To Patch or Custom

How to select the right path.

#PatchOrCustom, #justREAD

Who You Are.

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

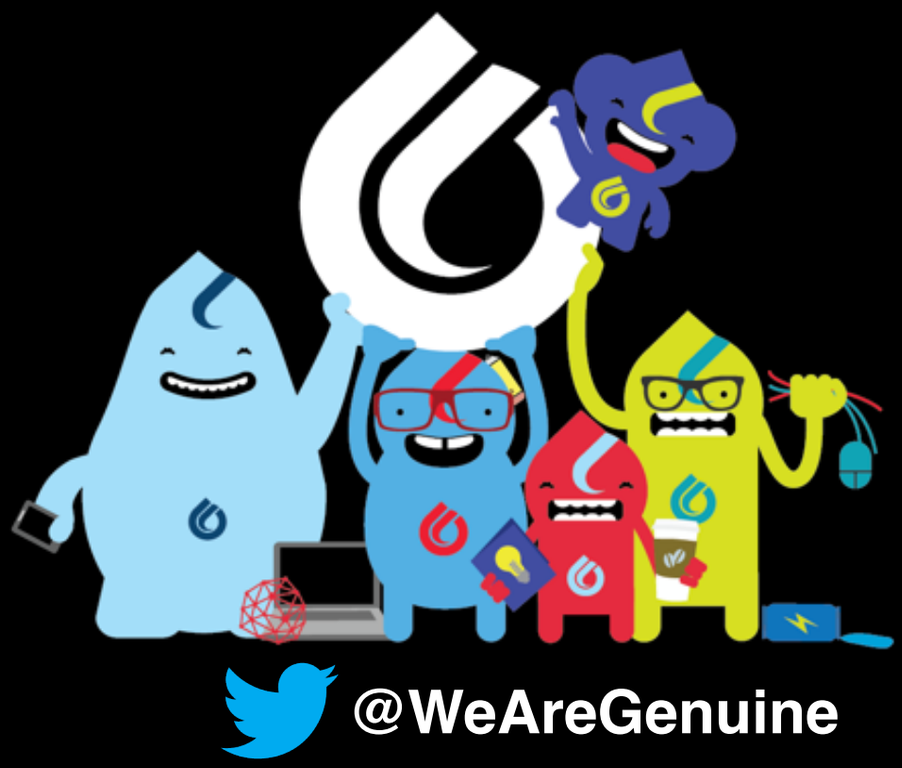
What’s it all about.

How to quickly make smart, informed decisions.

