

R.E.A.D

How to select the right modules

<https://2015.midcamp.org/node/34>

MidCamp 2015

#MidCamp

Who You Are

- *New to Drupal.*
- *Want to improve habits.*
- *Session curious.*

Your Role

- *A Drupal developer.*
- *A site architect.*
- *Functionality decision maker.*

What it is all About

How to quickly make smart, informed functionality decisions.

What we will Cover

- *Steps to decide between a contrib, patched or custom module.*
- *Basics of writing/contributing a patch.*
- *Basics of writing/contributing a module.*

Michael Miles

From: Boston, MA *..a.k.a Planet Hoth*

Work: [Genuine](#) (@WeAreGenuine)

Exp: Working with Drupal since 2008.

Recently named an Acquia M.V.P

Twitter: @mikemiles86 **Drupal.org:** mikemiles86

All the Places: mikemiles86

mike-miles.com

R.E.A.D

Research what exists.

Evaluate the options.

Analyze the gap.

Determine amount of change.

Research What Exists



Isolate Keywords

- *Read documentation, specs, etc...*
- *Pay attention to unique nouns and verbs.*
- *Ask questions!*

Perform Searches

- *30k+ Modules available.*
- *Favorite search engine "Drupal [keyword]".*
- *Search on Drupal.org*

Utilize the Community

- *Use IRC: #drupal, #drupal-support.*
- *Use Stack Exchange: drupal.stackexchange.com.*
- *Social Networks: G+, Facebook, LinkedIn.*
- *Even reddit! reddit.com/r/drupal.*

- Isolate Keywords.
- Perform Searches.
- Utilize Community.

Evaluate the Options



Read the Description

- *What does the module do?*
- *What does the module not do?*
- *What does the module depend on?*

Community Adoption

- *Downloads vs. Installs vs. Age.*
- *Activity of issue queue.*
- *Issues are good, not bad!*

Maintainer Activity

- *Participate in issue queue?*
- *Accepting of feedback?*
- *Regular commits and/or releases?*

- Read the description.
- Check community adoption.
- Check maintainer activity.

Analyze the Gap



Download and Test the Module

- *Gain a better understanding.*
- *Use a sandbox: simplytest.me.*
- *What is offered out of the box?*

Discover Missing Functionality

- *What does it not do?*
- *Missing 80%? Missing 20%?*
- *Bigger gap = Bigger effort.*

Check for Community Solutions

- *Look at the issue queue.*
- *Search "Drupal [module] [functionality]".*
- *Ask questions!*

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

Determine Change



Review the Module Code

- *Does it follow coding standards?*
- *Is it extendable?*
- *Can you figure out what does what?*

Estimate Effort

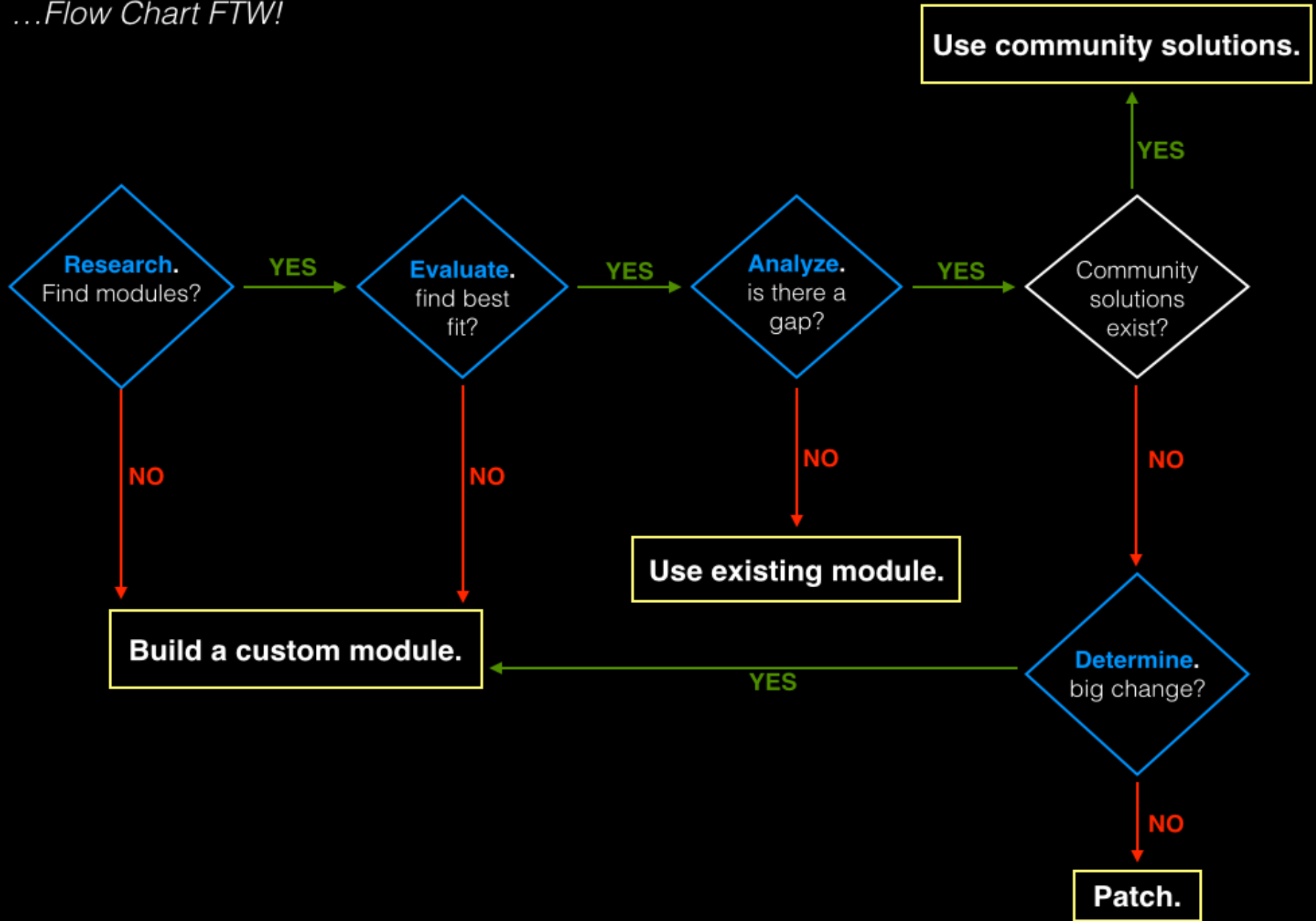
- *How much code to rewrite?*
- *How much code to add?*
- *How much time is there?*

