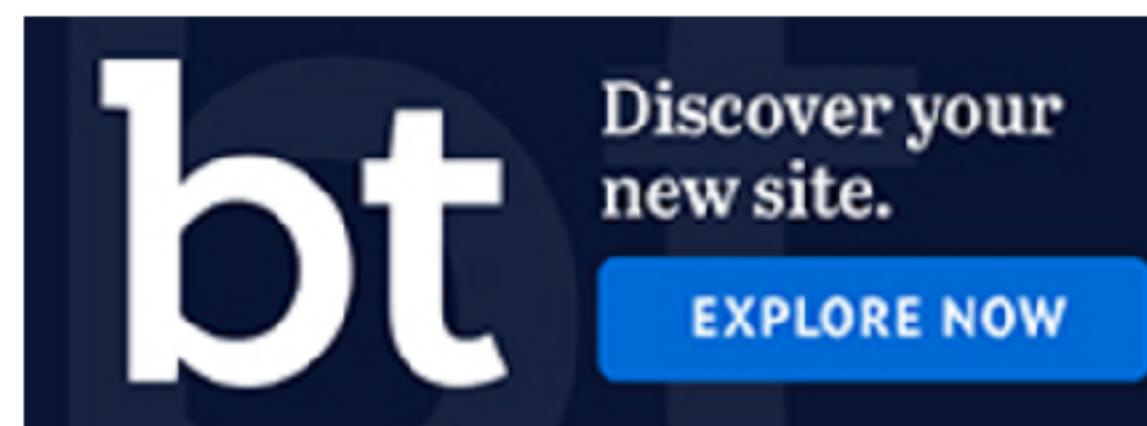


Burn it down: A case study in CMS replatforming

Peter Wilson ○ @pwcc ○ peterwilson.cc



brisbanetimes.com.au

INDEPENDENT. ALWAYS.

 17° now Brisbane
Mostly sunny

[LOGIN](#) / [SIGN-UP](#)



News

Sport

Business

World

Politics

Comment

Property

Entertainment

Lifestyle

Travel

Cars

...



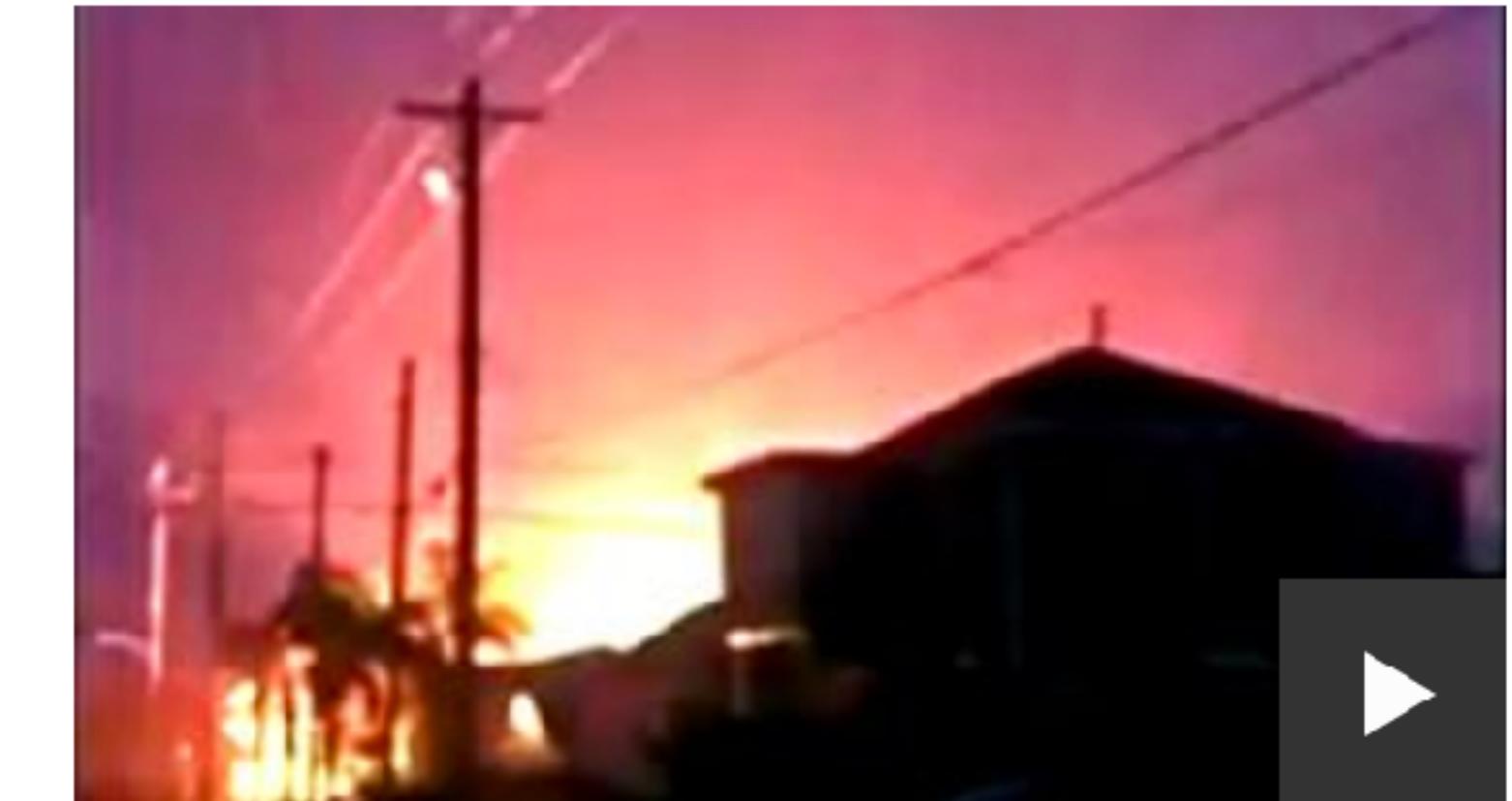
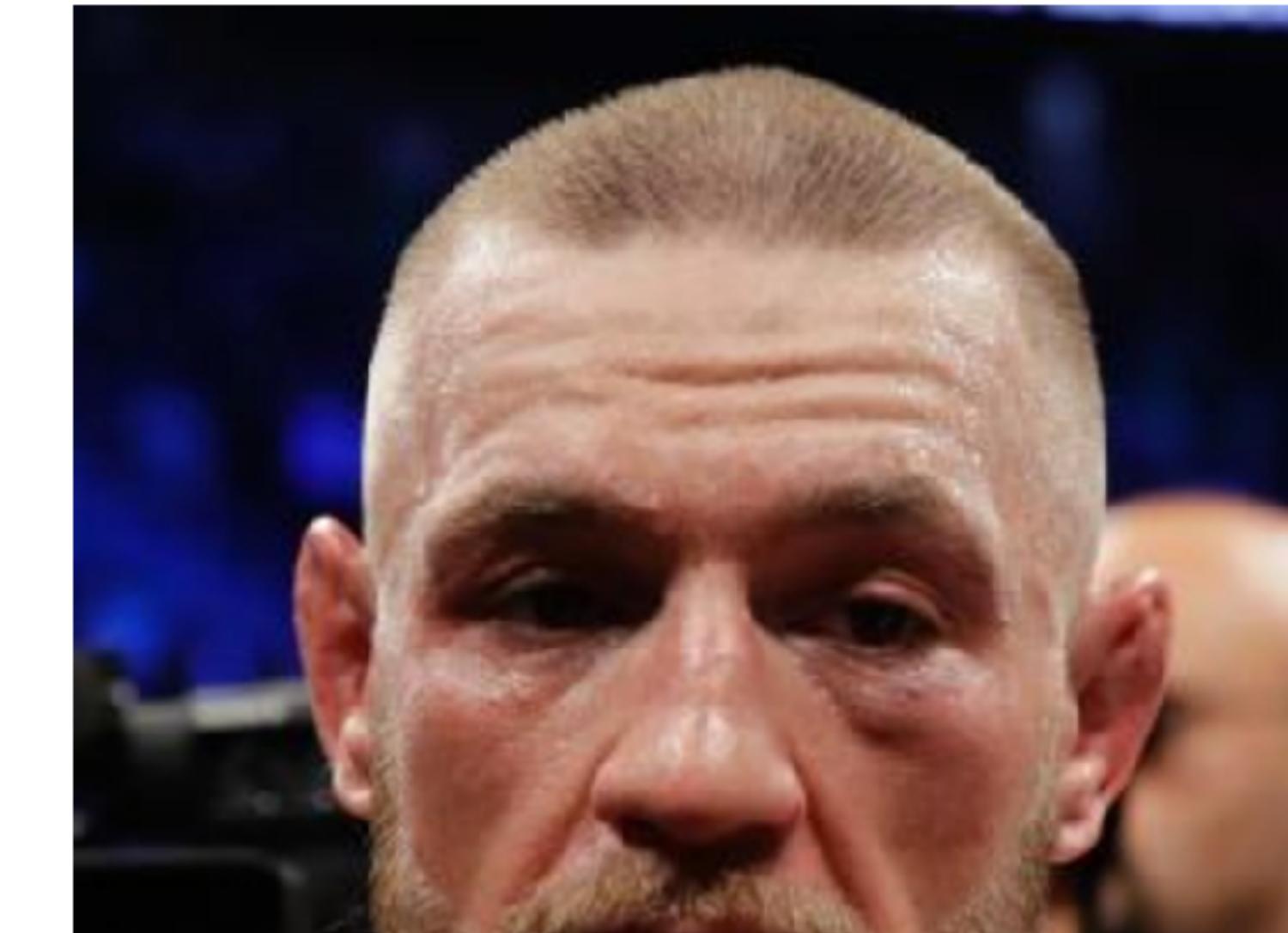
Qld insurance companies call for reform to 'rorting'

Shae McDonald



Man arrested after stabbing in Gold Coast pub brawl

Rachel Clun



Amateur video shows hurricane's deadly force

brisbanetimes. com. au

August 27, 2017, 8:07pm

≡ MENU

brisbane times

INDEPENDENT. ALWAYS.

TOP STORIES

FEDERAL

Catholics are among the biggest backers of same-sex marriage

Equality advocates will use the finding to encourage voters to ignore directives from the church's leadership.

by Michael Koziol

Brisbane
Sunny  17°
9° / 23°



brisbanetimes.com.au

August 27, 2017, 8:08pm





Human Made

“

*It was just another day
in the newsroom*

“

*It was just another day
writing content*



{whitepapers}

AN END-TO-END NEWSROOM TRANSFORMATION WITH AN OPEN SOURCE PUBLISHING WORKFLOW, FOR FAIRFAX MEDIA

Journey 3

10 Articles 7

New For A 11

Points 14

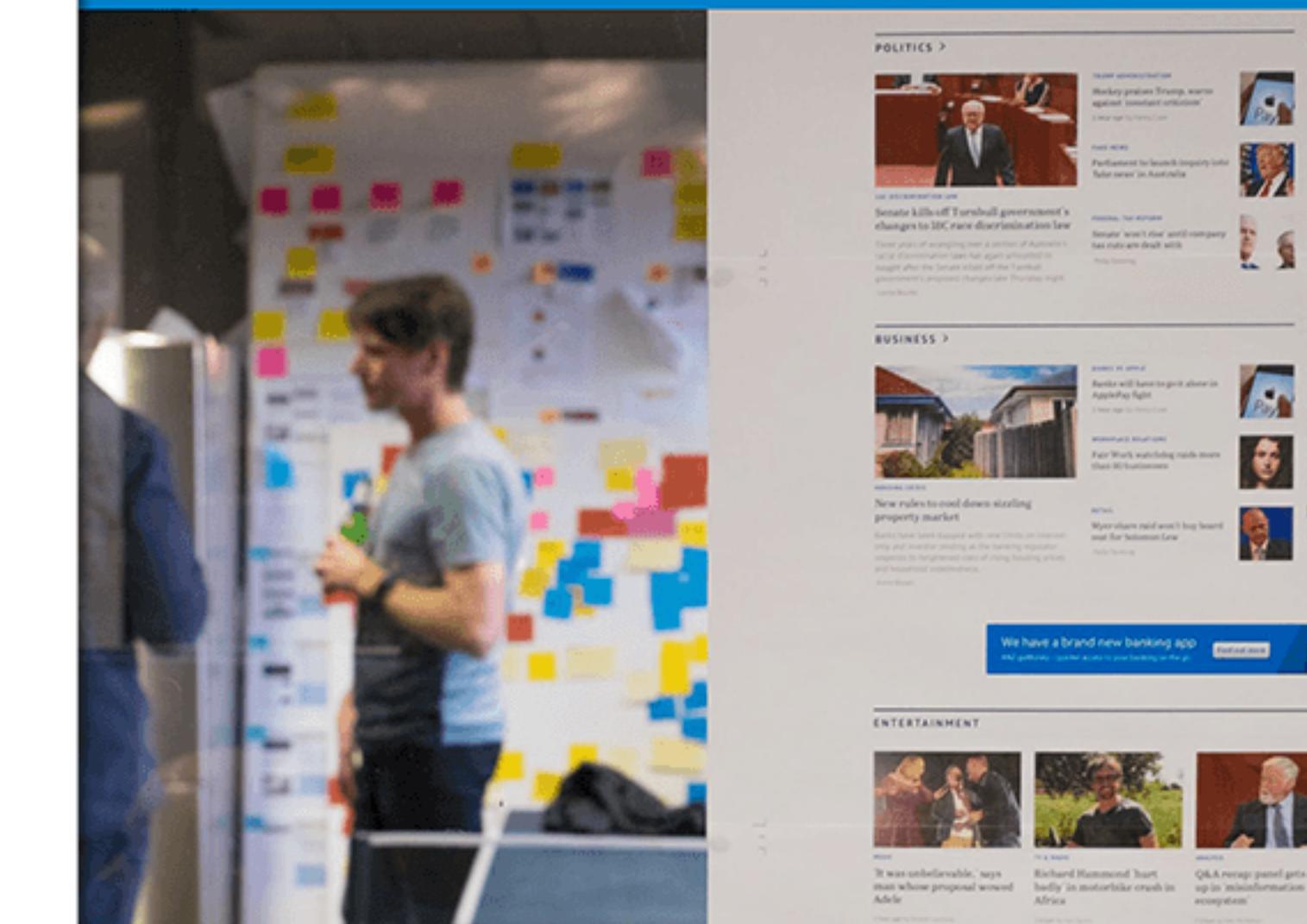
17

Approach:
Flexible

21

FAIRFAX MEDIA JOURNEY

After publishing over a million articles, Fairfax Media chose Humanmade's publishing experience for a modern newsroom transformation, with WordPress.



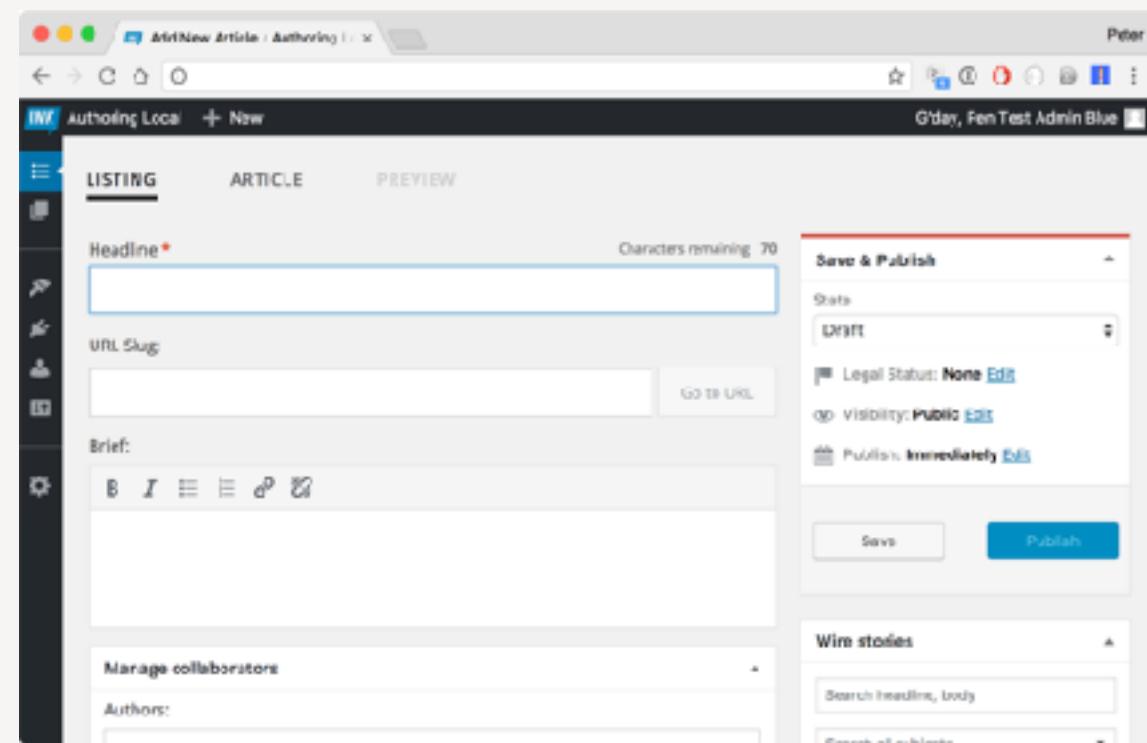
humanmade.com/fairfax-media

```
$must_use_plugins = [
    'ffx-options/plugin.php',           // Filter get_option calls.
    /* ... Vendor plugins snipped ... */
    'ffx-helpers/plugin.php',          // Available during bootstrap.
    'ffx-feature-flags/plugin.php',    // Available during bootstrap.
    'ffx-api-content/plugin.php',
    'ffx-api-media/plugin.php',
    'ffx-roles-capabilities/plugin.php',
    'ffx-article-editor/plugin.php',
    'ffx-live-articles/plugin.php',
    'ffx-notifications/plugin.php',
    'ffx-shortcake/plugin.php',
    'ffx-brightcove/plugin.php',
    'ffx-profiles/plugin.php',
    'ffx-unpublish/plugin.php',
    'ffx-wire-feed/plugin.php',
    'ffx-image-editor/plugin.php',
    'ffx-taxonomies/plugin.php',
    'ffx-dashboard/plugin.php',
    'ffx-publishing/plugin.php',
    'ffx-tooltips/plugin.php',
];

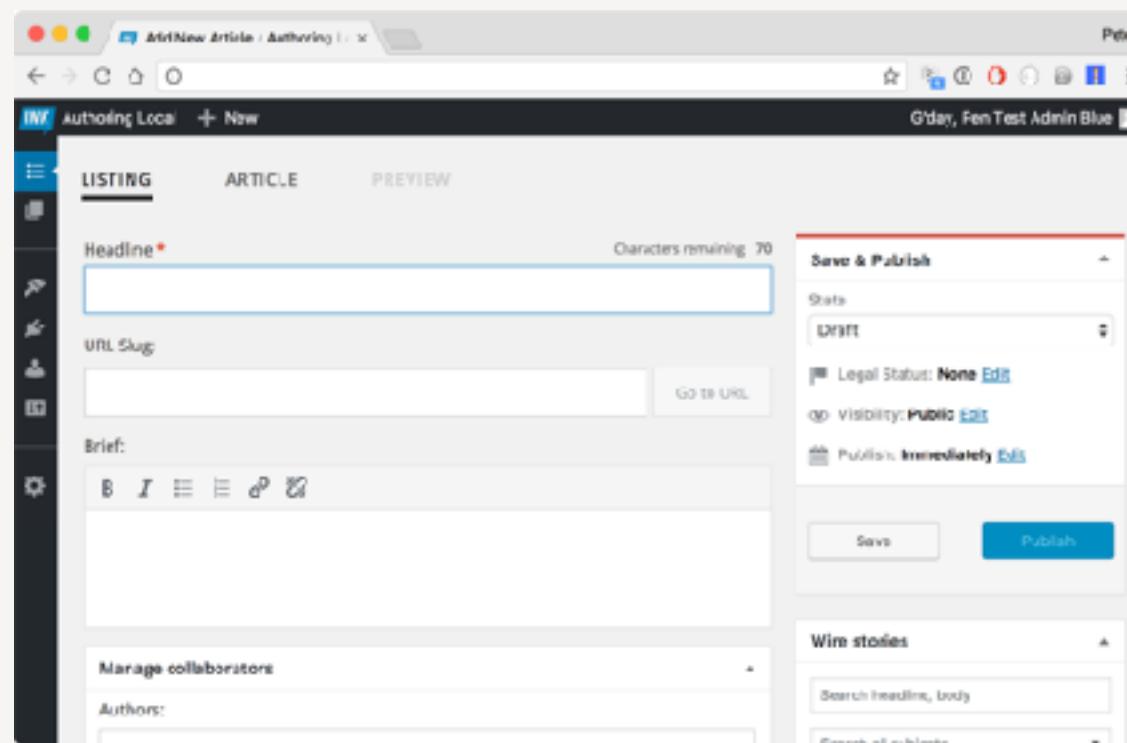
```

Reimagining the
tech-stack

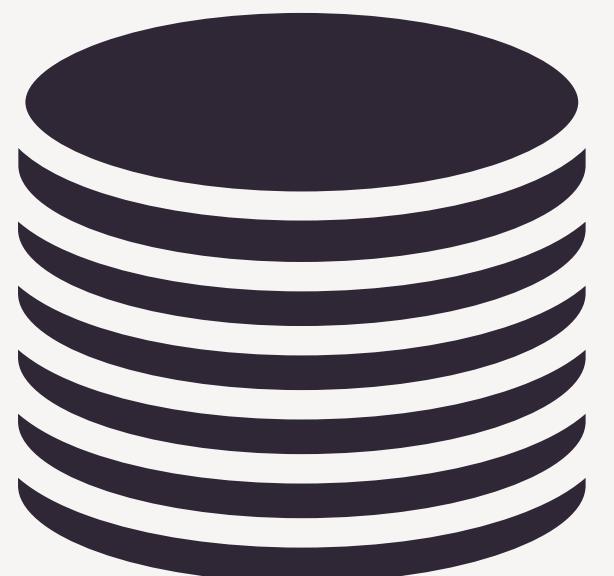
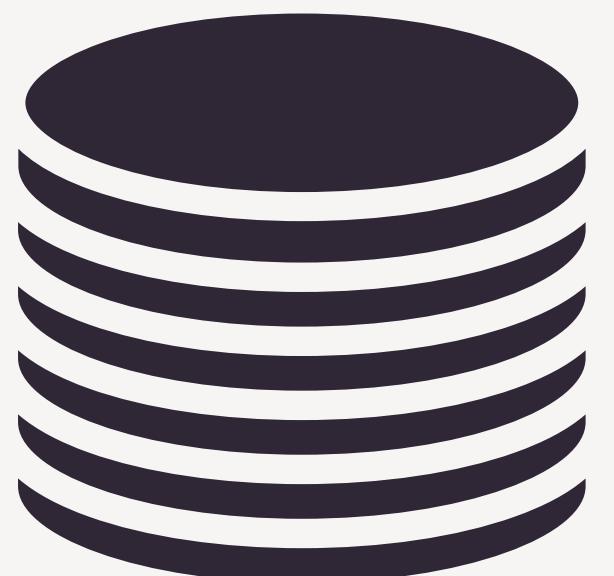
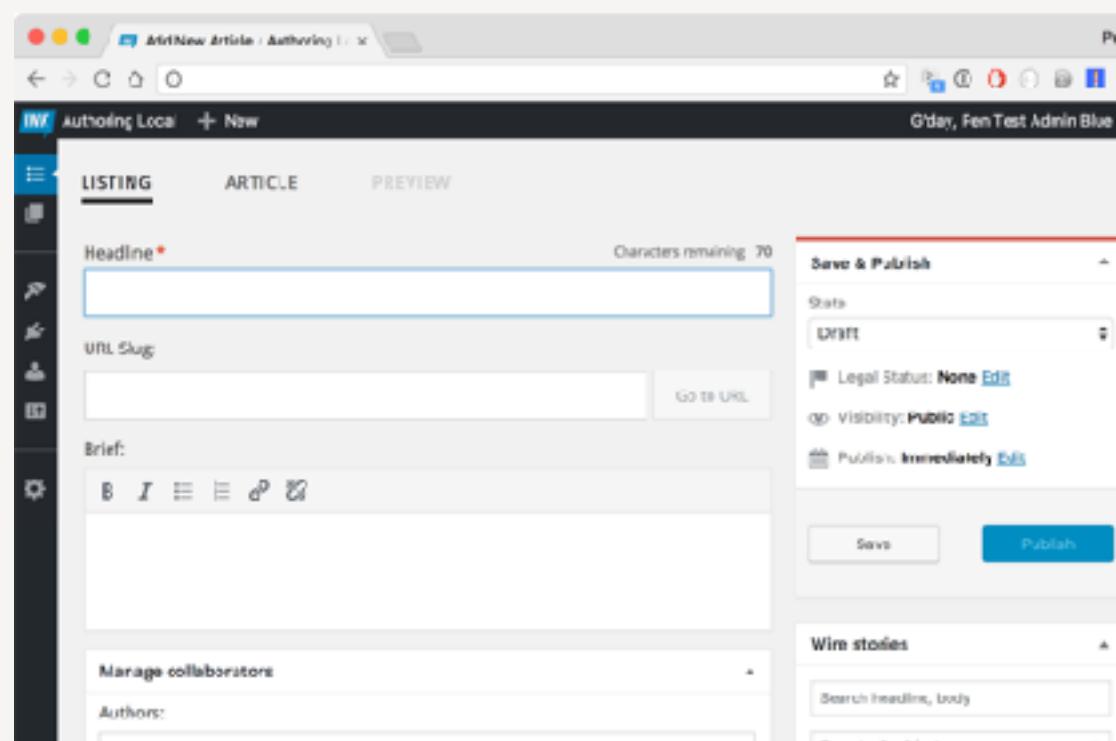
The stack



