

How to R.E.A.D

Steps for selecting the correct module.

Who You Are.

- Site Builder
- Developer
- Decision Maker
- New to Drupal
- Want to re-enforce habits

What's it all about.

How to quickly make smart, informed decisions.

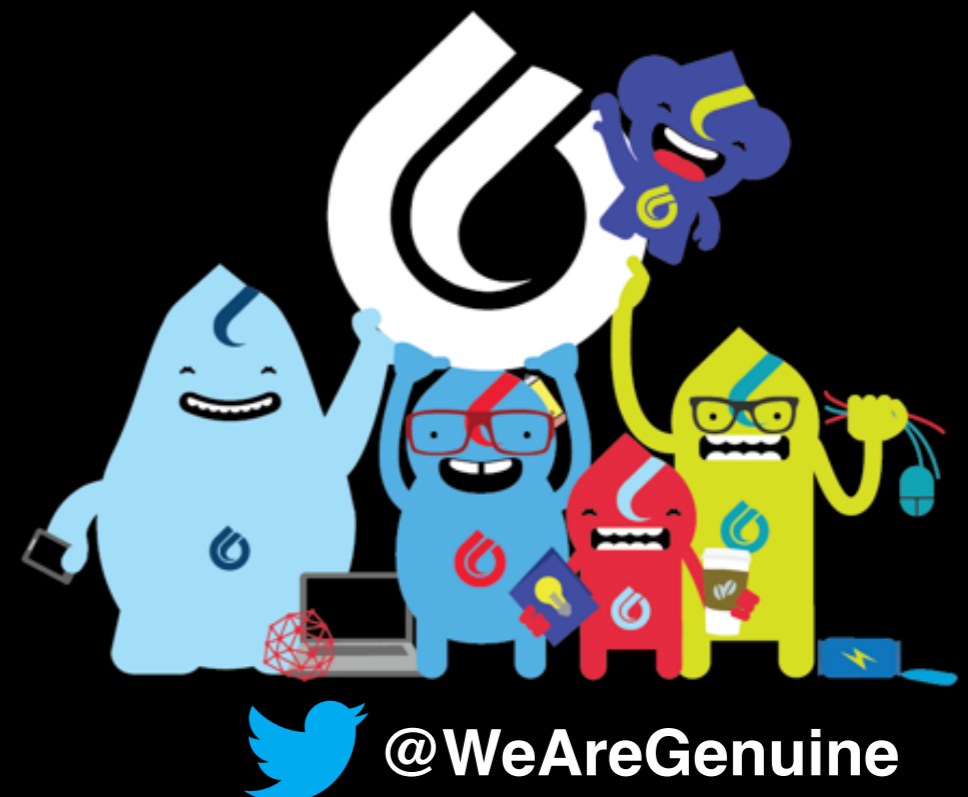
What we'll cover.

- Steps to decide between a contrib, patched or custom module.
- Basics of patching.
- Basics of writing a module.

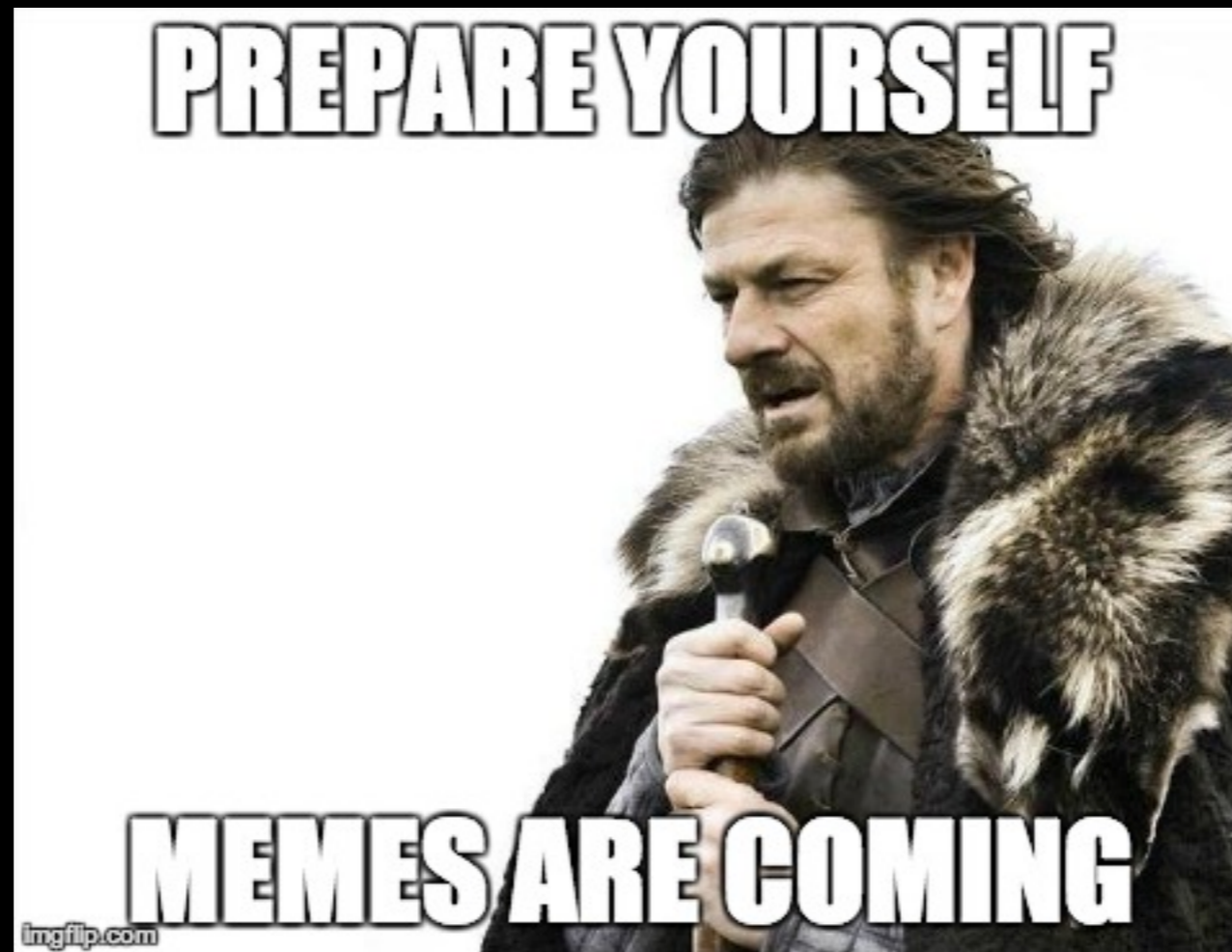
Michael Miles

- Associate Director of PHP @ Genuine Interactive.
- Drank the Drupal Kool-aid in 2008. *(it's grape flavored)*

- Twitter: @mikemiles86
- D.o: mikemiles86



A lover of memes.



How to **R.E.A.D**

(yay acronyms!)

R.E.A.D

- **R**esearch what exists.
- **E**valuate the options.
- **A**nalyze the gap.
- **D**etermine amount of change.

Research what exists.



Research what exists.

- Isolate keywords about functionality.
- Search for existing modules.
- Use the community.



Evaluate the options.



Evaluate the options.

- Read the module description.
- Look at community adoption.
- Look at maintainer activity.



Analyze the gap.