Extend or Alter

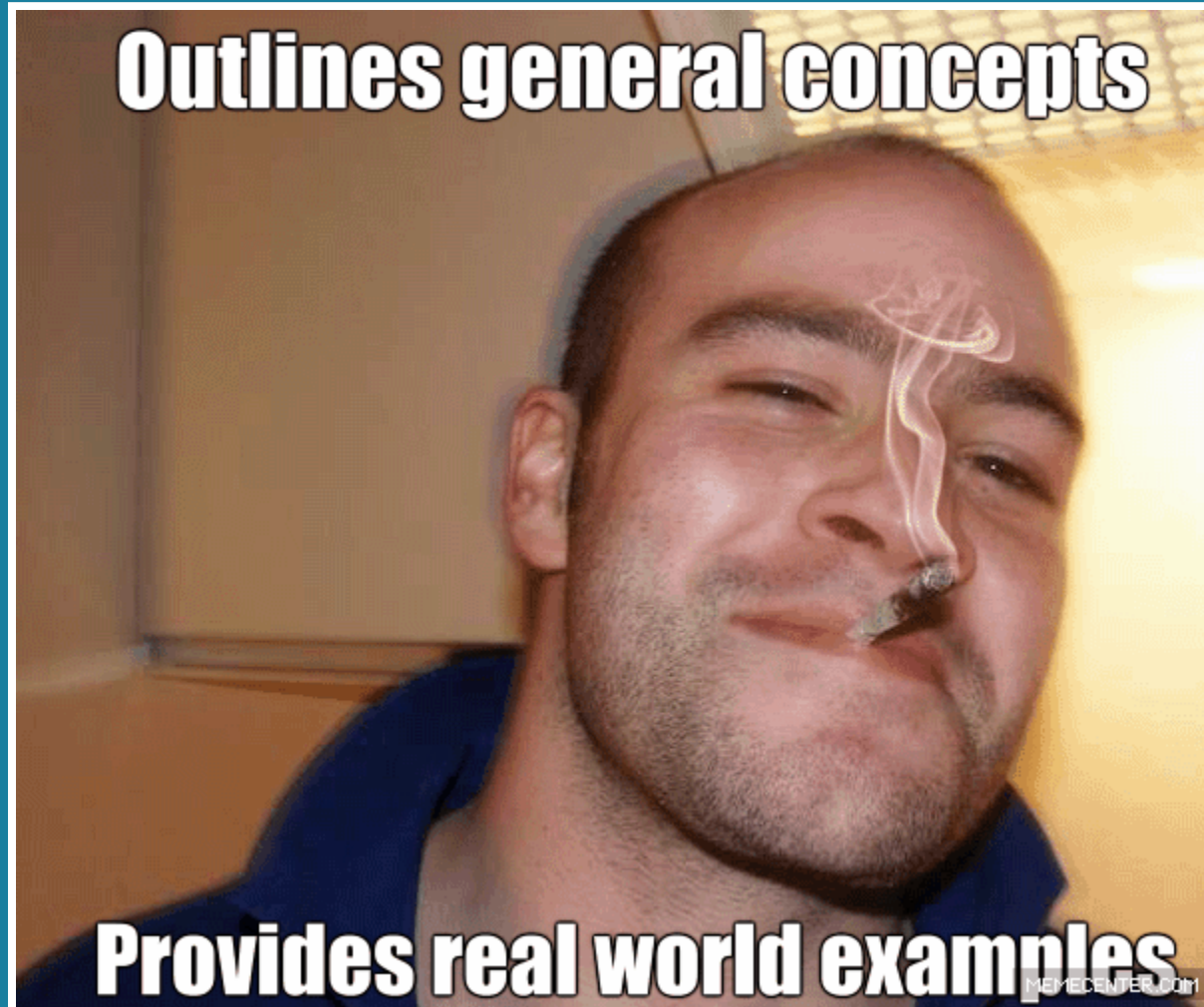
- *Adding functionality?*
- *Changing functionality?*
- *Changing the modules goal?*

- Review module code.
- Estimate effort.
- Extend or alter?

...Flow Chart FTW!



