheContexts([ 'url.query_args:page' ]);
  $response->addCacheableDependency($metadata);

  return $response;
}
```

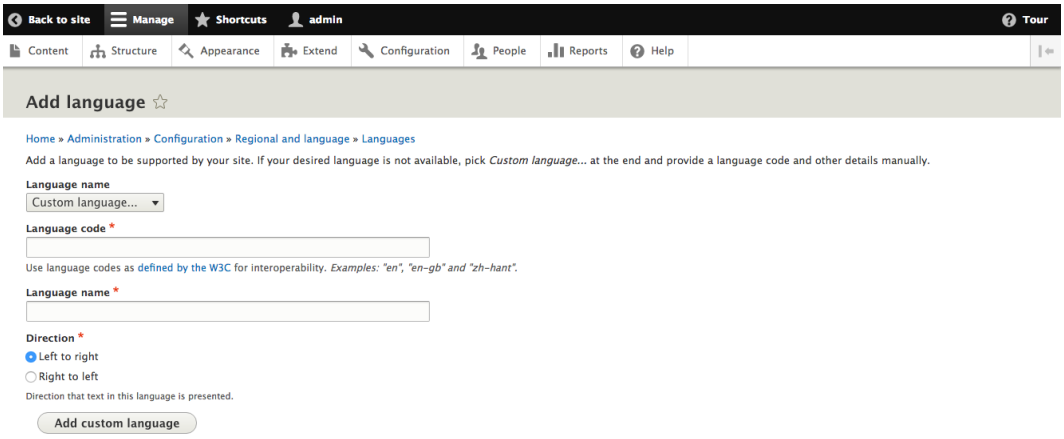
```php
/**
 * Responds to GET requests.
 *
 * Returns a list of bundles for specified entity.
 *
 * @throws \Symfony\Component\HttpKernel\Exception\HttpException Throws exception expected.
 */
public function get($user) {
  $page = \Drupal::request()->query->has('page') ? \Drupal::request()->query->get('page') : 0;

  // Load the user being requested
  $request_user = User::load($user);

  $filter_unpublished = !$this->canSeeUnpublished($request_user);

  // Get count of all nodes authored by the user
  $count_query = \Drupal::entityQuery('node')
    ->condition('uid', $user);

  if ($filter_unpublished) {
    $count_query->condition('status', 1);
  }

  $count_query->count()
    ->addTag('node_access')
    ->addMetaData('op', 'view')
    ->addMetaData('account', $this->currentUser->getAccount());

  $count = $count_query->execute();

  // Load all nodes authored by the user
  $node_query = \Drupal::entityQuery('node')
    ->condition('uid', $user);

  if ($filter_unpublished) {
    $node_query->condition('status', 1);
  }

  $node_query->sort('created', 'ASC')
    ->pager()
    ->addTag('node_access')
    ->addMetaData('op', 'view')
    ->addMetaData('account', $this->currentUser->getAccount());

  $nids = $node_query->execute();

  // Load the nodes
  $nodes = Node::loadMultiple($nids);

  $links = [
    'self' => [ 'href' => $this->getPagerLink($user, $page) ],
    'start' => [ 'href' => $this->getPagerLink($user, 0) ],
    'last' => [ 'href' => $this->getPagerLink($user, (ceil($count / 10) - 1)) ],
  ];

  $response = new ResourceResponse([
    'links' => $links,
    'total' => $count,
    'posts' => array_values($nodes)
  ]);

  // Add URL cache context
  $metadata = new CacheableMetadata();
  $metadata->addCacheContexts([ 'url.query_args:page' ]);
  $response->addCacheableDependency($metadata);

  return $response;
}
```

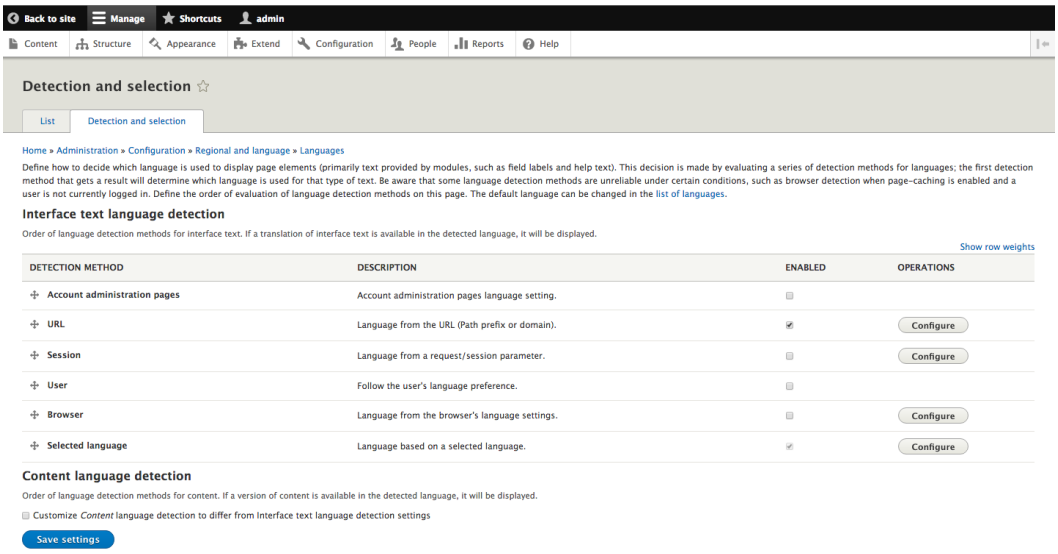
```php
public function get($user) {
  $page = \Drupal::request()->query->has('page') ? \Drupal::request()->query->get('page') : 0;

  // Load the user being requested
  $request_user = User::load($user);

  // Ensure the requesting user is able to view the requested user
  $entity_access = $request_user->access('view', $this->currentUser, TRUE);
  if (!$entity_access->isAllowed()) {
    throw new AccessDeniedHttpException();
  }

  $filter_unpublished = !$this->canSeeUnpublished($request_user);

  // Get count of all nodes authored by the user
  $count_query = \Drupal::entityQuery('node')
    ->condition('uid', $user);

  if ($filter_unpublished) {
    $count_query->condition('status', 1);
  }

  $count_query->count()
    ->addTag('node_access')
    ->addMetaData('op', 'view')
    ->addMetaData('account', $this->currentUser->getAccount());

  $count = $count_query->execute();

  // Load all nodes authored by the user
  $node_query = \Drupal::entityQuery('node')
    ->condition('uid', $user);

  if ($filter_unpublished) {
    $node_query->condition('status', 1);
  }

  $node_query->sort('created', 'ASC')
    ->pager()
    ->addTag('node_access')
    ->addMetaData('op', 'view')
    ->addMetaData('account', $this->currentUser->getAccount());

  $nids = $node_query->execute();

  // Load the nodes
  $nodes = Node::loadMultiple($nids);

  $links = [
    'self' => [ 'href' => $this->getPagerLink($user, $page) ],
    'start' => [ 'href' => $this->getPagerLink($user, 0) ],
    'last' => [ 'href' => $this->getPagerLink($user, (ceil($count / 10) - 1)) ],
  ];

  $response = new ResourceResponse([
    'links' => $links,
    'total' => $count,
    'posts' => array_values($nodes)
  ]);

  // Add URL cache context
  $metadata = new CacheableMetadata();
  $metadata->addCacheContexts([ 'url.query_args:page' ]);
  $response->addCacheableDependency($metadata);
  $response->addCacheableDependency($entity_access);