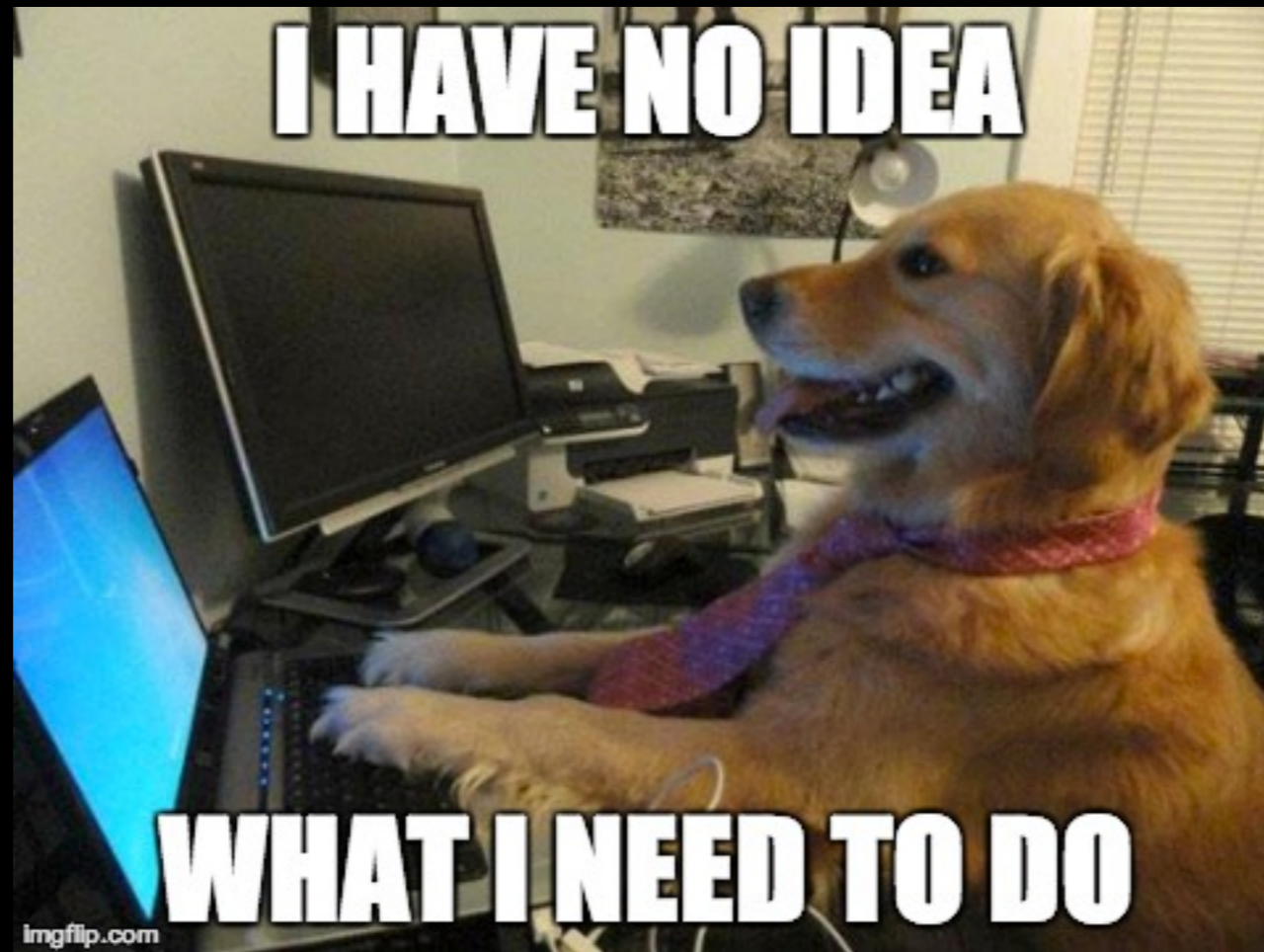
Analyze the gap.

- Download and test the module.
- Discover missing functionality.
- Check issue queue for solutions.



Patch not found.

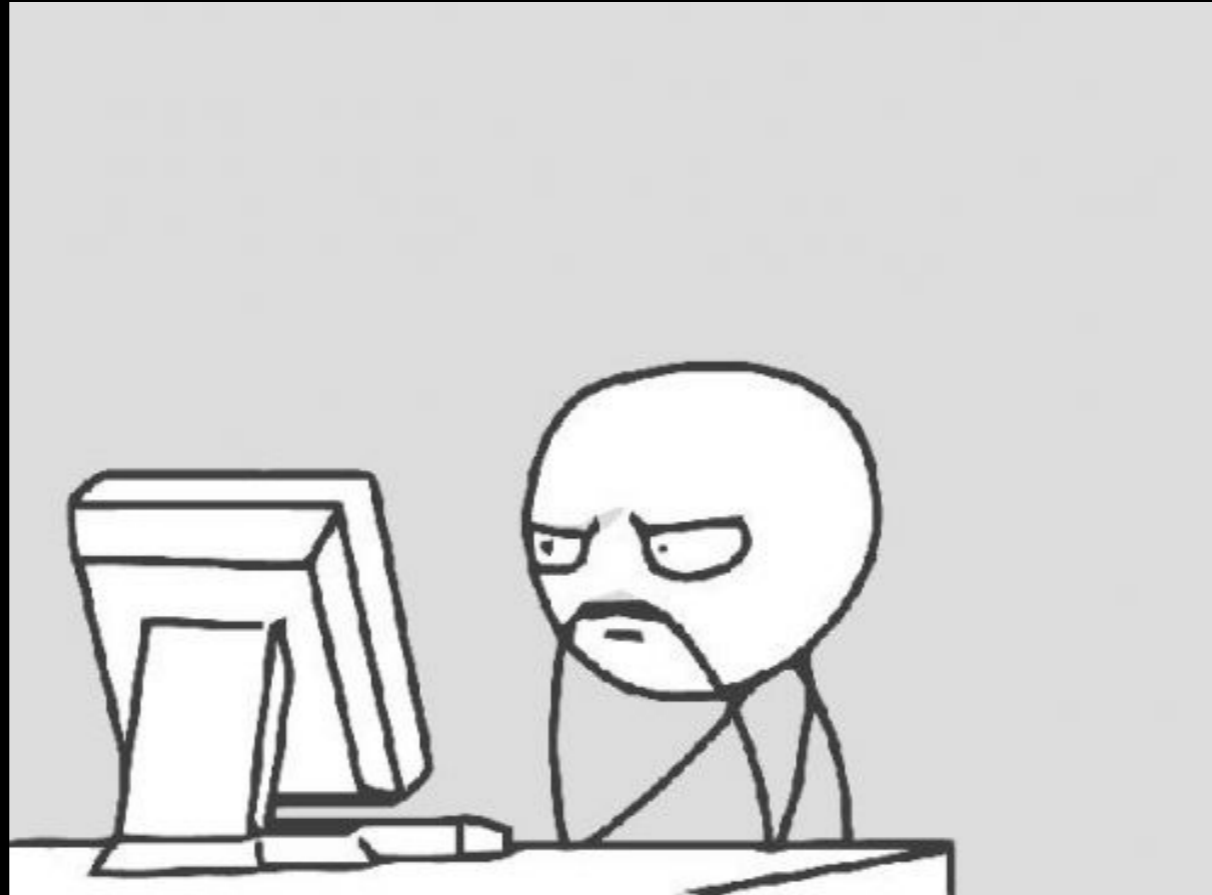
Determine amount of change.



Determine amount of change.