Examples



Scenario #1

The Requirements

WHEN SAVING A FILE ENTITY
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

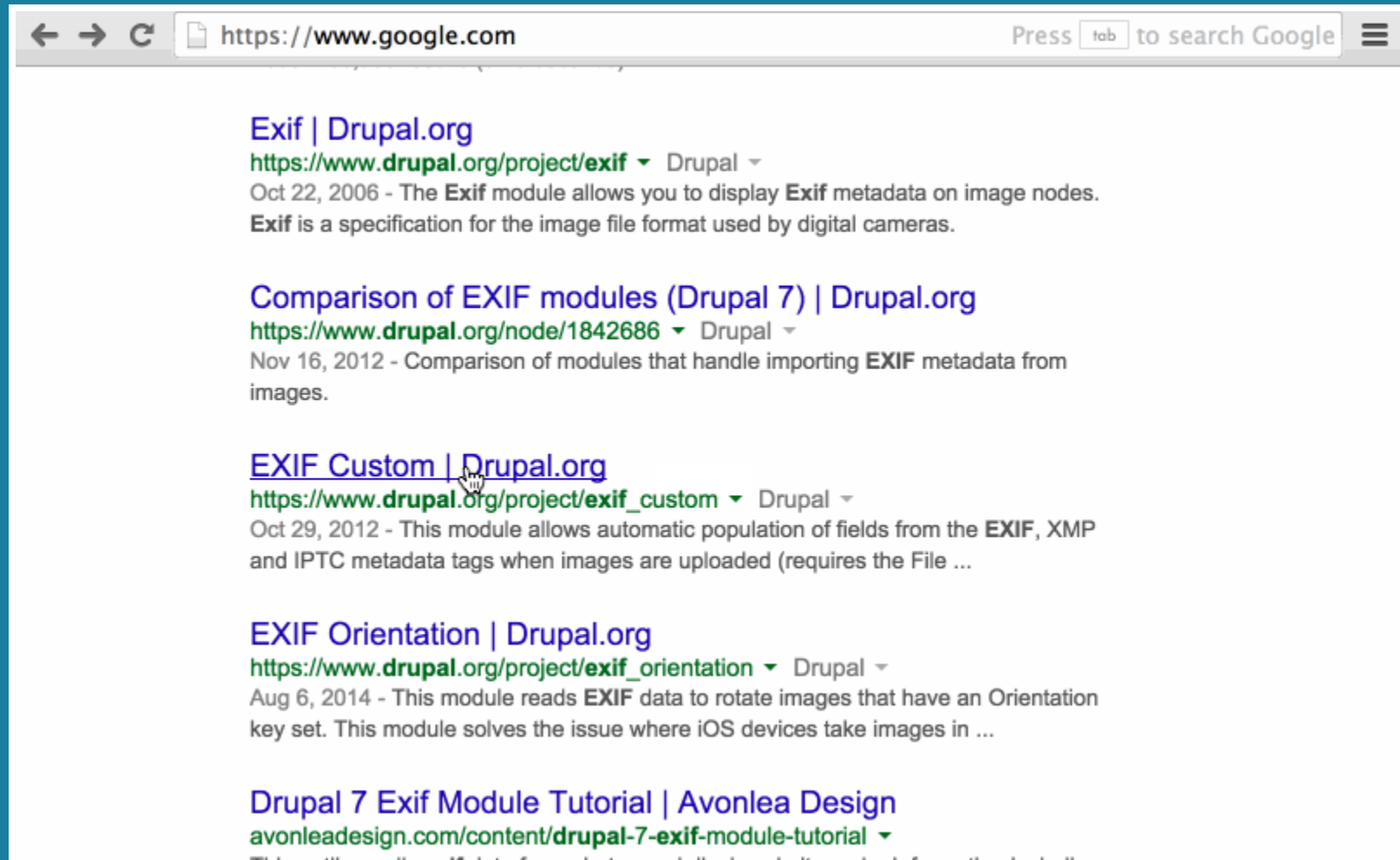
Isolate Keywords

WHEN SAVING A **FILE ENTITY**
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**


Perform Search

We will focus on the keyword "Exif"

Search Google



The image shows a browser window with the address bar containing 'https://www.google.com'. The search bar contains the text 'Press tab to search Google'. The search results are displayed on a white background with a blue header. The first result is 'Exif | Drupal.org' with a URL 'https://www.drupal.org/project/exif' and a description: '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.' The second result is 'Comparison of EXIF modules (Drupal 7) | Drupal.org' with a URL 'https://www.drupal.org/node/1842686' and a description: 'Nov 16, 2012 - Comparison of modules that handle importing EXIF metadata from images.' The third result is 'EXIF Custom | Drupal.org' with a URL 'https://www.drupal.org/project/exif_custom' and a description: 'Oct 29, 2012 - This module allows automatic population of fields from the EXIF, XMP and IPTC metadata tags when images are uploaded (requires the File ...'. The fourth result is 'EXIF Orientation | Drupal.org' with a URL 'https://www.drupal.org/project/exif_orientation' and a description: 'Aug 6, 2014 - This module reads EXIF data to rotate images that have an Orientation key set. This module solves the issue where iOS devices take images in ...'. The fifth result is 'Drupal 7 Exif Module Tutorial | Avonlea Design' with a URL 'avonleadesign.com/content/drupal-7-exif-module-tutorial'. A mouse cursor is visible over the third result's title.

← → ↻ <https://www.google.com> Press to search Google 

[Exif | Drupal.org](#)
<https://www.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://www.drupal.org/node/1842686> ▾ Drupal ▾
Nov 16, 2012 - Comparison of modules that handle importing **EXIF** metadata from images.

[EXIF Custom | Drupal.org](#)
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Oct 29, 2012 - This module allows automatic population of fields from the **EXIF**, XMP and IPTC metadata tags when images are uploaded (requires the File ...

[EXIF Orientation | Drupal.org](#)
https://www.drupal.org/project/exif_orientation ▾ Drupal ▾
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[Drupal 7 Exif Module Tutorial | Avonlea Design](#)
avonleadesign.com/content/drupal-7-exif-module-tutorial ▾

Utilize the Community

Community Documentation

Community Docs Home [Develop for Drupal](#) [Theming Guide](#) [Glossary](#) [Contribute to Docs](#)

Comparison of EXIF modules (Drupal 7)

[View](#) [Edit](#) [Revisions](#)

*Last updated January 6, 2015. Created on November 16, 2012.
Edited by [pkej](#), [edwbaker](#). You can [edit this page](#), too.*

Comparison of modules that handle importing EXIF metadata from images.

	Reads EXIF	Reads IPTC	Map to custom file fields	Map to custom entity fields	Report via views without using custom fields
Exif	Yes	Yes	No	Yes	Not tested
EXIF Custom	Yes	Yes	Yes	No	No
GetID3()	Yes	Yes	No	No	Not tested

[< Colorbox](#) [up](#) [EXIF Custom >](#)

Looking for support? Visit the [Drupal.org forums](#) or join [#drupal-support](#) in IRC

Page status

Incomplete

[Edit this page](#)
[Report to moderator](#)

About this page

Drupal version
Drupal 7.x

Audience
Site builders

Evaluate the Options

Exif custom seems like best fit.