  return $response;
}
```

Chapter 13: Multilingual Capabilities

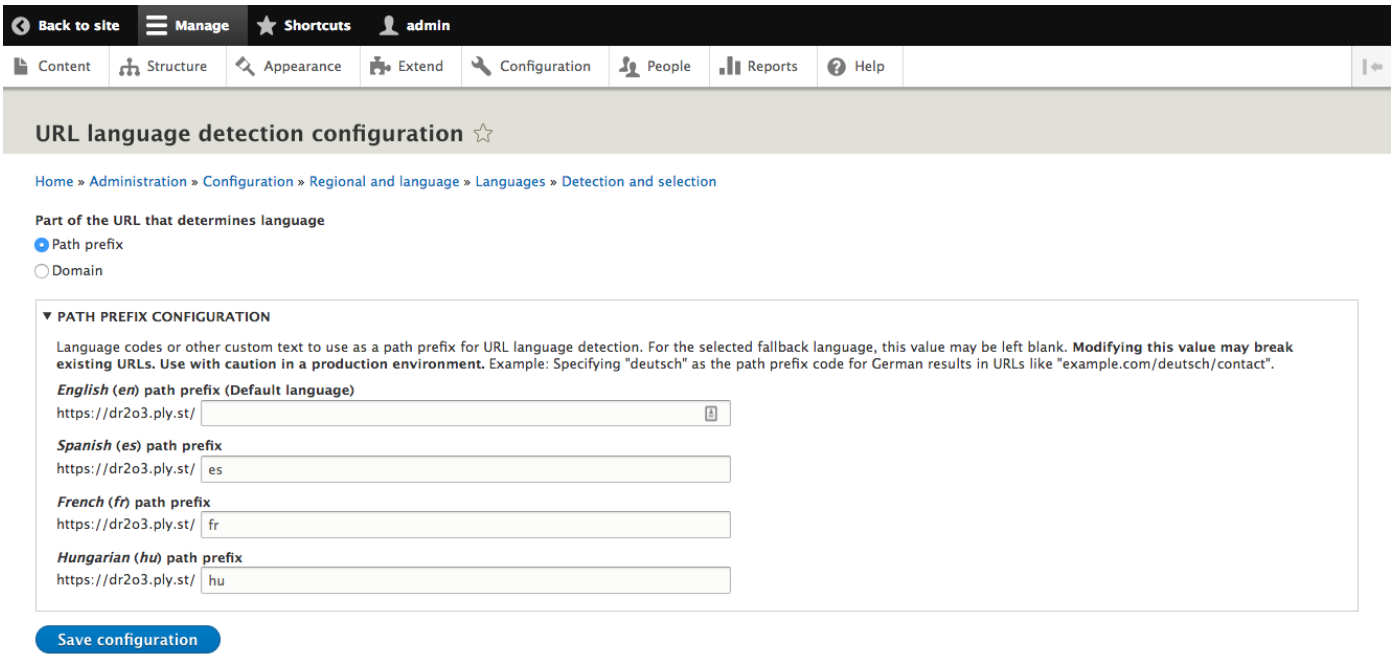


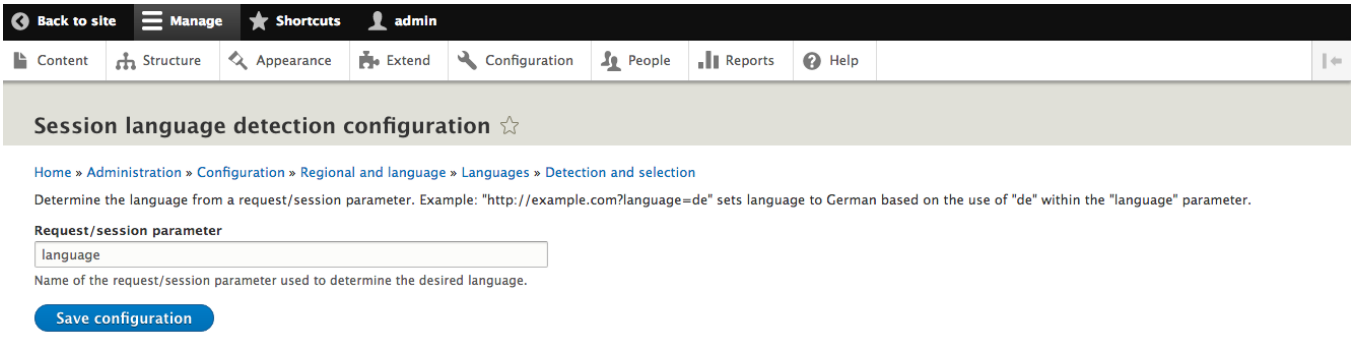

Back to site
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Add language
Home » Administration » Configuration » Regional and language » Languages
Add a language to be supported by your site. If your desired language is not available, pick Custom language... at the end and provide a language code and other details manually.
Language name
✓ Afrikaans
Albanian
Amharic
Arabic
Armenian
Asturian
Azerbaijani
Bahasa Malaysia
Basque
Belarusian
Bengali
Bosnian
Bulgarian
Burmese
Catalan
Chinese, Simplified
Chinese, Traditional
Croatian
Czech
Danish
Dutch
Dzongkha
Esperanto
Estonian

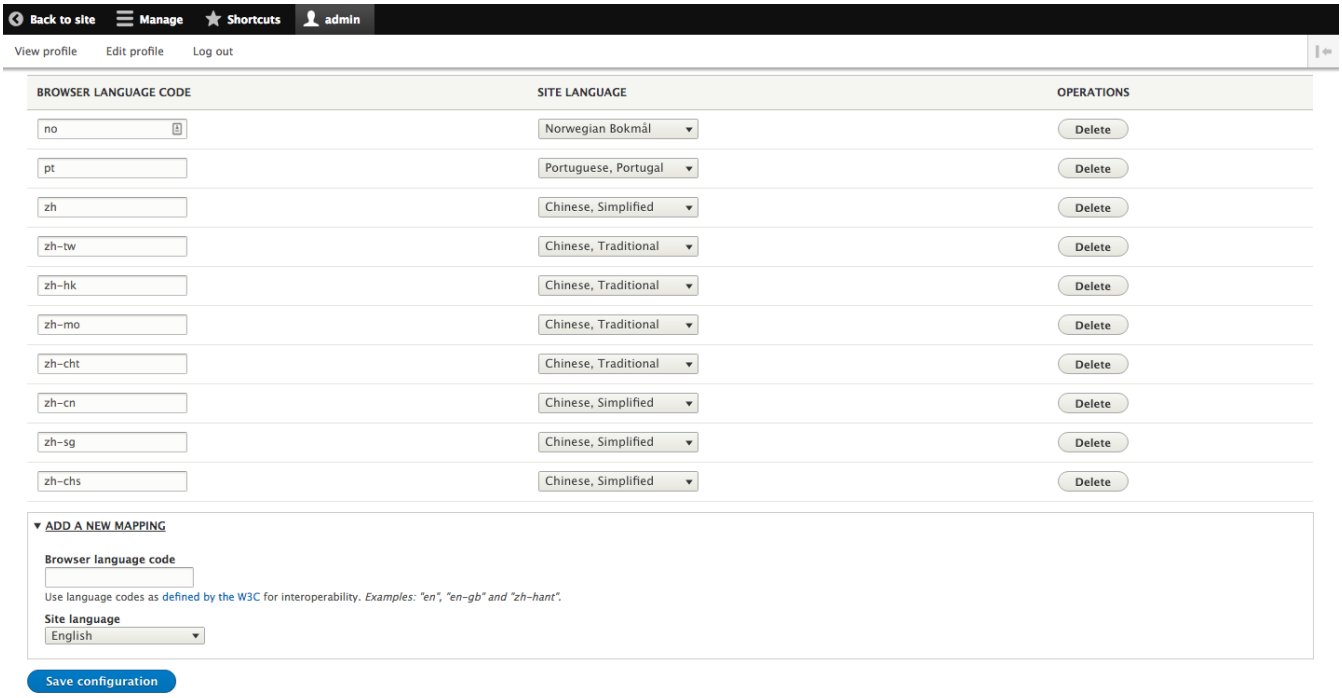

Back to site
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Add language
Home » Administration » Configuration » Regional and language » Languages
Add a language to be supported by your site. If your desired language is not available, pick Custom language... at the end and provide a language code and other details manually.
Language name
Custom language...
Language code *
Use language codes as defined by the W3C for interoperability. Examples: "en", "en-gb" and "zh-hant".
Language name *
Direction *
Left to right
Right to left
Direction that text in this language is presented.
Add custom language

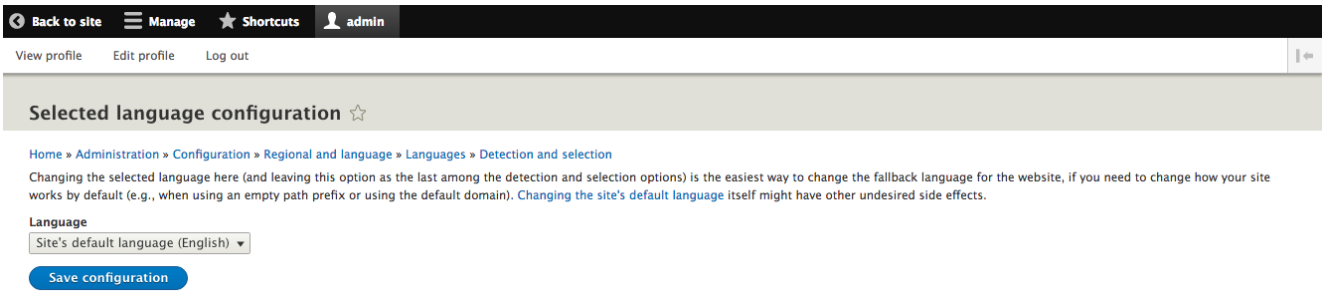

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Detection and selection
List
Detection and selection
Home » Administration » Configuration » Regional and language » Languages
Define how to decide which language is used to display page elements (primarily text provided by modules, such as field labels and help text). This decision is made by evaluating a series of detection methods for languages; the first detection method that gets a result will determine which language is used for that type of text. Be aware that some language detection methods are unreliable under certain conditions, such as browser detection when page-caching is enabled and a user is not currently logged in. Define the order of evaluation of language detection methods on this page. The default language can be changed in the list of languages.
Interface text language detection
Order of language detection methods for interface text. If a translation of interface text is available in the detected language, it will be displayed.
Show row weights
DETECTION METHOD
DESCRIPTION
ENABLED
OPERATIONS
Account administration pages
Account administration pages language setting.
URL
Language from the URL (Path prefix or domain).
Configure
Session
Language from a request/session parameter.
Configure
User
Follow the user's language preference.
Browser
Language from the browser's language settings.
Configure
Selected language
Language based on a selected language.
Configure
Content language detection
Order of language detection methods for content. If a version of content is available in the detected language, it will be displayed.
Customize Content language detection to differ from Interface text language detection settings
Save settings

LANGUAGE SETTINGS
Site language
English
This account's preferred language for emails. This is also assumed to be the primary language of this account's profile information.
Administration pages language
– No preference –


Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
URL language detection configuration
Home » Administration » Configuration » Regional and language » Languages » Detection and selection
Part of the URL that determines language
Path prefix
Domain
PATH PREFIX CONFIGURATION