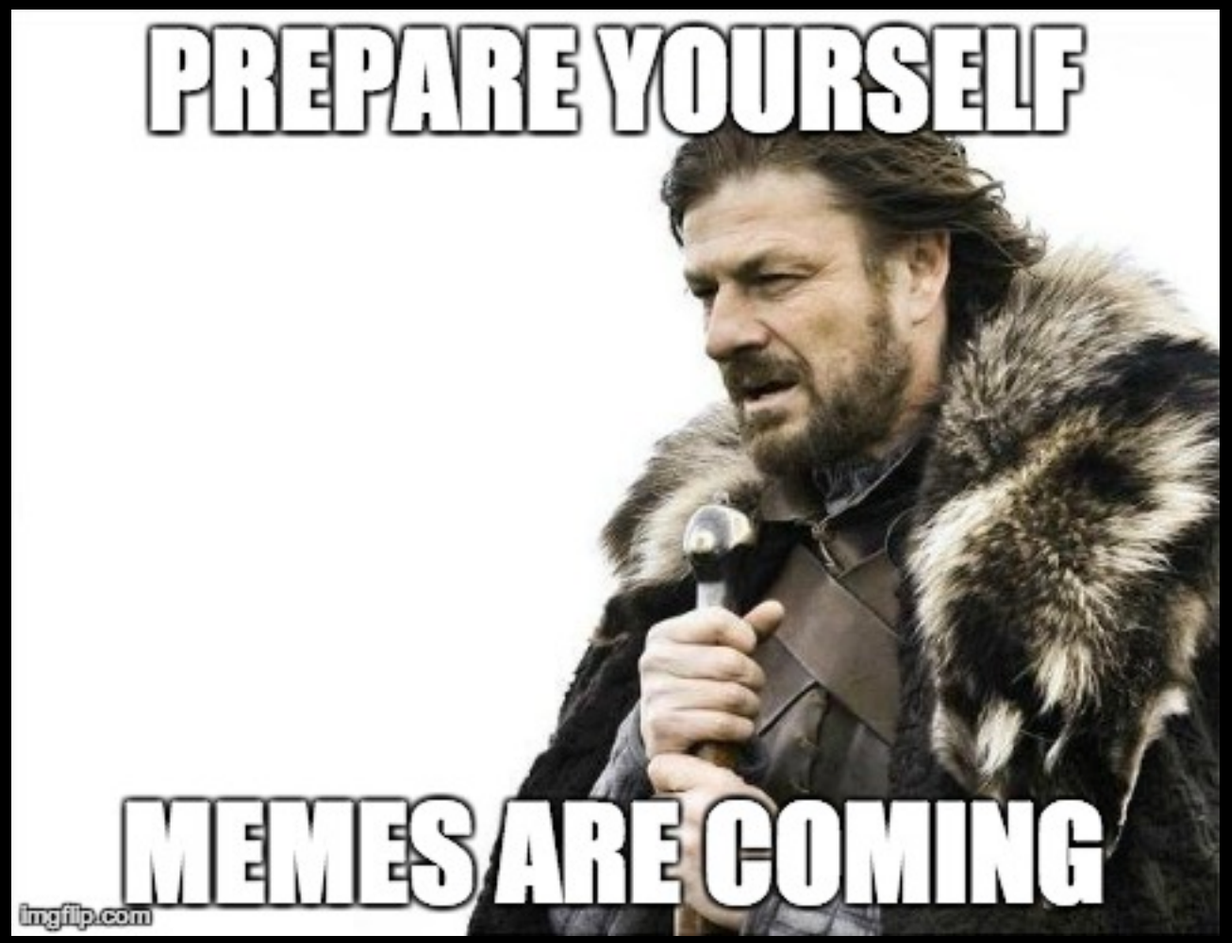
Michael Miles

- 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**

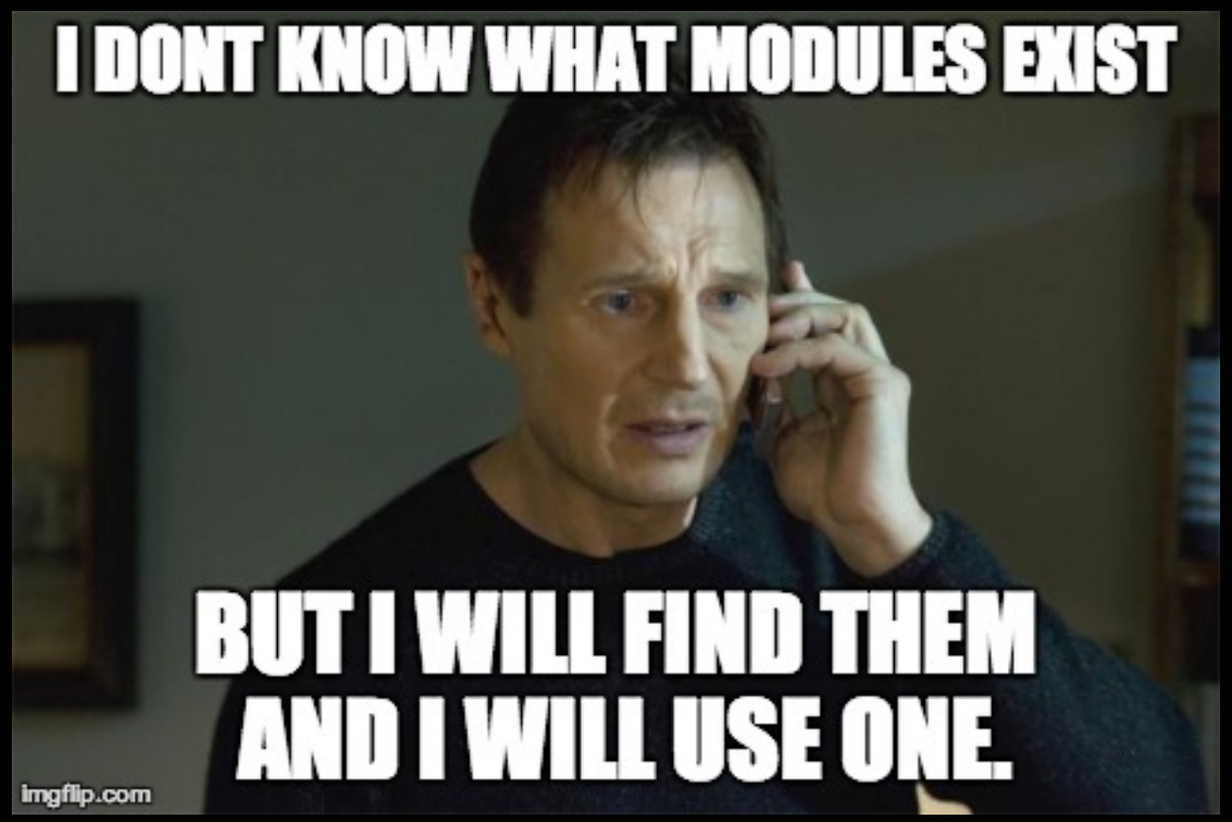
(*yay acronyms!*)

R.E.A.D

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

#justREAD

Research what exists.



Research what exists.

- Isolate key functionality needs.
- Search for existing modules.
- Use the community.

WE ARE
THE 99%
Bronx

Evaluate the options.

Evaluate the options.