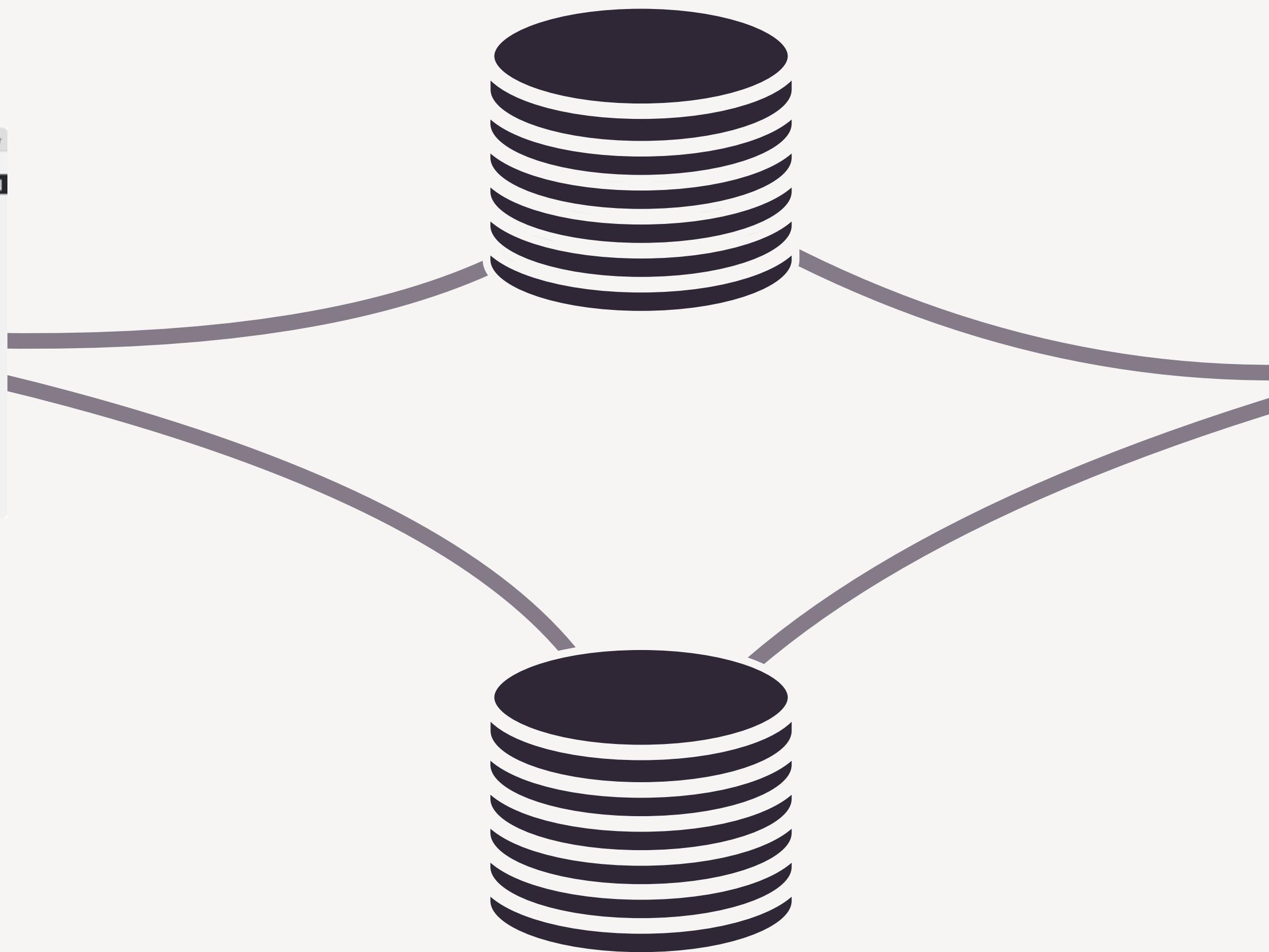
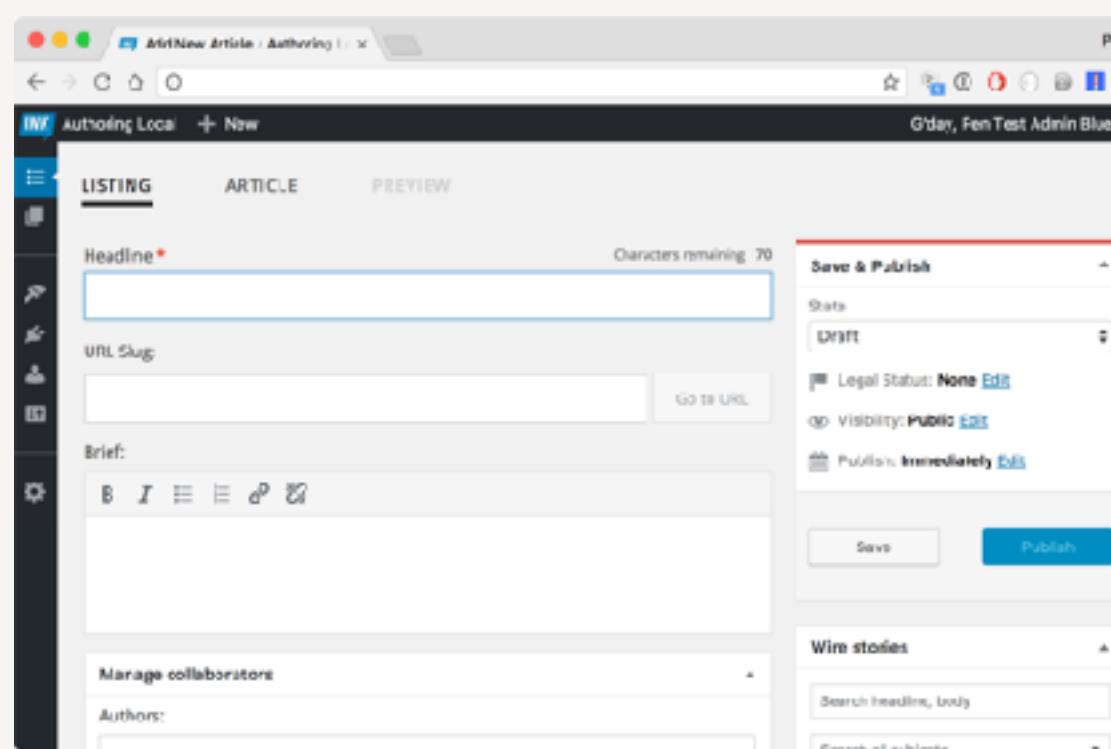
The stack



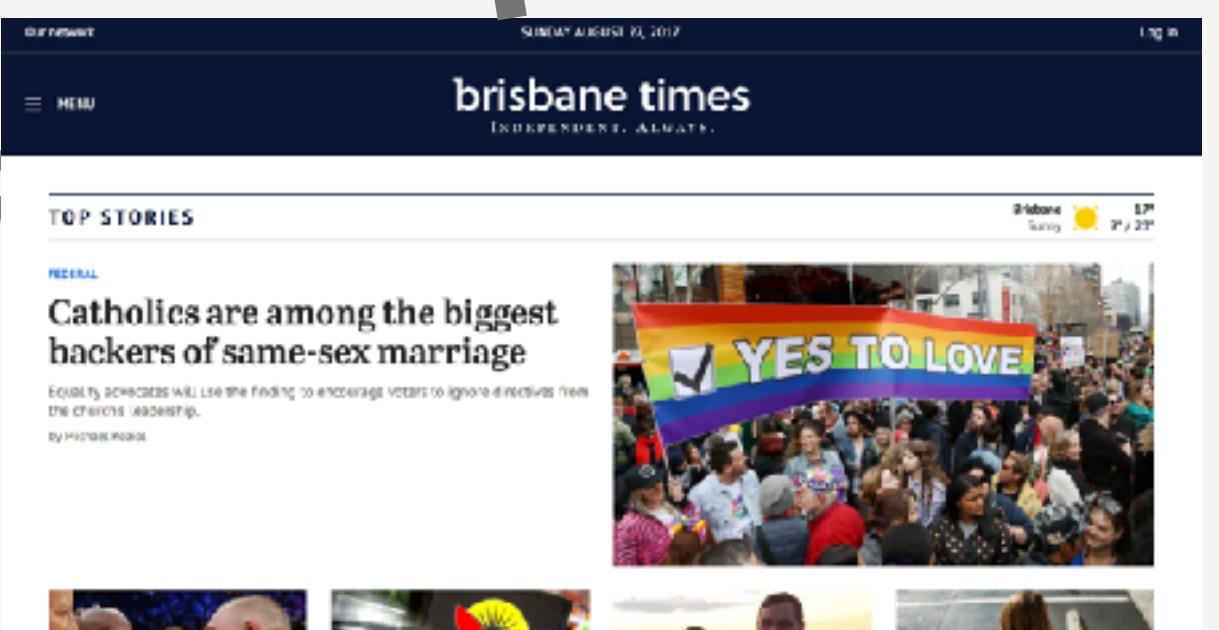
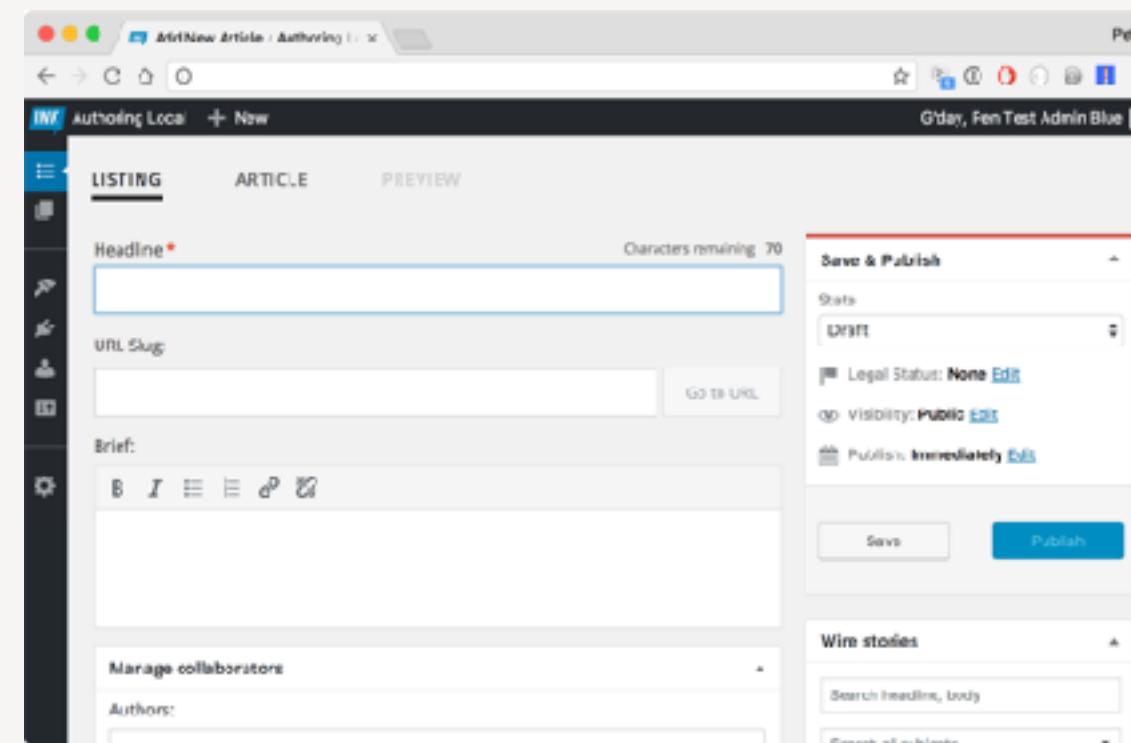
The stack



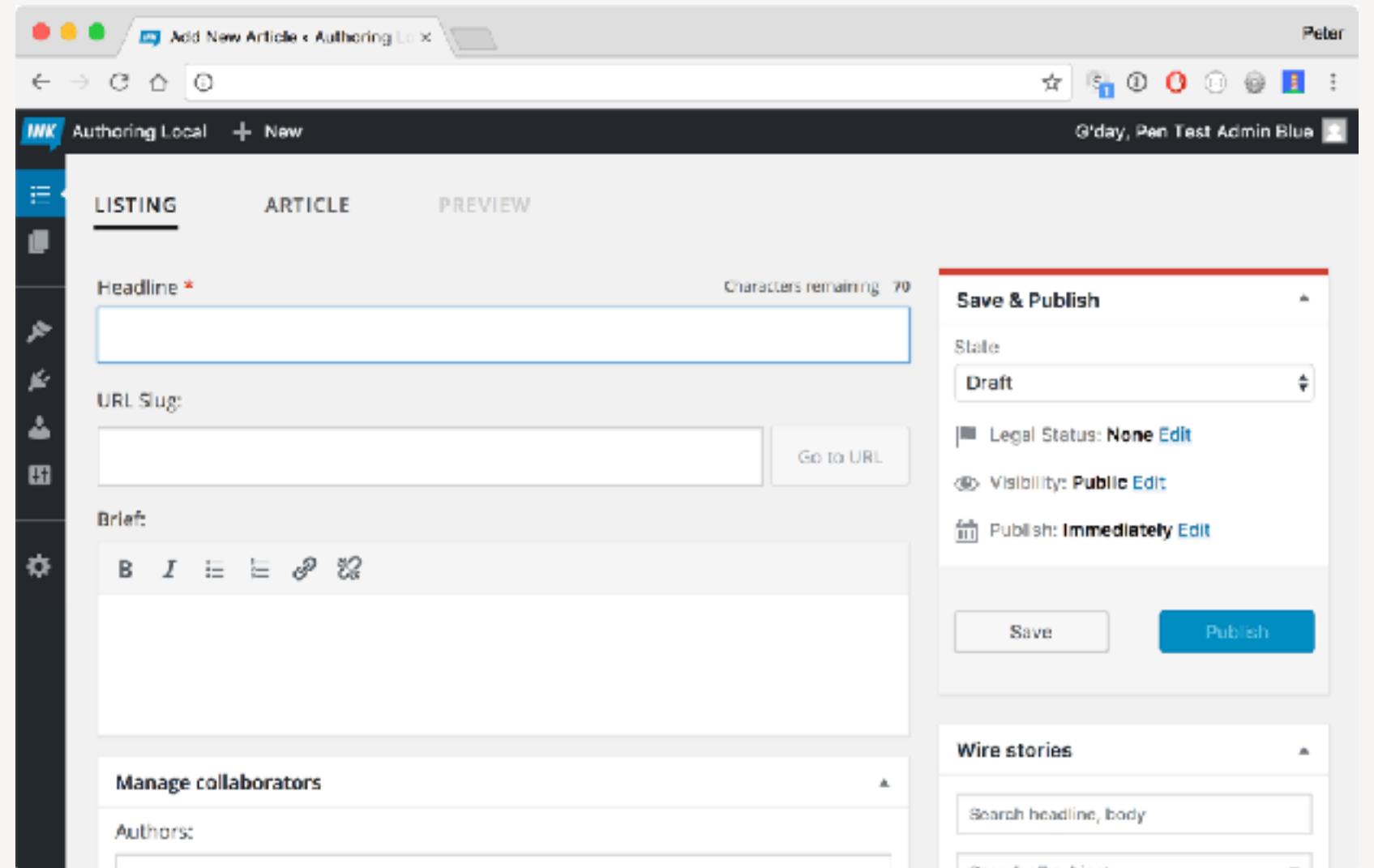
The stack



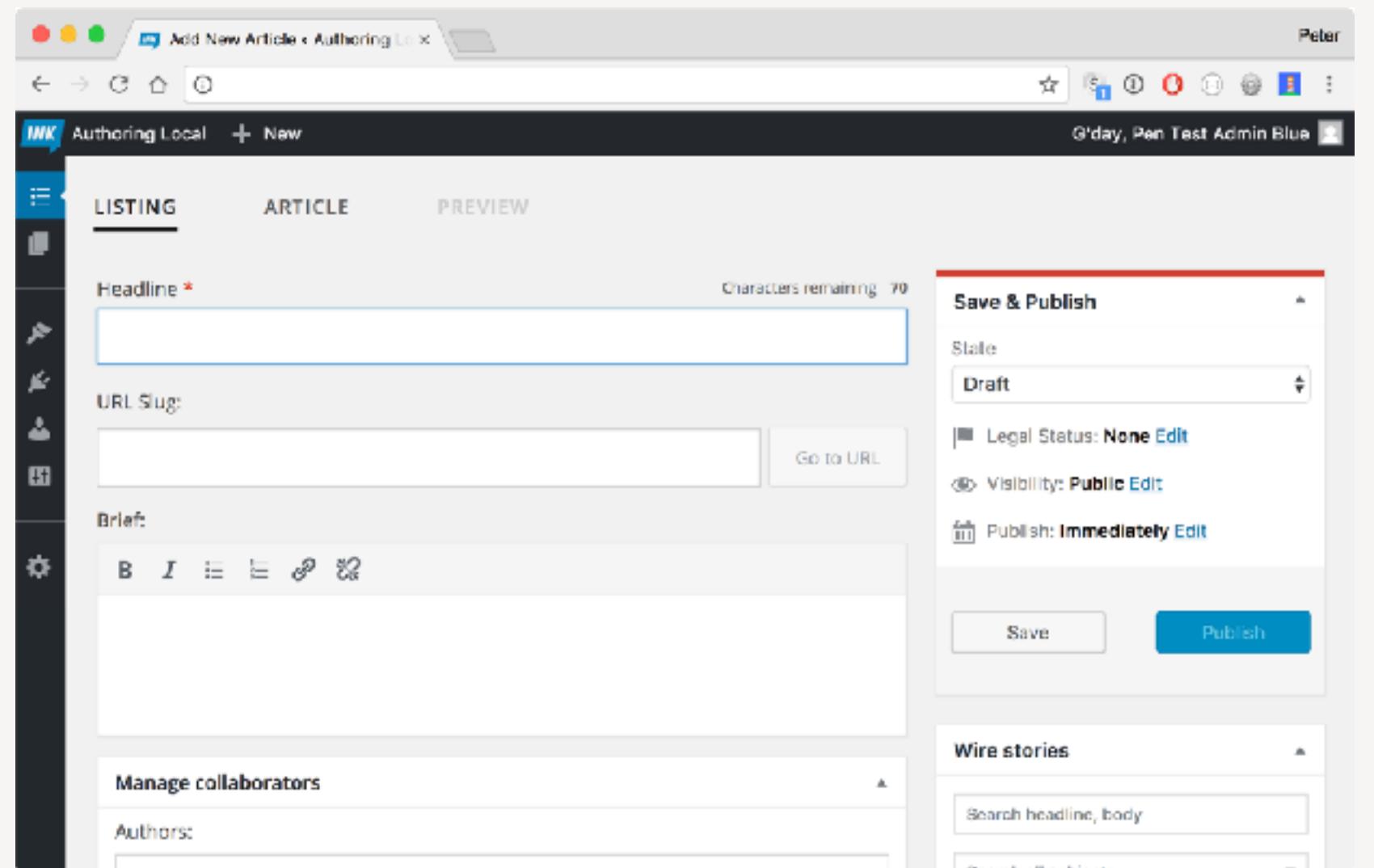
The stack



The stack



The stack



Media API



Content API



Cloudinary

Extending WordPress for enterprise

Publishing and Workflow

Save & Publish

State

Review

🚩 Legal Status: Pending [Edit](#)

👁️ Visibility: Public [Edit](#)

📅 Publish: Immediately [Edit](#)

Save

Publish

Delete

Media Library

Add Media

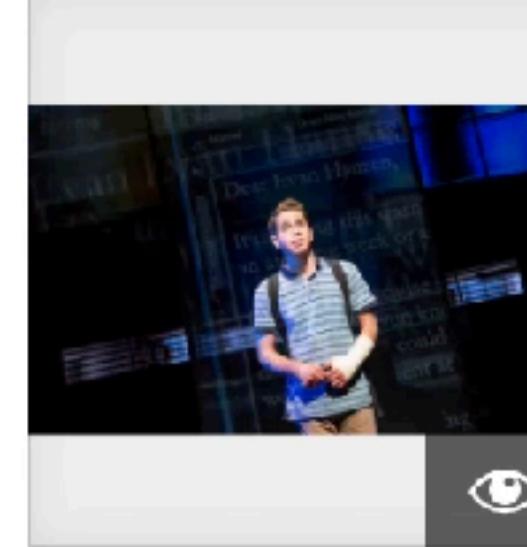
[Set Featured Image](#)

[Insert Post Element](#)

Add Media

[Upload Files](#) [Media Library](#)

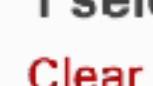
All media All dates Search media

DISPLAY SETTINGS

Landscape 16:9 



1 selected  

Insert into article

Taxonomies

What the story is about:

Crime X



Summarise day one Hart trial.