Read the Module Description

https://www.drupal.org/project/exif_custom

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.

Related Resources

- [Installation instructions](#)
- [Comparison of image metadata modules](#)
- [Some example images for testing](#)
- [Some further example images for testing](#)

References

- Baker, E. (2013) [EXIF Custom: Automatic image metadata extraction for Scratchpads and Drupal Biodiversity Data Journal 1](#).

This module was developed as part of the [eMonocot](#) and [Scratchpads](#) projects.

Project Information

Maintenance status: [Actively maintained](#)

Development status: [Under active development](#)

Module categories: [Content](#)

Reported installs: [475 sites](#) currently report using this module. [View usage statistics](#).

Downloads: [4,183](#)

Automated tests: [Enabled](#)

Last modified: [December 1, 2014](#)

Maintainers for EXIF Custom

[edwbaker](#) – [23 commits](#)

last: [3 months ago](#), first: [2 years 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

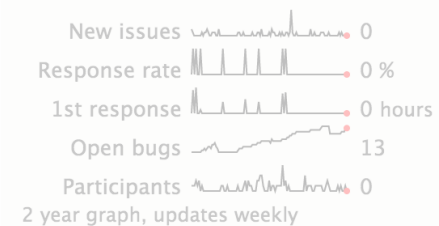
[23 open, 51 total](#)

Bug report

[13 open, 31 total](#)

[Subscribe via e-mail](#)

Statistics



Look at Community Adoption

https://www.drupal.org/project/exif_custom

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

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All issues

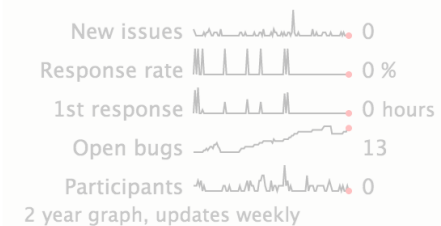
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Bug report

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Statistics



Look at Maintainer Activity

https://www.drupal.org/project/exif_custom

EXIF Custom

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- [Some further example images for testing](#)

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All issues

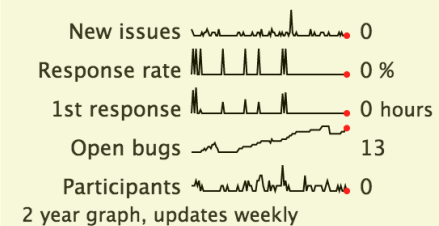
[23 open, 51 total](#)

Bug report

[13 open, 31 total](#)

[Subscribe via e-mail](#)

Statistics




Analyze the Gap

Download and Test the Module

EXIF:COMPUTED:Width	1200	none
EXIF:COMPUTED:IsColor	1	none
EXIF:COMPUTED:ByteOrderMotorola	1	none
EXIF:COMPUTED:Copyright	© Copyright Notice	none
EXIF:COMPUTED:Thumbnail.FileType	2	none
EXIF:COMPUTED:Thumbnail.MimeType	image/jpeg	none
EXIF:IFD0:ImageDescription	Description	none
EXIF:IFD0:Orientation	1	Angle/Orientation
EXIF:IFD0:XResolution	720000/10000	none

Discover Missing Functionality

[Home](#) » [Administration](#) » [Structure](#) » [Features](#) » Create feature

Features 

MANAGE

REVIEW OVERRIDES

CREATE FEATURE

SETTINGS

GENERAL INFORMATION

Name

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

Description

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

Package

Organize your features in groups.

Version

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

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 \(76\)](#) (fe_block_settings)

▶ [BRIGHTCOVE \(1\)](#) (brightcove_player)

▶ [CUSTOM KEYWORD SETS \(25\)](#) (custom_keywords_sets)

▶ [DEPENDENCIES \(221\)](#) (dependencies)

▶ [ENTITYQUEUE \(2\)](#) (entityqueue_queue)

▶ [FEATURE OVERRIDES \(33\)](#) (features_override_items)

▶ [FEATURE OVERRIDES \(INDIVIDUAL -- ADVANCED\) \(144\)](#) (features_overrides)

▶ [FIELD BASES \(7\)](#) (field_base)

Check for Solutions

The screenshot shows the Drupal.org website interface. At the top, there is a search bar with the text "Search Drupal.org" and a search button. Below the search bar, there are navigation links: "Drupal Homepage", "Your Dashboard", "Logged in as mikemiles86", and "Log out". A dropdown menu for "Refine your search" is also visible. The main content area is titled "Download & Extend" and includes sub-navigation for "Download & Extend Home", "Drupal Core", "Distributions", "Modules", and "Themes". The "EXIF Custom" module page is displayed, featuring a "View" button and links for "Version control", "Revisions", and "Automated Testing". The page content includes a post by "edwbaker" from October 29, 2012, describing the module's functionality for automatic population of fields from EXIF, XMP, and IPTC metadata tags. It also mentions that a "File Entity" module is required and that custom mappings can be created and saved. A sidebar on the right contains sections for "Maintainers for EXIF Custom" (listing "edwbaker" with 23 commits) and "Issues for EXIF Custom" (with a search box and a "Search" button).