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

Chuck Norris

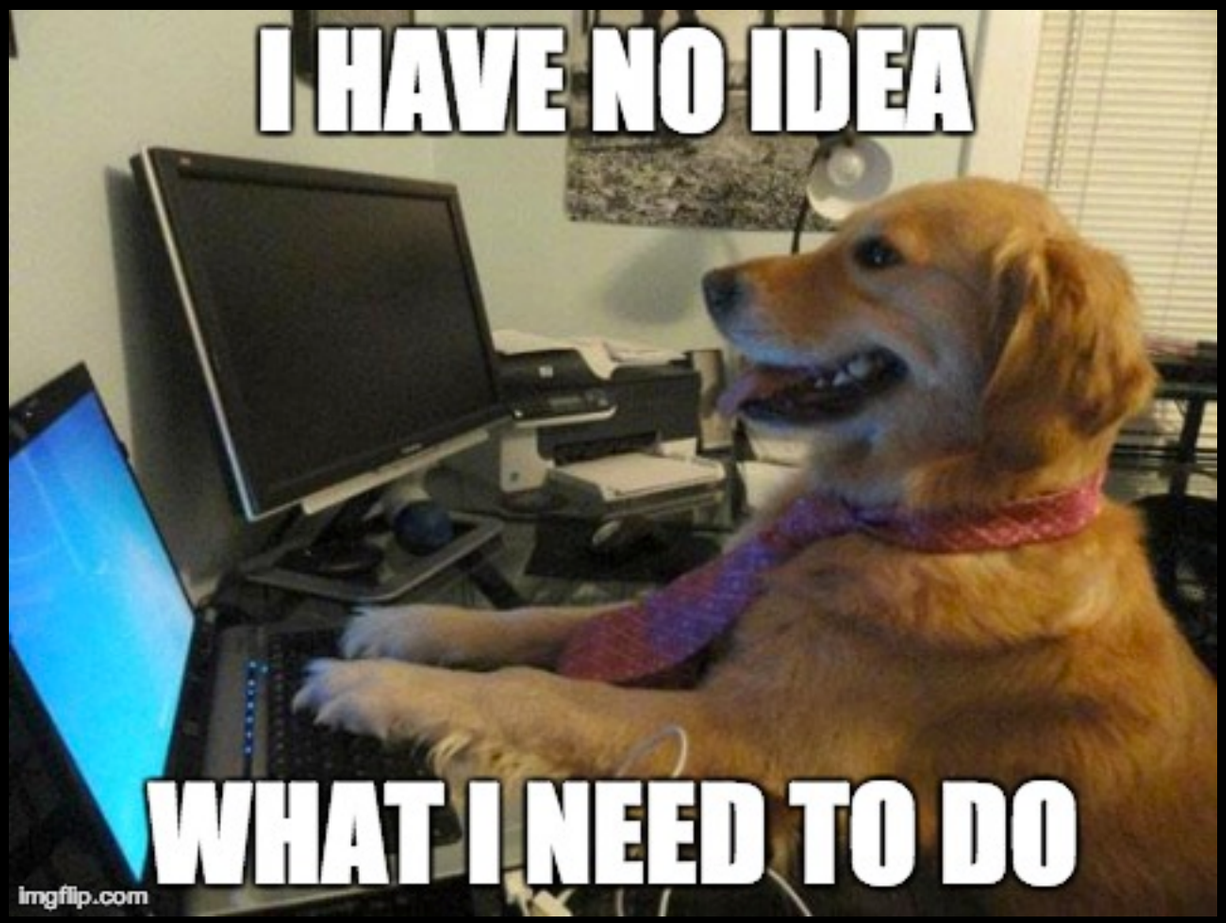
Analyze the gap.

Analyze the gap.

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

Patch not found.

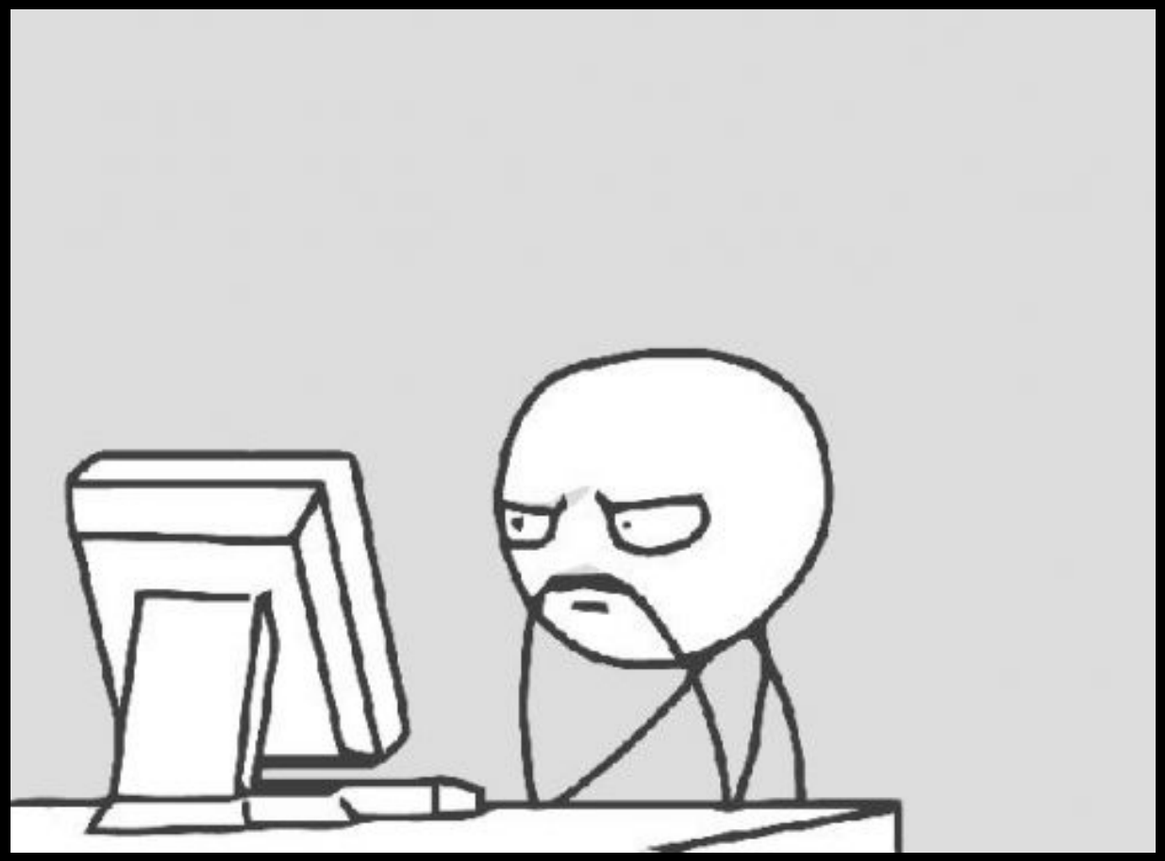
Determine amount of effort.