- Roxie takes the stand

Where else the story should appear:

Roxie Hart

Person/Roxie Hart (Detainee)

Tagging articles at scale

```
SELECT count(*)  
FROM wp_term_taxonomy  
WHERE taxonomy='ffx_tag'
```

23032

Where else the story should appear:

Geolocation

Geolocation/Abbotsford NSW (NSW) (Invisible)

Geolocation/Abbotsford QLD (Queensland) (Invisible)

Geolocation/Abbotsford VIC (Victoria) (Invisible)

Geolocation/Abbotsham (Tasmania) (Invisible)

Geolocation/Abeckett Street (Victoria) (Invisible)

Geolocation/Abels Bay (Tasmania) (Invisible)

Geolocation/Abercorn (Queensland) (Invisible)

Where else the story should appear:

Geolocation

Geolocation/Abbotsford NSW (NSW) (Invisible)

Geolocation/Abbotsford QLD (Queensland) (Invisible)

Geolocation/Abbotsford VIC (Victoria) (Invisible)

Geolocation/Abbotsham (Tasmania) (Invisible)

Geolocation/Abeckett Street (Victoria) (Invisible)

Geolocation/Abels Bay (Tasmania) (Invisible)

Geolocation/Abercorn (Queensland) (Invisible)

Where else the story should appear:

Person

Person/ADU BAKAR BASHIR (Religious leader)

Person/Abul Khair Rizvi (Public servant)

Person/Adam Bandt (Politician)

Person/Adam Cullen (Artist)

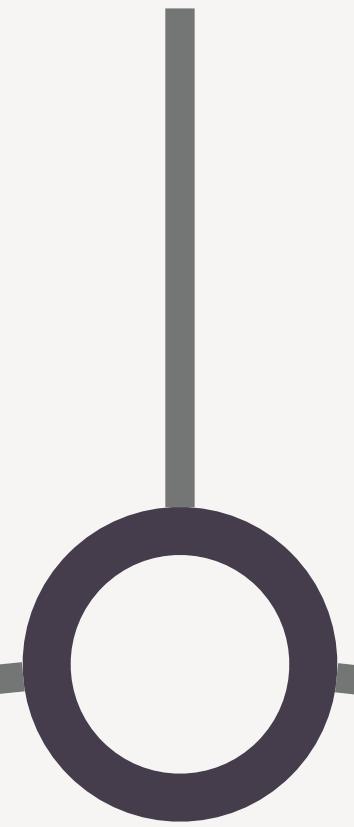
Person/Adam Elliot (Film maker)

Person/Adam Gilchrist (Athlete)

Person/Adam Giles (Politician)



Tags manager



Content API tags endpoint

The screenshot shows the INX Authoring Local interface. At the top, it says "Add New Article" and "Authoring Local". Below that is a navigation bar with "LISTING", "ARTICLE", and "PREVIEW". The main area has fields for "Headline" (with "Characters remaining: 79"), "URL Slug", and "Brief" (with rich text editor icons). On the right, there's a "Save & Publish" section with dropdowns for "State" (set to "Draft") and "Visibility" (set to "Public"). It also has "Legal Status" (None), "Publish: Immediately", and "Save" and "Publish" buttons. At the bottom, there's a "Wire stories" section and a "Manage collaborators" section.

The screenshot shows the brisbane times website. At the top, it says "SUNDAY AUGUST 27, 2017" and "brisbane times INDEPENDENT ALWAYS". Below that is a weather forecast for Brisbane: "Sunny 9° / 23°". The main content area is titled "TOP STORIES" and features a large image of a crowd holding a "YES TO LOVE" rainbow flag. The headline reads "Catholics are among the biggest backers of same-sex marriage". There are also smaller images and links below the main story.

Plugin Handbook

Browse: [Home](#) / [Plugin Handbook](#) / [Cron](#) / Scheduling WP Cron Events



CHAPTERS

1 Introduction to Plugin Development

What is a Plugin?

2 Plugin Basics

Header Requirements

Including a Software License

Activation / Deactivation Hooks

Uninstall Methods

Best Practices

3 Plugin Security

Checking for Security

Scheduling WP Cron Events

Scheduling a recurring task

In order to get your task to execute you must create your own custom hook and give that hook the name of a function to execute. This is a very important step. Forget it and your task will never run.

The following will create the hook. The first parameter is the name of the hook, and the second is the name of your function to call.

```
1 | add_action( 'bl_cron_hook', 'bl_cron_exec' );
```

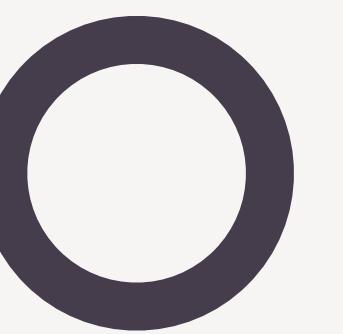
TOPICS

[Scheduling a recurring task](#)

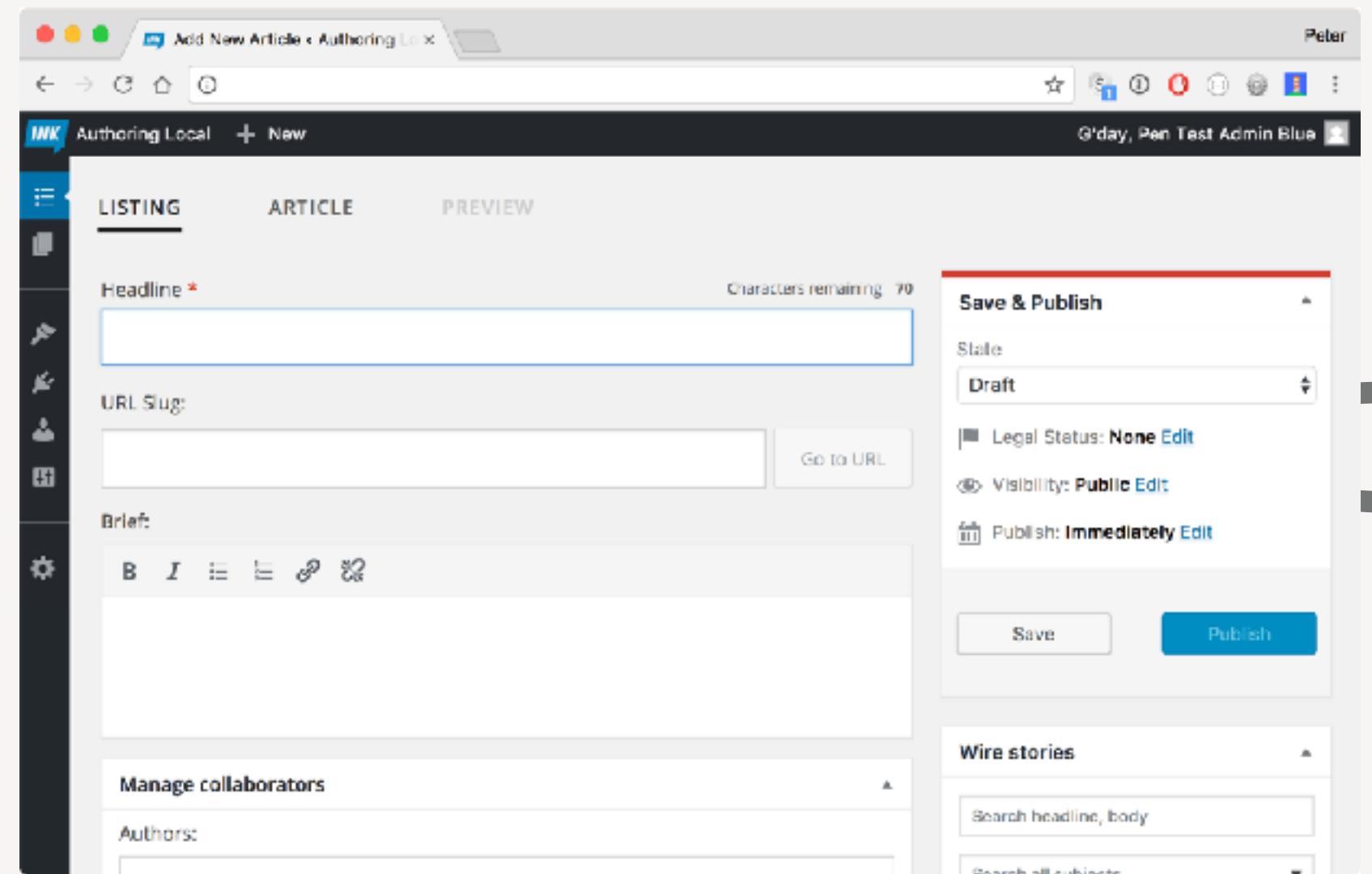
[Unscheduling tasks](#)

The screenshot shows a web-based content management system interface. At the top, there's a header with the title "Add New Article < Authoring Local" and a user name "Peter". Below the header, there are three tabs: "LISTING", "ARTICLE" (which is selected), and "PREVIEW". The main area contains fields for "Headline" (with a character limit of 70 characters remaining), "URL Slug" (with a "Go to URL" button), and a "Brief" editor. On the right side, there are two panels: "Save & Publish" (with "State" set to "Draft", "Legal Status" as "None", "Visibility" as "Public", and "Publish" options) and "Wire stories" (with a search bar and a "Search all subscribers" dropdown). A sidebar on the left includes icons for file operations like copy, move, and delete, and a "Manage collaborators" section.

GET 50 tags



Content API



GET 50 tags



Content API

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

Managing terms
makes a lot of
DB queries

```
wp_insert_term(  
    'Roxie Hart',  
    'ffx_tags',  
    [  
        'slug'      => 'roxie-hart',  
        'parent'    => '105',  
    ]  
);  
  
add_term_meta( 23170, '_ffx_id', 'h4rt' );  
add_term_meta( 23170, '_ffx_term_meta', [ /* */ ] );
```

```
# Check term exists (slug)
SELECT tt.term_id, tt.term_taxonomy_id
FROM wp_terms AS t
INNER JOIN wp_term_taxonomy as tt
ON tt.term_id = t.term_id
WHERE t.slug = 'roxie-hart'
      AND tt.parent = '105'
      AND tt.taxonomy = 'ffx_tag'
ORDER BY t.term_id ASC
LIMIT 1
```

```
SELECT tt.term_id, tt.term_taxonomy_id
FROM wp_terms AS t
INNER JOIN wp_term_taxonomy as tt
ON tt.term_id = t.term_id
AND tt.parent = '105'
AND tt.taxonomy = 'ffx_tag'
ORDER BY t.term_id ASC
LIMIT 1
```

```
# Check term exists (name)
SELECT tt.term_id, tt.term_taxonomy_id
FROM wp_terms AS t
INNER JOIN wp_term_taxonomy as tt
ON tt.term_id = t.term_id
WHERE t.name = 'Roxie Hart'
      AND tt.parent = '105'
      AND tt.taxonomy = 'ffx_tag'
ORDER BY t.term_id ASC
LIMIT 1
```

Check if (name) exists with same parent.

```
SELECT t.*, tt.*  
FROM wp_terms AS t  
INNER JOIN wp_term_taxonomy AS tt  
ON t.term_id = tt.term_id  
WHERE tt.taxonomy IN ('ffx_tag')  
AND t.name IN ('Roxie Hart')  
AND tt.parent = '105'  
ORDER BY t.name ASC
```

```
# Check slug is unique
SELECT term_id
FROM wp_terms as t
WHERE t.slug = 'roxie-hart'
ORDER BY t.term_id
ASC LIMIT 1
```

Insert the tag

INSERT

INTO `wp_terms`(`name`, `slug`, `term_group`)
VALUES ('Roxie Hart', 'roxie-hart', 0)



Production, Chicago

Check if the relationship data exists.

```
SELECT tt.term_taxonomy_id  
FROM wp_term_taxonomy AS tt  
    INNER JOIN wp_terms AS t  
        ON tt.term_id = t.term_id  
WHERE tt.taxonomy = 'ffx_tag'  
    AND t.term_id = 23170
```

Actually insert the relationship data.

INSERT

INTO `wp_term_taxonomy`
(`term_id`, `taxonomy`,
 `description`, `parent`, `count`
)
VALUES (23170, 'ffx_tag', '', 105, 0)



Logic check for duplicates.

```
SELECT t.term_id, tt.term_taxonomy_id
FROM wp_terms t
INNER JOIN wp_term_taxonomy tt
ON ( tt.term_id = t.term_id )
WHERE t.slug = 'roxie-hart'
AND tt.parent = 105
AND tt.taxonomy = 'ffx_tag'
AND t.term_id < 23170
AND tt.term_taxonomy_id != 23170
```

And that's not all

Warm term meta cache

SELECT term_id, meta_key, meta_value **FROM** wp_t

Check for meta key inserting

SELECT meta_id **FROM** wp_termmeta **WHERE** meta_key

Insert the meta key

INSERT INTO `wp_termmeta`(`term_id`, `meta_ke

Delete term hierarchy option

```
DELETE FROM `wp_options` WHERE `option_name` = 'ffx_tag_children'
```

Get term hierarchy option (for reasons)

```
SELECT option_value FROM wp_options WHERE option_name = 'ffx_tag_chil
```

Select all terms in the taxonomy to work out hierarchy

```
SELECT t.term_id, tt.parent, tt.count, tt.taxonomy FROM wp_terms AS t
```

Warm the term meta cache for all (a bug)

```
SELECT term_id, meta_key, meta_value FROM wp_termmeta WHERE term_id IN
```

Update the term hierarchy option

```
INSERT INTO `wp_options`(`option_name`, `option_value`, `autoload`)
```

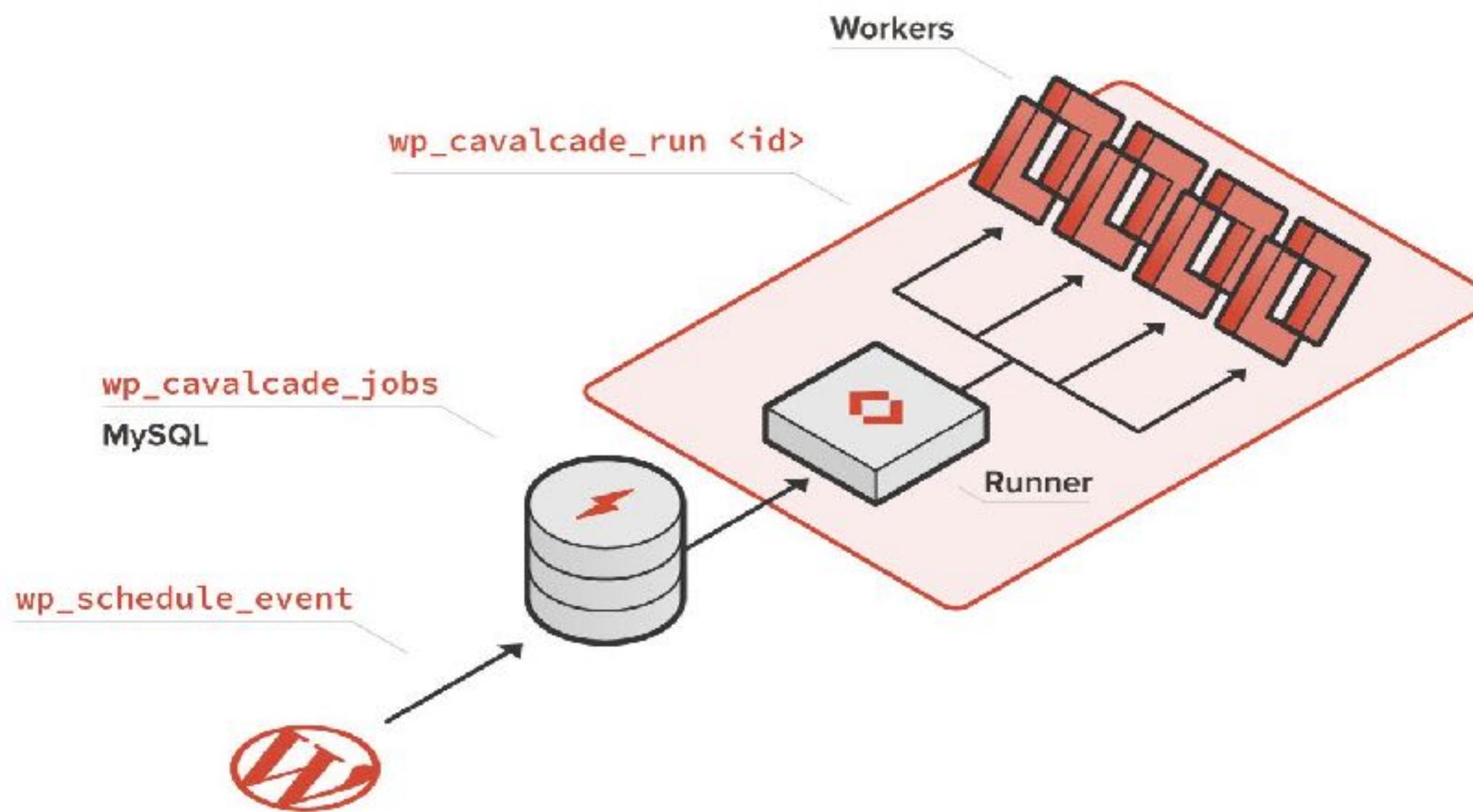


Production, Chicago

```
// Get the total number of pages.  
$total_pages = get_total_pages();  
  
for ( $page = 1; $page <= $total_pages; $page++ ) {  
    // Get all the tags we need to process on the current page.  
    $tags = get_tags_from_api( $page );  
  
    // Schedule a single event to create or update terms.  
    wp_schedule_single_event(  
        time() + ( 10 * $page * MINUTE_IN_SECONDS ),  
        'ffx_import_some_terms_action',  
        $tags  
    );  
}
```



Complex sites need scheduled tasks & asynchronous processing. Meet Cavalcade: A **#WordPress** jobs processing solution
humanmade.com/cavalcade





NASA

Geolocation/Abercrombie River (NSW) (Invisible)

Geolocation/Aberdare (NSW) (Invisible)

Geolocation/Aberdeen NSW (NSW) (Invisible)

Geolocation/Aberdeen TAS (Tasmania) (Invisible)

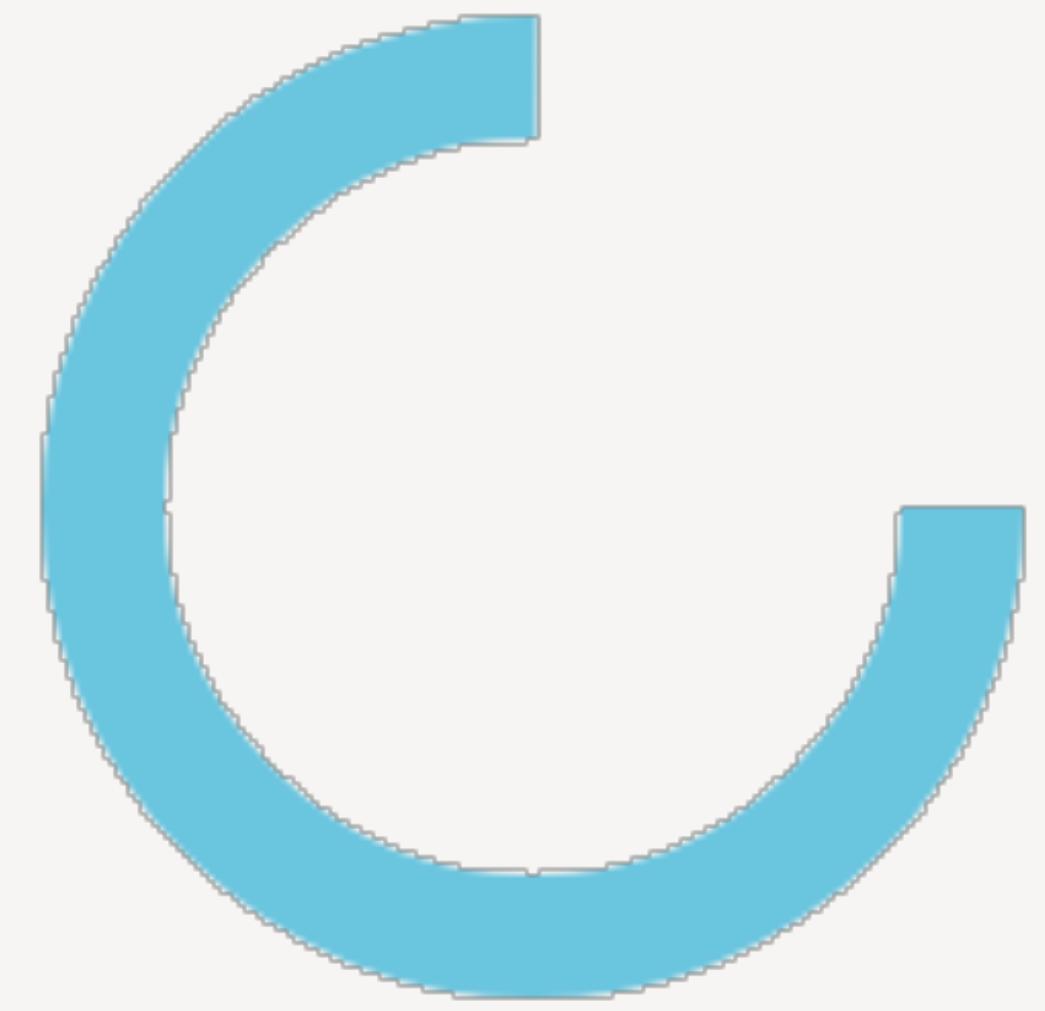
Geolocation/Aberfeldie (Victoria) (Invisible)

Geolocation/Aberfeldy (Victoria) (Invisible)

Geolocation/Aberfoyle (NSW) (Invisible)

Geolocat





We were so focused
on the database, we
forgot about HTTP



LISTING

ARTICLE

PREVIEW

Headline *

Characters remaining 37

Hart: We both reached for the gun

URL Slug:

hart-we BOTH-reached-for-the-gun

Go to URL

Write-off: ⓘ

Characters remaining 78

Not a bit reprehensible, it's so defensible as they both reached for the gun.

Byline:



Mary Sunshine ×

Add author

Brand: *

Brisbane Times ×

Category: *

North America ×

Label:

Characters remaining 15

Add label

What the story is about:

Crime ×

Where else the story should appear:

Billy Flynn × Roxie Hart ×



Coverage of Flynn/Hart press conference.

INK Authoring Local + New View Article

LISTING ARTICLE PREVIEW

Headline * Characters remaining 37

Hart: We both reached for the gun

URL Slug: Go to URL

hart-we BOTH-reached-for-the-gun

Write-off: Characters remaining 78

Not a bit reprehensible, it's so defensible as they both reached for the gun.

Byline:

Mary Sunshine Add author

Brand: * Characters remaining 15

Brisbane Times

Category: *

North America

Label: Add label

What the story is about:

Crime

Where else the story should appear:

Billy Flynn Roxie Hart

Brief

Coverage of Flynn/Hart press conference.

wp-cron.php



INK Authoring Local + New View Article

LISTING ARTICLE PREVIEW

Headline * Characters remaining 37
Hart: We both reached for the gun

URL Slug:
hart-we BOTH-reached-for-the-gun Go to URL

Write-off: ? Characters remaining 78
Not a bit reprehensible, it's so defensible as they both reached for the gun.

Byline:
Mary Sunshine Add author

Brand: * Category: * Label: Characters remaining 15
Brisbane Times North America Add label

What the story is about: Where else the story should appear:
Crime Billy Flynn Roxie Hart

Brief
Coverage of Flynn/Hart press conference.

wp-cron.php

Tags API



INK Authoring Local + New View Article

LISTING ARTICLE PREVIEW

Headline * Characters remaining 37
Hart: We both reached for the gun

URL Slug:
hart-we BOTH-reached-for-the-gun Go to URL

Write-off: Characters remaining 78
Not a bit reprehensible, it's so defensible as they both reached for the gun.