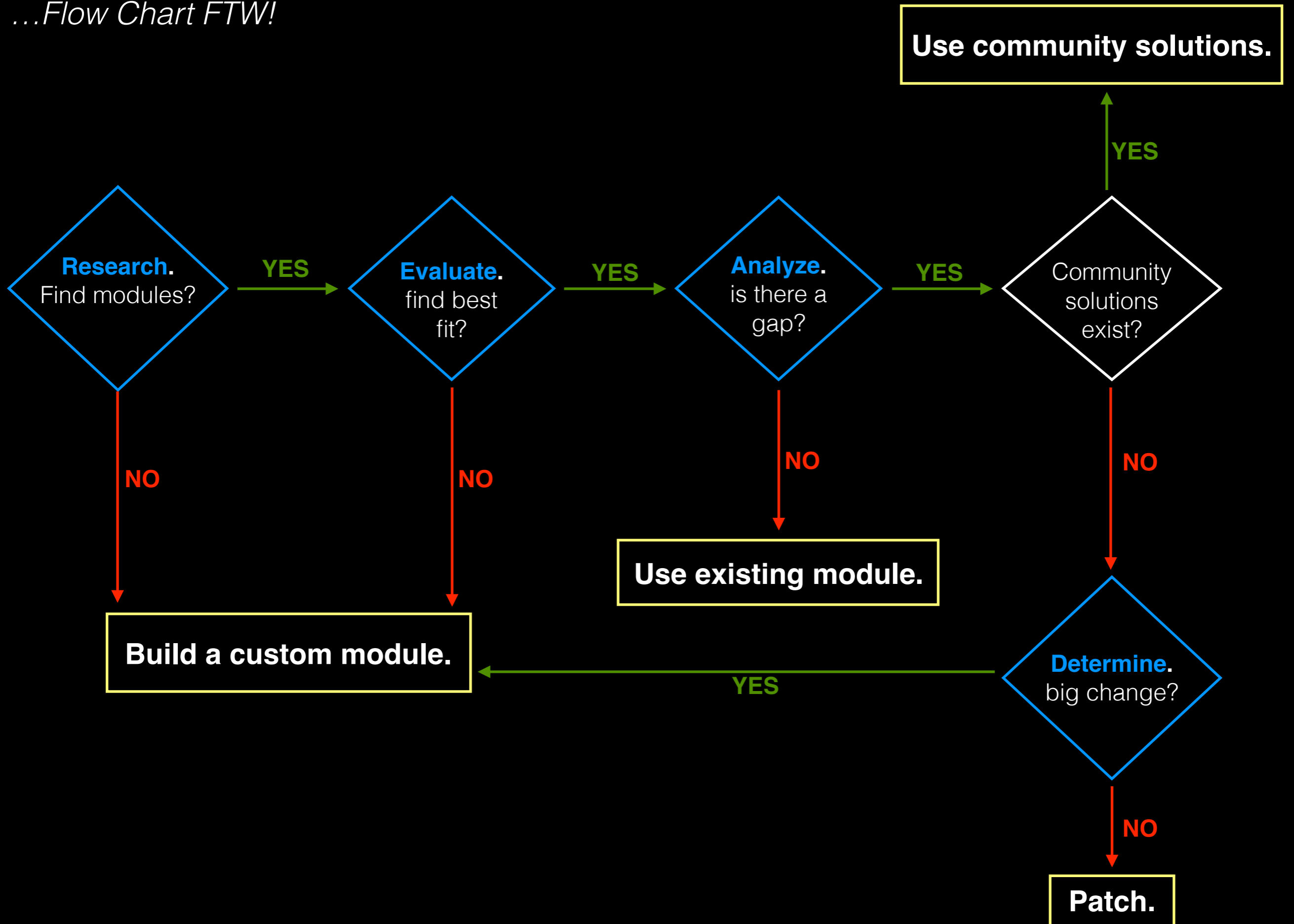
- Review the module code.
- Estimate how much has to be changed.
- Do changes extend or alter module?

Let's review.

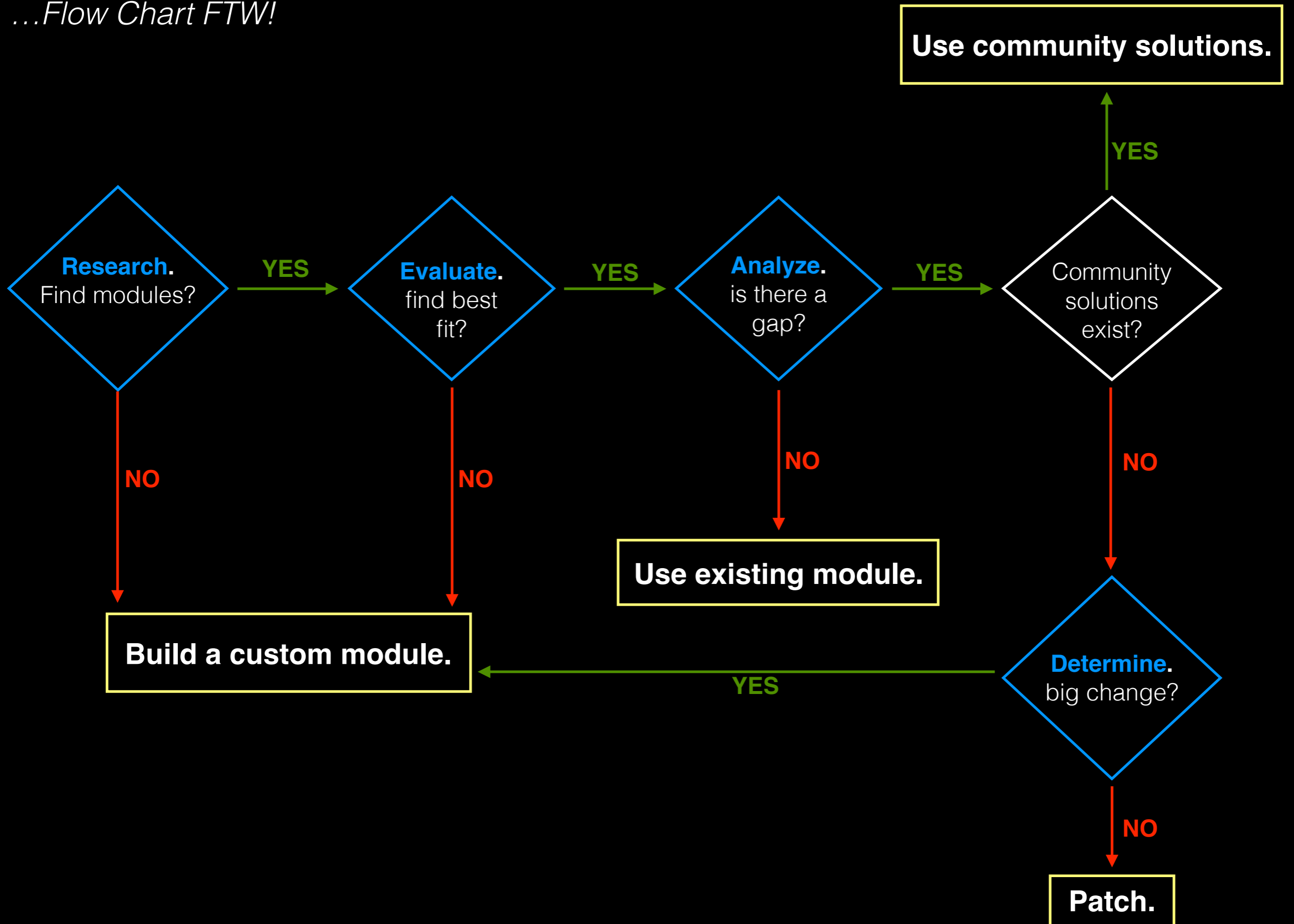


Like developers...

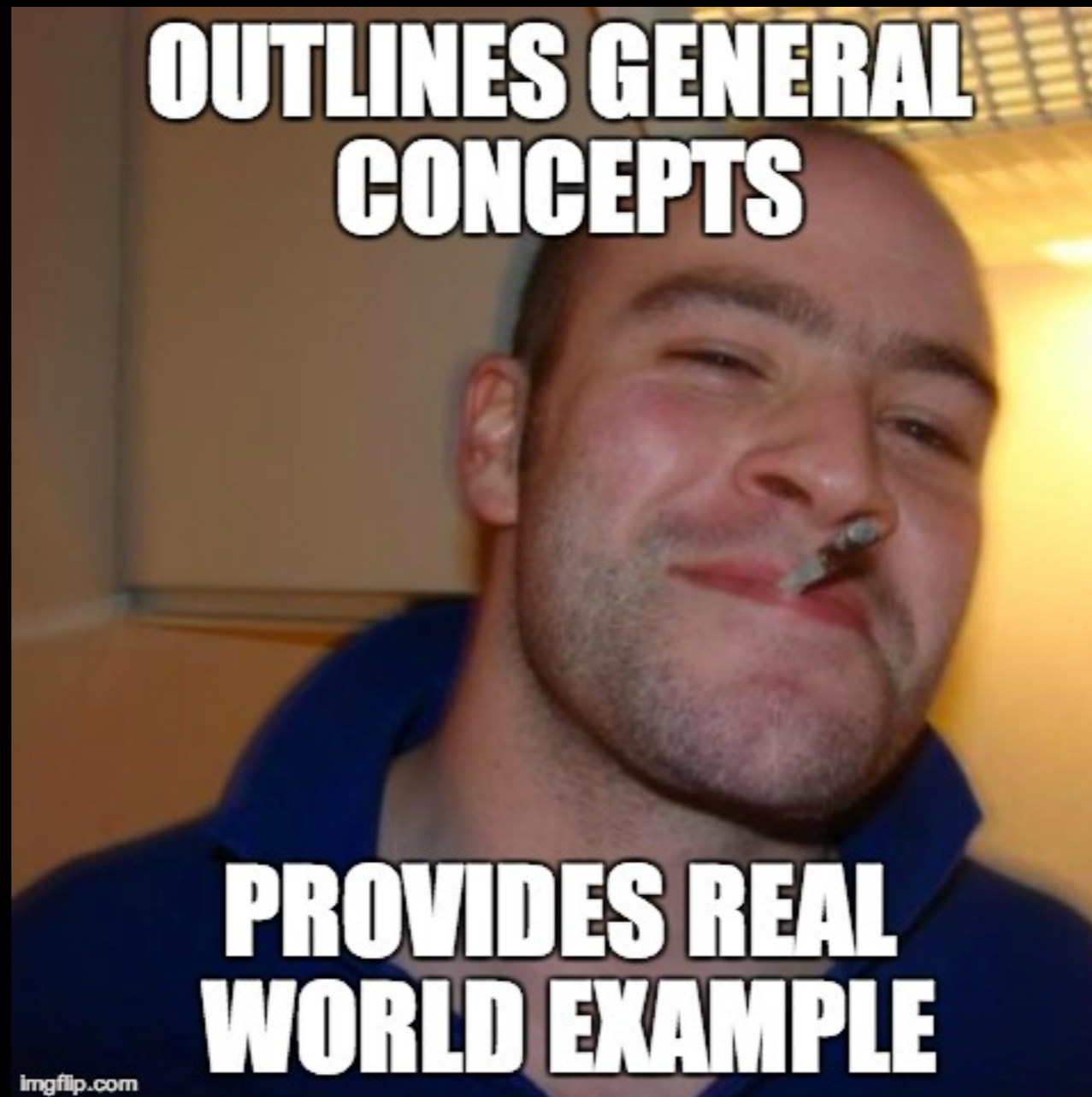
...Flow Chart FTW!