Determine amount of effort.

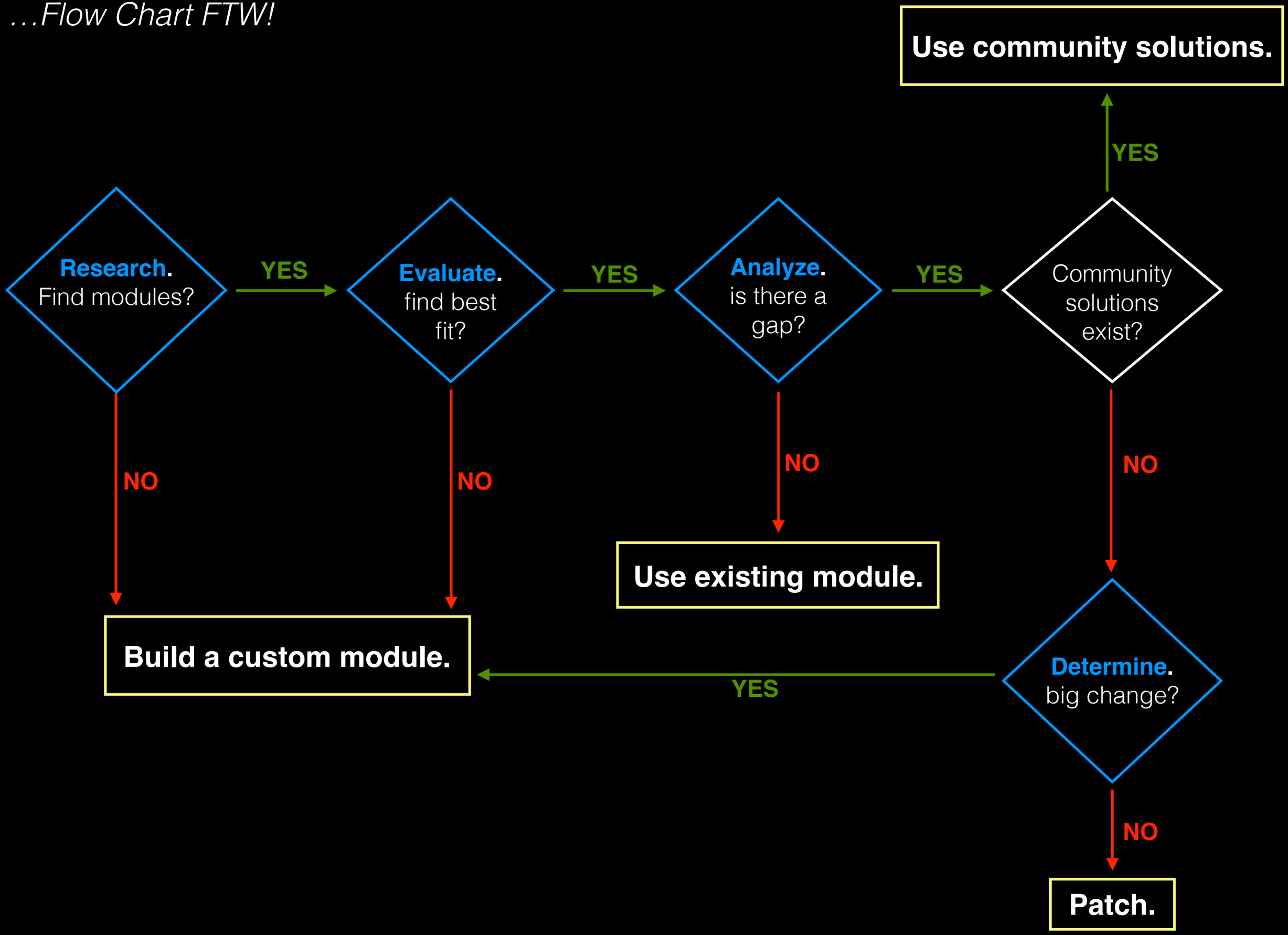
- Review the module code.
- Estimate how much has to be changed.
- Do changes extend or alter module?