Byline:
Mary Sunshine Add author

Brand: * Characters remaining 15
Brisbane Times

Category: *
North America

Label:
Add label

What the story is about:
Crime

Where else the story should appear:
Billy Flynn Roxie Hart

Brief
Coverage of Flynn/Hart press conference.

wp-cron.php

Tags API

Saved as cron job



LISTING

ARTICLE

PREVIEW

Headline *

Characters remaining 37

Hart: We both reached for the gun

URL Slug:

hart-we-both-reached-for-the-gun

Go to URL

Write-off: ?

Characters remaining 78

Not a bit reprehensible, it's so defensible as they both reached for the gun.

Byline:



Mary Sunshine X Add author

Brand: *

Brisbane Times X

Category: *

North America X

Label:

Characters remaining 15

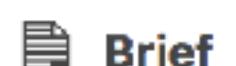
Add label

What the story is about:

Crime X

Where else the story should appear:

Billy Flynn X Roxie Hart X



Coverage of Flynn/Hart press conference.

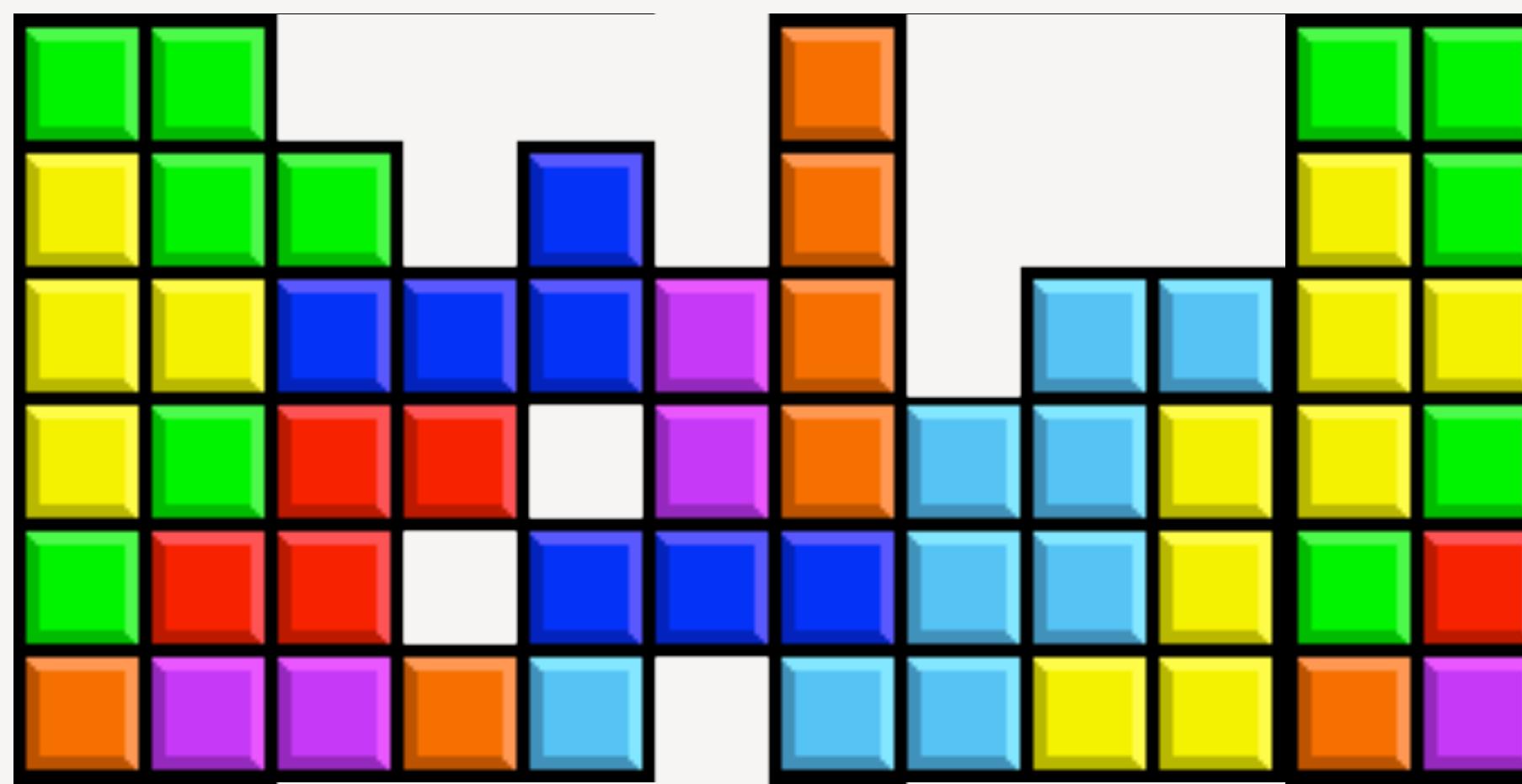
gs A
Saved as cron job

That's
what we
forgot

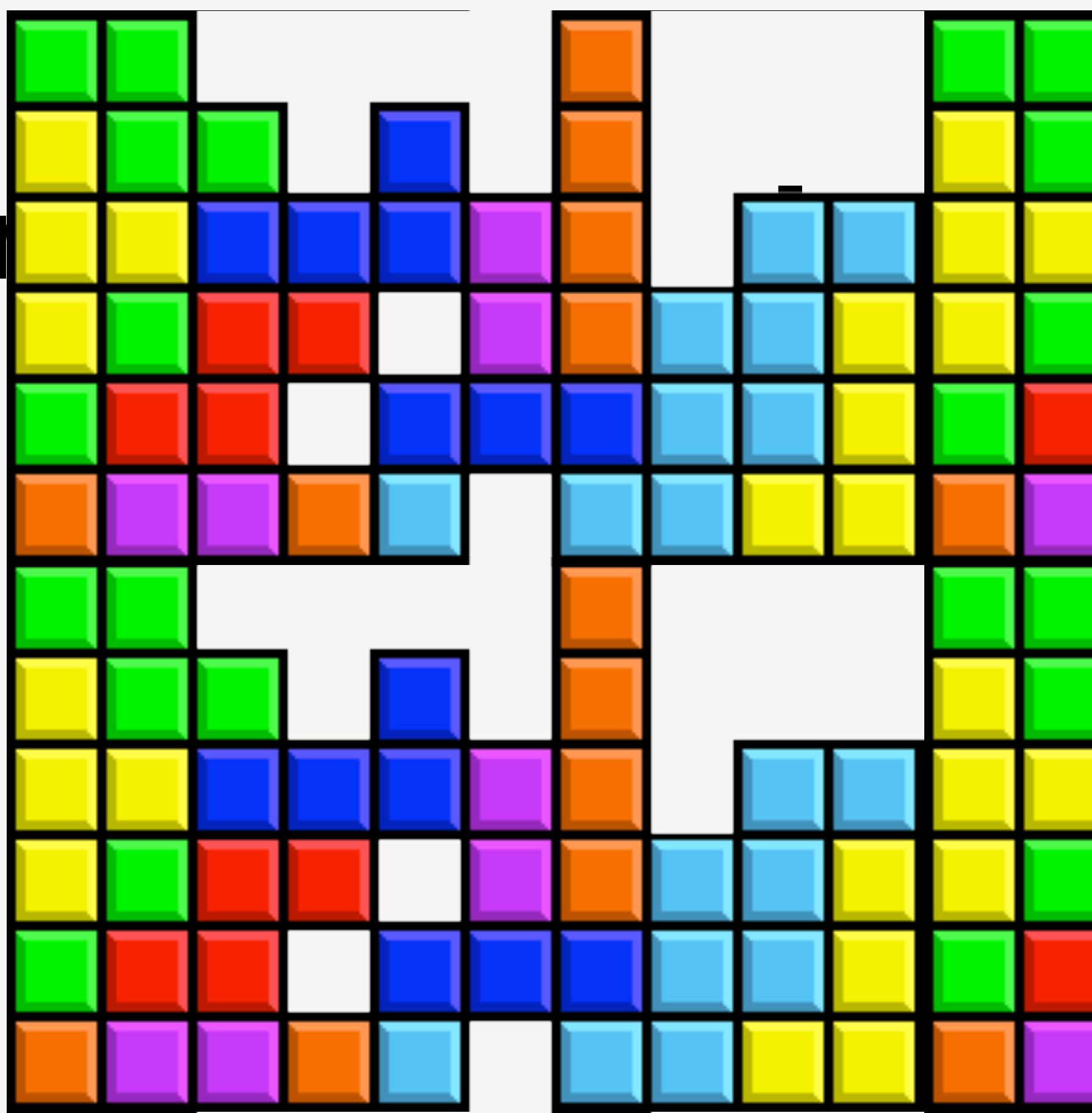
HTTP requests time out



```
update_option( 'cron' , [ /* ... */ ] );
```

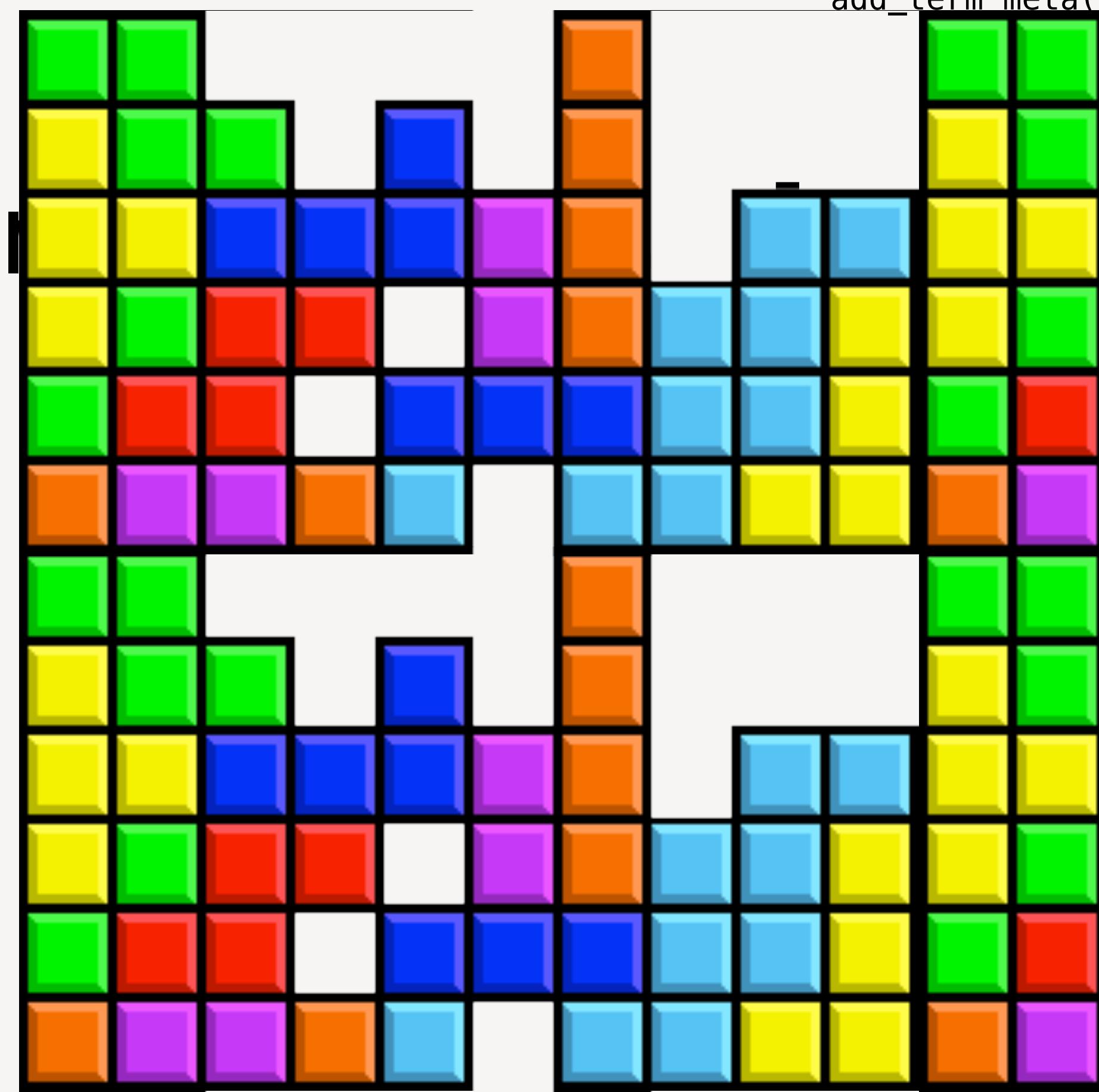


update_option



... */]);

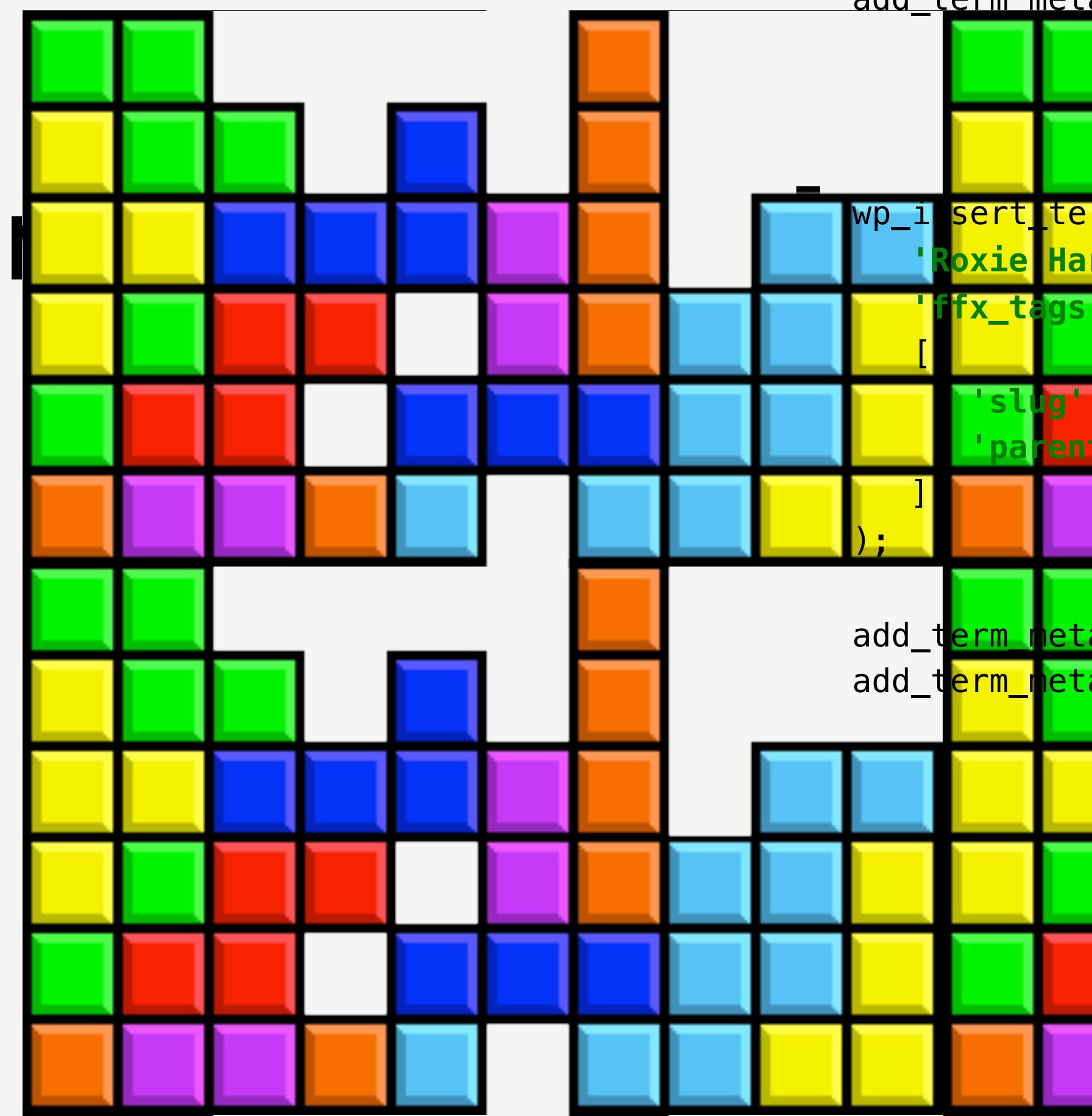
update_option



```
wp_insert_term(  
    'Roxie Hart',  
    'ffx_tags',  
    [  
        'slug'    => 'roxie-hart',  
        'parent'  => '105',  
    ]  
);  
  
add_term_meta( 23170, '_ffx_id', 'h4rt' );  
add_term_meta( 23170, '_ffx_term_meta', [ /* */ ] );
```

... */]);

update_option



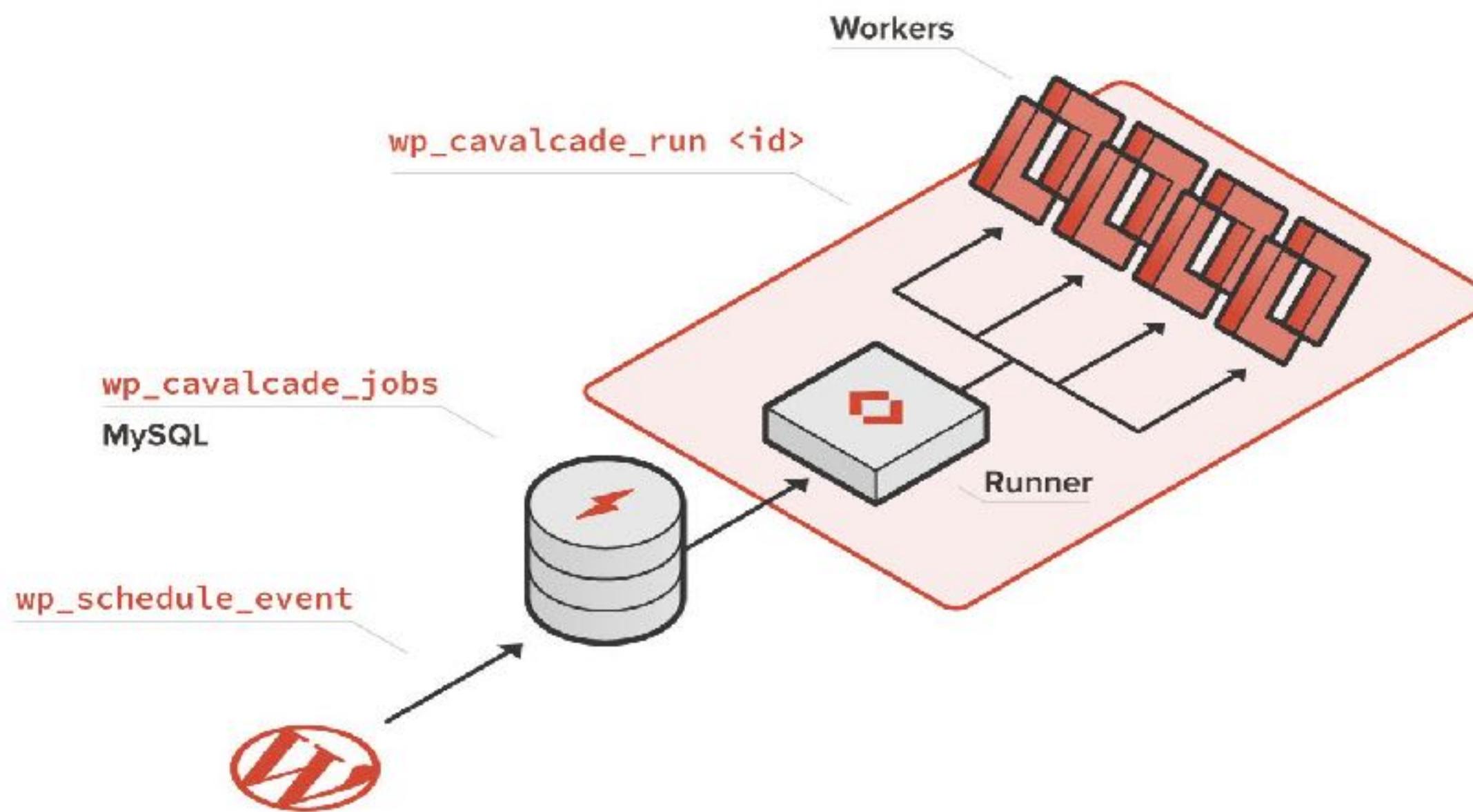
```
wp_insert_term(  
    'Roxie Hart',  
    'ffx_tags',  
    [  
        'slug'    => 'roxie-hart',  
        'parent'  => '105',  
    ]  
);  
  
add_term_meta( 23170, '_ffx_id', 'h4rt' );  
add_term_meta( 23170, '_ffx_term_meta', [ /* */ ] );
```

* /]);

We reverted the
original commit.



Complex sites need scheduled tasks & asynchronous processing. Meet Cavalcade: A **#WordPress** jobs processing solution
humanmade.com/cavalcade



```
/**  
 * Register hooks for WordPress.  
 */  
add_filter( 'pre_update_option_cron' , 'update_cron_array' , 10 ,  
add_filter( 'pre_option_cron' , 'get_cron_array' );
```

Plugin Handbook

Browse: [Home](#) / [Plugin Handbook](#) / [Cron](#) / Scheduling WP Cron Events



CHAPTERS

1 Introduction to Plugin Development

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Scheduling WP Cron Events

Scheduling a recurring task

In order to get your task to execute you must create your own custom hook and give that hook the name of a function to execute. This is a very important step. Forget it and your task will never run.