Language codes or other custom text to use as a path prefix for URL language detection. For the selected fallback language, this value may be left blank. Modifying this value may break existing URLs. Use with caution in a production environment. Example: Specifying "deutsch" as the path prefix code for German results in URLs like "example.com/deutsch/contact".
English (en) path prefix (Default language)
https://dr2o3.ply.st/
Spanish (es) path prefix
https://dr2o3.ply.st/ es
French (fr) path prefix
https://dr2o3.ply.st/ fr
Hungarian (hu) path prefix
https://dr2o3.ply.st/ hu
Save configuration


Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Session language detection configuration
Home » Administration » Configuration » Regional and language » Languages » Detection and selection
Determine the language from a request/session parameter. Example: "http://example.com?language=de" sets language to German based on the use of "de" within the "language" parameter.
Request/session parameter
language
Name of the request/session parameter used to determine the desired language.
Save configuration


Back to site
Manage
Shortcuts
admin
View profile
Edit profile
Log out
BROWSER LANGUAGE CODE
SITE LANGUAGE
OPERATIONS
no
Norwegian Bokmål
Delete
pt
Portuguese, Portugal
Delete
zh
Chinese, Simplified
Delete
zh-tw
Chinese, Traditional
Delete
zh-hk
Chinese, Traditional
Delete
zh-mo
Chinese, Traditional
Delete
zh-cht
Chinese, Traditional
Delete
zh-cn
Chinese, Simplified
Delete
zh-sg
Chinese, Simplified
Delete
zh-chs
Chinese, Simplified
Delete
ADD A NEW MAPPING
Browser language code
Use language codes as defined by the W3C for interoperability. Examples: "en", "en-gb" and "zh-hant".
Site language
English
Save configuration


Back to site
Manage
Shortcuts
admin
View profile
Edit profile
Log out
Selected language configuration
Home » Administration » Configuration » Regional and language » Languages » Detection and selection
Changing the selected language here (and leaving this option as the last among the detection and selection options) is the easiest way to change the fallback language for the website, if you need to change how your site works by default (e.g., when using an empty path prefix or using the default domain). Changing the site's default language itself might have other undesired side effects.
Language
Site's default language (English)
Save configuration

Content language detection

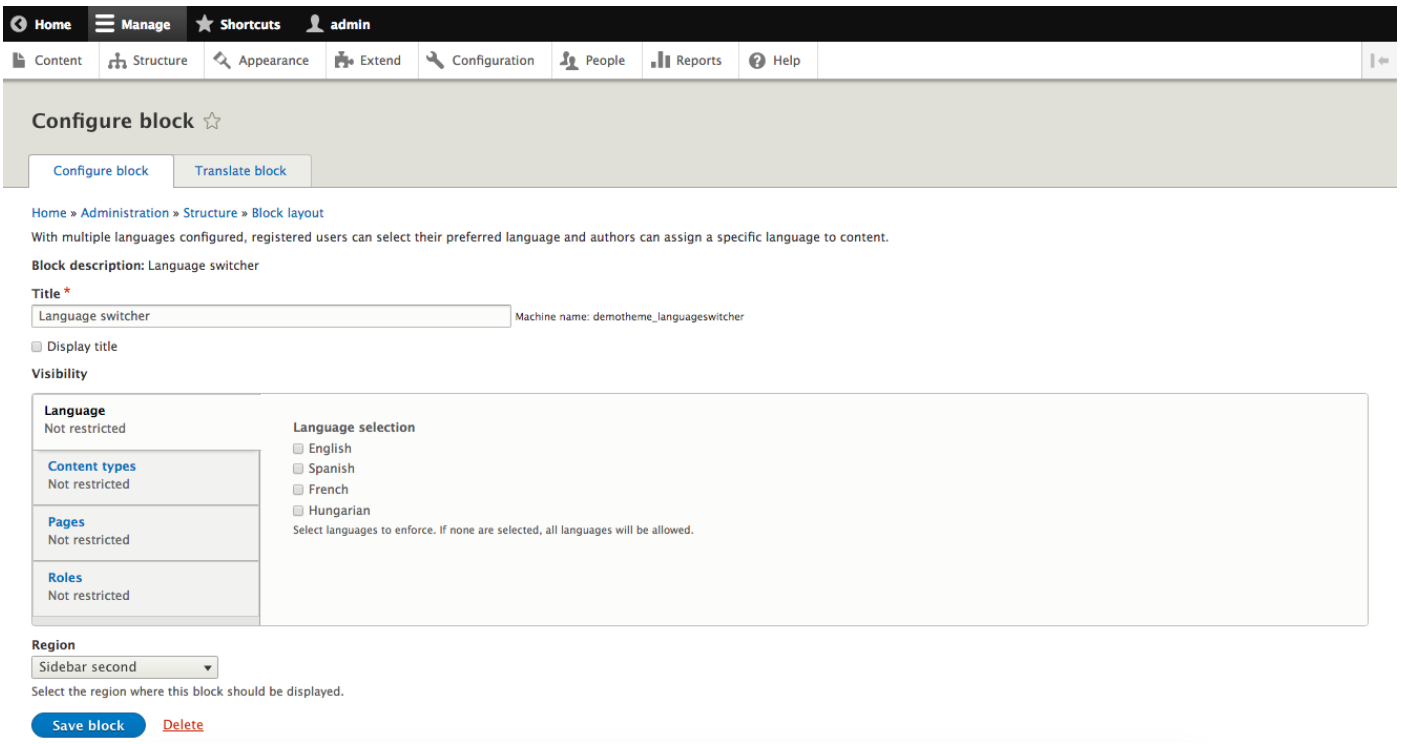
Order of language detection methods for content. If a version of content is available in the detected language, it will be displayed.

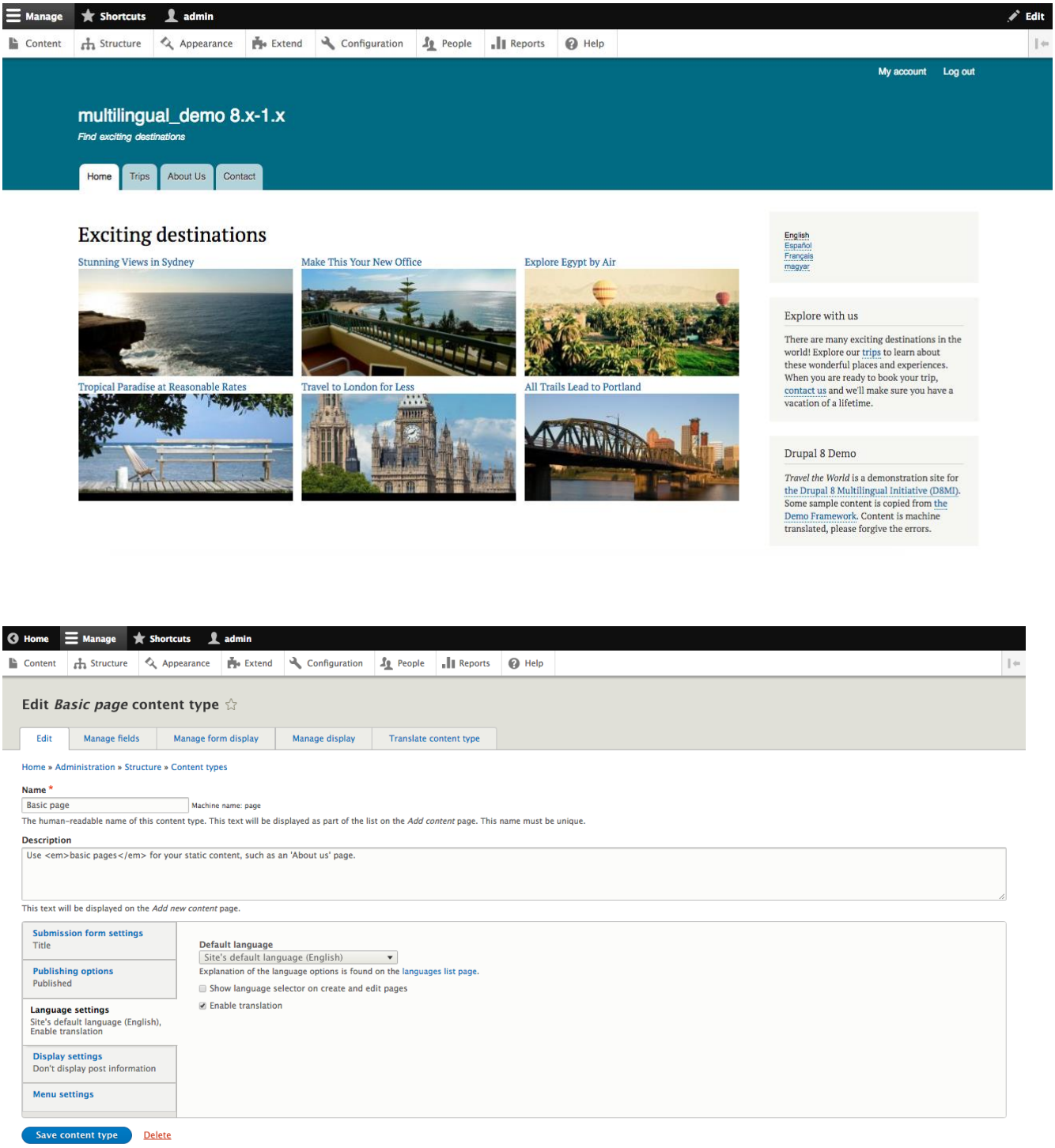
☑ Customize *Content* language detection to differ from Interface text language detection settings

Show row weights

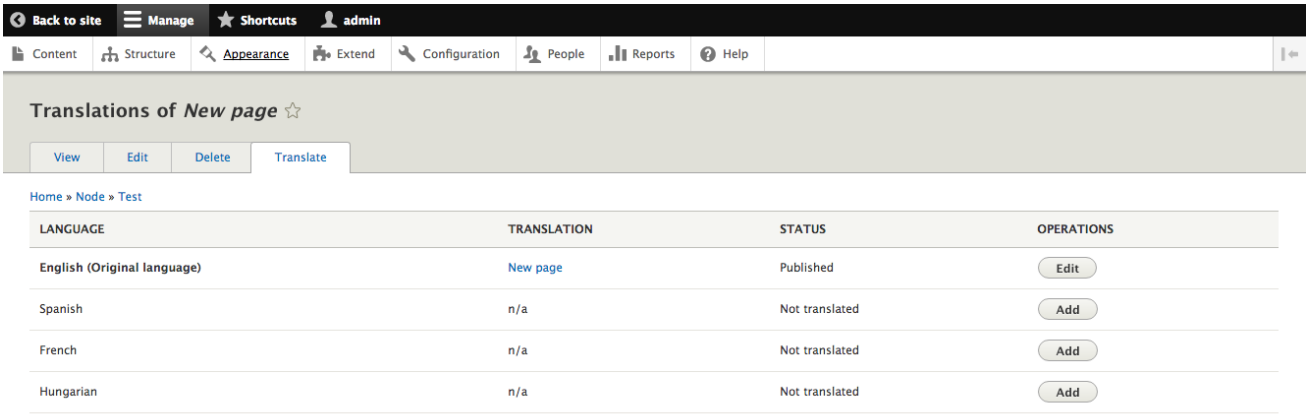
DETECTION METHOD	DESCRIPTION	ENABLED	OPERATIONS
Content language	Determines the content language from a request parameter.	☐	
URL	Language from the URL (Path prefix or domain).	☐	Configure
Session	Language from a request/session parameter.	☐	Configure
User	Follow the user's language preference.	☐	
Browser	Language from the browser's language settings.	☐	Configure
Interface	Use the detected interface language.	☑	
Selected language	Language based on a selected language.	☑	Configure

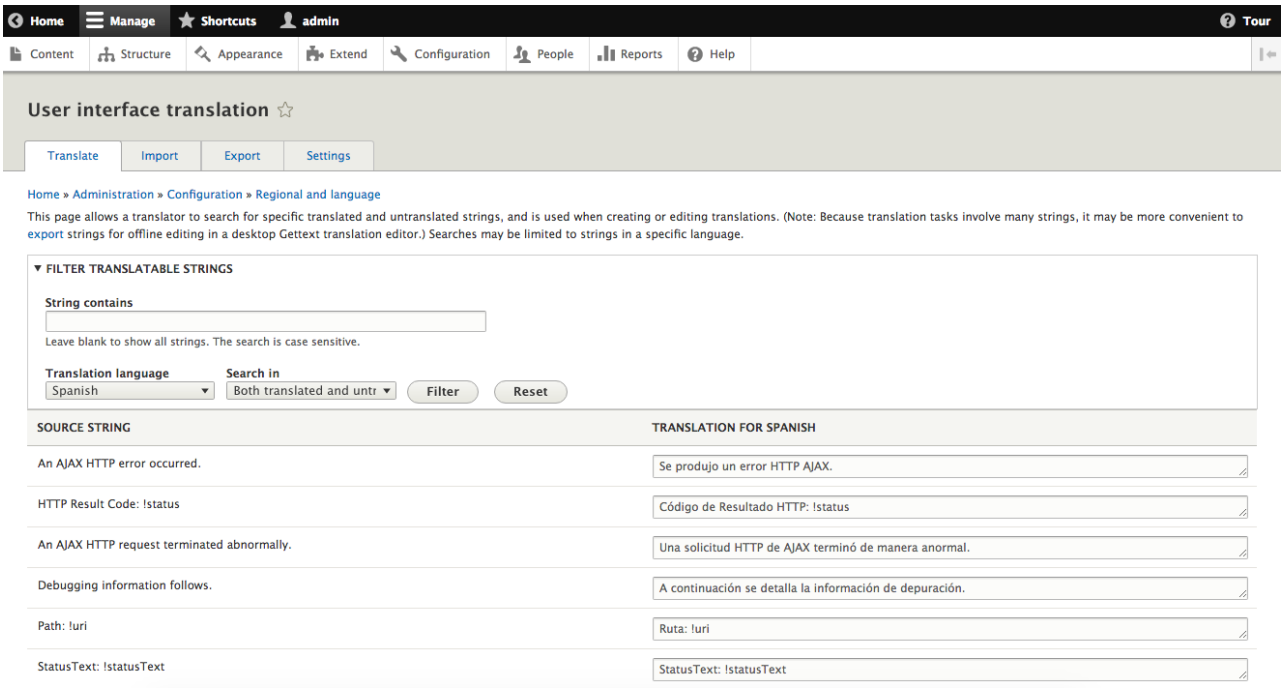
Save settings



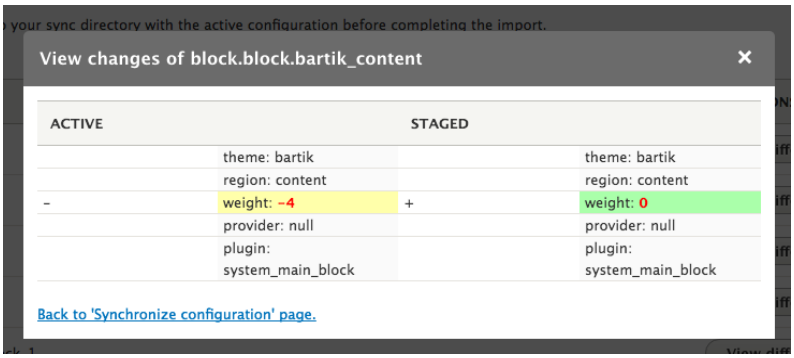

Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
multilingual_demo 8.x-1.x
Find exciting destinations
Home
Trips
About Us
Contact
Exciting destinations
Stunning Views in Sydney
Make This Your New Office
Explore Egypt by Air
Tropical Paradise at Reasonable Rates
Travel to London for Less
All Trails Lead to Portland
English
Español
Français
magyar
Explore with us
There are many exciting destinations in the world! Explore our trips to learn about these wonderful places and experiences. When you are ready to book your trip, contact us and we'll make sure you have a vacation of a lifetime.