Let’s review.

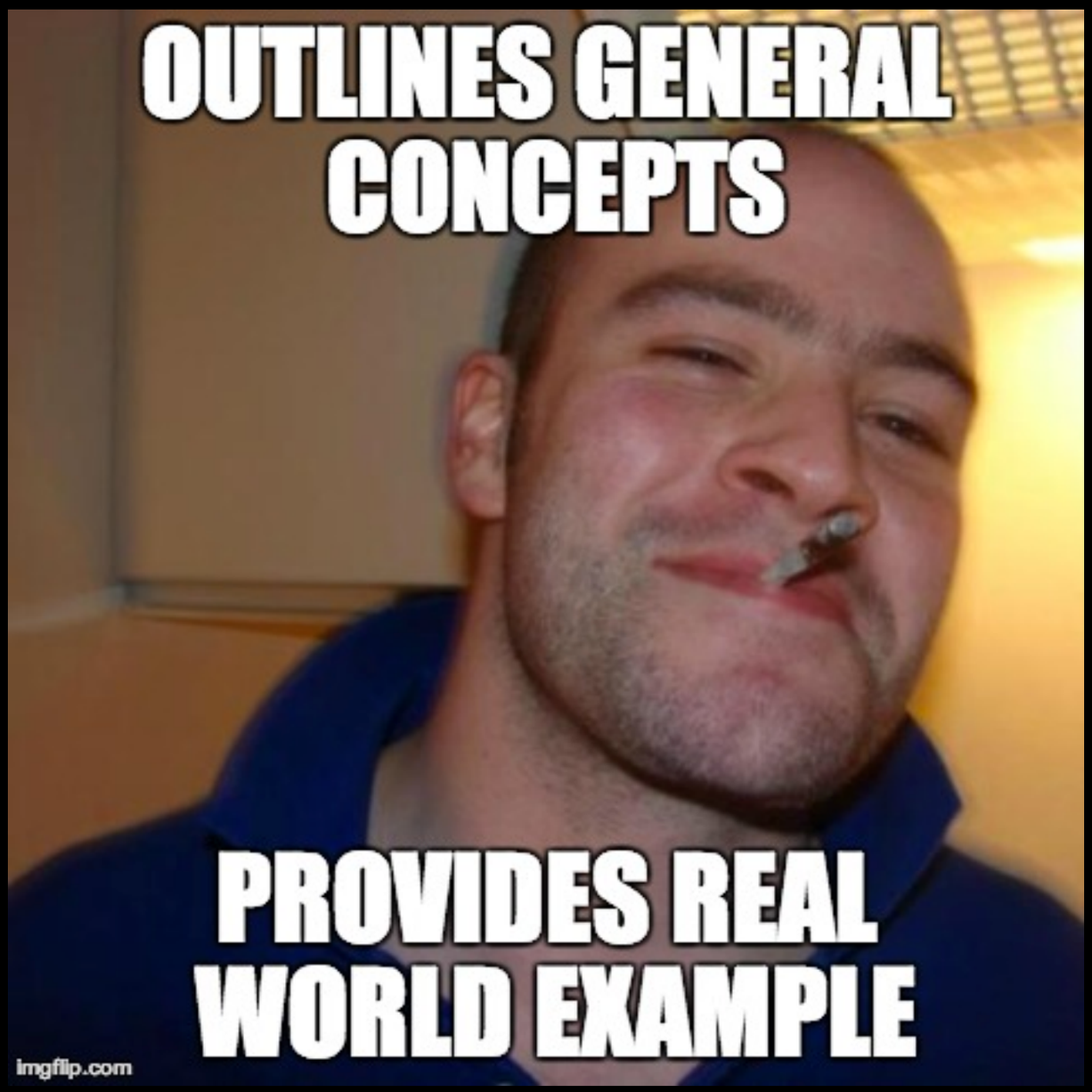


Like developers…

…Flow Chart FTW!



Examples.


OUTLINES GENERAL CONCEPTS
PROVIDES REAL WORLD EXAMPLE
imgflip.com

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

Research what exists.

Isolate key functionality needs.