The following will create the hook. The first parameter is the name of the hook, and the second is the name of your function to call.

```
1 | add_action( 'bl_cron_hook', 'bl_cron_exec' );
```

TOPICS

[Scheduling a recurring task](#)

[Unscheduling tasks](#)

```
// Get the total number of pages.  
$total_pages = get_total_pages();  
  
for ( $page = 1; $page <= $total_pages; $page++ ) {  
    // Get all the tags we need to process on the current page.  
    $tags = get_tags_from_api( $page );  
  
    // Schedule a single event to create or update terms.  
    wp_schedule_single_event(  
        time() + ( 10 * $page * MINUTE_IN_SECONDS ),  
        'ffx_import_some_terms_action',  
        $tags  
    );  
}
```

```
// Get the total number of pages.  
$total_pages = get_total_pages();  
  
for ( $page = 1; $page <= $total_pages; $page++ ) {  
    // Get all the tags we need to process on the current page.  
    $tags = get_tags_from_api( $page );  
  
    // Schedule a single event to create or update terms.  
    wp_schedule_single_event(  
        time(), // Schedule all pages NOW!  
        'ffx_import_some_terms_action',  
        $tags  
    );  
}
```

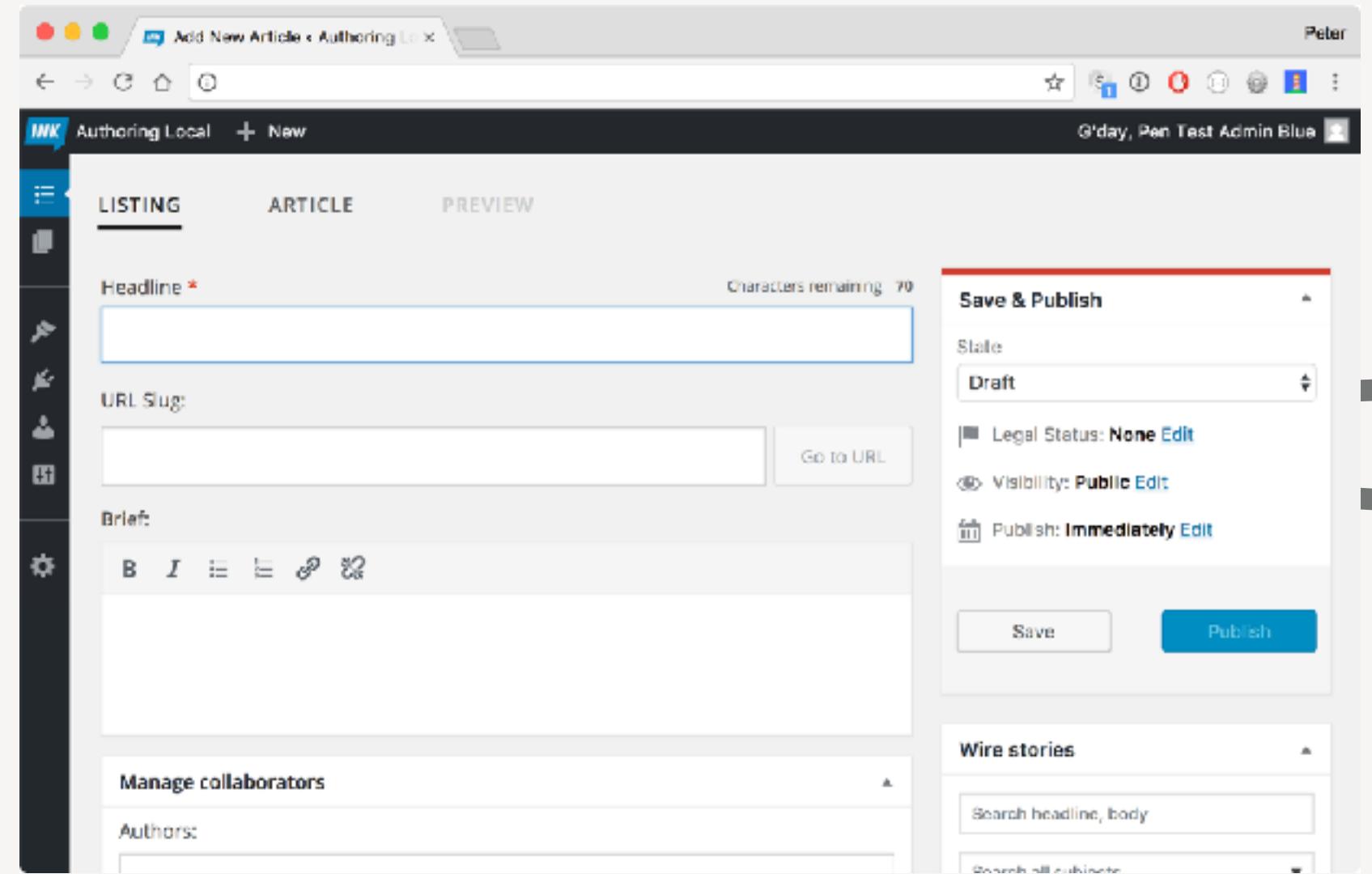
```
// Get the total number of pages.  
$total_pages = get_total_pages();  
  
for ( $page = 1; $page <= $total_pages; $page++ ) {  
    // Get all the tags we need to process on the current page.  
    $tags = get_tags_from_api( $page );  
  
    // Schedule a single event to create or update terms.  
    wp_schedule_single_event(  
        time(), // Schedule all pages NOW!  
        'ffx_import_some_terms_action',  
        $tags  
    );  
}
```

```
// Get the total number of pages.  
$total_pages = get_total_pages();  
  
for ( $page = 1; $page <= $total_pages; $page++ ) {  
    // Set the arguments needed to process the current page.  
    $args = [ 'page' => $page, 'qty' => 50 ];  
  
    // Schedule a single event to create or update terms.  
    wp_schedule_single_event(  
        time(), // Schedule all pages NOW!  
        'ffx_import_tags_cron',  
        $args  
    );  
}
```

```
// Update the scheduling lock.  
update_option( TAGS_SCHEDULING_LOCK_OPTION, time() );  
  
// Get the total number of pages.  
$total_pages = get_total_pages();  
  
for ( $page = 1; $page <= $total_pages; $page++ ) {  
    // Set the arguments needed to process the current page.  
    $args = [ 'page' => $page, 'qty' => 50 ];  
  
    // Schedule a sinale event to create or update terms.
```

```
$args  
);  
}  
  
// Delete the scheduling lock.  
delete_option( TAGS_SCHEDULING_LOCK_OPTION );  
  
update_option( TAGS_SCHEDULED_LOCK_OPTION, time() );
```

```
[11] Worker out:  
[11] Worker err:  
[11] Worker ret: 0  
[12] Worker status: Array  
(  
    [command] => wp cavalcade run 12  
    [pid] => 57  
    [running] =>  
    [signaled] =>  
    [stopped] =>  
    [exitcode] => 0  
    [termsig] => 0  
    [stopsig] => 0  
)  
2018-01-27T01:09:22.458320545Z  
[12] Worker shutting down...  
[12] Worker out:  
[12] Worker err:  
[12] Worker ret: 0  
[14] Running wp cavalcade run 14 (ffx/taxonomies/term_importer/import_tags_cron a:1:{i:0;a:5:{s:8:"tag_ty  
[14] Started worker  
[15] Running wp cavalcade run 15 (ffx/taxonomies/term_importer/import_tags_cron a:1:{i:0;a:5:{s:8:"tag_ty  
[15] Started worker  
[16] Running wp cavalcade run 16 (ffx/taxonomies/term_importer/import_tags_cron a:1:{i:0;a:5:{s:8:"tag_ty  
[16] Started worker  
[ ] Out of workers  
[14] Worker status: Array  
(
```



GET 50 tags

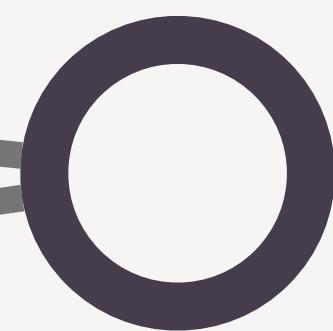


Content API

```
wp_insert_term( /* Roxie Hart */ );  
wp_insert_term( /* Billy Flynn */ );  
wp_insert_term( /* Velma Kelly */ );  
wp_insert_term( /*      x 50      */ );
```



GET 50 tags



Content API

```
wp_insert_term( /* Roxie Hart */ );  
wp_insert_term( /* Billy Flynn */ );  
wp_insert_term( /* Velma Kelly */ );  
wp_insert_term( /*      x 50      */ );
```

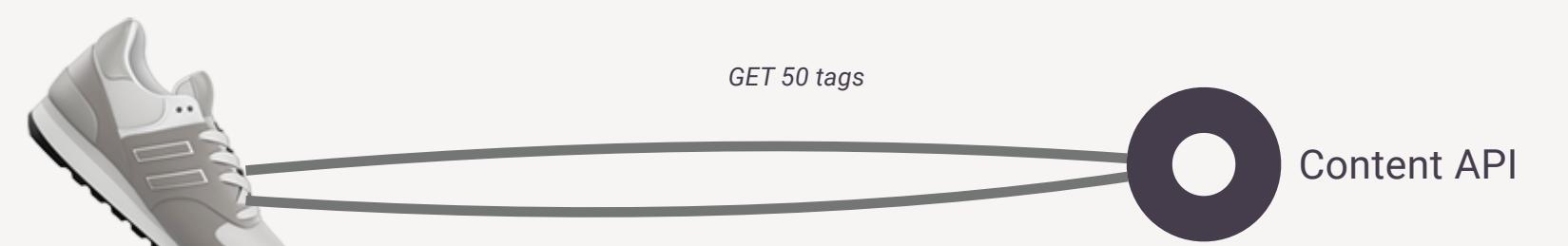


```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```



```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

```
wp_insert_term( /* Roxie Hart */ );
wp_insert_term( /* Billy Flynn */ );
wp_insert_term( /* Velma Kelly */ );
wp_insert_term( /*      x 50      */ );
```

Delete term hierarchy option

```
DELETE FROM `wp_options` WHERE `option_name` = 'ffx_tag_children'
```

Get term hierarchy option (for reasons)

```
SELECT option_value FROM wp_options WHERE option_name = 'ffx_tag_chil
```

Select all terms in the taxonomy to work out hierarchy

```
SELECT t.term_id, tt.parent, tt.count, tt.taxonomy FROM wp_terms AS t
```

Warm the term meta cache for all (a bug)

```
SELECT term_id, meta_key, meta_value FROM wp_termmeta WHERE term_id IN
```

Update the term hierarchy cache (335KB at 23K tags)

```
INSERT INTO `wp_options`(`option_name`, `option_value`, `autoload`)
```

Delete term hierarchy option

```
DELETE FROM `wp_options` WHERE `option_name` = 'ffx_tag_children'
```

Get term hierarchy option (for reasons)

```
SELECT option_value FROM wp_options WHERE option_name = 'ffx_tag_chil
```

Update the term

Select all terms in the taxonomy to work out hierarchy

```
SELECT tt.term_id, tt.parent, tt.count, tt.taxonomy FROM wp_terms AS t
```

hierarchy cache

(335KB at 23K tags)

```
SELECT term_id, meta_key, meta_value FROM wp_termmeta WHERE term_id IN
```

Update the term hierarchy cache (335KB at 23K tags)

```
INSERT INTO `wp_options`(`option_name`, `option_value`, `autoload`)
```

```
function import_tags( $taxonomy, $tags ) {  
/*  
 * Disable term cache additions to speed up  
 * the import, see comments in CMS-1175.  
 */  
wp_suspend_cache_addition( true );  
  
foreach ( $tags[ $taxonomy ] as $tag ) {  
    wp_insert_term( /* $tag */ );  
    update_term_meta( /* tag meta 1 */ );  
    update_term_meta( /* tag meta 2 */ );  
}  
}
```

```
function import_tags( $taxonomy, $tags ) {  
/*  
 * Disable term cache additions to speed up  
 * the import, see comments in CMS-1175.  
 */  
wp_suspend_cache_addition( true );  
  
foreach ( $tags[ $taxonomy ] as $tag ) {  
    wp_insert_term( /* $tag */ );  
    update_term_meta( /* tag meta 1 */ );  
    update_term_meta( /* tag meta 2 */ );  
}  
}
```

Read Cache



Write cache

Read Cache



Write cache

Read Cache



Write cache

Read Cache



Write cache



`wp_suspend_cache_addition(bool $suspend = null)`

Temporarily suspend cache additions.

Description

Stops more data being added to the cache, but still allows cache retrieval. This is useful for actions, such as imports, when a lot of data would otherwise be almost uselessly added to the cache.

Suspension lasts for a single page load at most. Remember to call this function again if you wish to re-enable cache adds earlier.

CONTENTS

Description

- [Parameters](#)
- [Return](#)
- [Source](#)
- [Changelog](#)

Related

- [Used By](#)

Improving the media library

Add New Note < Peter Wilson - x

Secure | https://peterwilson.cc/wp-admin/post-new.php?post_type=pwcc_notes

Peter Wilson 0 New Insights

Add Media

Upload Files Media Library

All media items All dates Search media items.

ATTACHMENT DETAILS

95739279-281C-4E0A-990B-
90F085E26586.jpeg
November 30, 2017
2 MB
4032 × 3024
[Edit Image](#)
[Delete Permanently](#)

URL https://peterwilson.cc/wp-c
Title Dear Evan Hansen playbill
Caption
Alt Text Dear Evan Hansen playbill i

Insert into post

Word count: 0

1 selected

Clear

Playbill covers for Come From Away, Band's Visit, Dear Evan Hansen, and Chicago. A Qantas boarding pass. A hand holding a Dear Evan Hansen playbill. A hand holding a Lion King playbill. A hand holding a Chicago playbill. A neon sign for The Stonewall Inn. A stage set. A man's face with a city skyline in the background.

Add New Note < Peter Wilson - x

Secure | https://peterwilson.cc/wp-admin/post-new.php?post_type=pwcc_notes

Peter

Add Media

Upload Files Media Library

All media items

Search media items.

ATTACHMENT DETAILS

95739279-281C-4E0A-990B-90F085E26586.jpeg

November 30, 2017
2 MB
4032 x 3024
Edit Image
Delete Permanently

URL: https://peterwilson.cc/wp-c
Title: Dear Evan Hansen playbill
Caption:
Alt Text: Dear Evan Hansen playbill i

Drop files to upload

1 selected

Clear

Insert into post

The screenshot shows the 'Add Media' screen in the WordPress admin. A playbill thumbnail for 'Dear Evan Hansen' is highlighted with a green circle and a '+' sign, indicating it's selected for upload. The 'Upload Files' tab is active. On the right, attachment details for the selected file are shown: file name (95739279-281C-4E0A-990B-90F085E26586.jpeg), date (November 30, 2017), size (2 MB), dimensions (4032 x 3024), and options to edit or delete it. Below these details are input fields for URL, Title, Caption, and Alt Text, with placeholder text matching the attachment details. At the bottom, there's a large 'Insert into post' button.

Add New Note < Peter Wilson - x

Secure | https://peterwilson.cc/wp-admin/post-new.php?post_type=pwcc_notes

Peter Wilson 0 New Insights

Add Media

Upload Files Media Library

All media items All dates Search media items.

ATTACHMENT DETAILS

95739279-281C-4E0A-990B-
90F085E26586.jpeg
November 30, 2017
2 MB
4032 × 3024
[Edit Image](#)
[Delete Permanently](#)

URL https://peterwilson.cc/wp-c

Title Dear Evan Hansen playbill

Caption

Alt Text Dear Evan Hansen playbill i

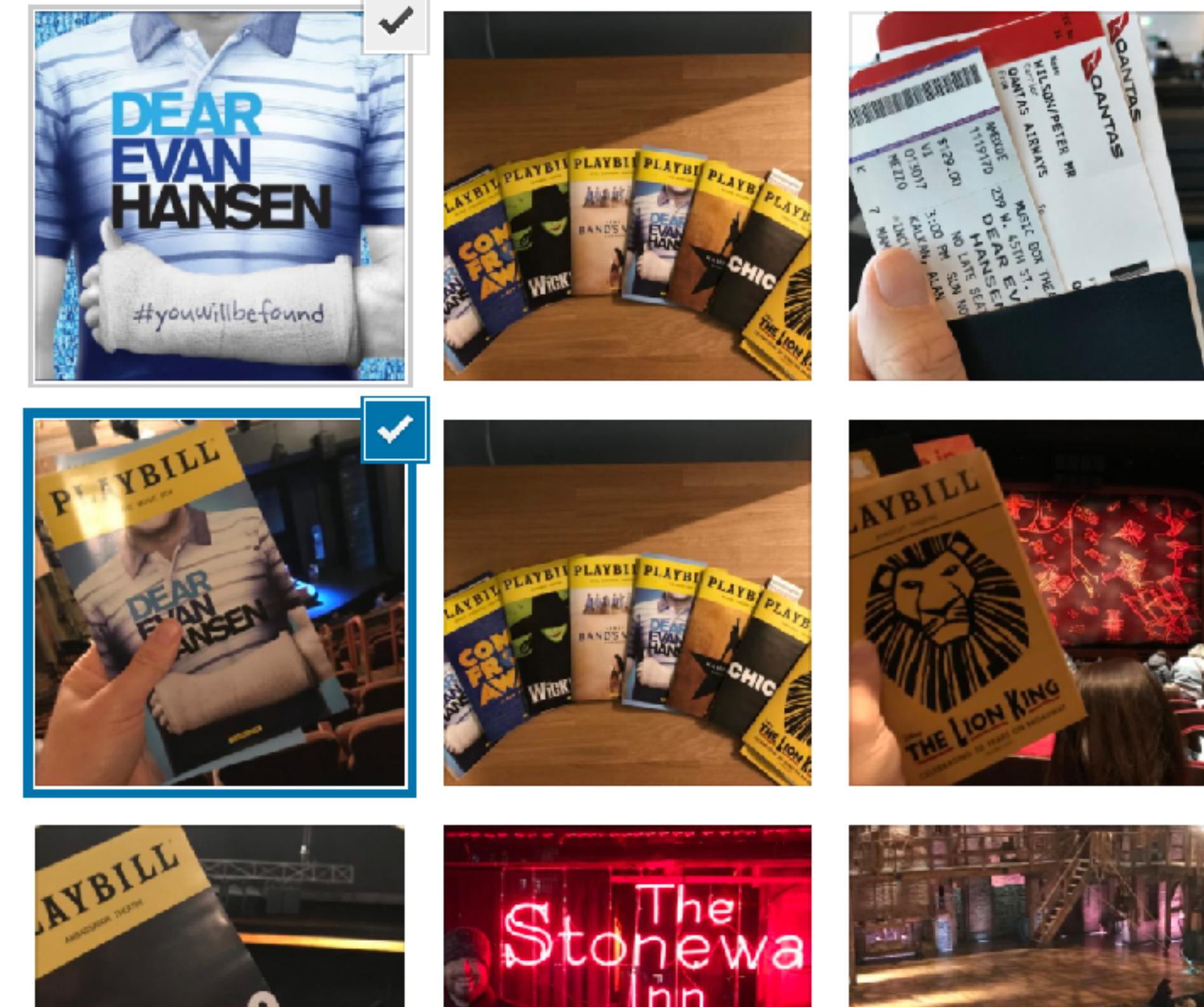
Insert into post

Word count: 0

2 selected

Edit Selection Clear

Add Media Create Gallery Create Audio Playlist Create Video Playlist Insert from URL



The screenshot shows the 'Add Media' screen in the WordPress admin. On the left, a sidebar lists options like 'Add Media', 'Create Gallery', and 'Create Video Playlist'. The main area has tabs for 'Upload Files' (selected) and 'Media Library'. Below are filters for 'All media items' and 'All dates', and a search bar. A grid of thumbnail images is displayed, with the first two checked for selection. The top-left thumbnail shows a person wearing a blue and white striped polo shirt with 'DEAR EVAN HANSEN' and '#youwillbefound' printed on it. The top-right thumbnail shows a hand holding a red Qantas boarding pass. The bottom row includes thumbnails for 'The Lion King' playbill and stage scenes from 'The Stonewall Inn' and 'The Lion King' musical.

Limited crops

four by default

Global crops

happens on upload, calculated

Unpredictable file names

defined by user, not by system



deh-logo.jpg

Same database

images and articles share a db table

Add New Note < Peter Wilson - x

Secure | https://peterwilson.cc/wp-admin/post-new.php?post_type=pwcc_notes

Peter Wilson 0 New Insights Howdy, Peter Wilson

Add Media

Create Gallery

Create Audio Playlist

Create Video Playlist

Insert from URL

All Ad

Add Media

Upload Files Media Library

All media items All dates Search media items.

ATTACHMENT DETAILS

95739279-281C-4E0A-990B-
90F085E26586.jpeg
November 30, 2017
2 MB
4032 × 3024
Edit Image
Delete Permanently

URL https://peterwilson.cc/wp-c
Title Dear Evan Hansen playbill
Caption
Alt Text Dear Evan Hansen playbill i

2 selected

Edit Selection Clear

Insert into post

Word count: 0

Playbill for Dear Evan Hansen featuring a person in a shirt with the title and a thumbs-up. A checkmark is in the top right corner.

Playbills for various Broadway shows including Come From Away, Wicked, Dear Evan Hansen, and The Lion King.

A close-up of a Qantas boarding pass with travel details.

Playbill for The Lion King.

Playbill for Dear Evan Hansen.

Playbills for various Broadway shows.

The interior of a theater stage with red lighting and a staircase.

The exterior of the Stonewall Inn at night.

Add New Note < Peter Wilson - x INK Add New Article < Authoring Local x

Peter

cms-authoring-local/wp/wp-admin/post-new.php#article

INK Authoring Local + New G'day, Pen Test Admin Blue

Insert Inline Image Set Index Image Insert Post Element

Upload Files Media Library

All media items All dates Search media items.

ATTACHMENT DETAILS

METADATA

Description * Source * Caption Credit

1 selected Clear

Insert into article

Version 4.9.1

The screenshot shows a web-based content management system interface for inserting media into a new article. The main area displays a grid of nine thumbnail images from a media library. The top-left thumbnail, showing a row of books or certificates on a shelf, has a blue selection box around it and a checked checkbox in the top-right corner, indicating it is selected. Below the thumbnails, a message says "1 selected". A "Clear" button is located next to the selection message. In the bottom right corner of the main area, there is a large blue "Insert into article" button. To the left of the main content area, a sidebar contains three menu items: "Insert Inline Image", "Set Index Image", and "Insert Post Element". Above the sidebar, there are several small icons representing different functions like file upload, search, and user management. The top navigation bar includes the CMS name "INK Authoring Local", a "New" button, and a user profile for "Peter". The top right corner shows a greeting "G'day, Pen Test Admin Blue". The bottom right corner of the page displays the version number "Version 4.9.1".

Add New Note < Peter Wilson - X Add New Article < Authoring Local - X Peter

← → ⌘ ⌘ ⌘ cms-authoring-local/wp/wp-admin/post-new.php#article

1

Authoring Local New G Day, Peter Test Admin Blue

Insert Inline Image Set Index Image Insert Post Element

Insert Inline Image

Upload Files Media Library

All media items All dates Search media items.

deh-logo.jpg

Drop files to upload

ATTACHMENT DETAILS

78b576d29756c0f06ca5a1c450f4cf84bb69e8de.jpg February 8, 2018 10:07am

METADATA

Description * Source *

Caption Credit

1 selected Clear

Insert into article

The screenshot shows a web browser window with the URL 'cms-authoring-local/wp/wp-admin/post-new.php#article'. The page title is 'Add New Article < Authoring Local - X'. The top navigation bar includes links for 'Add New Note' and 'Peter Wilson'. On the right side of the header, there are several icons: a gear, a person, a red circle, a green circle, a blue square, and a yellow triangle. Below the header, there's a sidebar with options: 'Insert Inline Image', 'Set Index Image', and 'Insert Post Element'. The main content area has a title 'Insert Inline Image' and tabs for 'Upload Files' (selected) and 'Media Library'. Under 'Upload Files', there are filters for 'All media items', 'All dates', and a search bar. A file named 'deh-logo.jpg' is listed with a green plus sign icon. The main area contains a large text field with the placeholder 'Drop files to upload'. To the right, there's a section titled 'ATTACHMENT DETAILS' showing the uploaded file's thumbnail, name ('78b576d29756c0f06ca5a1c450f4cf84bb69e8de.jpg'), and upload date ('February 8, 2018 10:07am'). On the far right, there's a 'METADATA' section with fields for 'Description', 'Source', 'Caption', and 'Credit'. At the bottom left, there are buttons for '1 selected' and 'Clear', and at the bottom right, a large blue button labeled 'Insert into article'.

cms-authoring-local/wp/wp-admin/post-new.php#article

INK Authoring Local + New G'day, Pen Test Admin Blue

Insert Inline Image Set Index Image Insert Post Element

Insert Inline Image

Upload Files Media Library

All media items All dates Search media items.