Drupal 8 Demo
Travel the World is a demonstration site for the Drupal 8 Multilingual Initiative (D8MI). Some sample content is copied from the Demo Framework. Content is machine translated, please forgive the errors.

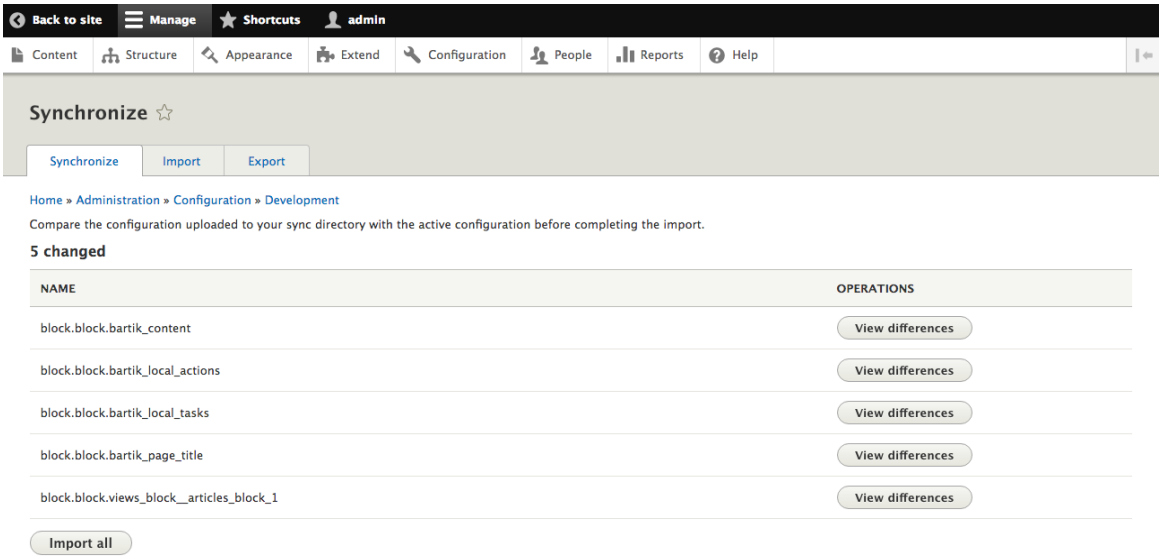
Home
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Edit Basic page content type
Edit
Manage fields
Manage form display
Manage display
Translate content type
Home » Administration » Structure » Content types
Name *
Basic page
Machine name: page
The human-readable name of this content type. This text will be displayed as part of the list on the Add content page. This name must be unique.
Description
Use basic pages for your static content, such as an 'About us' page.
This text will be displayed on the Add new content page.
Submission form settings
Title
Publishing options
Published
Language settings
Site's default language (English), Enable translation
Display settings
Don't display post information
Menu settings
Default language
Site's default language (English)
Explanation of the language options is found on the languages list page.
Show language selector on create and edit pages
Enable translation
Save content type
Delete

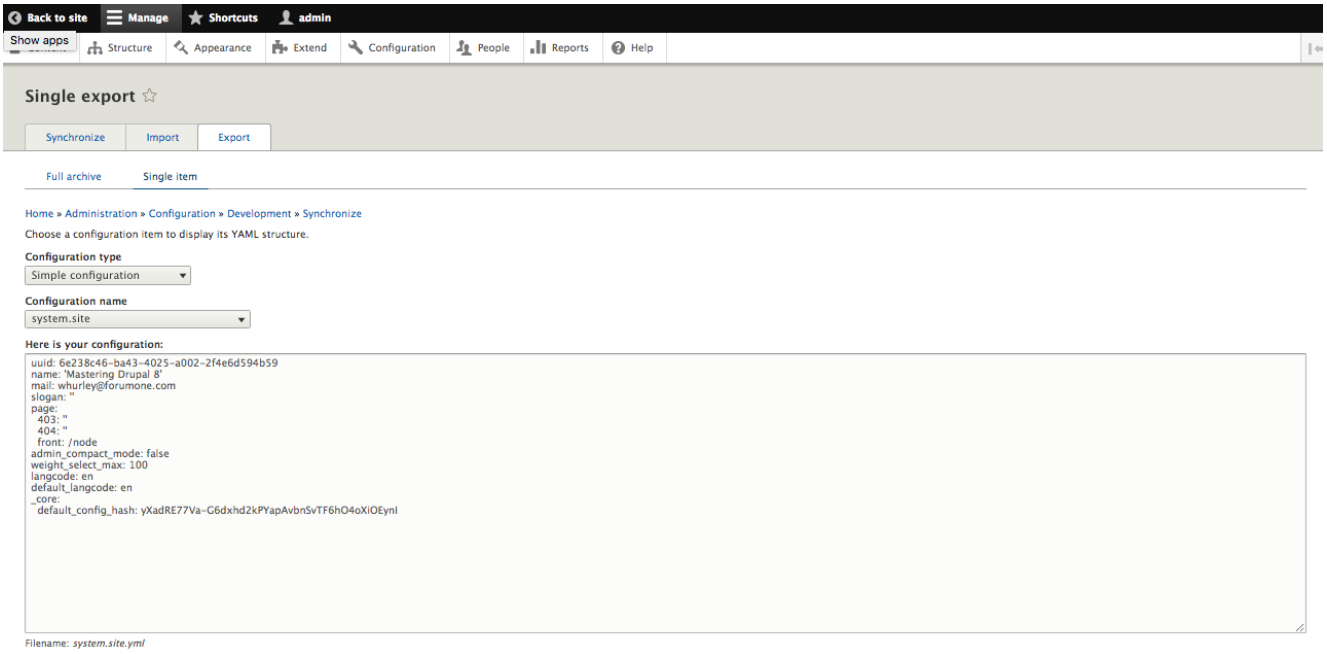

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Translations of New page
View
Edit
Delete
Translate
Home » Node » Test
LANGUAGE
TRANSLATION
STATUS
OPERATIONS
English (Original language)
New page
Published
Edit
Spanish
n/a
Not translated
Add
French
n/a
Not translated
Add
Hungarian
n/a
Not translated
Add

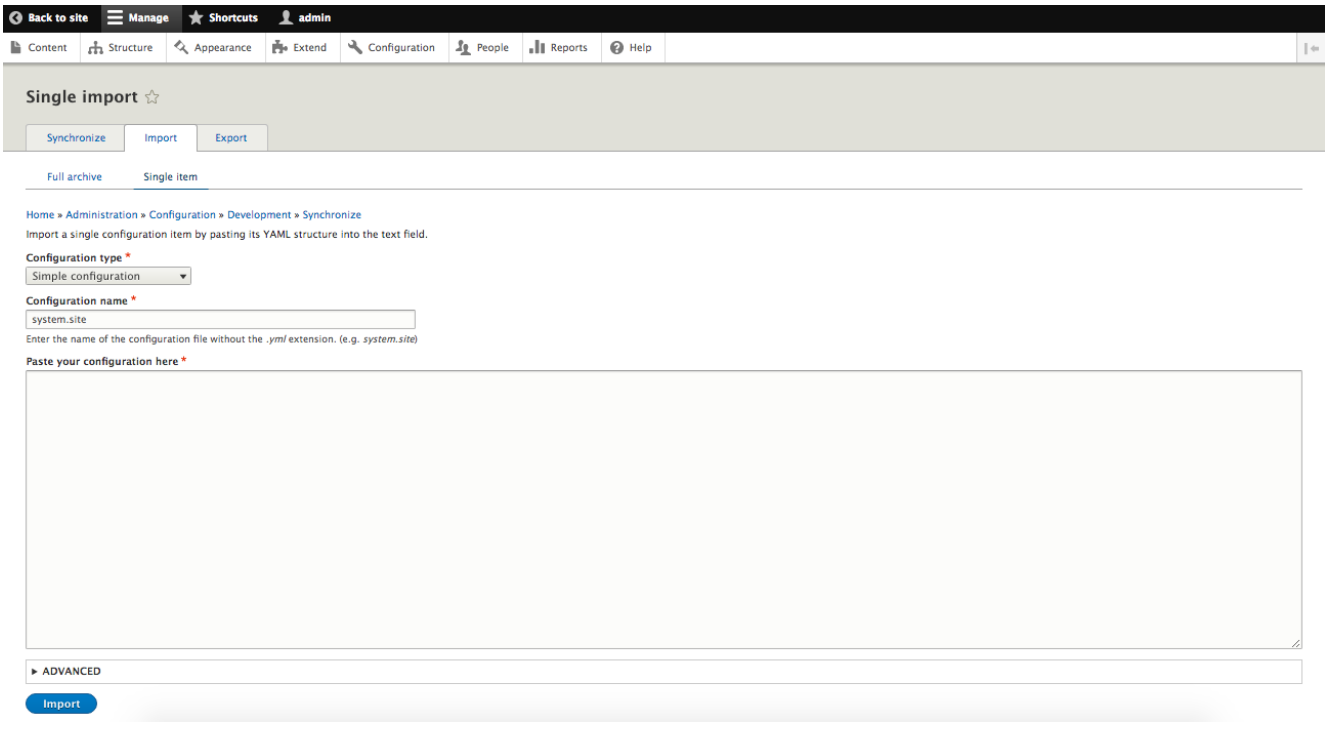

Home
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
User interface translation
Translate
Import
Export
Settings
Home » Administration » Configuration » Regional and language
This page allows a translator to search for specific translated and untranslated strings, and is used when creating or editing translations. (Note: Because translation tasks involve many strings, it may be more convenient to export strings for offline editing in a desktop Gettext translation editor.) Searches may be limited to strings in a specific language.
FILTER TRANSLATABLE STRINGS
String contains
Leave blank to show all strings. The search is case sensitive.
Translation language
Spanish
Search in
Both translated and untr
Filter
Reset
SOURCE STRING
TRANSLATION FOR SPANISH
An AJAX HTTP error occurred.
Se produjo un error HTTP AJAX.
HTTP Result Code: !status
Código de Resultado HTTP: !status
An AJAX HTTP request terminated abnormally.
Una solicitud HTTP de AJAX terminó de manera anormal.
Debugging information follows.
A continuación se detalla la información de depuración.
Path: !uri
Ruta: !uri
StatusText: !statusText
StatusText: !statusText

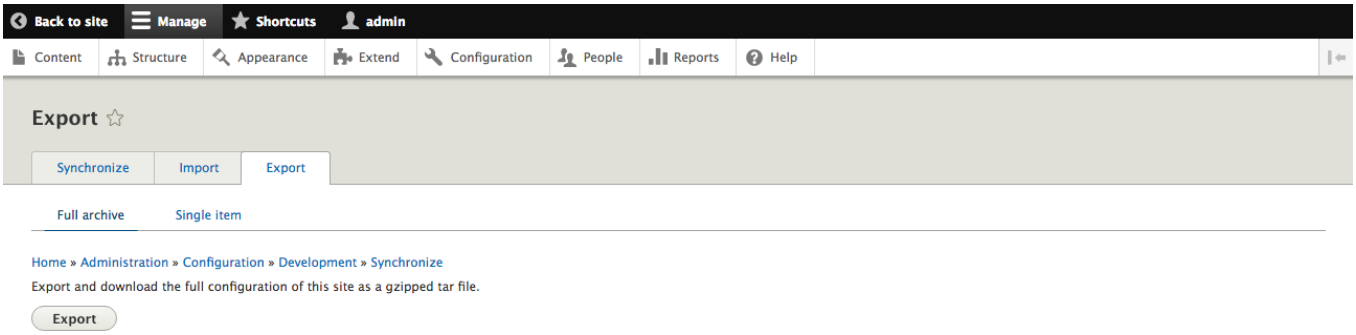
Chapter 14: Configuration Management

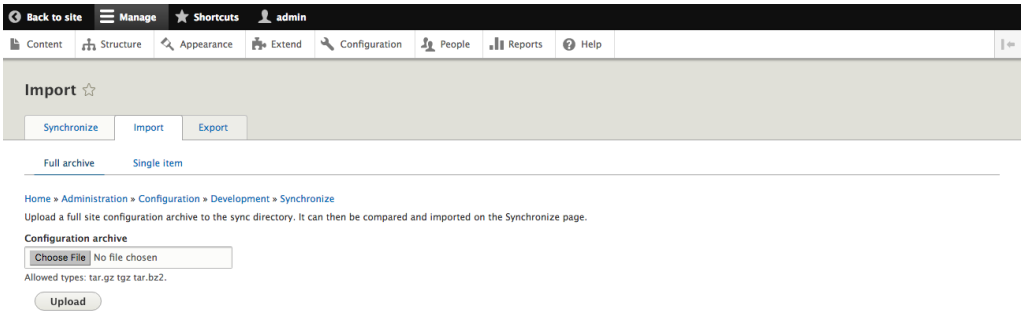


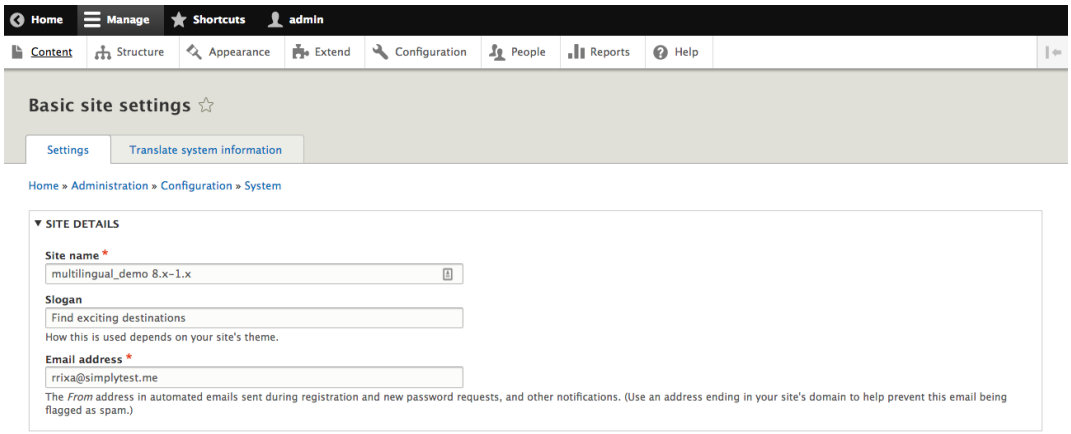


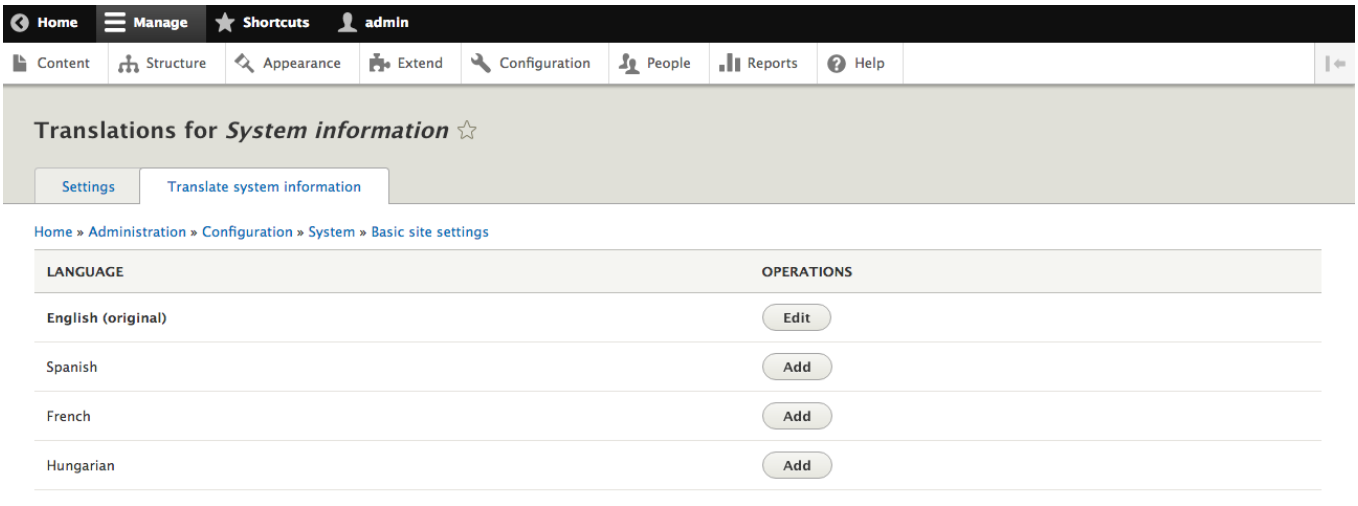

Back to site
Manage
Shortcuts
admin
Show apps
Structure
Appearance
Extend
Configuration
People
Reports
Help
Single export
Synchronize
Import
Export
Full archive
Single item
Home » Administration » Configuration » Development » Synchronize
Choose a configuration item to display its YAML structure.
Configuration type
Simple configuration
Configuration name
system.site
Here is your configuration:
uuid: 6e238c46-ba43-4025-a002-2f4e6d594b59
name: 'Mastering Drupal 8'
mail: whurley@forumone.com
slogan: ''
page:
403: ''
404: ''
front: /node
admin_compact_mode: false
weight_select_max: 100
langcode: en
default_langcode: en
_core:
default_config_hash: yXadRE77Va-G6dxhd2kPYapAvbnSvTF6hO4oXiOEynI
Filename: system.site.yml