WHEN SAVING A **FILE**

AND IT IS A JPEG IMAGE

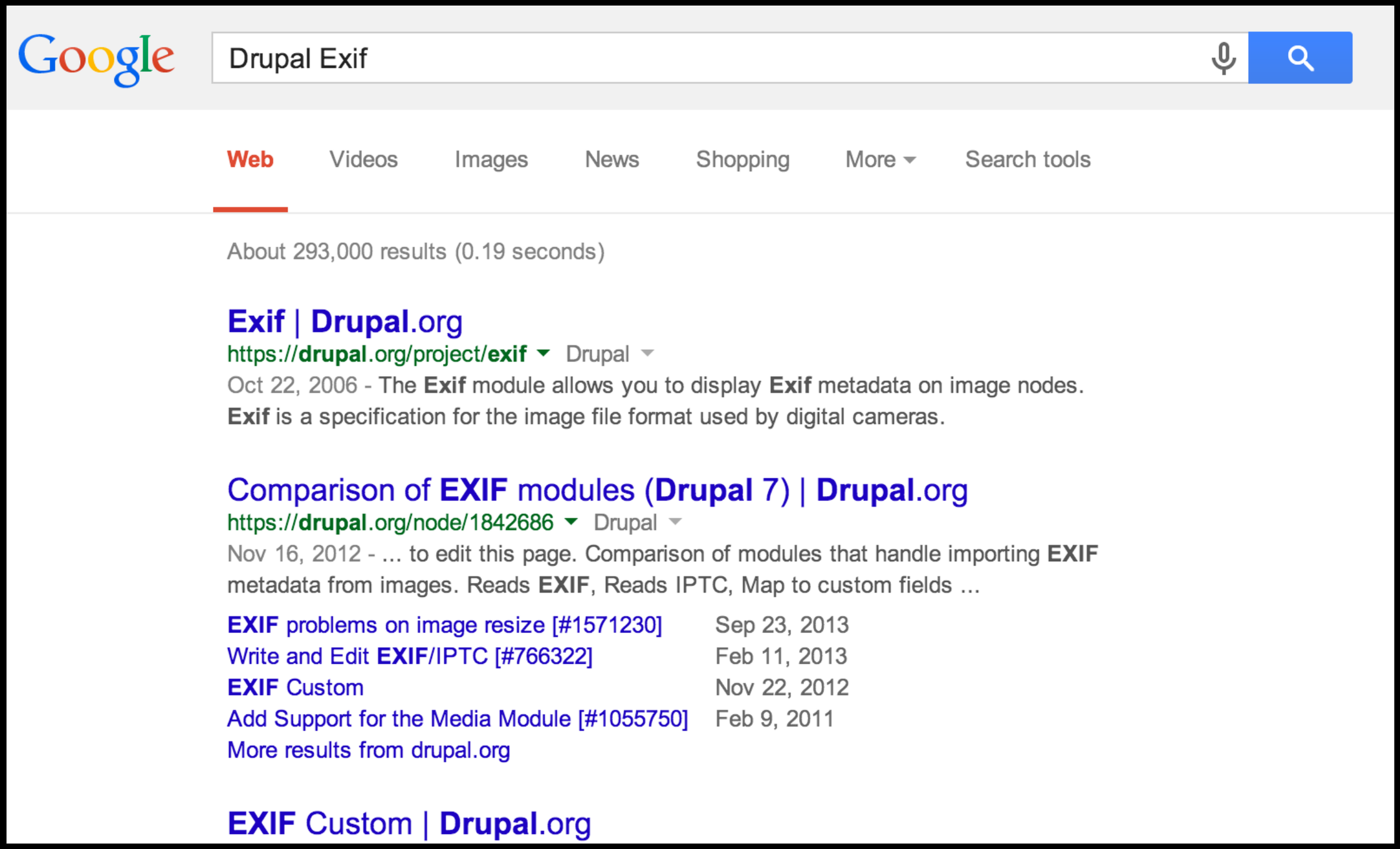
THEN THE **EXIF META DATA** NEEDS TO BE CAPTURED

AND **MAPPED TO CUSTOM FIELDS**

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

Research what exists.

Search for existing modules.



Research what exists.

Find possible existing solutions

- The Exif module
- The Exif custom module

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

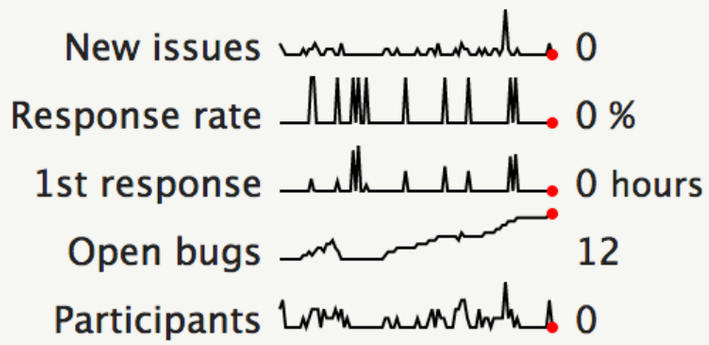
20 open, 44 total

Bug report

12 open, 28 total

Subscribe via e-mail

Statistics



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

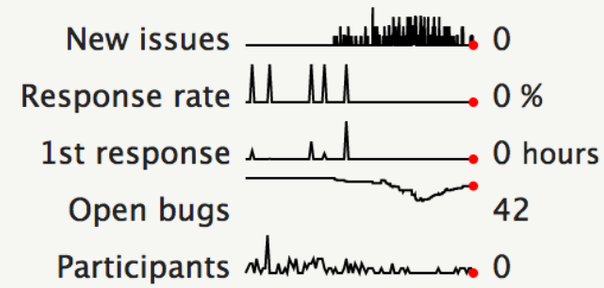
91 open, 182 total

Bug report

42 open, 93 total

Subscribe via e-mail

Statistics



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.