Search Drupal.org

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

Download & Extend Add Issues for EXIF Custom to dashboard

Download & Extend Home Drupal Core Distributions Modules Themes

EXIF Custom

View Version control Revisions Automated Testing

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

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Related Resources

- [Installation instructions](#)
- [Comparison of image metadata modules](#)

Maintainers for EXIF Custom

[edwbaker](#) – 23 commits
last: 3 months ago, first: 2 years ago

[View all committers](#)
[View commits](#)

Issues for EXIF Custom

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

Search

Determine Change

Review 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);
```

Estimate Effort

- *Add Features integration.*
- *Alter primary key for mappings.*
- *Time is minimal.*

Extend or Alter

- *Adding features support.*
- *Not changing what module does.*
- *Extending.*

Which Path to Choose

- *Use module as is.*
- *Patch module.*
- *Write own module.*

Patch!

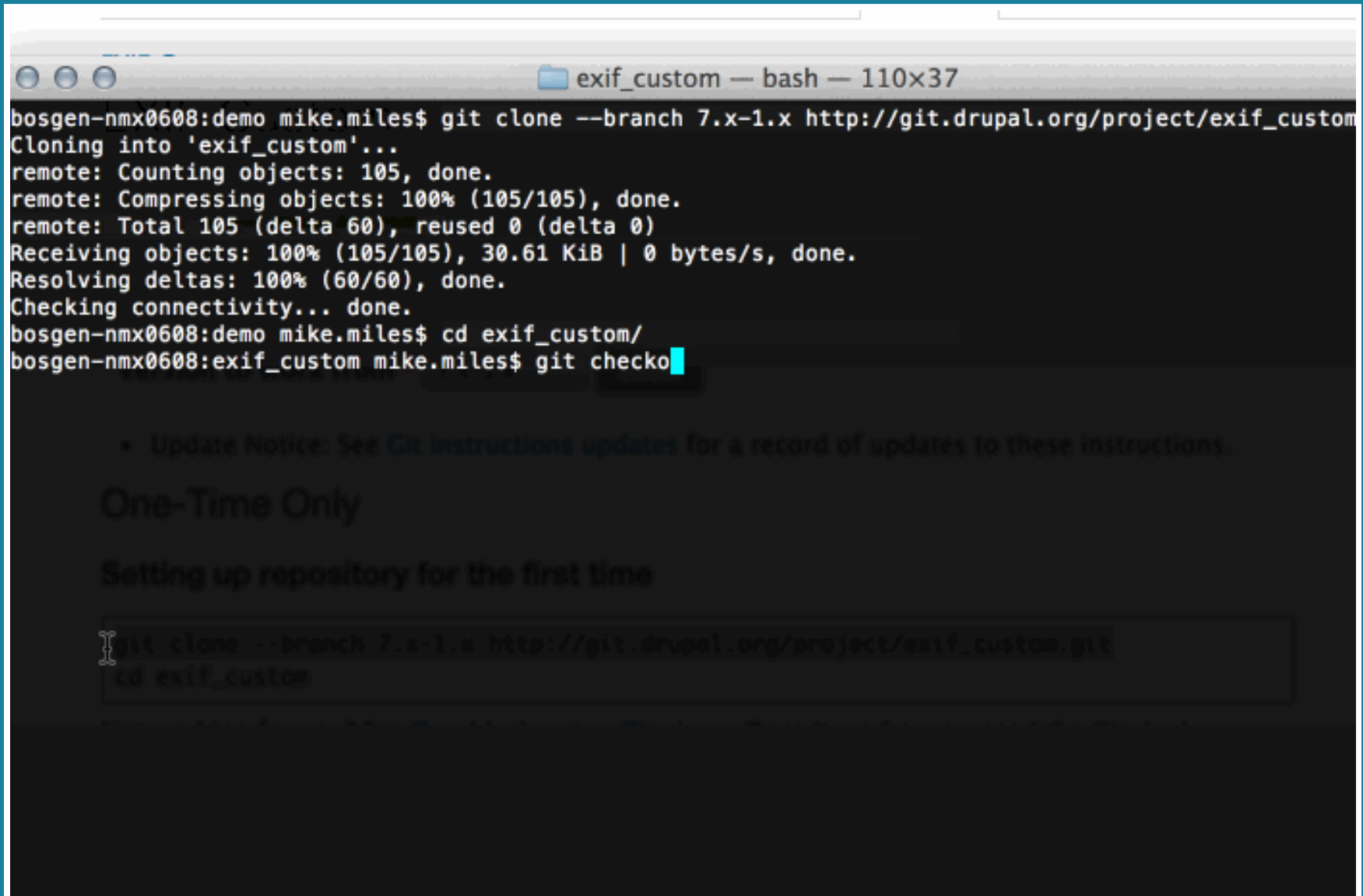
- *Module meets 90% of needs.*
- *Small gap, small effort.*
- *Extends module.*

What is a Patch?

- drupal.org/patch.
- *A structured list of changes to files.*
- *Re-appliable to files.*
- *Focused on a single change.*

Creating a Patch

Clone and branch module git repo.