ATTACHMENT DETAILS

7e51b009bf0e9097a1fd6ba339a78b6181cbde0c.jpg

METADATA

Description * Source * Caption Credit Alt Text

1 selected Clear

Insert into article

Version 4.9.1

Insert Inline Image

[Set Index Image](#)

[Insert Post Element](#)



deh-logo.jpg

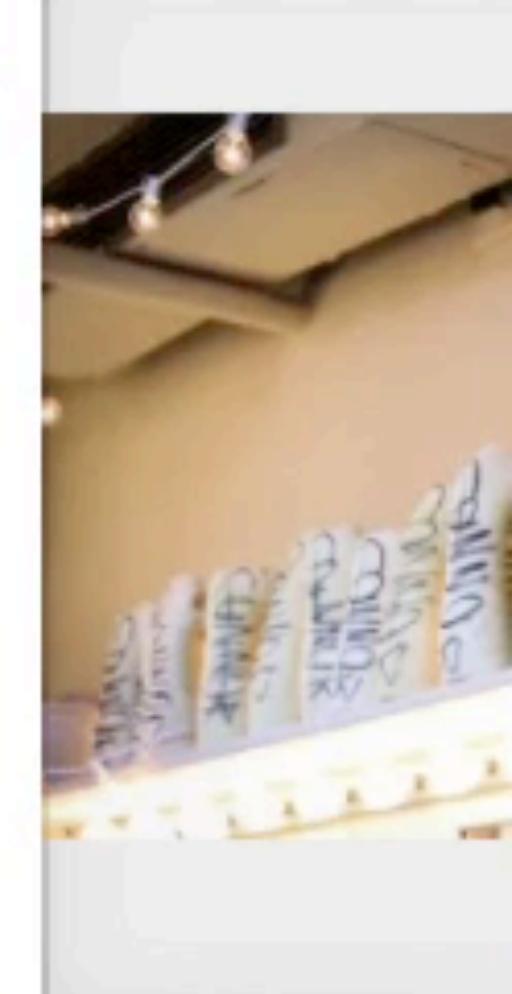
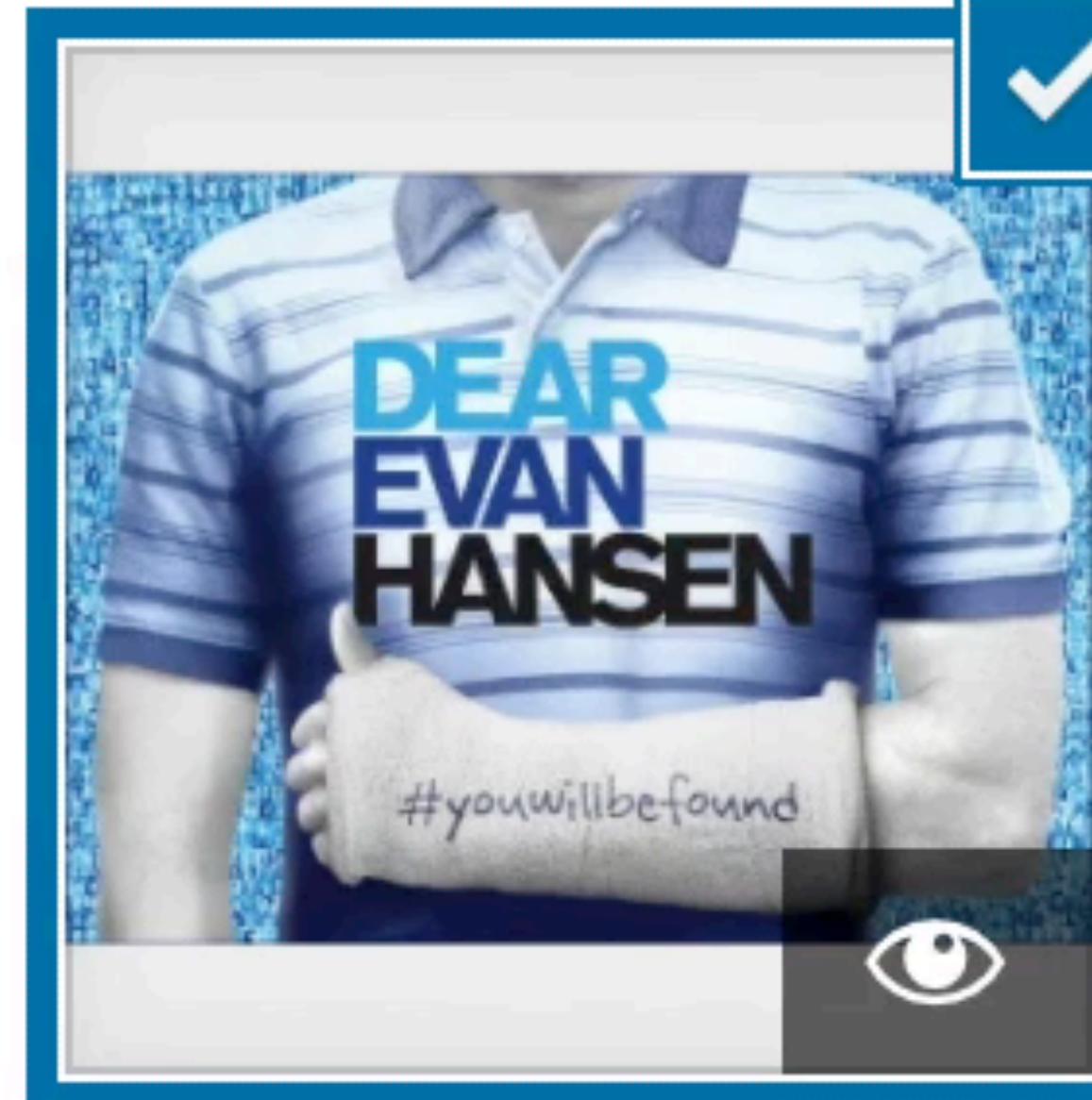
Insert Inline Image

[Upload Files](#)

[Media Library](#)

All media items

All dates





deh-logo.jpg

Insert Inline Image

Set Index Image

Insert Previous



7e51b009bf0e909
7a1fd6b...de0c.jpg

Insert Inline Image

Upload Files

Media Library

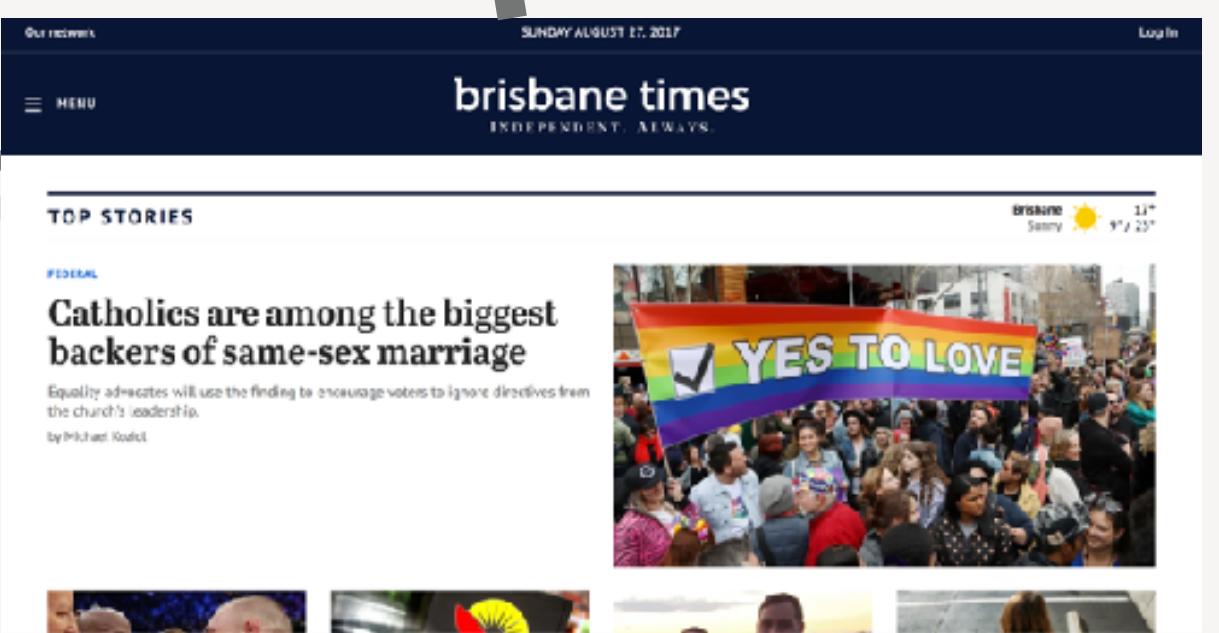
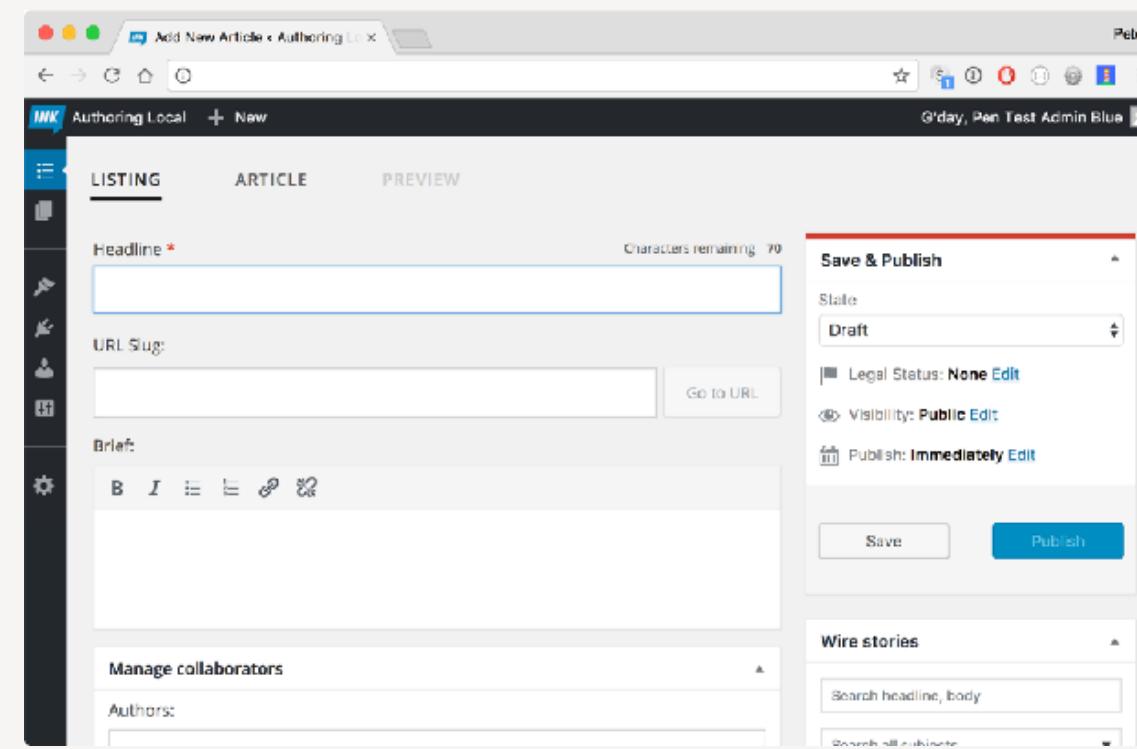
All media items

All dates



Drop

The stack





deh-logo.jpg

Insert Inline Image

Set Index Image

Insert Post Content



7e51b009bf0e909
7a1fd6b...de0c.jpg

Insert Inline Image

Upload Files

Media Library

All media items

All dates



Drop

POST `http://cms-authoring-local/wp/wp-admin/async-upload.php`
– `action: upload-attachment`

```
add_action( 'admin_init', 'ajax_upload_attachment', 0 );

/**
 * Ajax handler for uploading attachments
 *
 * Uploads from the media library are handled
 * by `async-upload.php`.
 * We can't override the hook so intercept `admin_init`.
 */
function ajax_upload_attachment() {
    // Only intercept the upload-attachment action.
    if ( ! isset( $_POST['action'] ) ||
        'upload-attachment' !== $_POST['action'] ) {
```

```
add_action( 'admin_init', 'ajax_upload_attachment', 0 );
```

```
/**  
 * Ajax handler for uploading attachments  
 *  
 * Uploads from the media library are handled  
 * by `async-upload.php`.  
 * We can't override the hook so intercept `admin_init`.  
 */
```

```
function ajax_upload_attachment() {  
    // Only intercept the upload-attachment action.  
    if ( ! isset( $_POST['action'] ) ||  
        'upload-attachment' !== $_POST['action'] ) {
```

```
*  
* Uploads from the media library are handled  
* by `async-upload.php`.  
* We can't override the hook so intercept `admin_init`.  
*/  
function ajax_upload_attachment() {  
    // Only intercept the upload-attachment action.  
    if ( ! isset( $_POST['action'] ) ||  
        'upload-attachment' !== $_POST['action'] ) {  
        return;  
    }  
  
    // Duplicate core functionality.  
  
    wp_die();  
}
```

```
*  
* Uploads from the media library are handled  
* by `async-upload.php`.  
* We can't override the hook so intercept `admin_init`.  
*/  
function ajax_upload_attachment() {  
    // Only intercept the upload-attachment action.  
    if ( ! isset( $_POST['action'] ) ||  
        'upload-attachment' !== $_POST['action'] ) {  
        return;  
    }  
  
    // Duplicate core functionality.  
}
```

```
{  
  'altText':      '',  
  'description': '',  
  'caption':      '',  
  'credit':       '',  
  'keywords':     '',  
  'sha1':         '7e51b009bf0e9097a1fd6ba339a78b618',  
  'source':        '',  
  'source_system_name': 'wordpress',  
  'fileDataURI':   'data:image/jpeg;base64,/9j/4AAQS  
}
```

```
}
```

```
// Duplicate core functionality.
```

```
$schema = Image_Schema\get_image_schema( $image, true );
```

```
wp_remote_request(
```

```
'https://api-media/v0/images',
```

```
[
```

```
  'method' => 'POST',
```

```
  'headers' => [
```

```
    'content-type' => 'application/json',
```

```
  ],
```

```
  'body' => $schema,
```

```
  'timeout' => 10,
```

```
]
```

```
);
```

```
wp_remote_request(  
    'https://api-media/v0/images' ,  
    [  
        'method' => 'POST' ,  
        'headers' => [  
            'content-type' => 'application/json' ,  
        ] ,  
        'body' => $schema ,  
        'timeout' => 10 ,  
    ]  
);  
  
wp_delete_post( $image_id, true );  
  
wp_die();  
}
```



Brand: *

Brisbane Times ×

Category: *

Life & relationships ×

Label:

Characters remaining 15

Add label

What the story is about:

Mental health ×

Where else the story should appear:

Connor Murphy ×



Connor Project explainer: Kickstarter, viral speech, etc.

Inline images

Index images

Related content

Embed

Visual

Text

Paragraph

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1 2

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H

ABC

✓

□

▼

Alana Beck, Evan Hansen and Jared Kleinman are three school kids behind the Connor Project.

Wire stories

Search headline, body

Search all subjects

Search all providers

26/01/2018

End date

Search Feeds

Reset

Collapse search ▲

Sources *

- AAP
- The Age
- Bloomberg
- Brisbane Times
- BusinessInsider
- Domain
- Drive
- Essential Baby
- Essential Kids
- Executive Style

```
{  
  "success": true,  
  "data": [  
    { "id": 4424 /* ... */ },  
    { "id": 4333 /* ... */ },  
    { "id": 4332 /* ... */ },  
    { "id": 4330 /* ... */ },  
    { "id": 4327 /* ... */ },  
    { "id": 4323 /* ... */ },  
    { "id": 4321 /* ... */ },  
    { "id": 4317 /* ... */ },  
    { "id": 4315 /* ... */ }]
```

/wp-admin/admin-ajax.php?action=query-attachments

}

```
{  
  "id": 4424,  
  "filename": "deh-logo.jpg",  
  "url": "https://pwcc.cc/wp-content/uploads/2018/02/deh-logo.  
  "alt": "",  
  "description": "",  
  "caption": "",  
  "name": "deh-logo",  
  "dateFormatted": "February 8, 2018",  
  "mime": "image/jpeg",  
  "type": "image",  
  "subtype": "jpeg",  
  "sizes": {  
    "thumbnail": {},  
    "medium": {},  
    "large": {}  
  }  
}
```

```
{  
  "altText": "Plaster casts from Dear Evan Hansen.",  
  "caption": "The props department creates a new plaster cast for De  
  "dateCreated": "2018-02-07T23:07:57.191Z",  
  "credit": "Internet",  
  "description": "Plaster casts Evan wears in Dear Evan Hansen.",  
  "id": "78b576d29756c0f06ca5a1c450f4cf84bb69e8de",  
  "keywords": "",  
  "source": "Internet"  
}
```

```
/**  
 * Bootstrap the library replacement.  
 */  
function bootstrap() {  
    add_action( 'wp_ajax_query-attachments' , 'ajax_query_attachments' , 0 );  
    add_action( 'wp_ajax_get-attachment' , 'ajax_get_attachment' , 0 );  
}
```



static.ffx.io/bd0d64a85c59655b815776ae46c3d14be7a6098e



[static.ffx.io/images/t_resize_wp_admin/t_quality_best,f_auto/...](static.ffx.io/images/t_resize_wp_admin/t_quality_best,f_auto/)



.../images/\$width_357,\$height_201/t_quality_best,f_auto/...



.../\$multiply_3,\$zoom_0.35,\$ratio_1.8,\$width_357,\$x_600,\$y_180/...

```
add_image_size( 'square1x1' , 200, 200, true );  
add_image_size( 'landscape3x2' , 300, 200, true );  
add_image_size( 'landscape16x9' , 357, 201, true );  
add_image_size( 'portrait2x3' , 200, 300, true );
```

A complete
waste of time

```
add_filter(  
    'intermediate_image_sizes_advanced', /* sizes generated */  
    '__return_empty_array'                /* [] - none */  
);
```

```
get_attachment( 'al4n4b3ck' );
```

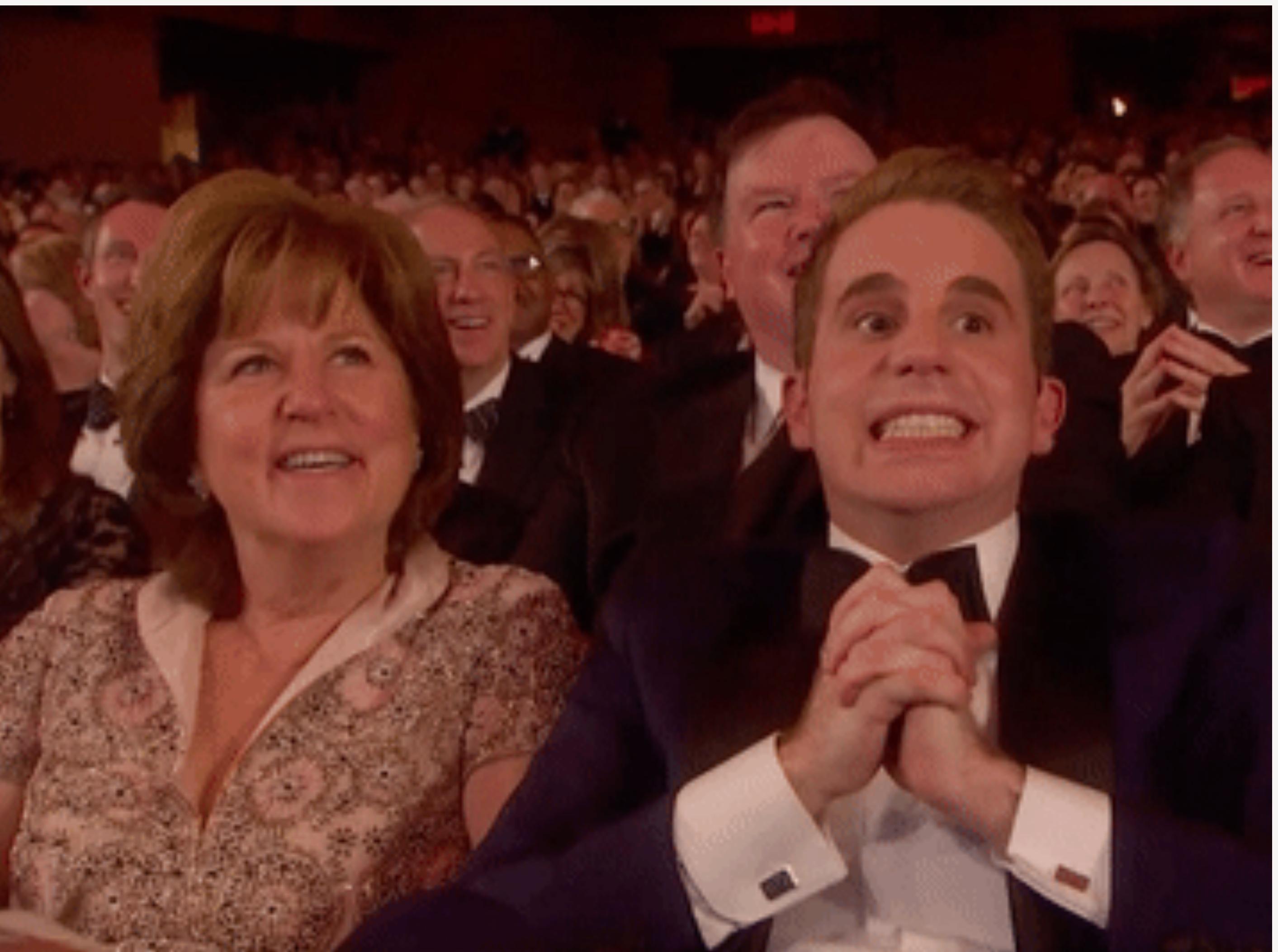
```
get_attachment( 'al4n4b3ck' );
```

```
is_int( 'al4n4b3ck' );
```

```
get_attachment( 'al4n4b3ck' );
```

```
is_int( 'al4n4b3ck' );
```

false



```
/*
 * Retrieve attachment meta field for attachment ID.
 *
 * This matches the signature of `wp_get_attachment_metadata()`
 * modified for use with the Media API.
 *
 * @param string $attachment_id Attachment ID. Default ''.
 * @param bool   $unfiltered    True: filters are not run.
 *                             Default false.
 *
 * @return mixed
 *         Attachment meta field.
 *         False on failure.
 */
function get_attachment_metadata( /* ... */ ) {
```

```
> var_dump( wp_get_attachment_metadata() );  
  
Array(  
    [width] => 2400,  
    [height] => 1559,  
    [file] => '2018/02/you-will-be-found.jpg',  
    [sizes] => Array(  
        [square1x1] => Array(width, height, file),  
        [landscape3x2] => Array(width, height, file),  
        [landscape16x9] => Array(width, height, file),  
        [portrait2x3] => Array(width, height, file),  
        [etc] => Array(width, height, file),  
    )  
)
```

```
> var_dump( API_Media\get_attachment_metadata() );  
  
Array(  
    [width] => 2400,  
    [height] => 1559,  
    [file] => 'bd0d64a85c59655b815776ae46c3d14be7a6098e' ,  
    [url] => 'http://static.ffx.io/bd0d64a85c59655b81...98e' ,  
    [sizes] => Array(  
        [square1x1] => Array(width, height, file, url) ,  
        [landscape3x2] => Array(width, height, file, url) ,  
        [landscape16x9] => Array(width, height, file, url) ,  
        [portrait2x3] => Array(width, height, file, url) ,  
        [etc] => Array(width, height, file, url) ,  
    )  
)
```

API_Media\get_attachment_metadata('**bd0d64...98e**');

API_Media\get_attachment('**bd0d64...98e**');

API_Media\get_attachment_url('**bd0d64...98e**');

```
{  
  "id": "bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "filename": "bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "url": "https://static.ffx.io/bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "alt": "The Dear Evan Hansen cast perform You Will Be Found",  
  "description": "Dear Evan Hansen cast perform You Will Be Found, the",  
  "caption": "Dear Evan Hansen cast perform You Will Be Found, the",  
  "name": "bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "dateFormatted": "February 8, 2018 09:02am",  
  "mime": "image/jpeg",  
  "type": "image",  
  "subtype": "jpeg",  
  "sizes": {  
    "square1x1": {},  
    "landscape3x2": {},  
    "landscape16x9": {}  
  }  
}
```

```
{  
  "id": "bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "filename": "bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "url": "https://static.ffx.io/bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "alt": "The Dear Evan Hansen cast perform You Will Be Found",  
  "description": "Dear Evan Hansen cast perform You Will Be Found, the",  
  "caption": "Dear Evan Hansen cast perform You Will Be Found, the",  
  "name": "bd0d64a85c59655b815776ae46c3d14be7a6098e",  
  "dateFormatted": "February 8, 2018 09:02am",  
  "mime": "image/jpeg",  
  "type": "image",  
  "subtype": "jpeg",  
  "sizes": {  
    "thumbnail": {},  
    "Landscape3x2": {},  
    "Landscape16x9": {}  
  }  
}
```

Not numeric

That's new

These names have changed

Add New Note < Peter Wilson - x

Secure | https://peterwilson.cc/wp-admin/post-new.php?post_type=pwcc_notes

Peter Wilson 0 New Insights

Add Media

Upload Files Media Library

All media items All dates Search media items.