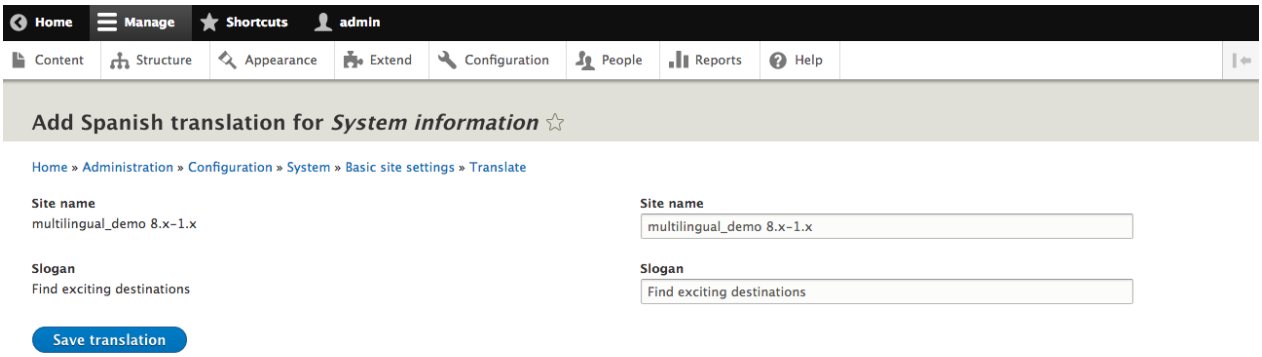

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Single import
Synchronize
Import
Export
Full archive
Single item
Home » Administration » Configuration » Development » Synchronize
Import a single configuration item by pasting its YAML structure into the text field.
Configuration type *
Simple configuration
Configuration name *
system.site
Enter the name of the configuration file without the .yml extension. (e.g. system.site)
Paste your configuration here *
ADVANCED
Import

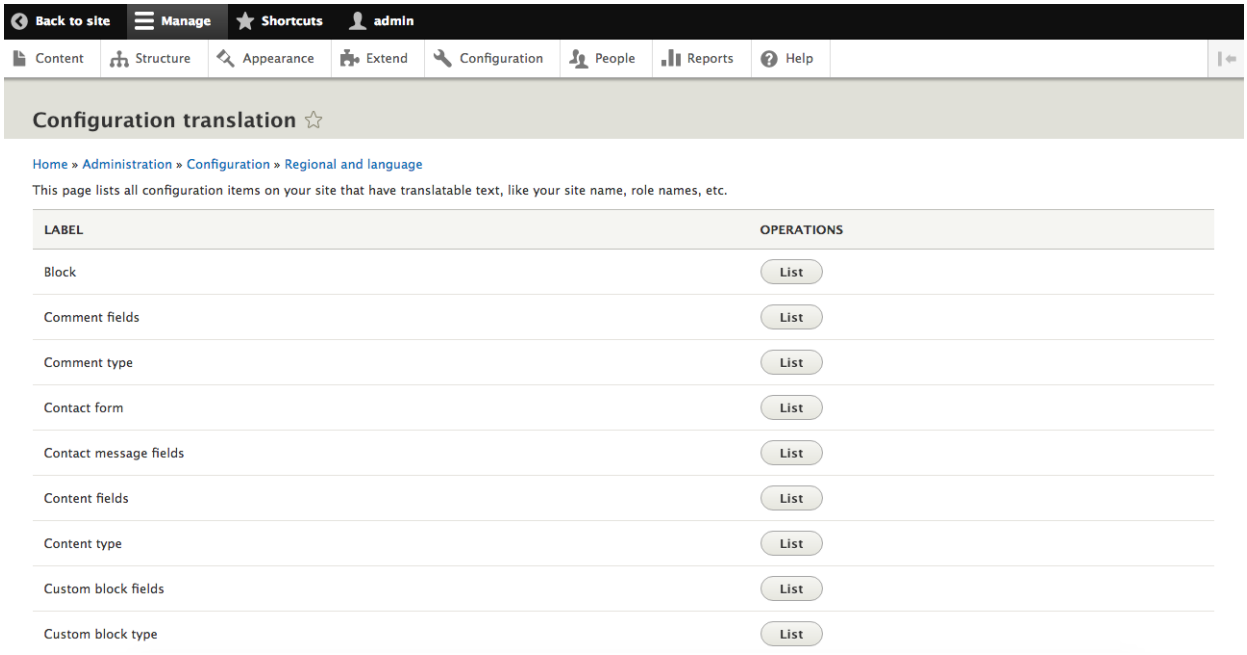

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Export
Synchronize
Import
Export
Full archive
Single item
Home » Administration » Configuration » Development » Synchronize
Export and download the full configuration of this site as a gzipped tar file.
Export

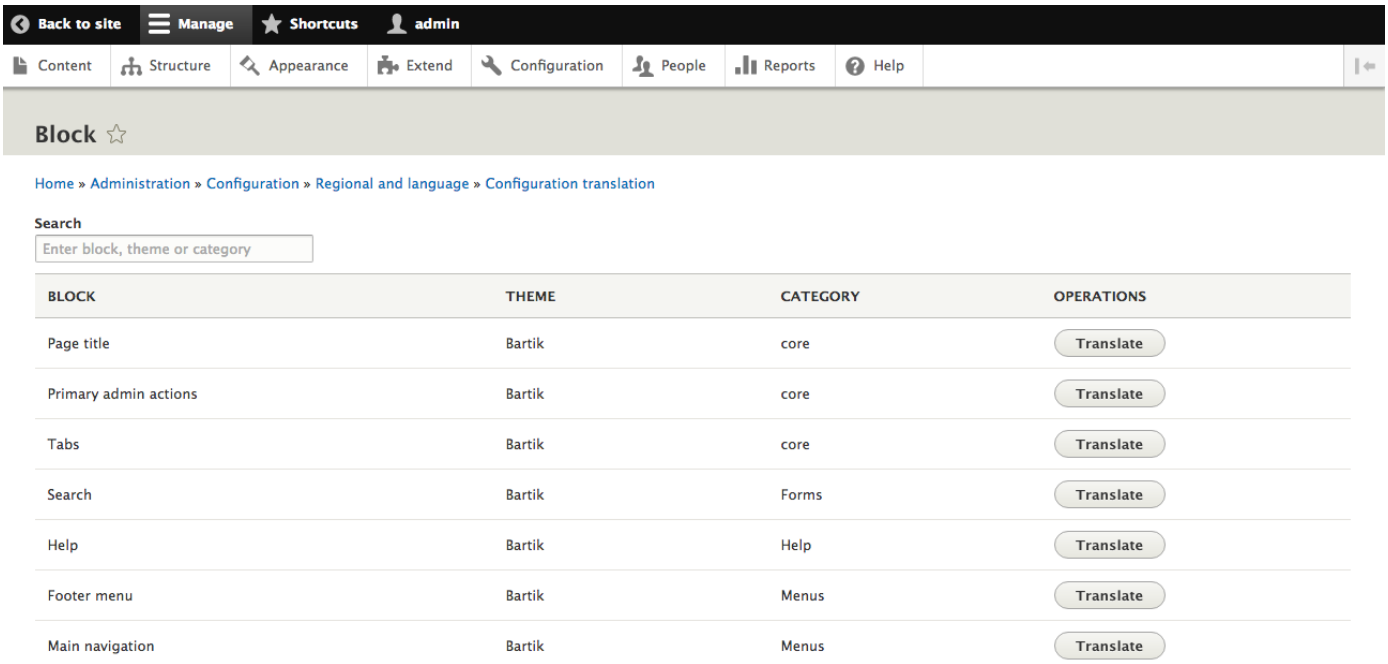

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Import
Synchronize
Import
Export
Full archive
Single item
Home » Administration » Configuration » Development » Synchronize
Upload a full site configuration archive to the sync directory. It can then be compared and imported on the Synchronize page.
Configuration archive
Choose File
No file chosen
Allowed types: tar.gz tgz tar.bz2.
Upload

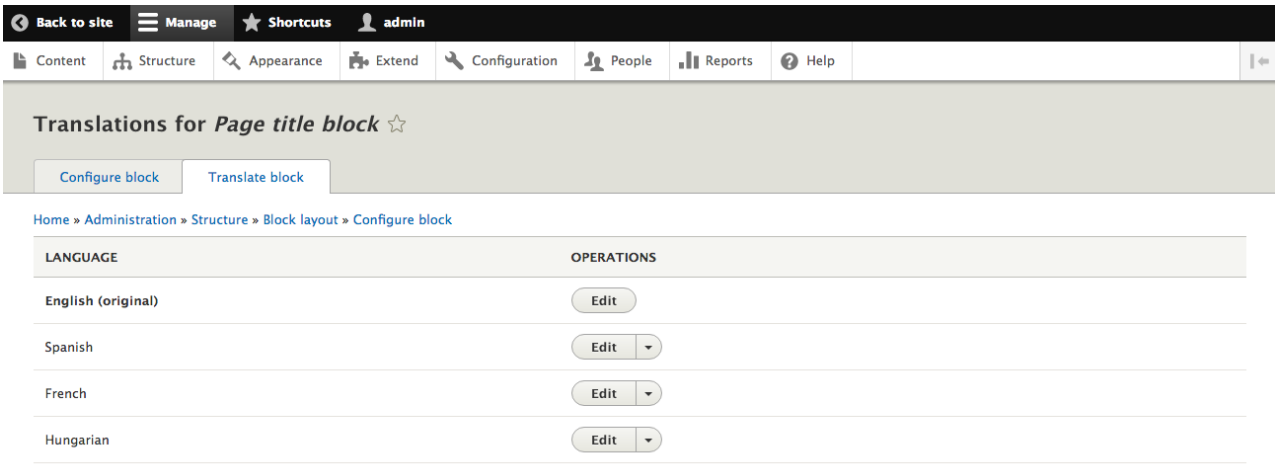

Home
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Basic site settings
Settings
Translate system information
Home » Administration » Configuration » System
SITE DETAILS
Site name *
multilingual_demo 8.x-1.x
Slogan
Find exciting destinations
How this is used depends on your site's theme.
Email address *
rrixa@simplytest.me
The From address in automated emails sent during registration and new password requests, and other notifications. (Use an address ending in your site's domain to help prevent this email being flagged as spam.)

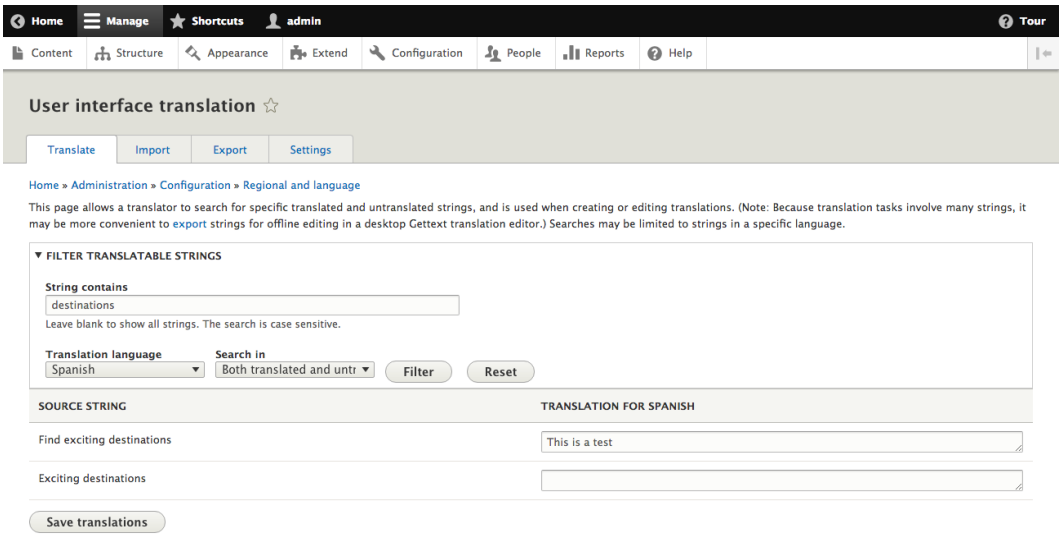

Home
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Translations for System information
Settings
Translate system information
Home » Administration » Configuration » System » Basic site settings
LANGUAGE
OPERATIONS
English (original)
Edit
Spanish
Add
French
Add
Hungarian
Add


Home
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Add Spanish translation for System information
Home » Administration » Configuration » System » Basic site settings » Translate
Site name
multilingual_demo 8.x-1.x
Site name
multilingual_demo 8.x-1.x
Slogan
Find exciting destinations
Slogan
Find exciting destinations
Save translation

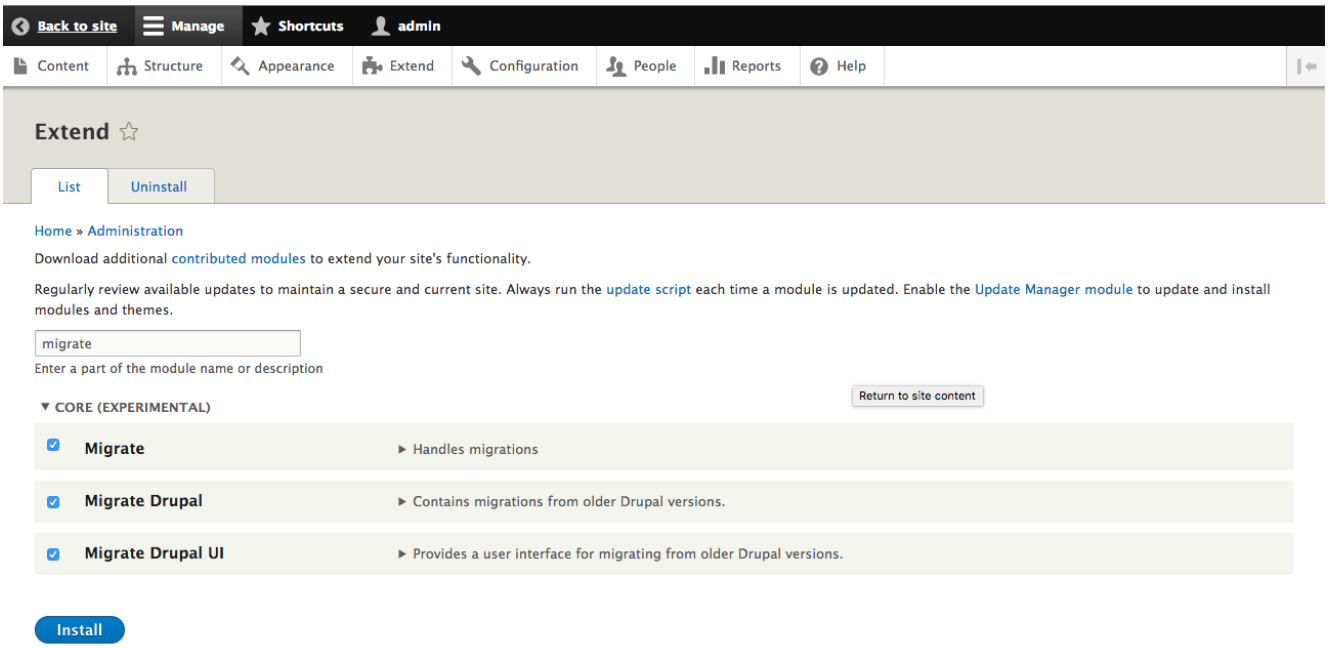

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Configuration translation
Home » Administration » Configuration » Regional and language
This page lists all configuration items on your site that have translatable text, like your site name, role names, etc.
LABEL
OPERATIONS
Block
List
Comment fields
List
Comment type
List
Contact form
List
Contact message fields
List
Content fields
List
Content type
List
Custom block fields
List
Custom block type
List

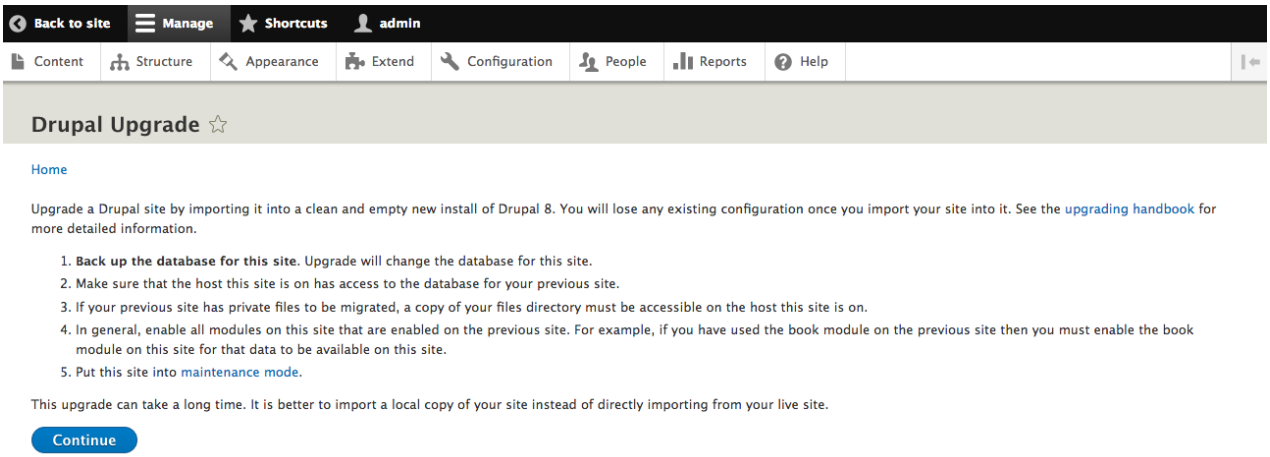

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Block
Home » Administration » Configuration » Regional and language » Configuration translation
Search
Enter block, theme or category
BLOCK
THEME
CATEGORY
OPERATIONS
Page title
Bartik
core
Translate
Primary admin actions
Bartik
core
Translate
Tabs
Bartik
core
Translate
Search
Bartik
Forms
Translate
Help
Bartik
Help
Translate
Footer menu
Bartik
Menus
Translate
Main navigation
Bartik
Menus
Translate

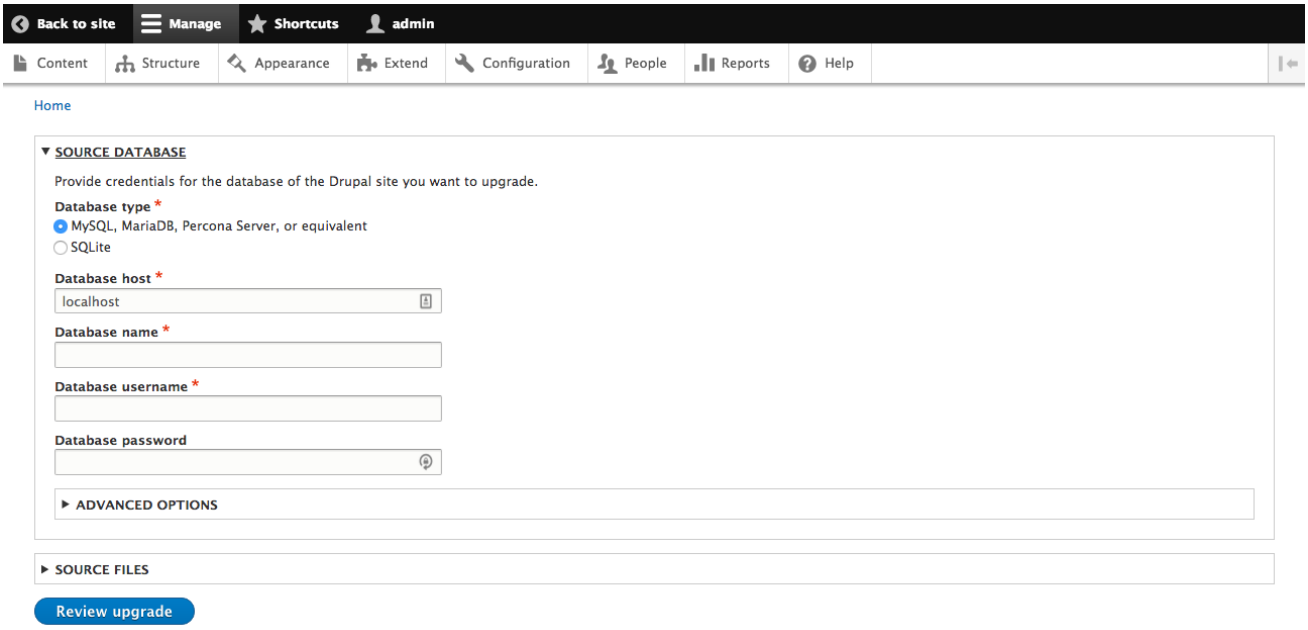

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Translations for Page title block
Configure block
Translate block
Home » Administration » Structure » Block layout » Configure block
LANGUAGE
OPERATIONS