...Flow Chart FTW!



Examples.



Scenario #1.

The Requirements.

WHEN SAVING A FILE

AND IT IS A JPEG IMAGE

THEN THE EXIF META DATA NEEDS TO BE CAPTURED

AND MAPPED TO CUSTOM FIELDS

AND THESE MAPPINGS NEED TO BE EXPORTABLE USING
FEATURES

Step 1

Research what exists.

Research what exists.

Isolate keywords about functionality.

WHEN SAVING A **FILE**

AND IT IS A JPEG IMAGE

THEN THE **EXIF META DATA** NEEDS TO BE CAPTURED

AND **MAPPED TO CUSTOM FIELDS**

AND THESE MAPPINGS NEED TO BE **EXPORTABLE USING FEATURES.**

Research what exists.

Search for existing modules.



Drupal Exif



Web

Videos

Images

News

Shopping

More ▾

Search tools

About 293,000 results (0.19 seconds)

Exif | Drupal.org

<https://drupal.org/project/exif> ▾ Drupal ▾

Oct 22, 2006 - The **Exif** module allows you to display **Exif** metadata on image nodes. **Exif** is a specification for the image file format used by digital cameras.

Comparison of EXIF modules (Drupal 7) | Drupal.org

<https://drupal.org/node/1842686> ▾ Drupal ▾

Nov 16, 2012 - ... to edit this page. Comparison of modules that handle importing **EXIF** metadata from images. Reads **EXIF**, Reads IPTC, Map to custom fields ...

EXIF problems on image resize [#1571230] Sep 23, 2013

Write and Edit **EXIF**/IPTC [#766322] Feb 11, 2013

EXIF Custom Nov 22, 2012

Add Support for the Media Module [#1055750] Feb 9, 2011

[More results from drupal.org](#)

EXIF Custom | Drupal.org

Research what exists.

Talk to the community.

alonagnac I'll try this once more...I have two directories, one inside the other...parent and child. Both have the same permissions (777 for both). I can attach a file from a node and upload to the Parent, but not the Child....why why?

thejamesjones correct

benjf redirect?

Druplicon redirect: Perform a drupal_goto() to the location provided by the plugin for the => redirect(\$op, \$item = NULL) => <http://drupalcontrib.org/api/function/redirect/7>

↑ redirect is http://httpd.apache.org/docs-2.0/mod/mod_alias.html#redirect and is also <http://drupal.org/project/redirect>

benjf thejamesjones: iirc the Redirect module is the more recent version of Global Redirects

mikemiles86 Anyone have a recommendation for how to capture jpeg exif data from a file entity into custom fields?

benjf globalredirect?

Druplicon globalredirect is <http://drupal.org/project/globalredirect>

typhonius mikemiles86: Running it through Imagick would probably get you exif: <http://www.php.net/manual/en/imagick.getimageproperties.php>

thejamesjones have redirect and it is enabled.

benjf exif?

Druplicon The Exif module allows you to display Exif metadata on image nodes. Exif is a specification for the image file format used by cameras. <http://drupal.org/project/exif>

mikemiles86 ah, I'll take a look

↑ thanks

jaharmi is now known as zz_jaharmi

thejamesjones benjf i have global redirect as well, and have this setting checked.

↑ Non-clean to Clean

↑ If enabled, this option will redirect from non-clean to clean URL (if Clean URL's are enabled). This will stop, for example, from example.com/node/1 AND example.com?q=node/1.

IRC: #drupal, #drupal-support

Research what exists.

Find possible existing solutions

- The Exif module
- The Exif custom module

Step 2

Evaluate the options.

Evaluate the options

Read the module description.

Exif

[View](#) [Version control](#) [Revisions](#) [Automated Testing](#)

Posted by [David Lesieur](#) on *October 22, 2006 at 2:00pm*

The Exif module allows you to display Exif metadata on image nodes. [Exif](#) is a specification for the image file format used by digital cameras.

Drupal 7 version

[jphautin](#) is the maintainer of the Drupal 7 branch, an adaptation of the drupal 6 branch to the new Field API.

This version allow you to use metadata as text or as taxonomy terms to classify your images.

EXIF Custom

[View](#) [Version control](#) [Revisions](#) [Automated Testing](#)

Posted by [edwbaker](#) on *October 29, 2012 at 7:23pm*

This module allows automatic population of fields from the EXIF, XMP and IPTC metadata tags when images are uploaded (requires the [File Entity](#) module).

Any number of custom mappings between image metadata tags and image fields can be created and saved and it is easy to manage what mapping is used on a site-wide and per-user basis.

To create a new mapping an example image file is uploaded – the available EXIF/XMP/IPTC fields are then listed and can be mapped to the fields attached to an image file entity.

Evaluate the options

Look at community adoption.

Exif

Project Information

Maintenance status: **Seeking co-maintainer(s)**

Development status: **Under active development**

Reported installs: **965** sites currently report using this module.

Downloads: 13,082

Last modified: September 21, 2012

Exif Custom

Project Information

Maintenance status: **Actively maintained**

Development status: **Under active development**

Module categories: Content

Reported installs: **374** sites currently report using this module.

Downloads: 2,647

Automated tests: Enabled

Last modified: January 19, 2014

Evaluate the options

Look at maintainer activity.

Maintainers for EXIF Custom

[edwbaker](#) – 22 commits

last: 7 months ago, first: 1 year ago

[View all committers](#)

[View commits](#)

Issues for EXIF Custom

To avoid duplicates, please search before submitting a new issue.

Search

[Advanced search](#)

All issues

20 open, 44 total

Bug report

12 open, 28 total

[Subscribe via e-mail](#)

Statistics

New issues  0

Response rate  0 %

1st response  0 hours

Open bugs  12

Participants  0

2 year graph, updates weekly

Maintainers for Exif

[jphautin](#) – 40 commits

last: 1 year ago, first: 4 years ago

[rapsli](#) – 40 commits

last: 3 years ago, first: 5 years ago

[neclimdul](#) – 2 commits

last: 5 years ago, first: 6 years ago

[David Lesieur](#) – 27 commits

last: 6 years ago, first: 7 years ago

[View all committers](#)

[View commits](#)

Issues for Exif

To avoid duplicates, please search before submitting a new issue.

Search

[Advanced search](#)

All issues

91 open, 182 total

Bug report


42 open, 93 total


[Subscribe via e-mail](#)

Statistics

New issues  0

Response rate  0 %

1st response  0 hours

Open bugs  42

Participants  0

2 year graph, updates weekly

Evaluate the options
Determine best fit.

EXIF Custom

[View](#) [Version control](#) [Revisions](#) [Automated Testing](#)

Posted by [edwbaker](#) on *October 29, 2012 at 7:23pm*

This module allows automatic population of fields from the EXIF, XMP and IPTC metadata tags when images are uploaded (requires the [File Entity](#) module).