ATTACHMENT DETAILS

95739279-281C-4E0A-990B-90F085E26586.jpeg

November 30, 2017
2 MB
4032 × 3024

Edit Image Delete Permanently

URL https://peterwilson.cc/wp-c

Title Dear Evan Hansen playbill

Caption

Alt Text Dear Evan Hansen playbill i

Insert into post

Add Media Create Gallery Create Audio Playlist Create Video Playlist Insert from URL

1 selected Clear

Word count: 0

The screenshot shows the 'Add Media' screen in the WordPress admin area. On the left, a sidebar lists options like 'Add Media', 'Create Gallery', 'Create Audio Playlist', 'Create Video Playlist', and 'Insert from URL'. The main area has tabs for 'Upload Files' (selected) and 'Media Library'. Below are filters for 'All media items' and 'All dates', and a search bar. A grid of nine thumbnail images is displayed, with the third one ('Dear Evan Hansen playbill') having a checked checkbox in its top right corner. To the right of the thumbnails is a 'ATTACHMENT DETAILS' panel showing the file's URL, title, size, dimensions, and download links for 'Edit Image' and 'Delete Permanently'. At the bottom are fields for 'URL', 'Title', 'Caption', and 'Alt Text', each with their respective input boxes. A large blue 'Insert into post' button is at the bottom right. The status bar at the bottom shows 'Word count: 0'.

Add New Note < Peter Wilson - x

Secure | https://peterwilson.cc/wp-admin/post-new.php?post_type=pwcc_notes

Peter Wilson 0 New Insights

Add Media

Upload Files Media Library

All media items All dates Search media items.

Add Media Create Gallery Create Audio Playlist Create Video Playlist Insert from URL

ATTACHMENT DETAILS

95739279-281C-4E0A-990B-90F085E26586.jpeg November 30, 2017 2 MB 4032 × 3024 Edit Image Delete Permanently

URL https://peterwilson.cc/wp-c Title Dear Evan Hansen playbill Caption Alt Text Dear Evan Hansen playbill i

1 selected Clear

Insert into post

Word count: 0

Howdy, Peter Wilson

wp.media.view

- Attachment
- AttachmentCompat
- AttachmentFilters
- Attachments
- AttachmentsBrowser
- AudioDetails
- Button
- ButtonGroup
- Cropper
- DateFilter
- EditImage
- EditorUploader
- Embed
- EmbedImage
- EmbedLink
- EmbedUrl
- FocusManager
- Frame
- Iframe
- ImageDetails
- Label
- MediaDetails
- MediaFrame
- Menu
- MenuItem
- Modal
- PriorityList
- Router
- RouterItem
- Search
- Selection
- Settings
- Sidebar
- SiteIconCropper
- SiteIconPreview
- Spinner
- Toolbar
- UploaderInline
- UploaderStatus
- UploaderStatusError
- UploaderWindow
- VideoDetails

Inherited from WordPress

- 42 views
- 6 models
- 19 collections

Inherited from WordPress

- 42 views  Underscore
- 6 models  Backbone
- 19 collections  jQuery

```
/* Models */

wp.media.model.Attachment = require( './models/attachment' );
wp.media.model.Attachments = require( './models/attachments' );


/* Views */

wp.media.view.Attachment.Library = require( './views/attachment/library' );
wp.media.view.Attachment.Details = require( './views/attachment/details' );
wp.media.view.Attachment.Selection = require( './views/attachment/selection' );
wp.media.view.Settings.AttachmentDisplay = require( './views/settings/attachmentdisplay' );
wp.media.view.MediaFrame.Post = require( './views/frame/post' );


/* Misc */

wp.media.query = require( './query' );
```

```
/* Models */

wp.media.model.Attachment = require( './models/attachment' );
wp.media.model.Attachments = require( './models/attachments' );

/* Views */

wp.media.view.Attachment.Library = require( './views/attachment/library' );
wp.media.view.Attachment.Details = require( './views/attachment/details' );
wp.media.view.Attachment.Selection = require( './views/attachment/selection' );
wp.media.view.Settings.AttachmentDisplay = require( './views/settings/attachmentdisplay' );
wp.media.view.MediaFrame.Post = require( './views/frame/post' );

/* Misc */

wp.media.query = require( './query' );
```

```
/* Models */
wp.media.model.Attachment = require( './models/attachment' );
wp.media.model.Attachments = require( './models/attachments' );

/* Views */
wp.media.view.Attachment.Library = require( './views/attachment/library' );
wp.media.view.Attachment.Details = require( './views/attachment/details' );
wp.media.view.Attachment.Selection = require( './views/attachment/selection' );
wp.media.view.Settings.AttachmentDisplay = require( './views/settings/attachmentdisplay' );
wp.media.view.MediaFrame.Post = require( './views/frame/post' );

/* Misc */
wp.media.query = require( './query' );
```

```
/* Models */

wp.media.model.Attachment = require( './models/attachment' );
wp.media.model.Attachments = require( './models/attachments' );

/* Views */

wp.media.view.Attachment.Library = require( './views/attachment/library' );
wp.media.view.Attachment.Details = require( './views/attachment/details' );
wp.media.view.Attachment.Selection = require( './views/attachment/selection' );
wp.media.view.Settings.AttachmentDisplay = require( './views/settings/attachmentdisplay' );
wp.media.view.MediaFrame.Post = require( './views/frame/post' );

/* Misc */

wp.media.query = require( './query' );
```

```
/* Models */

wp.media.model.Attachment = require( './models/attachment' );
wp.media.model.Attachments = require( './models/attachments' );


/* Views */

wp.media.view.Attachment.Library = require( './views/attachment/library' );
wp.media.view.Attachment.Details = require( './views/attachment/details' );
wp.media.view.Attachment.Selection = require( './views/attachment/selection' );
wp.media.view.Settings.AttachmentDisplay = require( './views/settings/attachmentdisplay' );
wp.media.view.MediaFrame.Post = require( './views/frame/post' );


/* Misc */

wp.media.query = require( './query' );
```

```
/**  
 * wp.media.query  
 *  
 * We're overriding this because we need to use our custom  
 * Attachment model and collection.  
 */  
module.exports = function ( props = {} ) {  
    return new Attachments( null, {  
        props: _.extend(  
            _.defaults( props, { orderby: 'date', order: 'DESC' } ),  
            { query: true }  
        )  
    } );  
};
```

```
/**  
 * wp.media.query  
 *  
 * We're overriding this because we need to use our custom  
 * Attachment model and collection.  
 */  
module.exports = function ( props = {} ) {  
    return new Attachments( null, {  
        props: _.extend(  
            _.defaults( props, { orderby: 'date', order: 'DESC' } ),  
            { query: true }  
        )  
    } );  
};
```

```
/**  
 * wp.media.view.Attachment.Library  
 *  
 * We're overriding this to use our custom template for images.  
 */  
module.exports = Library.extend( {  
    template: function () {  
        const prefix = ( this.model.get( 'type' ) === 'image' ) ? 'ffx-' : '';  
        const template = wp.template( ` ${prefix}attachment` );  
  
        return template.apply( this, arguments );  
    }  
} );
```

```
/**  
 * wp.media.view.Attachment.Library  
 *  
 * We're overriding this to use our custom template for images.  
 */  
module.exports = Library.extend( {  
    template: function () {  
        const prefix = ( this.model.get( 'type' ) === 'image' ) ? 'ffx-' : '';  
        const template = wp.template( ` ${prefix}attachment` );  
  
        return template.apply( this, arguments );  
    }  
} );
```

A heavy touch server side
A lighter touch client side

ATTACHMENT DISPLAY SETTINGS

Alignment Center ▾

Link To None ▾

Size Full Size – 4032 × 3024 ▾

ATTACHMENT DISPLAY SETTINGS

Alignment

Center 

Link To

None 

Size

Full Size – 4032 × 3024 

DISPLAY SETTINGS

Landscape 16:9

 Crop



Landscape 3:2

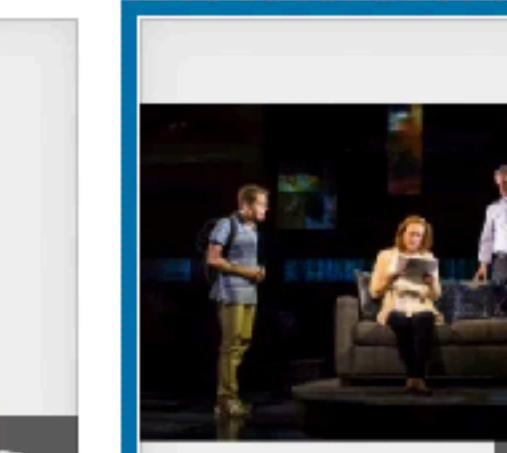
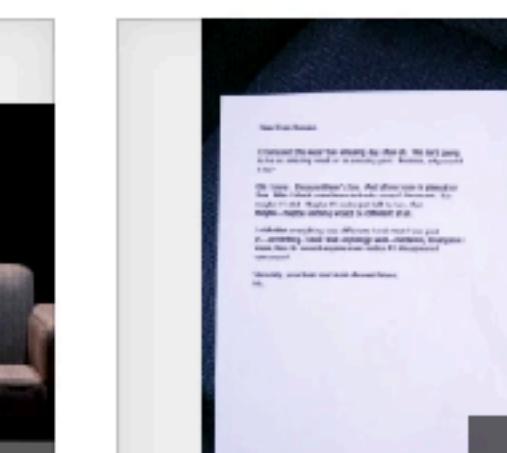
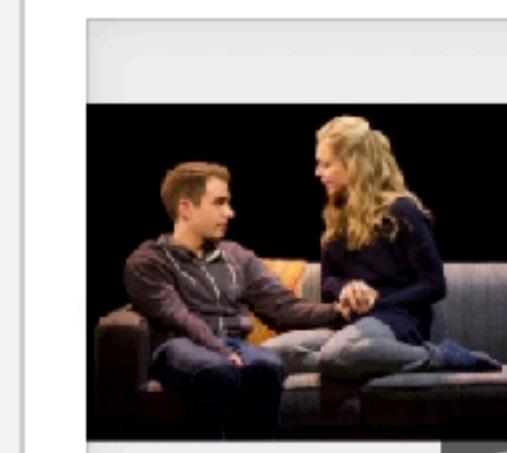
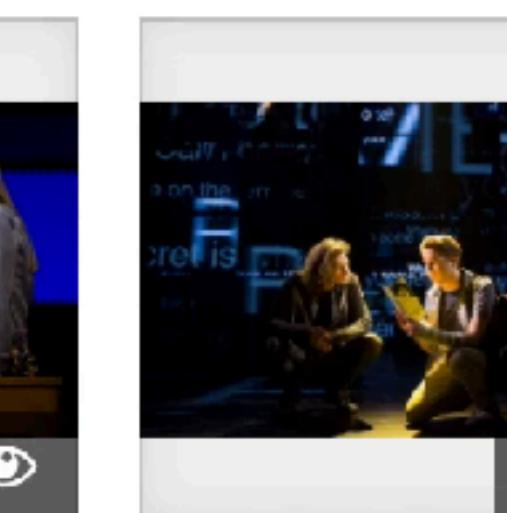
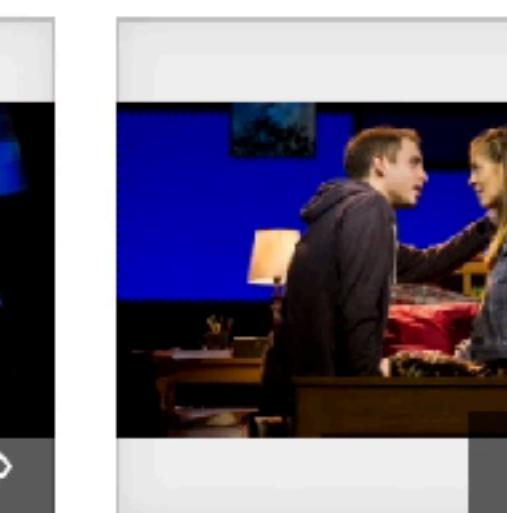
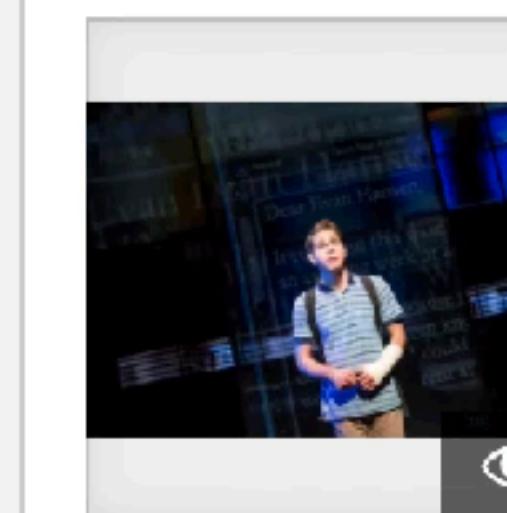
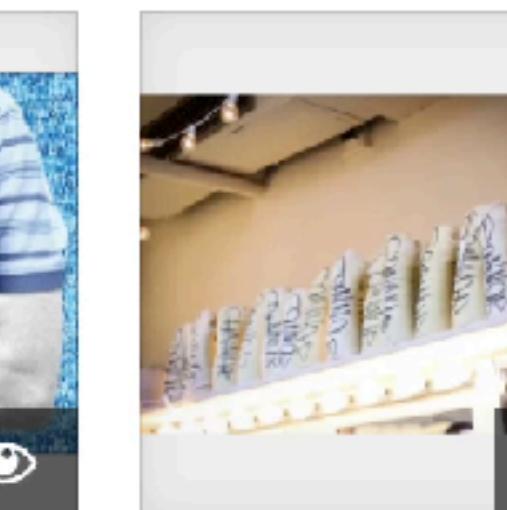
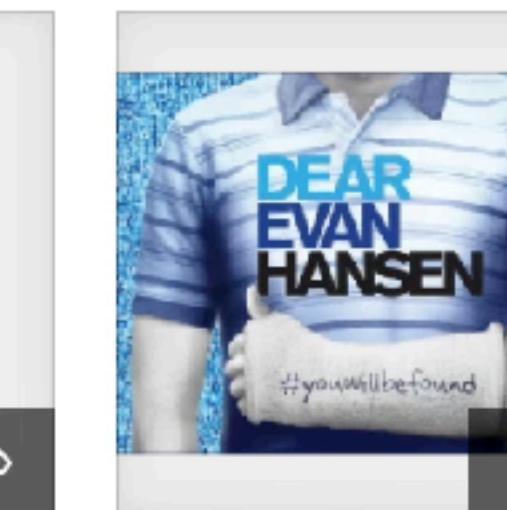
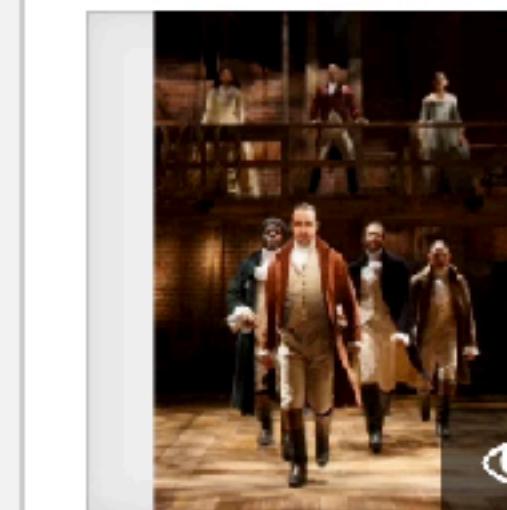
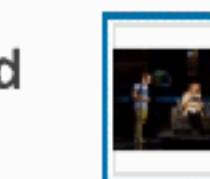
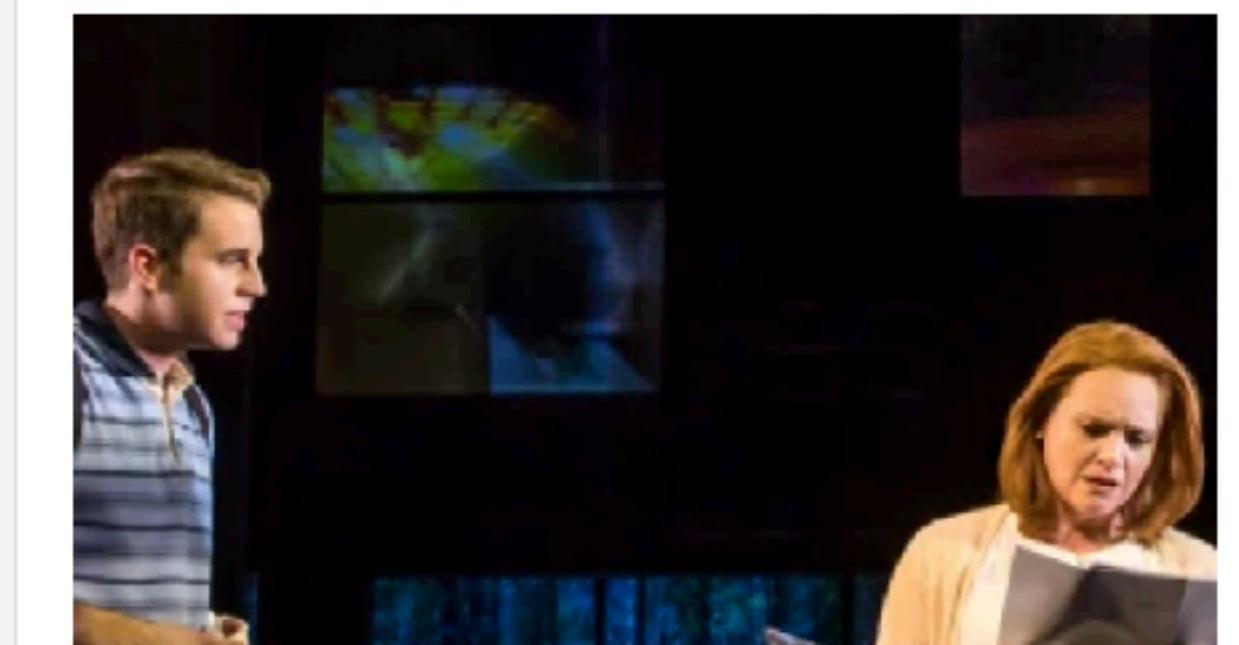
 Crop



```
/**  
 * CropPreview Model  
 *  
 * @class  
 * @augments Backbone.Model  
 */  
module.exports = Backbone.Model.extend( {  
  defaults: {  
    id: '',  
    url: '',  
    attachment_id: '',  
    autoCrop: true,  
    fileName: '',  
    aspect: '',  
    originalWidth: 0,  
    originalHeight: 0  
  }  
});
```

[Insert Inline Image](#)[Set Index Image](#)[Insert Post Element](#)

Insert Inline Image

[Upload Files](#)[Media Library](#)[All media items](#)[All dates](#) Search media items..1 selected
[Clear](#)**Landscape 16:9**[Crop](#)**Landscape 3:2**[Crop](#)[Insert into article](#)



Crop image

[< Back](#)**Landscape 16:9**

Use the slider to scale the image within the crop area:

[Reset to default crop](#)**Save crop**

```
[img id="f23d41a8ebf536a52eca254e1bb44d996cf21d25"
    altText="..." caption="..." credit="..."
    source="..." description="..."

    aspect="1.5" cropWidth="300" autoCrop="false"
    offsetX="-374.3478" offsetY="-85.9782"
    zoom="0.3062"] [/img]
```

Publishing & workflow

Publish

[Save Draft](#)

[Preview](#)

 Status: **Draft** [Edit](#)

 Visibility: **Public** [Edit](#)

 Publish immediately [Edit](#)

[Publish](#)

Publish

Save Draft

Preview

 Status: Draft [Edit](#)

 Visibility: Public [Edit](#)

 Publish immediately [Edit](#)

Publish

Save & Publish

State

Review

 Legal Status: Pending [Edit](#)

 Visibility: Public [Edit](#)

 Publish: Immediately [Edit](#)

Save 

Publish

Delete

*// We don't need this, we have
// the Publish Box of the Future™!*

```
remove_meta_box(  
    'submitdiv',  
    'post',  
    'side'  
) ;
```

// The Publish Box of the Future™!

```
add_meta_box(  
    'ffx-submitdiv',  
    __( 'Save & Publish', 'ffx' ),  
    __NAMESPACE__ . '\\the_loading_icon',  
    [ 'post' ],  
    'side',  
    'high'  
) ;
```

AJAX everything

avoid full page refreshes

```
register_rest_field(  
    'post',  
    'ffx_writeoff',  
    [  
        'get_callback' => __NAMESPACE__ . '\\get_writeoff',  
        'update_callback' => __NAMESPACE__ . '\\set_writeoff',  
        'schema' => [  
            'description' => ___('Article writeoff', 'ffx'),  
            'type' => 'string',  
        ],  
    ]  
) ;
```

```
register_rest_field(  
    'post',  
    'ffx_writeoff',  
    [  
        'get_callback' => __NAMESPACE__ . '\\get_writeoff',  
        'update_callback' => __NAMESPACE__ . '\\set_writeoff',  
        'schema' => [  
            'description' => ___('Article writeoff', 'ffx'),  
            'type' => 'string',  
        ],  
    ]  
) ;
```

Headline *

Characters remaining 11

Lin-Manuel Miranda to reprise Hamilton role for Puerto Rico

URL Slug:

lin-manuel-miranda-to-reprise-hamilton-role-for-puerto-rico

Go to URL

Brief:



LMM to play Hamilton, quotes available in wire story.

Manage collaborators

Format:

Standard article

Deadline:

Date and time

Save & Publish

State

Ready

Legal Status: None

 Revisions: 11 [Browse](#) Visibility: Public [Edit](#) Published: Feb 13, 2018 @ 11:05 [Edit](#)

Updated: Feb 13, 2018 @ 11:06

Off Time: Mar 1, 2018 @ 00:00

Unpublished changes:

Feb 13, 2018 @ 11:14

Save

Update

Retract

 Major Update

Wire stories

 Unpublished changes:
Feb 13, 2018 @ 11:14

Manage collaborators

Format:

Standard article

Deadline:

Date and time

Brand: *

Brisbane Times 

Category: *

Musicals 

Label:

Characters remaining 15

Add label

What the story is about:

Lin-Manuel Miranda 

Where else the story should appear:

Puerto Rico 

Slack channel: 

Choose Slack channel

Confirm and lock

Identifier:

Add identifier

Save

Update

Retract

Major Update

Wire stories

Search headline, body

Search all subjects

Search all providers

30/01/2018

End date

Search Feeds

Reset

Collapse search 

Sources *

Headline *

Characters remaining 11

Lin-Manuel Miranda to reprise Hamilton role for Puerto Rico

URL Slug:

lin-manuel-miranda-to-reprise-hamilton-role-for-puerto-rico

[Go to URL](#)Write-off: 

Characters remaining 42

Lin-Manuel Miranda has announced he reprise his Tony Award winning role in Hamilton the Musical for two weeks in 2019.