English (original)
Edit
Spanish
Edit
French
Edit
Hungarian
Edit

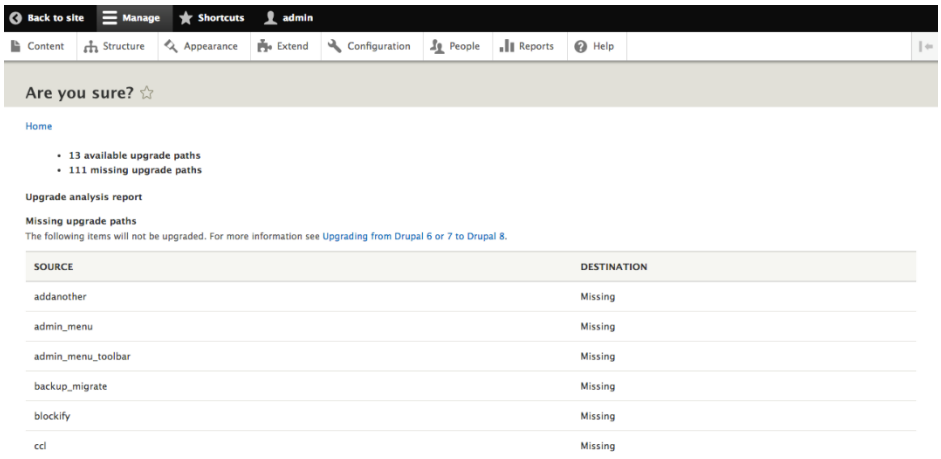

Home
Manage
Shortcuts
admin
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
User interface translation
Translate
Import
Export
Settings
Home » Administration » Configuration » Regional and language
This page allows a translator to search for specific translated and untranslated strings, and is used when creating or editing translations. (Note: Because translation tasks involve many strings, it may be more convenient to export strings for offline editing in a desktop Gettext translation editor.) Searches may be limited to strings in a specific language.
FILTER TRANSLATABLE STRINGS
String contains
destinations
Leave blank to show all strings. The search is case sensitive.
Translation language
Spanish
Search in
Both translated and untr
Filter
Reset
SOURCE STRING
TRANSLATION FOR SPANISH
Find exciting destinations
This is a test
Exciting destinations
Save translations

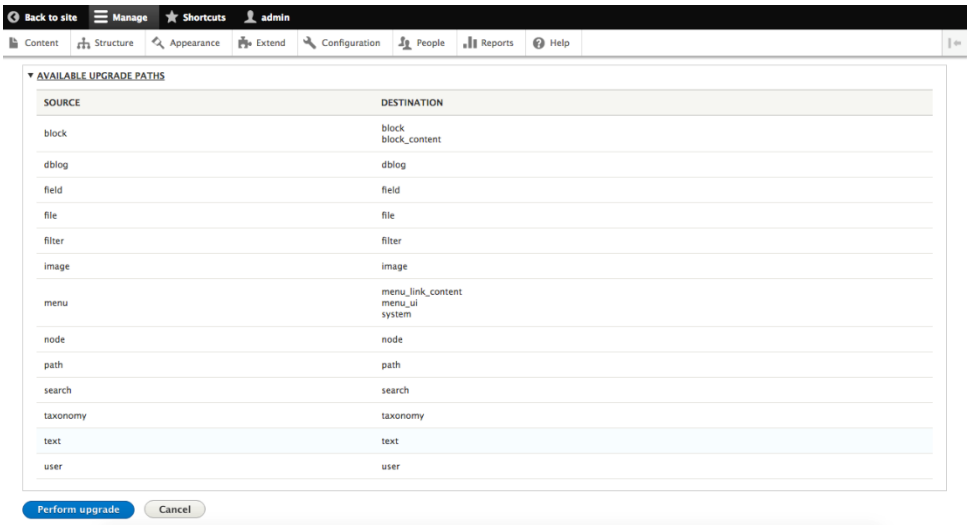
Chapter 15: Site Migration

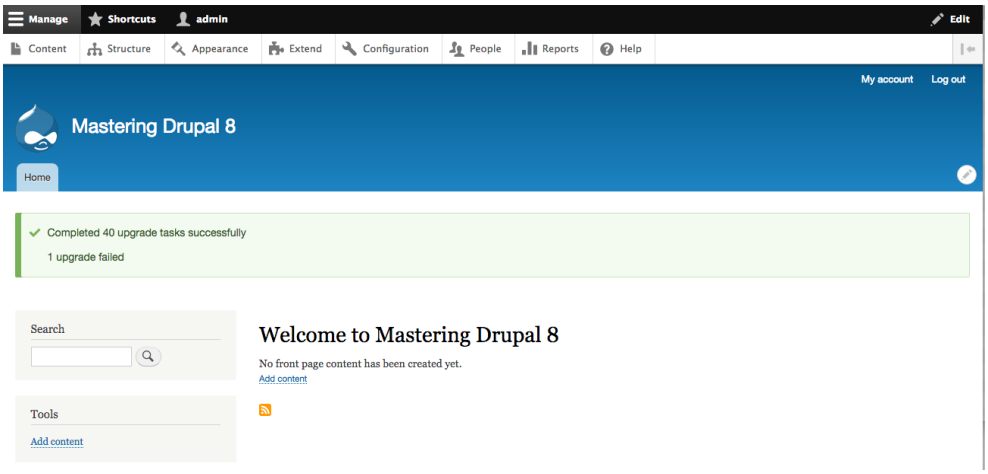


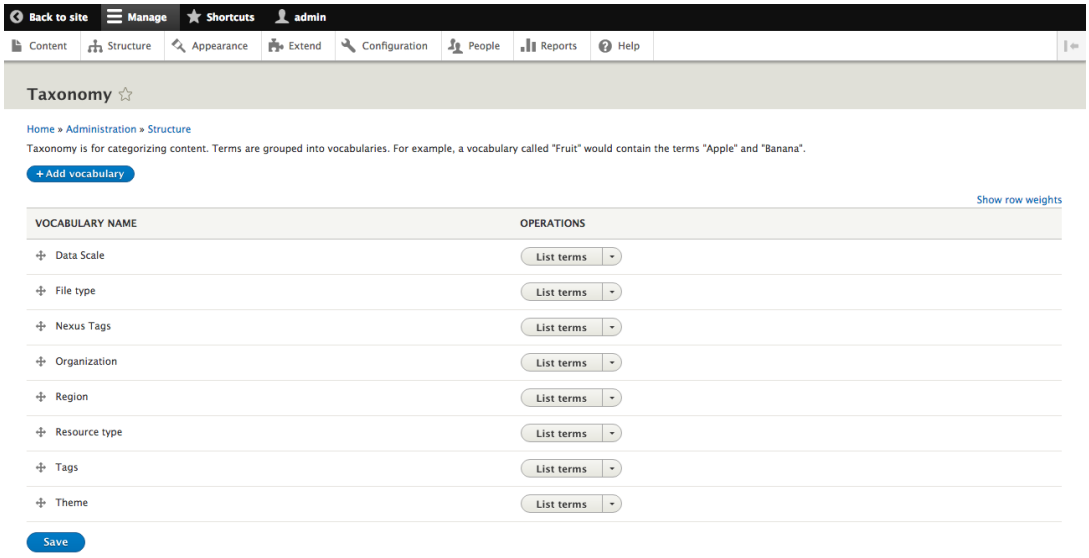


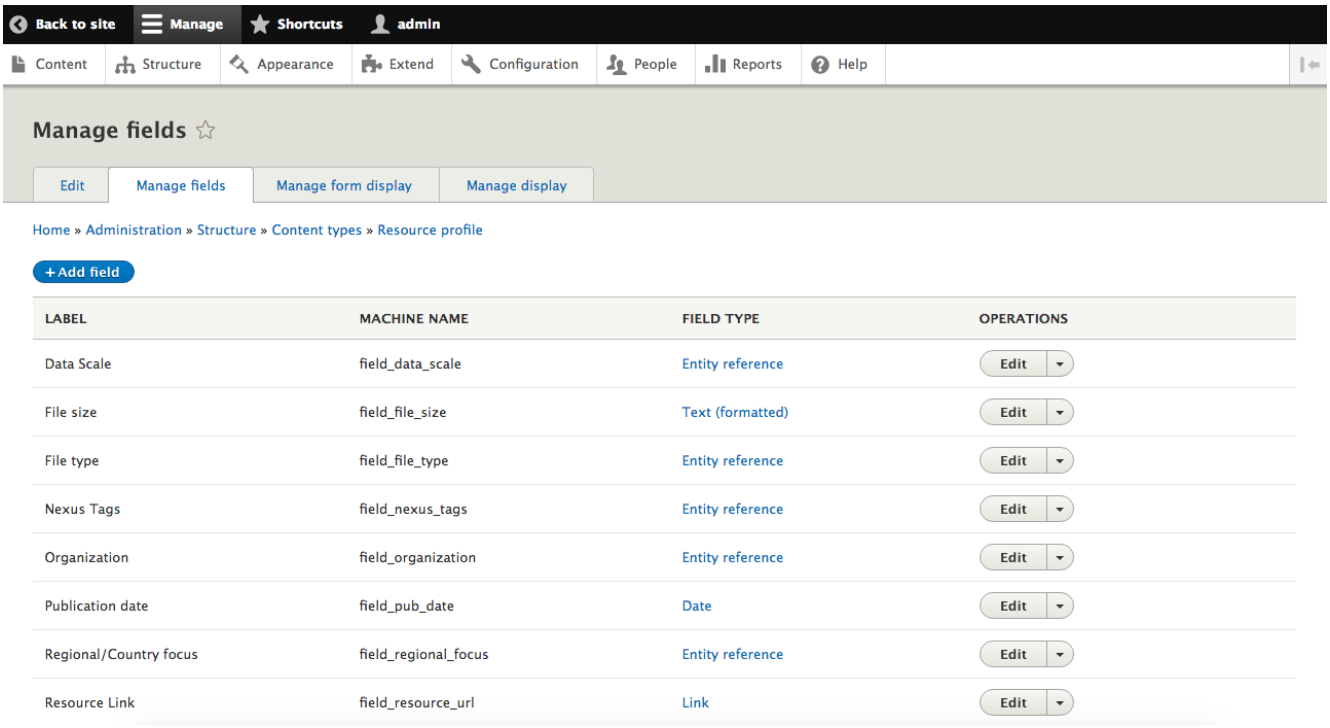

Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Home
SOURCE DATABASE
Provide credentials for the database of the Drupal site you want to upgrade.
Database type *
MySQL, MariaDB, Percona Server, or equivalent
SQLite
Database host *
localhost
Database name *
Database username *
Database password
ADVANCED OPTIONS
SOURCE FILES
Review upgrade


Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Are you sure?
Home
13 available upgrade paths
111 missing upgrade paths
Upgrade analysis report
Missing upgrade paths
The following items will not be upgraded. For more information see Upgrading from Drupal 6 or 7 to Drupal 8.
SOURCE
DESTINATION
addanother
Missing
admin_menu
Missing
admin_menu_toolbar
Missing
backup_migrate
Missing
blockify
Missing
ccl
Missing


Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
AVAILABLE UPGRADE PATHS
SOURCE
DESTINATION
block
block
block_content
dblog
dblog
field
field
file
file
filter
filter
image
image
menu
menu_link_content
menu_ui
system
node
node
path
path
search
search
taxonomy
taxonomy
text
text
user
user
Perform upgrade
Cancel


Manage
Shortcuts
admin
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
My account
Log out
Mastering Drupal 8
Home
Completed 40 upgrade tasks successfully
1 upgrade failed
Search
Tools
Add content
Welcome to Mastering Drupal 8
No front page content has been created yet.
Add content


Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Taxonomy
Home » Administration » Structure
Taxonomy is for categorizing content. Terms are grouped into vocabularies. For example, a vocabulary called "Fruit" would contain the terms "Apple" and "Banana".
+ Add vocabulary
Show row weights
VOCABULARY NAME
OPERATIONS
Data Scale
List terms
File type
List terms
Nexus Tags
List terms
Organization
List terms
Region
List terms
Resource type
List terms
Tags
List terms
Theme
List terms
Save


Back to site
Manage
Shortcuts
admin
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Manage fields
Edit
Manage fields
Manage form display
Manage display
Home » Administration » Structure » Content types » Resource profile
+ Add field
LABEL
MACHINE NAME
FIELD TYPE
OPERATIONS
Data Scale
field_data_scale
Entity reference
Edit
File size
field_file_size
Text (formatted)
Edit
File type
field_file_type
Entity reference
Edit
Nexus Tags
field_nexus_tags
Entity reference
Edit
Organization
field_organization
Entity reference
Edit
Publication date
field_pub_date
Date
Edit
Regional/Country focus
field_regional_focus
Entity reference
Edit
Resource Link
field_resource_url
Link
Edit

Chapter 16: Debugging and Profiling