Any number of custom mappings between image metadata tags and image fields can be created and saved and it is easy to manage what mapping is used on a site-wide and per-user basis.

To create a new mapping an example image file is uploaded – the available EXIF/XMP/IPTC fields are then listed and can be mapped to the fields attached to an image file entity.


Step 3

Analyze the gap.

Analyze the gap.

Download and test the module.

[Home](#) » [Administration](#) » [Configuration](#) » [Content authoring](#) » [Custom Exif Mappings](#)

Edit mapping 

EXIF field	Example	Mapped to
EXIF:FILE:FileName	cv-testbed-kitchensink-untouched.jpg	Asset Name
EXIF:FILE:FileDateTime	1385042727	Production Year
EXIF:FILE:FileSize	371010	Size
EXIF:FILE:FileType	2	none
EXIF:FILE:MimeType	image/jpeg	Format
EXIF:FILE:SectionsFound	ANY_TAG, IFD0, THUMBNAIL, EXIF	none
EXIF:COMPUTED:html	width="1200" height="800"	none
EXIF:COMPUTED:Height	800	none

Analyze the gap.

Discover missing functionality.



Analyze the gap.

Check issue queue for solutions.

EXIF Custom

Issues for EXIF Custom

[Create a new issue](#) [Advanced search](#) [E-mail notifications](#)

Search for

Status

- Any -

Priority

- Any -

Category

- Any -

Version

- Any -


Component

- Any -

Search

Reset

No issues match your criteria.

Subscribe with RSS 

Step 4

Determine amount of change.

Determine amount of change.

Review the module code.

```
468
469 function exif_custom_get_mapping(){
470     //First try and get users default
471     $mid = exif_custom_get_user_default();
472     //Else use site default or item 0
473     if($mid === FALSE){
474         $mid = exif_custom_get_mid(variable_get('exif_custom_default', ''));
475     }
476     $sql = "SELECT * FROM {exif_custom_mapped_fields} WHERE mid = :mid AND img_field != 'none'";
477     $return = db_query($sql, array(
478         ':mid' => $mid
479     ))->fetchAllAssoc('img_field');
480     return $return;
481 }
482
483 function exif_custom_get_exif_fields($uri, $concatenate_arrays = TRUE){
484     $fields = array();
485     //Get all of the EXIF tags
486     $exif = exif_read_data(drupal_realpath($uri), NULL, TRUE);
487     if(is_array($exif)){
488         foreach($exif as $name => $section){
489             foreach($section as $key => $value){
490                 if($concatenate_arrays && is_array($value)){
491                     $value = implode(', ', $value);
492                 }
493                 $fields['EXIF:' . $name . ':' . $key] = exif_custom_check_plain($value);
494             }
495         }
496     }
497     //XMP - test
498     $fields = array_merge($fields, exif_custom_get_xmp(drupal_realpath($uri)));
499
500
501     //Look for IPTC data
502     $size = getimagesize(drupal_realpath($uri), $info);
```

Determine amount of change.

Estimate how much has to be changed.

- Requires little rewriting of code base.
- Need to add new hooks and one new file.

Determine amount of change.

Will changes extend or alter the module?



Which path to choose?

- Patch Exif Custom module
- Write own Exif module



PATCH!

What is a Patch?

- drupal.org/patch
- A structured list of changes to a file.
- Used to re-create changes to a files.
- Focus on a single change.

How to create a Patch.

- Clone module repository.
- Create a new branch.
- Make changes to code.
- Test changes.
- Generate the patch.

Clone module repository.

EXIF Custom

EXIF Custom

View **Version control** Revisions Automated Testing

This page gives the essential Git commands for working with this project's source files.

Version to work from * 7.x-1.x Show

- Update Notice: See [Git instructions updates](#) for a record of updates to these instructions.

One-Time Only

Setting up repository for the first time

```
git clone --branch 7.x-1.x http://git.drupal.org/project/exif_custom.git
cd exif_custom
```

Not working for you? See [Troubleshooting Git clone](#). Once it works, you need the [Git deploy](#) module. See [Versioned dependencies and Git](#) for an explanation.

Routinely

The headings below are not sequential. What you choose to do depends on where you are in your process.

Checking your repository status

To see what you will commit by running `git commit` and what you could commit by running `git add` before running `git commit`.

```
git status
```

Switching to a different branch

When you clone the repository you have access to all the branches and tags. The first command shows your choices. The second command makes the switch. See [branching and tagging](#) for details.

```
git branch -a
git checkout [branchname]
```

```
mm:~$ git clone --branch 7.x-1.x http://git.drupal.org/project/exif_custom.git
```

Create a branch.

```
mm:exif_custom$ git checkout -b patch/features_integration
```

Make changes.

```
1  <?php
2  /**
3   * @file
4   * Features file for the exif_custom module.
5   */
6
7  /**
8   * Implements hook_features_api().
9   */
10 function exif_custom_features_api() {
11     return array(
12         'exif_custom' => array(
13             'name'       => t('EXIF Custom mappings'),
14             'default_hook' => 'exif_custom_export_maps',
15             'feature_source' => TRUE,
16             'default_file' => FEATURES_DEFAULTS_INCLUDED,
17             'file'       => drupal_get_path('module', 'exif_custom') . '/exif_cus
18         ),
19     );
20 }
21
22 /**
23  * Implements COMPONENT_features_export_options().
24  *
25  * Inform features about the available mappings in the database.
26  */
27 function exif_custom_features_export_options() {
28     return db_select('exif_custom_maps', 'ecm')
29         ->fields('ecm', array('name', 'name'))
30         ->execute()
31         ->fetchAllKeyed();
32 }
33
34 /**
35  * Implements COMPONENT_features_export().
36  *
37  * Process the features export array for mappings.
38  */
39 function exif_custom_features_export($data, &$export, $module_name) {
40     $export['dependencies']['exif_custom'] = 'exif_custom';
41
42     foreach ($data as $component) {
43         $export['features']['exif_custom'][$component] = $component;
```

Test changes.

GENERAL INFORMATION

Name

Exif Custom test

Machine name: exif_custom_test [\[Edit\]](#)

Example: Image gallery (Do not begin name with numbers.)

Description

test of featrues integration for exif custom module

Provide a short description of what users should expect when they enable your feature.

Package

Features

Organize your features in groups.

Version

7.x-1.x

Examples: 7.x-1.0, 7.x-1.0-beta1

▶ ADVANCED OPTIONS

Download feature

COMPONENTS

Expand each component section and select which items should be included in this feature export.

Search Select all

▶ **APACHE SOLR FRAMEWORK (1)** (apachesolr_environment)

▶ **APACHE SOLR SEARCH (2)** (apachesolr_search_page)

▶ **BLOCK SETTINGS (53)** (fe_block_settings)

▶ **BRIGHTCOVE (1)** (brightcove_player)

▶ **CUSTOM KEYWORD SETS (34)** (custom_keywords_sets)

▶ **DEPENDENCIES (162)** (dependencies)

Custom EXIF mapping

▼ **EXIF CUSTOM MAPPINGS (0)** (exif_custom)

Sample Exif Mappings

▶ **FEATURE OVERRIDES (303)** (features_override_items)

▶ **FEATURE OVERRIDES (INDIVIDUAL -- ADVANCED) (985)** (features_overrides)

▶ **FIELD BASES (2)** (field_base)

▶ **FIELD INSTANCES (4)** (field_instance)

▶ **MENU LINKS (139)** (menu_links)

Create the patch file.

```
mm:exif_custom$ git diff 7.x-1.x > exif_custom-features_integration.patch
```


How to submit a Patch.

- Create/Comment on an issue.
- Attach the patch.
 - [description]-[issue-number]-[comment-number].patch
- Revise based on testing/reviews.

Create an issue.

[EXIF Custom](#) » [Issues](#)

Features integration

[View](#)

[Edit](#)

[Revisions](#)

[CLONE ISSUE](#)

Posted by [mikemiles86](#) on *November 21, 2013 at 11:47am*

It would be very helpful if this module had features integration so that mappings could be exported to code so that they could be managed. For example, sharing across development environments, or pushing field mapping updates to other environments.

Comments

Active

Project:	EXIF Custom
Version:	7.x-1.13
Component:	Code
Priority:	Normal
Category:	Feature request
Assigned:	Unassigned

[Update this issue](#)


Attach the patch.