```
exif_custom -- bash -- 110x37
bosgen-nmx0608:demo mike.miles$ git clone --branch 7.x-1.x http://git.drupal.org/project/exif_custom
Cloning into 'exif_custom'...
remote: Counting objects: 105, done.
remote: Compressing objects: 100% (105/105), done.
remote: Total 105 (delta 60), reused 0 (delta 0)
Receiving objects: 100% (105/105), 30.61 KiB | 0 bytes/s, done.
Resolving deltas: 100% (60/60), done.
Checking connectivity... done.
bosgen-nmx0608:demo mike.miles$ cd exif_custom/
bosgen-nmx0608:exif_custom mike.miles$ git checko
```

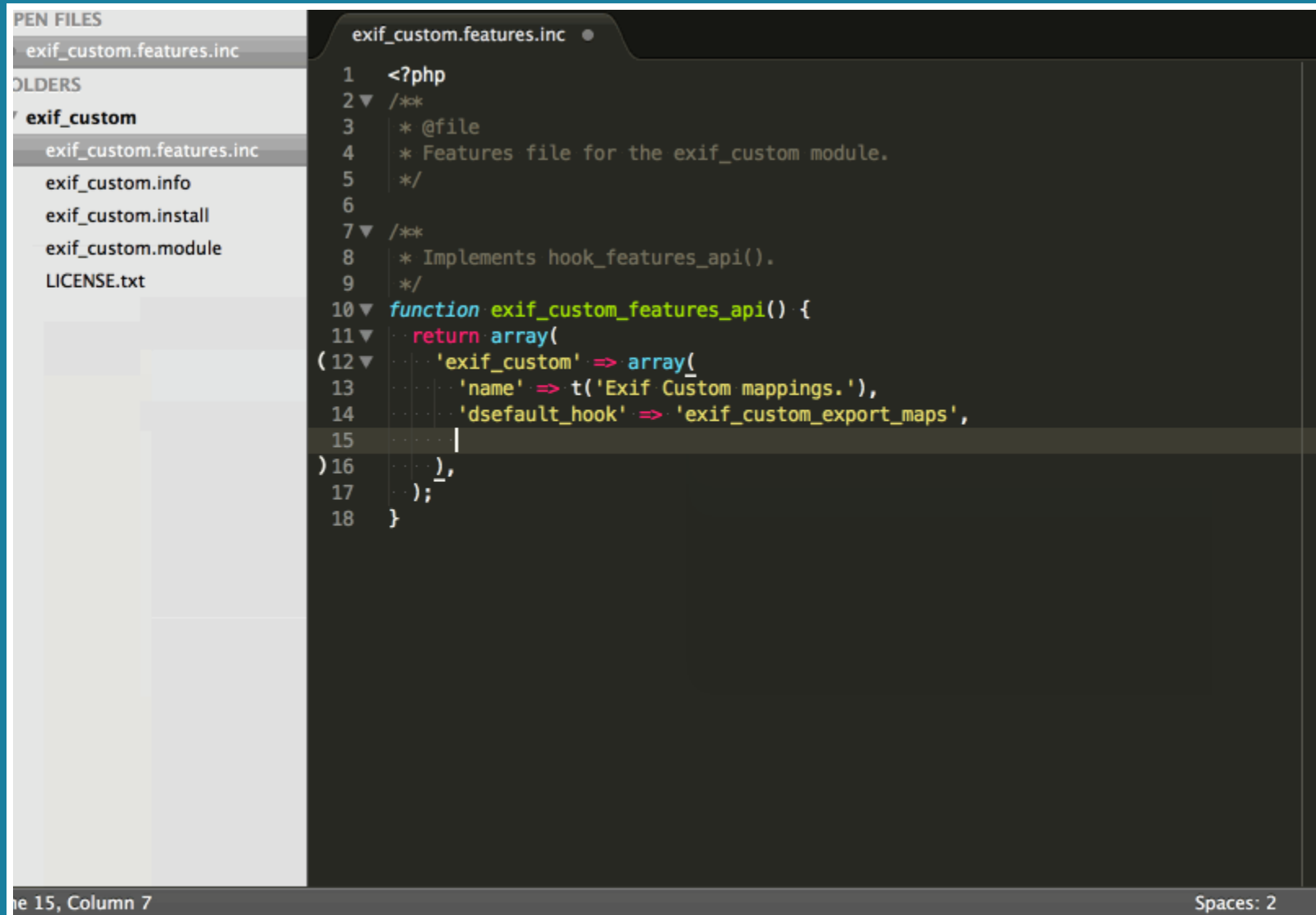
• Update Notice: See [Git instructions updates](#) for a record of updates to these instructions.

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
```

Make changes to code.




The image shows a code editor interface. On the left, a sidebar displays the file structure under the 'PEN FILES' section. The 'exif_custom' directory is expanded, showing files: 'exif_custom.features.inc', 'exif_custom.info', 'exif_custom.install', 'exif_custom.module', and 'LICENSE.txt'. The main editor window shows the content of 'exif_custom.features.inc' with line numbers 1 through 18. The code is PHP and includes a function definition for 'exif_custom_features_api()'. The status bar at the bottom indicates 'Line 15, Column 7' and 'Spaces: 2'.

```
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             'ddefault_hook' => 'exif_custom_export_maps',
15         ),
16     ),
17 );
18 }
```


Line 15, Column 7 Spaces: 2

Test your changes.

Home » Administration » Structure » Features

Features 

MANAGE REVIEW OVERRIDES CREATE FEATURE SE

Features	FEATURE	SIGNATURE	STATE	ACTIONS
Features	<input type="checkbox"/> Features Extra test feature Test feature for Features Extra. Unmet dependencies: block_class (Missing) , nodequeue (Missing)	http://drupal.org  7.x-1.0-beta1	Disabled	Recreate

[Feeds](#)


[Schema.org](#)

[Testing](#)

Save settings

Generate patch file.

```
bosgen-nmx0608:exif_custom mike.miles$ git
```



The screenshot shows a terminal window with a dark background. At the top, there is a notification message in a lighter color: "available for one or more of your modules or themes. To ensure the security of your server, you should update immediately. Information about these updates is available in the update status report. Updates are detected with your Drupal installation. Check the status report for more information." Below this message, there is a "SYSTEM" menu with a vertical ellipsis icon. The menu items are: "Site information", "Actions", and "Cron". Each menu item has a small arrow pointing to the right, indicating it is a submenu. The terminal prompt is "mike.miles\$".


```
diff --git a/exif_custom.features.inc b/exif_custom.features.inc
new file mode 100644
index 0000000..243bbe2
--- /dev/null
+++ b/exif_custom.features.inc
@@ -0,0 +1,158 @@
+<?php
+/**
+ * @file
+ * Features file for the exif_custom module.
+ */
+
+/**
+ * Implements hook_features_api().
+ */
+function exif_custom_features_api() {
+  return array(
+    'exif_custom' => array(
+      'name'          => t('EXIF Custom mappings'),
+      'default_hook'  => 'exif_custom_export_maps',
+      'feature_source' => TRUE,
+      'default_file'  => FEATURES_DEFAULTS_INCLUDED,
+      'file'          => drupal_get_path('module', 'exif_custom') . '/
+    ),
+  );
+}
```

Submitting a Patch

Create/comment on issue queue.