```
[vagrant@localhost default]$ drupal site:mode dev
 Configuration name: system.performance
 ------------------------- ---------------- ----------------
  Configuration key         Original Value   Override Value
 ------------------------- ---------------- ----------------
  cache.page.use_internal   false            false
  css.preprocess            false            false
  css.gzip                  false            false
  js.preprocess             false            false
  js.gzip                   false            false
  response.gzip             false            false
 ------------------------- ---------------- ----------------

 Configuration name: views.settings
 ------------------------------- ---------------- ----------------
  Configuration key               Original Value   Override Value
 ------------------------------- ---------------- ----------------
  ui.show.sql_query.enabled       true             true
  ui.show.performance_statistics  true             true
 ------------------------------- ---------------- ----------------

 Configuration name: system.logging
 ------------------- ---------------- -----------------
  Configuration key   Original Value   Override Value
 ------------------- ---------------- -----------------
  error_level         all              all
 ------------------- ---------------- -----------------

 Services files /vagrant/public/sites/default/services.yml was overwritten

 New services settings
 ------------- ------------- --------
  Service       Parameter     Value
 ------------- ------------- --------
  twig.config   auto_reload   true
  twig.config   cache         true
  twig.config   debug         true
 ------------- ------------- --------

 // settings:set

 [OK] Setting checked was set to true

 // cache:rebuild

 Rebuilding cache(s), wait a moment please.