Comments

#1

Posted by [mikemiles86](#) on *November 21, 2013 at 4:21pm*

Status: Active » Patch (to be ported)

Status	File
new	 exif_custom-features_integration-2141235-1.patch 10.26 KB REVIEW SIMPLYTEST.ME

Here is a patch that will add features integration into this module.

One thing worth noting that I changed was to have the 'exif_custom_default' variable store the name value instead of the serial id.

[edit](#)

`[description]-[issue-number]-[comment-number].patch`

#2

Posted by [danquah](#) on *December 17, 2013 at 5:42am*

Status: Patch (to be ported) » Reviewed & tested by the community

Just tested it and it works as advertised!

Should probably be tested a bit more as features integration has a tendency to be tricky, but for now it works like a charm.

[report spam](#)

#3

Posted by [edwbaker](#) on *January 21, 2014 at 9:34am*

Status: Reviewed & tested by the community » Fixed

Fantastic – thanks for this. In 7.x-1.x branch for next release.

[report spam](#)

Contributing back to the community.



Scenario #2.

The Requirements.

WHEN SITE USES WORKBENCH TO MODERATE CONTENT

THEN CAN CREATE MULTIPLE TRANSITIONS BETWEEN STATES

AND TRANSITIONS ARE EXPORTABLE USING FEATURES

WHEN EDITING A CONTENT REVISION

THEN CAN SCHEDULE A TRANSITION

AND CAN SELECT DATE FOR FIRST STATE

AND CAN SELECT DATE FOR SECOND STATE

Step 1

Research what exists.

Research what exists.

Isolate keywords about functionality.

WHEN SITE USES **WORKBENCH** TO MODERATE CONTENT
THEN CAN CREATE **MULTIPLE TRANSITIONS BETWEEN STATES**
AND TRANSITIONS ARE **EXPORTABLE USING FEATURES**

WHEN **EDITING A CONTENT REVISION**
THEN CAN **SCHEDULE A TRANSITION**
AND CAN SELECT DATE FOR FIRST STATE
AND CAN SELECT DATE FOR SECOND STATE

Research what exists.

Search for existing modules.

The screenshot shows the Drupal search interface. At the top left is the Drupal logo. A search bar contains the text 'workbench schedule' and a green 'Search' button. Below the search bar, navigation links include 'Drupal Homepage', 'Your Dashboard', and 'Logged in as mikemiles86 Log out'. A 'Refine your search' dropdown is also visible. The main content area displays 'Found 13390 results containing the words: workbench schedule'. A 'Sort by' dropdown is set to 'Relevancy'. The first search result is titled 'Scheduler Workbench Integration', posted by 'wwhurley' on April 23, 2013. The description states: 'Scheduler Workbench Integration Provides integration between the Scheduler module and the Workbench Moderation module to set a moderation state when Scheduler triggers automatic publication ... a permission to determine which users can override this default value. Requirements Scheduler (version 7.x-1.1 ...'. Below this is a 'Module project' link. The second result is titled 'Consider moving the project to workbench_revision_scheduler And renaming it to "Workbench revision scheduler"', posted by 'klonos' on January 22, 2012. The description begins: '...coming from #1046160: Scheduling node revisions over at the Scheduler project. I know ... is specific to Workbench and it should be clear that it belongs to that "eco-system" of projects. Both its name and machine name suggest a relation to Scheduler as they are now though. PS: ...besides, ...'. It has '2 comments - Issue'. On the right side, there is a 'Search again' section with a search bar containing 'workbench schedule' and a 'Search' button. Below that is an 'or filter by...' section with a list of filters: 'All (8614)', 'Forums & Issues (7909)', 'Modules (388)', 'Documentation (293)', 'Groups (18)', and 'Themes (6)'. At the bottom, there is an 'or search for...' section with links for 'IRC Nicks', 'Users', and 'Advanced Issues'.

Drupal™

workbench schedule Search

Drupal Homepage Your Dashboard Logged in as mikemiles86 Log out Refine your search ▾

Found 13390 results containing the words: **workbench schedule**

Sort by
Relevancy ▾

Scheduler Workbench Integration
Posted by [wwhurley](#) on *April 23, 2013 at 2:23pm*

Scheduler Workbench Integration Provides integration between the **Scheduler** module and the **Workbench** Moderation module to set a moderation state when **Scheduler** triggers automatic publication ... a permission to determine which users can override this default value.
Requirements **Scheduler** (version 7.x-1.1 ...

Module project

Consider moving the project to workbench_revision_scheduler And renaming it to "Workbench revision scheduler".
Posted by [klonos](#) on *January 22, 2012 at 5:58am*

...coming from #1046160: **Scheduling** node revisions over at the **Scheduler** project. I know ... is specific to **Workbench** and it should be clear that it belongs to that "eco-system" of projects. Both its name and machine name suggest a relation to **Scheduler** as they are now though. PS: ...besides, ...

2 comments - Issue

Search again

workbench schedule Search

or filter by...

All (8614)
[Forums & Issues \(7909\)](#)
[Modules \(388\)](#)
[Documentation \(293\)](#)
[Groups \(18\)](#)
[Themes \(6\)](#)

or search for...

[IRC Nicks](#)
[Users](#)
[Advanced Issues](#)

Revision scheduler Scheduler integration [#1079146] Mar 7, 2011

Step 2

Evaluate the options.

Evaluate the options

Read the module description.

Scheduler Workbench Integration

[View](#) [Version control](#)

Posted by [wwhurley](#) on *June 20, 2012 at 7:01pm*

Scheduler Workbench Integration

Provides integration between the Scheduler module and the Workbench Moderation module to set a moderation state when Scheduler triggers automatic publication unpublication of a module. It also adds a field to capture a default value for unpublication and adds a permission to determine which users can override this default value.

Requirements

- [Scheduler \(version 7.x-1.1 or higher\)](#)
- [Workbench Moderation](#)

Evaluate the options

Look at community adoption.

Project Information

Maintenance status: **Actively maintained**

Development status: **Under active development**

Module categories: **Administration , Utility**

Reported installs: **1,397** sites currently report using this module.

Downloads: **7,948**

Last modified: **April 23, 2013**

Evaluate the options

Look at maintainer activity.

Maintainers for Scheduler Workbench Integration

[whurleyf1](#) – 2 commits

last: 1 year ago, first: 2 years ago

[View all committers](#)

[View commits](#)

Issues for Scheduler Workbench Integration

To avoid duplicates, please search before submitting a new issue.

Search

[Advanced search](#)

All issues

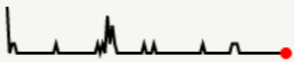
[10 open, 25 total](#)

Bug report

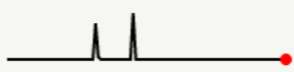
[3 open, 11 total](#)

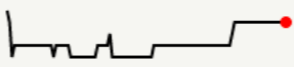
[Subscribe via e-mail](#)


Statistics

New issues  0

Response rate  0 %

1st response  0 hours

Open bugs  3

Participants  0

2 year graph, updates weekly

Step 3

Analyze the gap.

Analyze the gap.

Download and test the module.

[Home](#) » [Administration](#) » [Configuration](#) » [Content authoring](#)

Scheduler

Some Scheduler options are set for each different content type, and are accessed via the [admin content type](#) list. The options and settings below are common to all content types.

Date format *
 Example: 2014-04-04 02:36:43
The format for entering scheduled dates and times. For the date use the letters djmnyY and for the time use hHgGi

Field type


Standard text field

Date Popup calendar

Date Popup is enabled. See the [configuration page](#) for details.


PUBLISHING

Enable scheduled publishing for this content type

Moderation State
 
Moderation state to be placed in after publishing

UNPUBLISHING

Enable scheduled unpublishing for this content type

Moderation State
 
Moderation state to be placed in after unpublishing

Default Time

An offset from the current time such as "+1 day" or "-2 hours -30 minutes"

Publish on

Date **Time**
E.g., 2014-04-05 E.g., 14:39:22

Leave the date blank for no scheduled publishing.

Unpublish on

Date **Time**
E.g., 2014-04-05 E.g., 14:39:22

Leave the date blank for no scheduled unpublishing.

Analyze the gap.

Discover missing functionality.

- Unable to create different transitions per type
- Unable to select different transitions for revisions
- No features integration.

Step 4

Determine amount of change.

Determine amount of change.