Analyze the gap.

Download and test the module.

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.

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 submit a Patch.

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

Contributed a Patch

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.

Files:

Comment	File			
#1 mikemiles86	exif_custom-features_integration-2141235-1.patch	10.26 KB	REVIEW	SIMPLYTEST.ME

Comments

mikemiles86 *commented 10 months ago* #1

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

#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

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 EDITNG 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.

Isolate key functionality needs.

WHEN SITE USES **WORKBENCH** TO MODERATE CONTENT

THEN CAN CREATE **MULTIPLE TRANSITIONS BETWEEN STATES**

AND TRANSITIONS ARE **EXPORTABLE USING FEATURES**

WHEN **EDITNG** 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.

Drupal™

workbench schedule

Search

Refine your search

Drupal Homepage | Your Dashboard | Logged in as mikemiles86 | Log out

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

Revision scheduler

Scheduler integration [#1079146]

Mar 7, 2011

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

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

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 *

Y-m-d H:i:s 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

Published

Moderation state to be placed in after publishing

UNPUBLISHING

☐ Enable scheduled unpublishing for this content type

Moderation State

Draft

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 transition schedules
- Unable to select different transitions for revisions
- No features integration.

Determine amount of effort.

Estimate how much has to be changed.

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

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.

Wrote a custom module.

Workbench Scheduler

View | Edit | Version control | Revisions | Maintainers | Automated Testing

Posted by mikemiles86 on *October 4, 2013 at 2:03pm*

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.

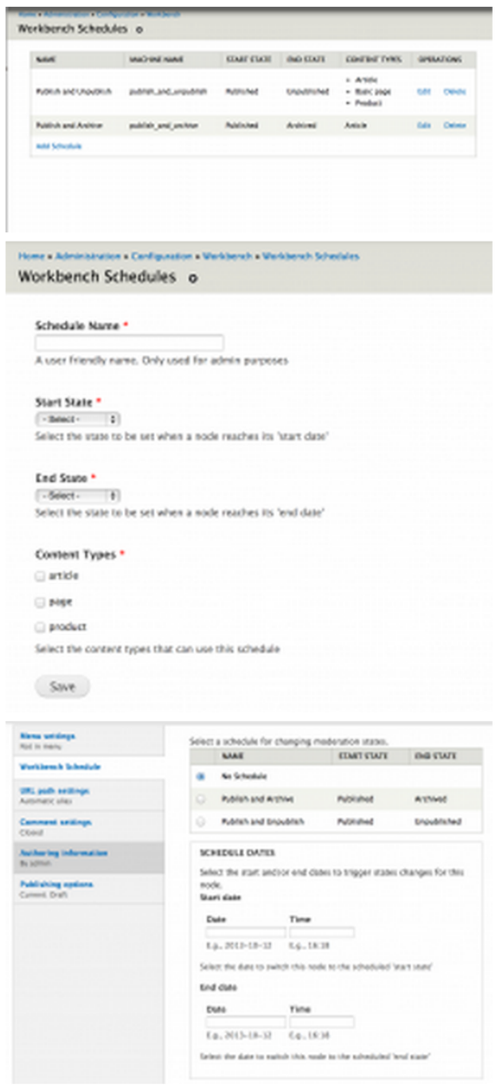
Users with the correct permissions can create custom workbench schedules where they specify:

- 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.