 [OK] Done clearing cache(s).
```

```
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'region' -->
<!-- FILE NAME SUGGESTIONS:
   x region--header.html.twig
   * region.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/bartik/templates/region--header.html.twig' -->
  <div class="clearfix region region-header">


<!-- THEME DEBUG -->
<!-- THEME HOOK: 'block' -->
<!-- FILE NAME SUGGESTIONS:
   * block--bartik-branding.html.twig
   x block--system-branding-block.html.twig
   * block--system.html.twig
   * block.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/bartik/templates/block--system-branding-block.html.twig' -->
<div id="block-bartik-branding" class="contextual-region clearfix site-branding block block-system block-system-branding-block">

    <div data-contextual-id="block:block=bartik_branding:langcode=en"></div>
        <a href="/" title="Home" rel="home" class="site-branding__logo">
      <img src="/core/themes/bartik/logo.svg" alt="Home" />
    </a>
        <div class="site-branding__text">
              <div class="site-branding__name">
          <a href="/" title="Home" rel="home">Mastering Drupal 8</a>
        </div>
              </div>
  </div>

<!-- END OUTPUT from 'core/themes/bartik/templates/block--system-branding-block.html.twig' -->


  </div>

<!-- END OUTPUT from 'core/themes/bartik/templates/region--header.html.twig' -->
```

Mastering Drupal 8

```
Twig context array (14)
'menu_name' => string (4) "main"
'items' => array (1)
'standard.front_page' => array (8)
'is_expanded' => bool FALSE
'is_collapsed' => bool FALSE
'in_active_trail' => bool FALSE
'attributes' => object Drupal\Core\Template\Attribute (1)
object (1)  Available methods (17)  Iterator contents (0)
protected storage -> array (0)
'title' => string (4) "Home"
'url' => object Drupal\Core\Url (11)
object (11)  Available methods (35)
protected urlGenerator -> NULL
protected urlAssembler -> NULL
protected accessManager -> NULL
protected routeName -> string (7) "<front>"
protected routeParameters -> array (0)
protected options -> array (1)
'set_active_class' => bool TRUE
protected external -> bool FALSE
protected unrouted -> bool FALSE
protected uri -> NULL
protected internalPath -> NULL
```

Back to site | Manage | Shortcuts | admin | Devel

Content | Structure | Appearance | Extend | Configuration | People | Reports | Help

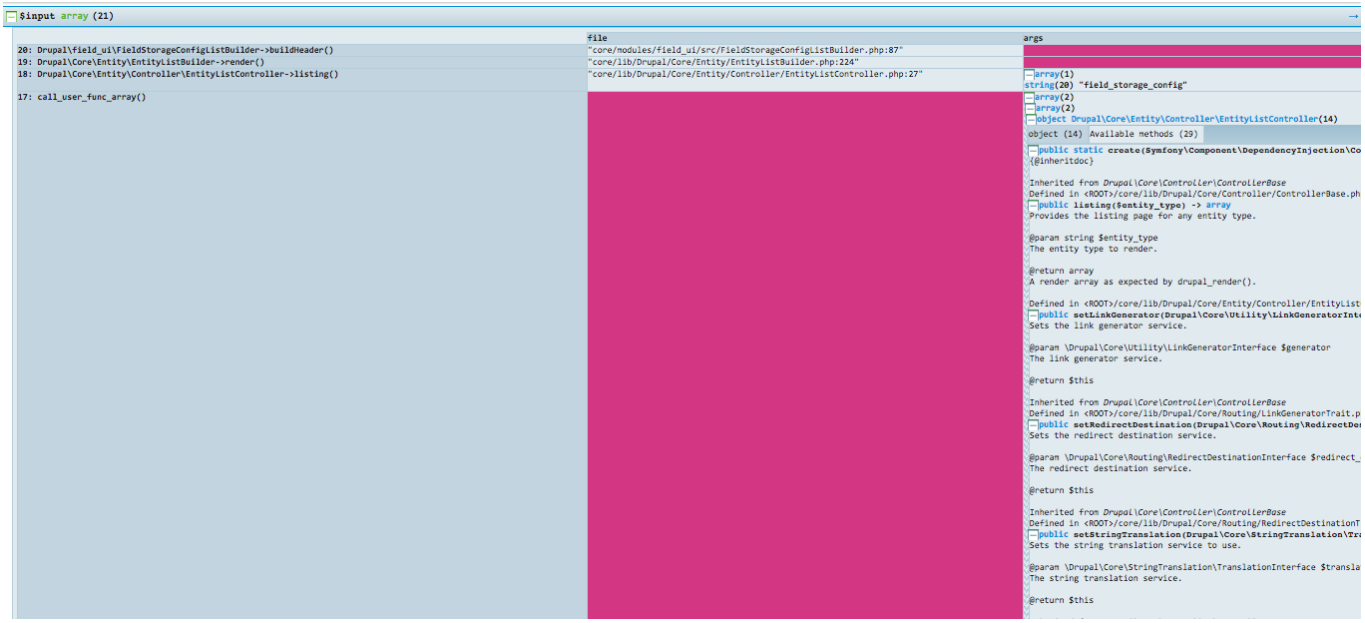
PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR
Devel Kint			
Access kint information *Warning: Give to trusted roles only; this permission has security implications.* View developer debug output.	☐	☐	☑

```
array (1)
  'data' => array (3)
    'id' => string (4) "body"
    'type' => object Drupal\Core\StringTranslation\TranslatableMarkup (5)
      object (5)  Available methods (14)
        protected string -> string (23) "@type (module: @module)"
        protected translatedMarkup -> NULL
        protected options -> array (0)
        protected stringTranslation -> object Drupal\webprofiler\StringTranslation\TranslationManagerWrapper (7)
          object (7)  Available methods (13)
            private translationManager -> NULL
            private translated -> NULL
            private untranslated -> NULL
            protected translators -> array (1)
              '30' => array (1)
                *DEPTH TOO GREAT*
            protected sortedTranslators -> NULL
            protected defaultLangcode -> string (2) "en"
            public _serviceId -> string (18) "string_translation"
        protected arguments -> array (2)
          '@type' => object Drupal\Core\StringTranslation\TranslatableMarkup (5)
            object (5)  Available methods (14)
```

$input array (21)

Called from <ROOT>/modules/devel/devel.module:664 [kprint_r()]

1. <ROOT>/modules/devel/devel.module:794 [kprint_r()]
2. <ROOT>/core/modules/field_ui/src/FieldStorageConfigListBuilder.php:87 [ddebug_backtrace()]
3. <ROOT>/core/lib/Drupal/Core/Entity/EntityListBuilder.php:224 [Drupal\field_ui\FieldStorageConfigListBuilder->buildHeader()]
4. <ROOT>/core/lib/Drupal/Core/Entity/Controller/EntityListController.php:27 [Drupal\Core\Entity\EntityListBuilder->render()]
5. <ROOT>/core/lib/Drupal/Core/EventSubscriber/EarlyRenderingControllerWrapperSubscriber.php:128 [call_user_func_array()]
6. <ROOT>/core/lib/Drupal/Core/Render/Renderer.php:577 [Drupal\Core\EventSubscriber\EarlyRenderingControllerWrapperSubscriber->Drupal\Core\EventSubscriber\{closure}()]
7. <ROOT>/core/lib/Drupal/Core/EventSubscriber/EarlyRenderingControllerWrapperSubscriber.php:129 [Drupal\Core\Render\Renderer->executeInRenderContext()]
8. <ROOT>/core/lib/Drupal/Core/EventSubscriber/EarlyRenderingControllerWrapperSubscriber.php:102 [Drupal\Core\EventSubscriber\EarlyRenderingControllerWrapperSubscriber->wrapControllerExecutionInRenderContext()]
9. <ROOT>/vendor/symfony/http-kernel/HttpKernel.php:139 [call_user_func_array()]
10. <ROOT>/vendor/symfony/http-kernel/HttpKernel.php:62 [Symfony\Component\HttpKernel\HttpKernel->handleRaw()]
11. <ROOT>/core/lib/Drupal/Core/StackMiddleware/Session.php:62 [Symfony\Component\HttpKernel\HttpKernel->handle()]
12. <ROOT>/core/lib/Drupal/Core/StackMiddleware/KernelPreHandle.php:53 [Drupal\Core\StackMiddleware\Session->handle()]
13. <ROOT>/core/modules/page_cache/src/StackMiddleware/PageCache.php:103 [Drupal\Core\StackMiddleware\KernelPreHandle->handle()]
14. <ROOT>/core/modules/page_cache/src/StackMiddleware/PageCache.php:82 [Drupal\page_cache\StackMiddleware\PageCache->pass()]
15. <ROOT>/core/lib/Drupal/Core/StackMiddleware/ReverseProxyMiddleware.php:51 [Drupal\page_cache\StackMiddleware\PageCache->handle()]
16. <ROOT>/modules/devel/webprofiler/src/StackMiddleware/WebprofilerMiddleware.php:42 [Drupal\Core\StackMiddleware\ReverseProxyMiddleware->handle()]
17. <ROOT>/core/lib/Drupal/Core/StackMiddleware/NegotiationMiddleware.php:55 [Drupal\webprofiler\StackMiddleware\WebprofilerMiddleware->handle()]
18. <ROOT>/vendor/stack/builder/src/Stack/StackedHttpKernel.php:23 [Drupal\Core\StackMiddleware\NegotiationMiddleware->handle()]
19. <ROOT>/core/lib/Drupal/Core/DrupalKernel.php:637 [Stack\StackedHttpKernel->handle()]
20. <ROOT>/index.php:19 [Drupal\Core\DrupalKernel->handle()]



Webprofiler

Home » Administration » Reports

Profiles stored with *Database storage* service.

IP	Url	Method	Limit
		GET	10

Filter

TOKEN	IP	METHOD	URL	TIME
32643c	10.0.2.2	GET	http://localhost:8081/admin/people/permissions?q=admin%2Fpeople%2Fpermissions	Wed, 03/09/2016 - 22:35
b36878	10.0.2.2	GET	http://localhost:8081/admin/people?q=admin%2Fpeople	Wed, 03/09/2016 - 22:35
06be74	10.0.2.2	GET	http://localhost:8081/?q=	Wed, 03/09/2016 - 22:32

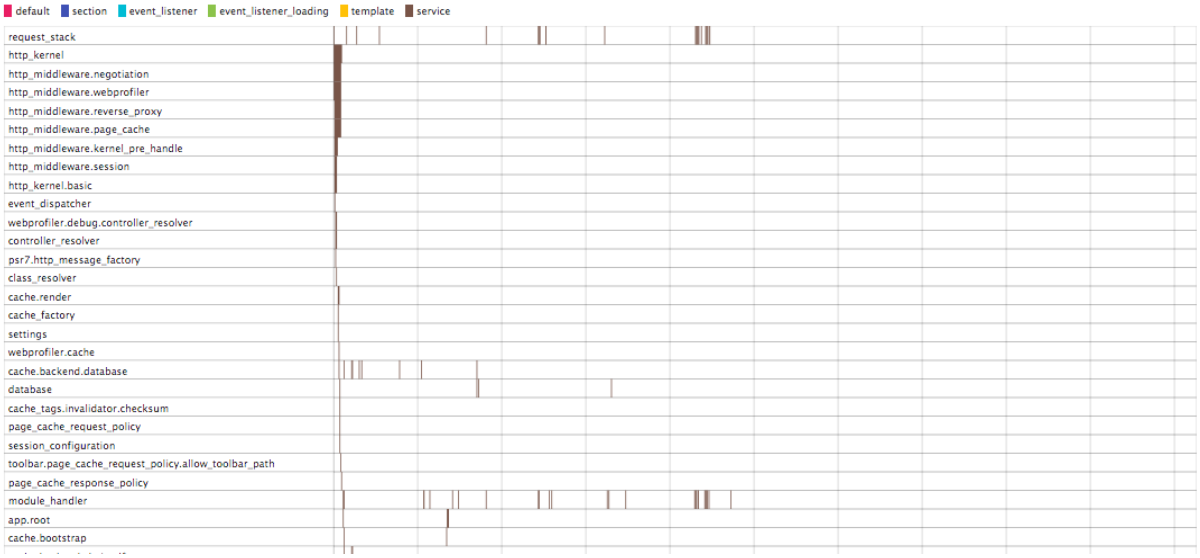
Request

GET Parameters	Value
q	

Attributes	Value
_controller	D\v\R\ViewPageController::handle
_title	
view_id	frontpage
display_id	page_1
_view_display_show_admin_links	true
_route	view.frontpage.page_1
_route_object	Object(Symfony\Component\Routing\Route)

Timeline

Total time 562 ms **Initialization time** 12 ms



Database

Caller: Caller | Query type: Any | Slow queryes: Any | SWAP PLACEHOLDERS

```
SELECT session FROM sessions WHERE sid = :sid LIMIT 0, 1
```

Time: 0.34 ms **Caller**: S\C\H\S\S\H\WriteCheckSessionHandler::read **Target**: default

EXPLAIN INFO SWAP PLACEHOLDERS

Database

Caller: Caller | Query type: Any | Slow queryes: Any | SWAP PLACEHOLDERS

```
SELECT session FROM sessions WHERE sid = 'ApQQbD0ZSU2glanjoWek073Cqss47Qilz6kHkwylsZE' LIMIT 0, 1
```

Time: 0.34 ms **Caller**: S\C\H\S\S\H\WriteCheckSessionHandler::read **Target**: default

EXPLAIN INFO SWAP PLACEHOLDERS

id	select_type	table	type	possible_keys	key	key_len	ref	rows	Extra
1	SIMPLE	sessions	const	PRIMARY	PRIMARY	130	const	1	

Database

Caller: Caller | Query type: Any | Slow queryes: Any | SWAP PLACEHOLDERS

```
SELECT session FROM sessions WHERE sid = 'ApQQbD0ZSU2glanjoWek073Cqss47Qilz6kHkwylsZE' LIMIT 0, 1
```

Time: 0.34 ms **Caller**: S\C\H\S\S\H\WriteCheckSessionHandler::read **Target**: default

EXPLAIN INFO SWAP PLACEHOLDERS

Views

name	display	build time	execute time	render time	Action
content	page_1	0.21 ms	0.01 ms	0.03 ms	Edit