Review the module code.

```
153     * @param string $action
154     *   Action being performed on node
155     */
156     function scheduler_workbench_scheduler_api(&$node, $action) {
157         if (!workbench_moderation_node_type_moderated($node->type)) {
158             return;
159         }
160
161         $func = "_scheduler_workbench_scheduler_{$action}";
162         if (function_exists($func)) {
163             $func($node);
164         }
165     }
166
167     /**
168     * Handles when scheduler unpublishes a node.
169     *
170     * @param stdClass $node
171     *   Node being unpublished
172     */
173     function _scheduler_workbench_scheduler_unpublish(&$node) {
174         if ($state = variable_get('scheduler_unpublish_moderation_state', $state)) {
175             workbench_moderation_moderate($node, $state);
176         }
177     }
178
179     /**
180     * Handles when scheduler publishes a node.
181     *
182     * @param stdClass $node
183     *   Node being published
184     */
185     function _scheduler_workbench_scheduler_pre_publish(&$node) {
186         if ($state = variable_get('scheduler_publish_moderation_state', $state)) {
187             $node->workbench_moderation_state_current = $node->workbench_moderation_state_new = $state;
188         }
189     }
190 }
191
```

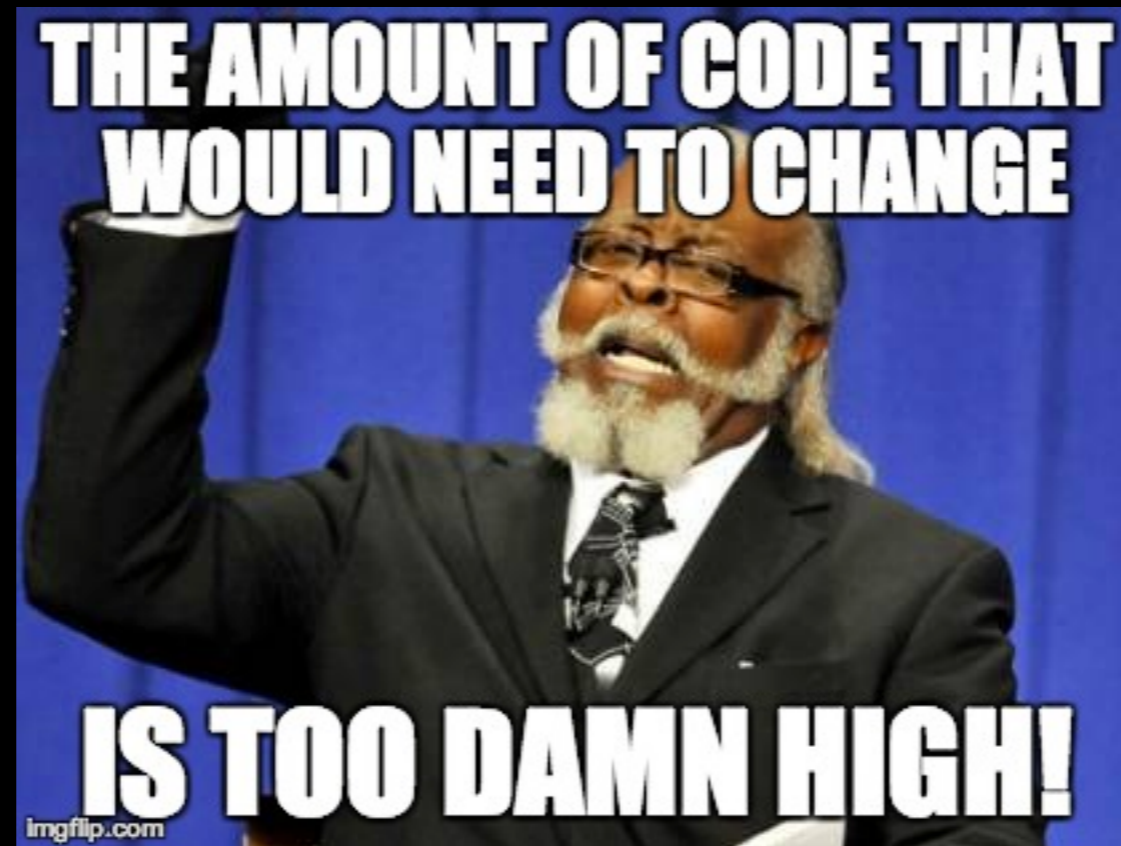
Determine amount of change.

Estimate how much has to be changed.

- Will need to change how transitions are created.
- Will need to change how schedules are stored.
- Will need to add features integration.

Determine amount of change.

Will changes extend or alter the module?



Which path to choose?

- Patch Scheduler workbench module
- Write own scheduler module



CUSTOM MODULE!

Module Writing Guidelines.

- drupal.org/developing/modules
- Follow Drupal coding standards.
- Make use of hooks and APIs.
- Test your code.

Contributing a module.

- Is it functionality other could use?
- Name appropriately.
- Provide accurate description.
- Be an active maintainer.

Name appropriately.

Workbench Scheduler

View

Version control

Maintainers for Workbench Scheduler

[partdigital](#) – 3 commits

last: 1 week ago, first: 1 month ago

[mikemiles86](#) – 8 commits

last: 1 month ago, first: 1 year ago

[View all committers](#)

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Issues for Workbench Scheduler

To avoid duplicates, please search before submitting a new issue.

[Advanced search](#)

All issues

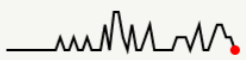
[9 open, 30 total](#)

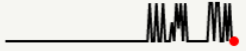
Bug report

[1 open, 10 total](#)


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Statistics

New issues  0

Response rate  0 %

1st response  0 hours

Open bugs  1

Participants  2

2 year graph, updates weekly

Provide detailed description.

Workbench Scheduler

[View](#) [Version control](#)

Posted by [mikemiles86](#) on *October 4, 2013 at 6:03pm*

Workbench scheduler provides users with the ability to create schedules that change moderated content from one workbench moderation state to another. When editing moderated content, users can select a schedule and set the start and end dates for when it should be applied.

A simple example of when this can be helpful is to have a content revision set to be published on a specific date, and unpublished at another.

Users with the correct permissions can create custom workbench schedules where they specify:

- The moderation state to be set when content reaches the "start date"
- The moderation state to be set when content reaches the "end date"
- Which content types should be able to use the schedule

When editing content, users with the correct permissions can select which schedule to apply to their content and set the start and end dates from the "Workbench Scheduler" settings of the node edit form.

It is possible to select only a start or end date, so that only the respective state change will be applied.

Workbench scheduler comes packaged with views support to allow the creation of custom dashboards.

Workbench scheduler comes packaged with features support to allow exporting of schedules.

Dependencies

This module is dependent on the following modules:

NAME	MACHINE NAME	START STATE	END STATE	CONTENT TYPES	OPERATIONS
Publish and Unpublish	publish_and_unpublish	PUBLISHED	UNPUBLISHED	+ Article + Page + Product	edit delete
Publish and Archive	publish_and_archive	PUBLISHED	ARCHIVED	Article	edit delete

Schedule Name *
A user friendly name. Only used for admin purposes

Start State *
--Select--
Select the state to be set when a node reaches its 'start date'

End State *
--Select--
Select the state to be set when a node reaches its 'end date'

Content Types *
 article
 page
 product
Select the content types that can use this schedule

Save

Name settings
Not in menu

Workbench Scheduler

URL path settings
Automatic sites

Comment settings
Closed

Archiving information
By admin

Publishing options
Current Draft

Select a schedule for changing moderation status.

NAME	START STATE	END STATE
<input checked="" type="radio"/> No Schedule		
<input type="radio"/> Publish and Archive	PUBLISHED	ARCHIVED
<input type="radio"/> Publish and Unpublish	PUBLISHED	UNPUBLISHED

SCHEDULE DATES
Select the start and/or end dates to trigger status changes for this node.

Start date
Date: _____ Time: _____
E.g., 2013-10-12 E.g., 18:30

Select the date to switch this node to the scheduled 'start state'

End date
Date: _____ Time: _____
E.g., 2013-10-12 E.g., 18:30

Select the date to switch this node to the scheduled 'end state'

Maintainers for Workbench Scheduler

[partdigital](#) – 3 commits
last: 1 week ago, first: 1 month ago

[mikemiles86](#) – 8 commits
last: 1 month ago, first: 1 year ago

[View all committers](#)

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Issues for Workbench Scheduler

To avoid duplicates, please search before submitting a new issue.