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 your patch.


Follow patch naming standards

[module]-[description]-[issue-number]-[comment-number].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](#)

Watch for feedback.

#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](#)

Wait for merge. *(hopefully)*

#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](#)

Giving back to the community



Feels good man

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

Research What Exists

Isolate Keywords

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

Search for Existing Modules

We will focus on the keywords "workbench schedule"

Search Drupal

The screenshot shows the Drupal.org homepage. At the top, there is a navigation menu with links: Get Started, Community, Documentation, Support, Download & Extend, and Jobs. The main header features the Drupal logo and a search bar. The search bar contains the text "Search Drupal.org" and a search icon. Below the search bar, there are search results for "bazaarvoice", "custom keywords", and "entityform conditional". There are also radio buttons for filtering results by "All", "Modules", "Themes", "Documentation", "Forums & Issues", and "Groups". The main content area has a blue background with the text "Come for the software, stay for the community" and "Drupal is an open source content management platform powering millions of websites and applications. It's built, used, and supported by an active and diverse community of people around the world." Below this, there are buttons for "Drupal Homepage", "Your Dashboard", and "Logged in as mikemiles86 Log out".

← → ↻ <https://www.drupal.org>

Get Started Community Documentation Support Download & Extend Jobs

Drupal™

Come for the software, stay for the community

Drupal is an open source content management platform powering millions of websites and applications. It's built, used, and supported by an active and diverse community of people around the world.

Search Drupal.org

🔍 I

bazaarvoice
custom keywords
entityform conditional

All Modules
 Themes Documentati
 Forums & Issues Groups

Drupal Homepage Your Dashboard Logged in as mikemiles86 Log out

Why Choose Drupal?

Use Drupal to build everything from personal blogs to enterprise applications. Thousands of add-on modules and designs let you build any site you can imagine. Join us!

[Get Started with Drupal](#)

Drupal Distributions

Sites Made with Drupal

positive MILLFIELD

Drupal 8 is regular update process or developer,

29,970 Modules
2,122 Themes
913 Distributions
37,586 Developers

This week

Evaluate the Options

Look at Scheduler Workbench Integration.

Read the Module Description

← → ↻ https://www.drupal.org/project/scheduler_workbench

Scheduler Workbench Integration

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

Posted by [wwhurley](#) on *June 20, 2012 at 3:01pm*

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](#)

Thanks

Sponsored by [Forum One Communications](#)

Project Information

Maintenance status: [Actively maintained](#)

Development status: [Under active development](#)

Module categories: [Administration](#) , [Utility](#)

Reported installs: **1,854** sites currently report using this module. [View usage statistics.](#)

Downloads: 13,994

Last modified: December 1, 2014

Maintainers for Scheduler Workbench Integration

[wwhurley](#) – 2 commits

last: 1 year ago, first: 2 years ago

[View all committers](#)

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Issues for Scheduler Workbench Integration

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

[Search](#)

[Advanced search](#)

[All issues](#)

[12 open, 29 total](#)

[Bug report](#)

[6 open, 16 total](#)

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Look at Community Adoption

← → ↻ https://www.drupal.org/project/scheduler_workbench

Scheduler Workbench Integration

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

Posted by [wwhurley](#) on *June 20, 2012 at 3:01pm*

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Look at Maintainer Activity

← → ↻ https://www.drupal.org/project/scheduler_workbench

Scheduler Workbench Integration

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

Posted by [wwhurley](#) on *June 20, 2012 at 3:01pm*

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Analyze the Gap

Download and Test the Module

Use `articles` for time-sensitive content like news, press releases or blog posts.

Describe this content type. The text will be displayed on the *Add new content* page.

Submission form settings

Title

Publishing options

Published , Promoted to front page

Display settings

Display author and date information.

Comment settings

Open, Threading , 50 comments per page

Menu settings

Scheduler

Title field label *

Title

Preview before submitting

- Disabled
- Optional
- Required

Explanation or submission guidelines

Discover Missing Functionality

- *Unable to create different transitions per type.*
- *Unable to select per revision.*
- *No features support.*