Maintainers for Workbench Scheduler

mikemiles86 – 6 commits
last: 1 month ago, first: 11 months ago

View all committers
View commits

Issues for Workbench Scheduler

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

Search

Advanced search

All issues

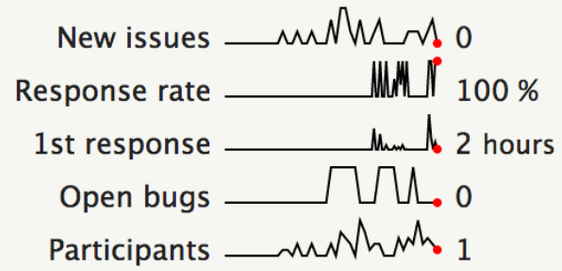
8 open, 23 total

Bug report

0 open, 6 total

Subscribe via e-mail

Statistics



2 year graph, updates weekly

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**

- Any - | - Any - | - Any - | - Any - | - Any -

Search | Reset

Displaying 23 issues. Hide irrelevant issues | Mark all as read

Summary	Status	Priority	Category	Version	Component	Replies	Last updated	Assigned to	Created
Notices on Workbench Schedules page updated	Closed (fixed)	Normal	Bug report	7.x-1.x-dev	Code	4 1 new	4 days 16 hours		2 weeks 6 days
Display workbench scheduler summary on vertical tab	Needs review	Normal	Feature request	7.x-1.x-dev	Code	2	1 week 4 days		1 week 4 days
Optional end and start date	Needs review	Normal	Feature request	7.x-1.x-dev	Code	12	1 week 4 days		3 months 4 weeks
Rescheduling the same node	Active	Normal	Feature request	7.x-1.2	Code	3	1 week 6 days		4 months 1 week
Dependencies information is wrong on module page.	Closed (fixed)	Minor	Task	7.x-1.x-dev	Documentation	1	1 week 6 days		1 week 6 days
Fix views integrations	Closed (fixed)	Normal	Bug report	7.x-1.x-dev	Code	6	4 weeks 1 day	mikemiles86	3 months 2 days
Invalid argument supplied for foreach() in workbench_scheduler_features_rebuild	Closed (fixed)	Normal	Bug report	7.x-1.x-dev	Code	6	4 weeks 1 day		1 month 1 week
Different schedules for different revisions	Closed (fixed)	Normal	Task	7.x-1.x-dev	User interface	12	4 weeks 1 day		5 months 1 week
Create permissions for individual workbench schedules	Closed (fixed)	Normal	Support request	7.x-1.x-dev	Code	7	4 weeks 1 day		1 month 6 days

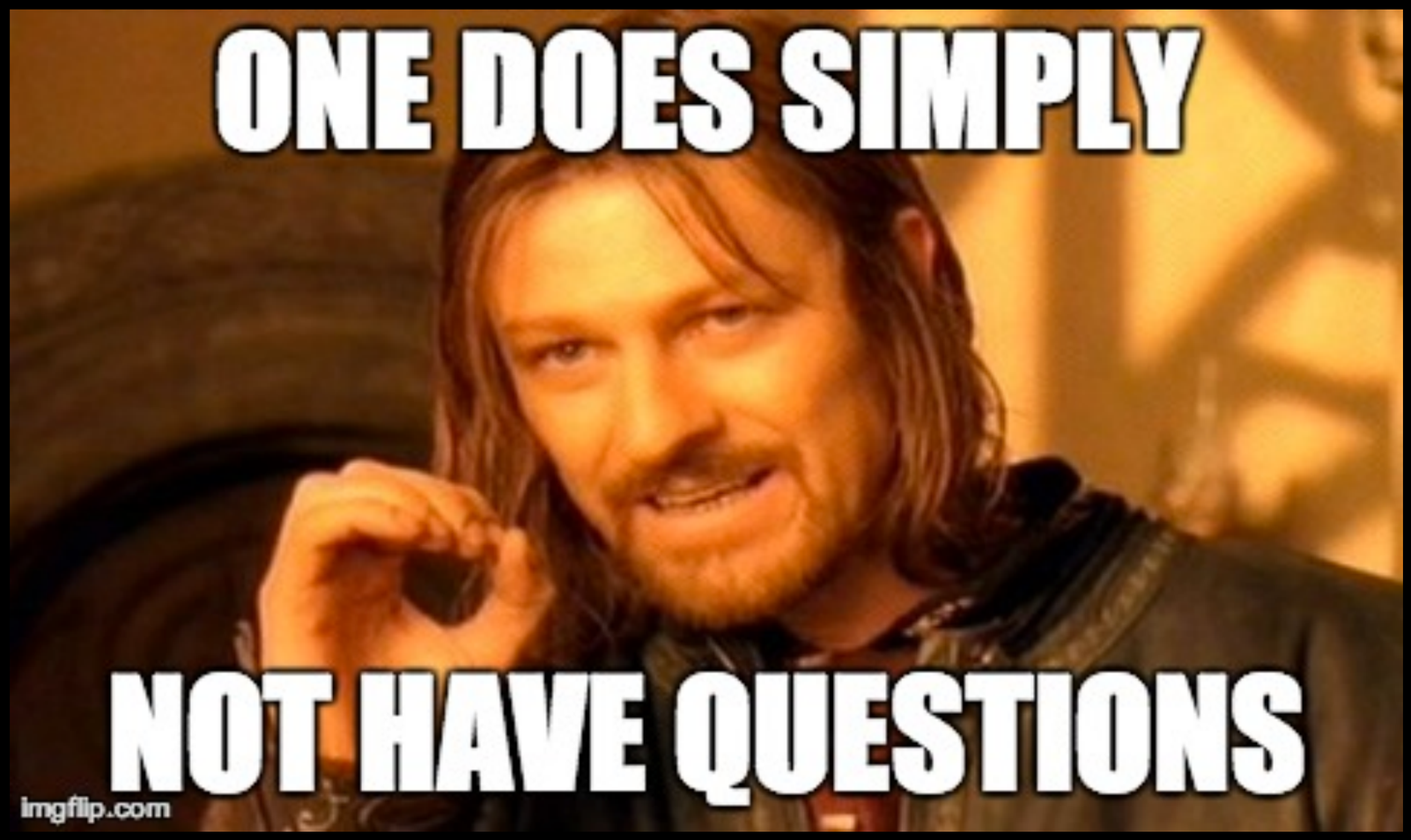
SUMMERIZE
ALL THE THINGS
imgflip.com

Remember R.E.A.D.

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

#justREAD

Thank You!



@mikemiles86