Byline:

Peter Wilson  [Add author](#)

Brand: *

Brisbane Times 

Category: *

Musicals 

Label:

Characters remaining 15

[Add label](#)

What the story is about:

Where else the story should appear:

Save & Publish

State

Ready

 Legal Status: None Revisions: 11 [Browse](#) Visibility: Public [Edit](#) Published: Feb 13, 2018 @ 11:05 [Edit](#)Updated: **Feb 13, 2018 @ 11:06**Off Time: **Mar 1, 2018 @ 00:00** Unpublished changes:

Feb 13, 2018 @ 11:14

[Save](#)**Update**[Retract](#) Major Update**Wire stories**

Sixty-one
custom properties

```
register_rest_field(  
    'post',  
    'ffx_private',  
    [  
        'get_callback' => __NAMESPACE__ . '\\get_privacy',  
        'update_callback' => __NAMESPACE__ . '\\set_privacy',  
        'schema' => [  
            'description' => ___(' Fairfax Visibility', 'ffx'),  
            'type' => 'boolean',  
        ],  
    ]  
) ;
```

Inherited from WordPress

 Underscore

 Backbone

 jQuery

Inherited from WordPress

 Underscore

 Backbone

 jQuery

 WordPress REST API client library

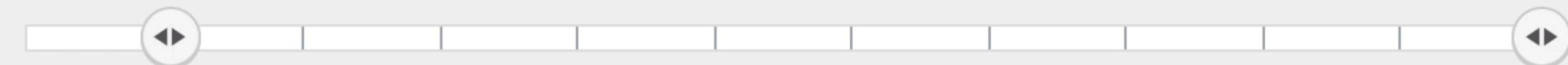
The Post model

- author
- categories
- comment_status
- content
- date
- date_gmt
- excerpt
- featured_media
- ffx-legal-status
- ffx-post-state
- ffx-sources
- ffx-tags
- ffx_advertisements
- ffx_advertiser_logo
- ffx_advertiser_name
- ffx_article_tool
- ffx_authors
- ffx_bespoke_url
- ffx_brief
- ffx_collab_authors
- ffx_collab_editor
- ffx_collab_watchers
- ffx_comments
- ffx_comments_open
- ffx_commercial_content_ty
pe
- ffx_correction
- ffx_correction_text
- ffx_format
- ffx_identifier
- ffx_in_numbers
- ffx_in_numbers_title
- ffx_index_headline
- ffx_intro
- ffx_label
- ffx_last_updated
- ffx_major_update
- ffx_misc_update
- ffx_off_time
- ffx_primary_tag
- ffx_private
- ffx_seo_description
- ffx_seo_news_keywords
- ffx_seo_noindex
- ffx_seo_title
- ffx_slack_channel
- ffx_sponsor
- ffx_sports_score
- ffx_syndication
- ffx_talking_points
- ffx_talking_points_live_title
- ffx_talking_points_title
- ffx_url
- ffx_url_content
- ffx_url_slug
- ffx_why_it_matters
- ffx_writeoff
- format
- id
- meta
- password
- ping_status
- slug
- status
- sticky
- template
- title

```
> wp.api.models.Post.prototype.args.ffx_private
```

```
{  
    required:      false,  
    description:  "Fairfax Visibility.",  
    type:          "boolean"  
}
```

Compare Revisions of "[Lin-Manuel Miranda's Puerto Rican return as Hamilton](#)"

[← Return to editor](#) Compare any two revisions

From:  Revision by Pen Test Admin Blue
22 hours ago (13 Feb @ 10:46)

To:  Current Revision by Pen Test Admin Blue
1 min ago (14 Feb @ 09:05)

[Restore This Revision](#)

Headline

Lin-Manuel Miranda to reprise Hamilton role for
Puerto Rico

Lin-Manuel Miranda's Puerto Rican return as Hamilton

Content

[img id="9550846e3098113e9fe16878fcbe26e23580e8ea"
caption="Lin-
Manuel%20Miranda%20in%20Hamilton%20the%20Musical"
credit="Production, Hamilton the Musical"
source="Production" description="Lin-
Manuel%20Miranda%20in%20Hamilton%20the%20Musical"]

Hamilton the Musical announced Wednesday that Lin-Manuel Miranda, the creator and original star of the musical, would return to the title role for a three-week run in Puerto Rico in January 2019.

[img id="9550846e3098113e9fe16878fcbe26e23580e8ea"
caption="Lin-
Manuel%20Miranda%20in%20Hamilton%20the%20Musical"
credit="Production, Hamilton the Musical"
source="Production" description="Lin-
Manuel%20Miranda%20in%20Hamilton%20the%20Musical"]



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WP-Post-Meta-Revisions

By Adam Silverstein - code developed with others

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Details

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Support

Development

Description

This plugin implements a post meta revisioning feature as arrived at in <https://core.trac.wordpress.org/ticket/20564>.

The goal of releasing this code as a plugin is to allow as many people as possible to easily test the post meta revisioning feature, and also hopefully move towards inclusion of the feature into core, following the [Features as Plugins](#) model.

Further development of the code for this plugin will continue on its [GitHub page](#).

Version: 0.2.2

Last updated: 2 years ago

Active installations: 500+

Requires WordPress Version: 4.1

Tested up to: 4.5.11

[Advanced View](#)

Post meta of
the past

`wp_insert_post`

- update post content
- update taxonomies
- update meta data

🎉 create new revision

Update via REST API

- update post content

create new revision

- update taxonomies
- update meta data

```
add_filter( 'rest_pre_dispatch', 'move_revision_callback', 10, 3 );

/* Move the 'wp_save_post_revision' callback for REST requests. */

function move_revision_callback( $result, $unused, $request ) {
    /* SNIP: Check for post update request */

    // Move default `wp_save_post_revision` callback.
    remove_action( 'post_updated', 'wp_save_post_revision', 10 );
    add_action( 'rest_request_after_callbacks', 'wp_save_post_revision');

    return $result; // Support other filters.
}
```

```
add_filter( 'rest_pre_dispatch', 'move_revision_callback', 10, 3 );

/* Move the 'wp_save_post_revision' callback for REST requests. */

function move_revision_callback( $result, $unused, $request ) {
    /* SNIP: Check for post update request */

    // Move default `wp_save_post_revision` callback.

    remove_action( 'post_updated', 'wp_save_post_revision', 10 );
    add_action( 'rest_request_after_callbacks', 'wp_save_post_revision');

    return $result; // Support other filters.
}
```

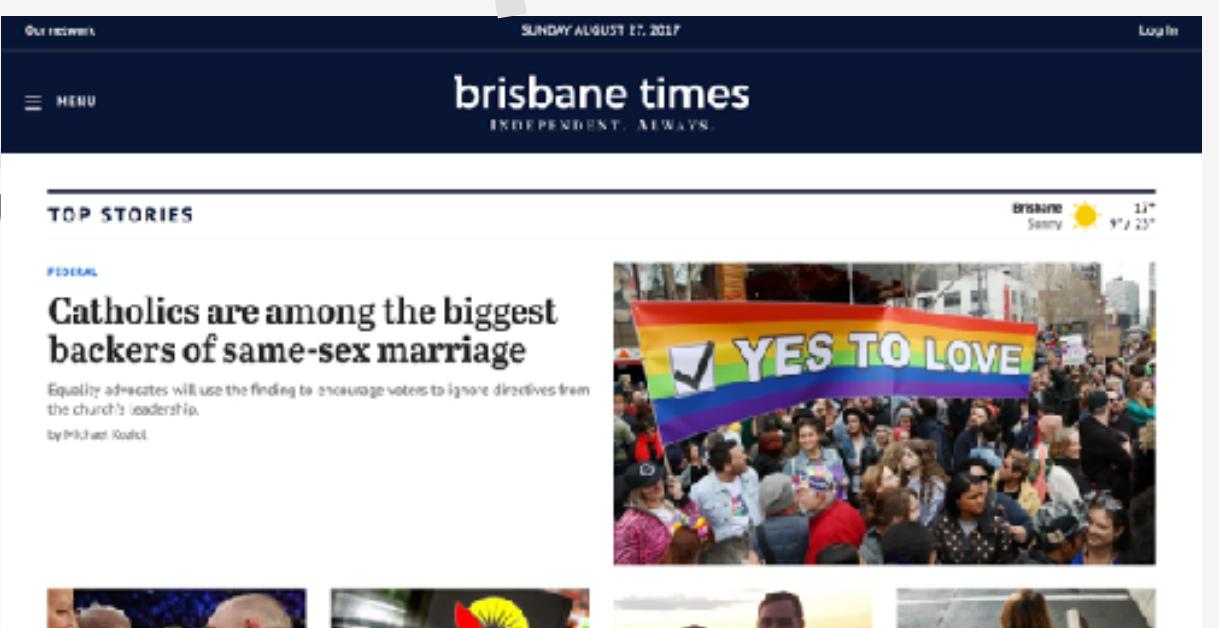
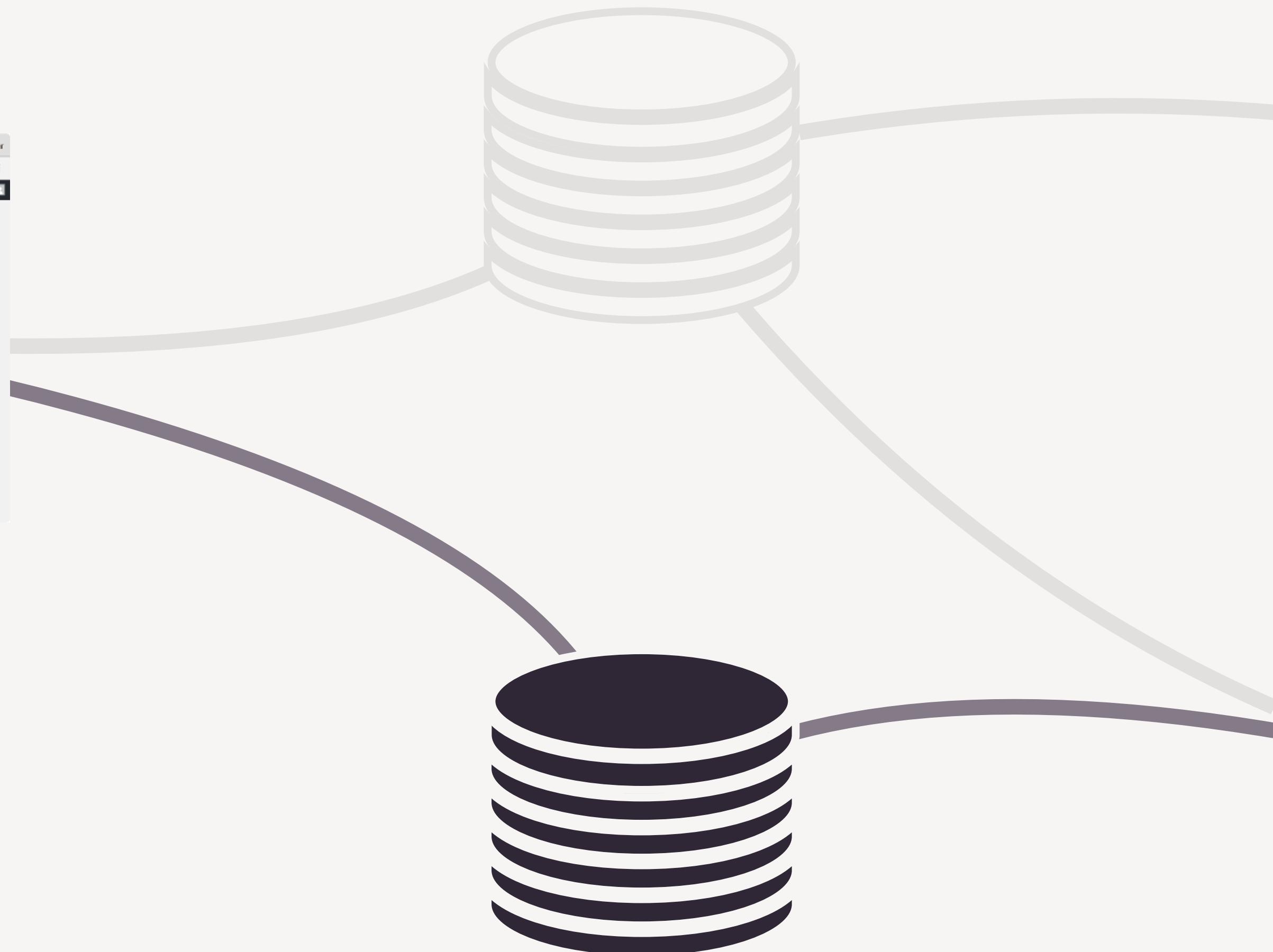
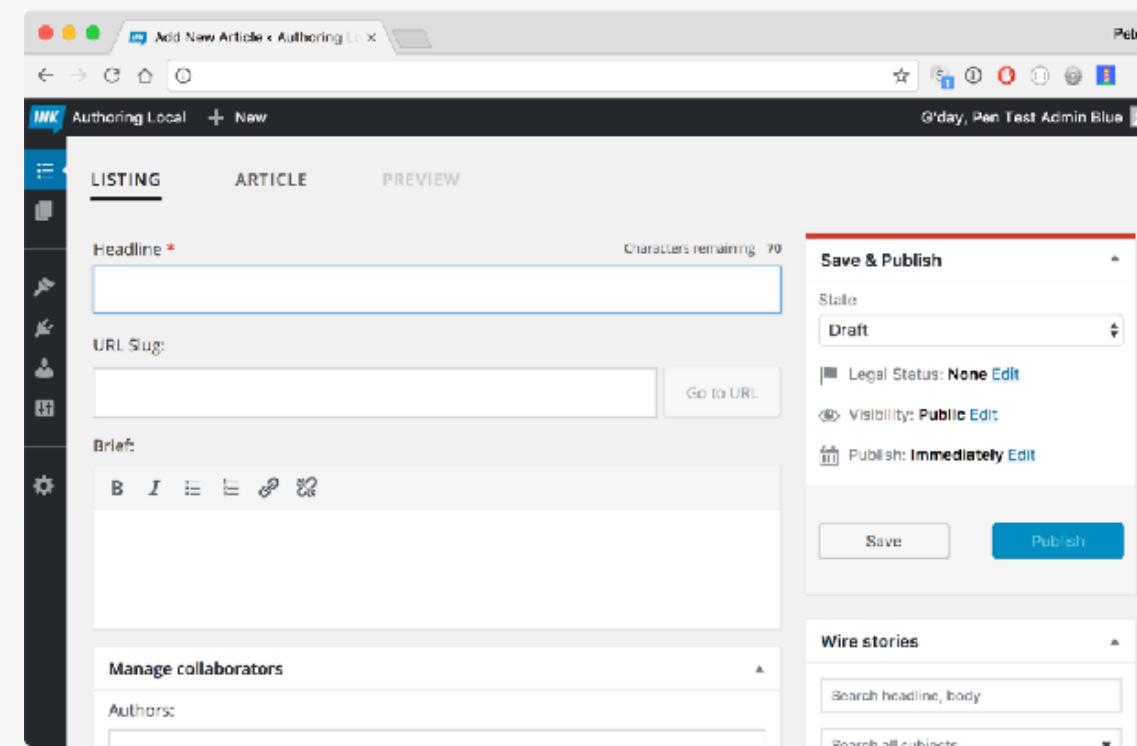
```
add_filter( 'rest_request_after_callbacks', 'reset_revision_cb' );

/* Reset 'wp_save_post_revision' after REST requests. */

function reset_revision_cb( $response ) {
    // Move default `wp_save_post_revision` callback.
    add_action( 'post_updated', 'wp_save_post_revision', 10 );

    return $response; // Support other filters.
}
```

The stack



The stack



Why WordPress?

[img id="9550846e3098113e9fe16878fcbe26e23580e8ea" alt="Placeholder for the image of Lin-Manuel Miranda in Hamilton the Musical production." data-bbox="42 79 980 136"]

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"caption":

"Lin-Manuel Miranda in Hamilton

"credit":

"Production, Hamilton the Musical

"aspect":

1.5,

```
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```

```
"body": "<x-placeholder id='2c62...d2'></x-placeholder>,"
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"bodyPlaceholders": {
```

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    "data": {
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```

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"Lin-Manuel Miranda in Hamilton
```

```
      "credit":
```

```
"Production, Hamilton the Musical"
```

```
      "aspect":
```

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1.5,
```

[img id="9550846e3098113e9fe16878fcbe26e23580e8ea" alt="Placeholder for image ID 9550846e3098113e9fe16878fcbe26e23580e8ea"]

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 "caption":

 "Lin-Manuel Miranda in Hamilton

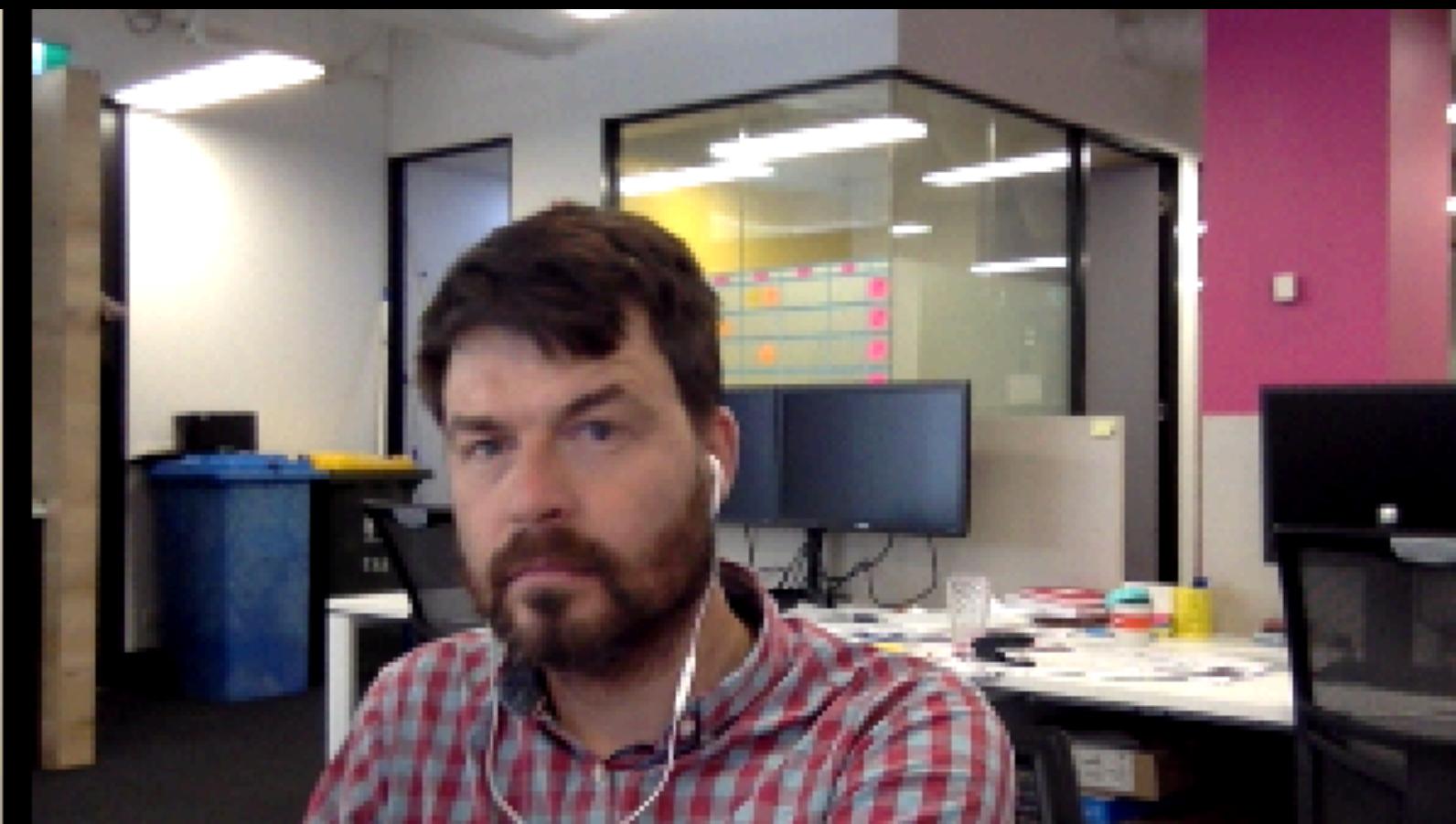
 "credit":

 "Production, Hamilton the Musical"

 "aspect":

 1.5,

Project retro



Committers 31

Commits 11,737

“

*My job is code review and fooling
myself that today I really will pick
up a ticket.*

Me

My guilty secret

My guilty secret

I like code review

Code review
is productivity

THE AGE



INDEPENDENT. ALWAYS.

18° now Melbourne
Clearing shower

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February 11, 2018

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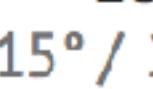
THE AGE

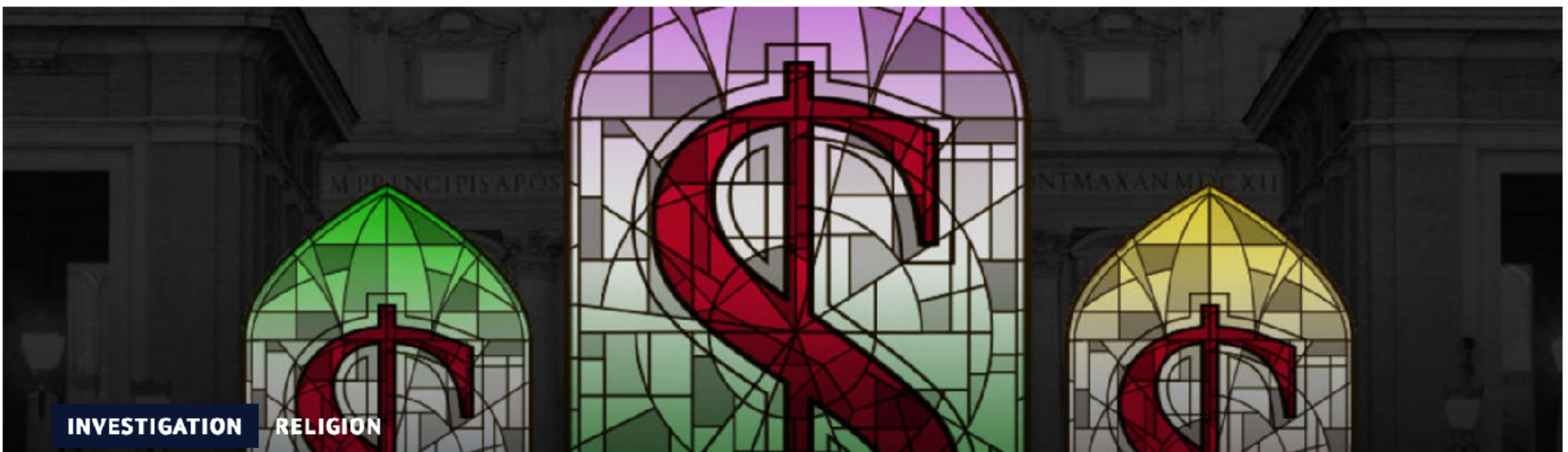
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February 12, 2018

Thank you

Slides and white paper ○ pwcc.cc/go/loop2018