[Advanced search](#)

All issues

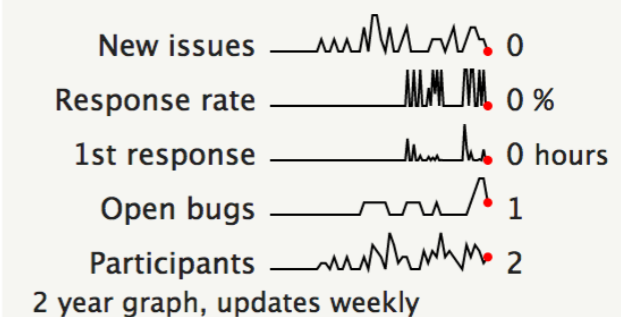
9 open, 30 total

Bug report

1 open, 10 total

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Statistics



Resources

[Read license](#)

Be an active maintainer.

[Workbench Scheduler](#)

Issues for Workbench Scheduler

[Create a new issue](#) [Advanced search](#) [E-mail notifications](#)

Search for
Status
Priority
Category
Version
Component

Displaying 30 issues.

[Hide irrelevant issues](#) [Mark all as read](#)

Summary	Status	Priority	Category	Version	Component	Replies	Last updated	Assigned to	Created
Optional end and start date	Closed (fixed)	Normal	Bug report	7.x-1.x-dev	Code	20	1 week 1 day		5 months 3 weeks
Features integration overridden state fix	Closed (fixed)	Normal	Bug report	7.x-1.x-dev	Code	3	1 week 1 day		4 weeks 1 day
Saving a new revision of a node creates a new schedule entry for that revision	Needs review	Normal	Bug report	7.x-1.x-dev	Code	8	1 week 1 day		4 weeks 1 day
Display workbench scheduler summary on vertical tab new	Closed (fixed)	Normal	Feature request	7.x-1.x-dev	Code	7 2 new	1 week 3 days		2 months 4 days
Node schedule manager page improvements	Needs review	Normal	Feature request	7.x-1.x-dev	User interface	2	2 weeks 4 days		3 weeks 2 days
Edit Schedule admin improvements	Needs review	Minor	Feature request	7.x-1.x-dev	Code	1	2 weeks 4 days		2 weeks 4 days
Integrations with actions and VBO	Needs review	Normal	Feature request	7.x-1.x-dev	Code	6	3 weeks 2 days		4 months 3 weeks
Function declaration typo in workbench_scheduler.api.inc	Closed (fixed)	Minor	Bug report	7.x-1.x-dev	Code	4	1 month 2 days	partdigital	1 month 4 days
When performs the schedule, the author and moderation message may be inappropriate	Postponed	Normal	Feature request	7.x-1.1	Code	4	1 month 3 days		6 months 2 weeks

Free QA and improvements from community.

Posted by [eugene.ilyin](#) on August 20, 2014 at 4:46am
Hello

I got notices on page /admin/config/workbench/scheduler


Notice: Undefined index: event in workbench_scheduler_admin_page() (line 42 of ../modules/contrib/workbench_scheduler/workbench_scheduler.admin.inc).
Notice: Trying to get property of non-object in workbench_scheduler_admin_page() (line 42 of ../modules/contrib/workbench_scheduler/workbench_scheduler.admin.inc).


It's occurred because I deleted content type "event", but module workbench scheduler still store information about this CT



Files:

Comment	File
#1 eugene.ilyin	 2324467_Notices-on-Workbench-Schedules-page_1.patch 586 bytes REVIEW SIMPLYTEST.ME

Comments

-  [eugene.ilyin](#) commented 2 months ago #1
Status: Active » Needs review

Status	File
new	 2324467_Notices-on-Workbench-Schedules-page_1.patch 586 bytes REVIEW SIMPLYTEST.ME

I prepared simple patch to solve this problem. [report spam](#)
-  [mikemiles86](#) committed [4aa55f4](#) on 7.x-1.x-dev authored by [eugene.ilyin](#) #2
Issue #2324467 by eugene.ilyin : Schedule data still exists after a... [report spam](#)
-  [mikemiles86](#) commented 2 months ago #3
Status: Needs review » Fixed

Patch is simple enough and addresses the outlined issue. Merged, will be fixed in the next release.

SUMMERIZE

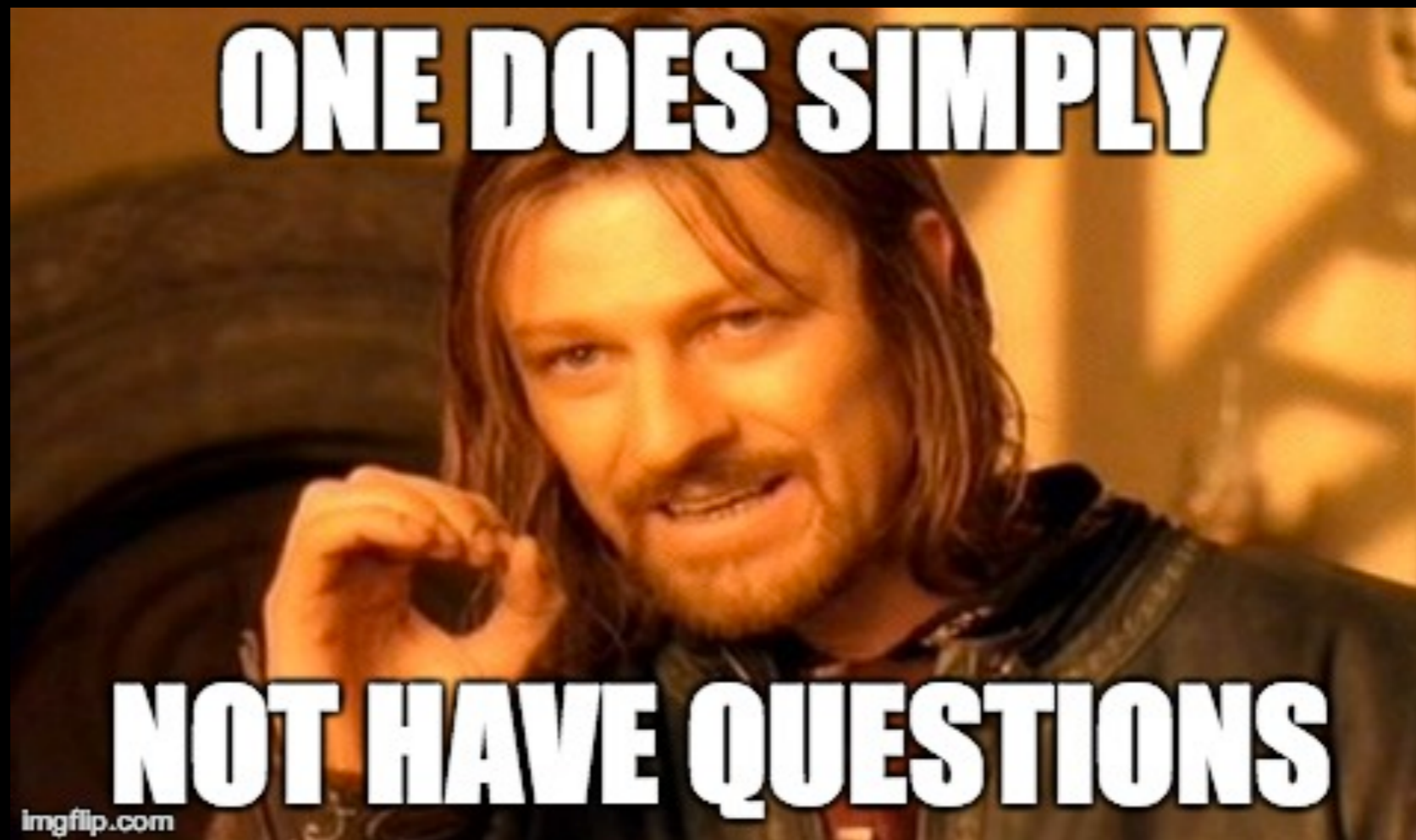


ALL THE THINGS

How to R.E.A.D.

- **R**esearch what exists.
- **E**valuate the options.
- **A**nalyze the gap.
- **D**etermine amount of change.

Thank You!



 @mikemiles86