Determine Change

Review 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 ($state = variable_get('scheduler_unpublish_moderation_state',
175             workbench_moderation_moderate($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', $
187             $node->workbench_moderation_state_current = $node->workbench_mode
188             $node->workbench_moderation_state_new = $state;
189         }
190     }
191
```

Estimate Effort

- *Refactor creating schedules & transitions.*
- *Decouple transitions from content types.*
- *Add Features integration.*
- *Will take time.*

Extend or Alter

- *Changing how transitions/schedules are created.*
- *Changing purpose of module.*
- *Altering.*

Which path to choose?

- *Use module as is.*
- *Patch module.*
- *Write own module.*

Build a custom module!

- *Too big/complicated to be a patch.*
- *Would alter module goals.*
- *No other module exists to support use cases.*

Writing a Module

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

Contributing a Module

Ask yourself:

Could others use this?

Seriously, is it abstracted enough?

Name module appropriately.

- *Namespace based on dependencies.*
- *Be clear, not clever.*
- *Should indicate what module does.*

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.

Name	Scheduled name	Start State	End State	Content Types	Operations
Publish and Unpublish	publish_and_unpublish	Published	Unpublished	Article Media Item Product	View Delete
Publish and Archive	publish_and_archive	Published	Archived	Article	View Delete
Not Schedules					

Home » Administration » Configuration » Workbench » Workbench Schedules

Workbench Schedules

Schedule Name *

A user friendly name. Only used for admin purposes.

Start State *

Select the state to be set when a node reaches its 'start date'

End State *

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.

Workbench Scheduler

Select a schedule for changing moderation states.

NAME	START STATE	END STATE
<input type="radio"/> No Schedules		
<input type="radio"/> Publish and Archive	Published	Archived
<input type="radio"/> Publish and Unpublish	Published	Unpublished

SCHEDULE DATES

Select the start, start and end dates to trigger state changes for this node.

Start date

Date Time
E.g., 2013-10-10 E.g., 18:30

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

End date

Date Time
E.g., 2013-10-10 E.g., 18:30

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

Maintainers for Workbench Scheduler

[mikemiles86](#) – 12 commits
last: 2 weeks ago, first: 1 year ago

[lpeabody](#) – 2 commits
last: 1 month ago, first: 1 month ago

[partdigital](#) – 8 commits
last: 1 month ago, first: 5 months ago

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Issues for Workbench Scheduler

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[Advanced search](#)

All issues

8 open, 41 total

Bug report

1 open, 15 total

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Provide a detailed description.

- *Explain what module does and does not do.*
- *Outline any dependencies.*
- *Help fellow R.E.A.D-ers.*

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.

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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:

- [workbench moderation](#)
- [Date](#)
- [Date_popup](#)

The screenshot displays the 'Workbench Schedules' configuration page. At the top, there is a table listing existing schedules:

NAME	WORKBENCH NAME	START STATE	END STATE	CONTENT TYPES	OPERATIONS
Publish and Unpublish	publish_and_unpublish	Approved	Unapproved	Article Basic page Product	Edit Delete
Publish and Archive	publish_and_archive	Approved	Archived	Article	Edit Delete

Below the table is a form to create a new schedule:

- Schedule Name:** A text input field with a red asterisk, labeled 'A user friendly name. Only used for admin purposes'.
- Start State:** A dropdown menu with a red asterisk, labeled 'Select the state to be set when a node reaches its "start date"'.
- End State:** A dropdown menu with a red asterisk, labeled 'Select the state to be set when a node reaches its "end date"'.
- Content Types:** Radio buttons for 'article', 'page', and 'product', labeled 'Select the content types that can use this schedule'.
- Save:** A button to save the schedule.

The bottom section, 'SCHEDULE DATES', allows setting specific dates:

- Start date:** Fields for Date and Time, with an example 'E.g., 2010-10-10 E.g., 18:30'. Labeled 'Select the date to switch this node to the scheduled "start state"'. There is a 'Time' dropdown.
- End date:** Fields for Date and Time, with an example 'E.g., 2015-10-10 E.g., 18:30'. Labeled 'Select the date to switch this node to the scheduled "end state"'. There is a 'Time' dropdown.

Be a good maintainer.

- *Bugs are badges not bruises.*
- *Participate in the issue queue.*
- *Update, release and improve.*

Maintainers for Workbench Scheduler

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Issues for Workbench Scheduler

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Search

[Advanced search](#)

All issues

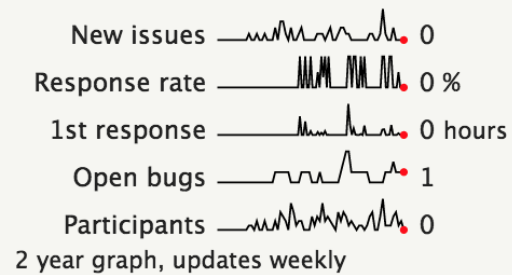
[8 open](#), [41 total](#)

Bug report

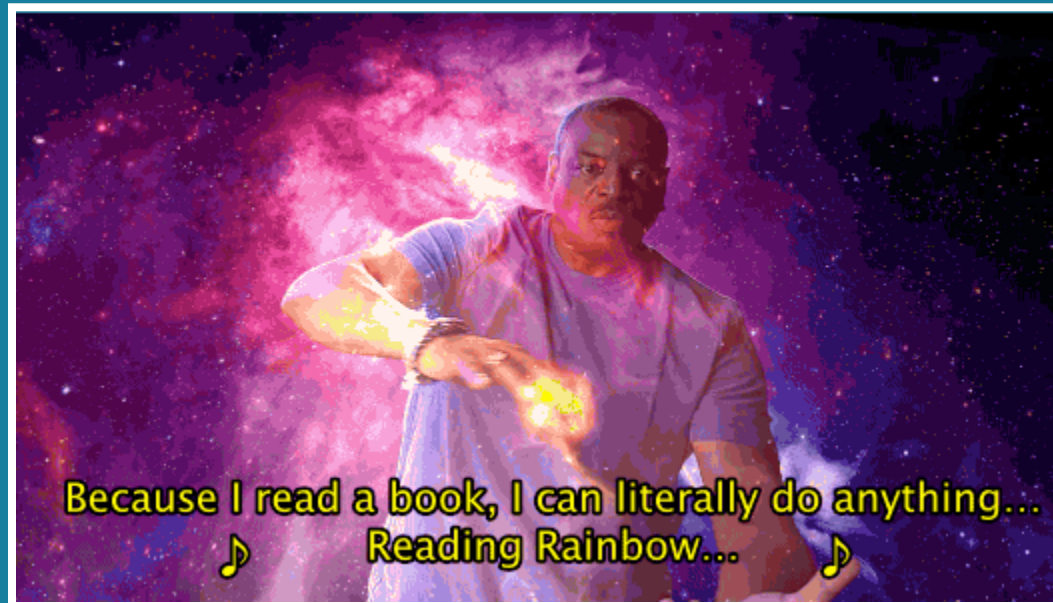
[1 open](#), [15 total](#)

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Statistics



Let's review



Remember to R.E.A.D

Research what exists.

Evaluate the options.

Analyze the gap.

Determine amount of change.

bit.ly/drupalREAD

Sprint Sunday 09:00-17:00

The Nerderly, 300 N Elizabeth St., Suite 500C

<http://2015.midcamp.org/schedule>

Learn through contribution

**Contributors of all skill sets and levels are
welcome and encouraged**

Feedback

<https://joind.in/talk/view/13791>

Speaker Name: @mikemiles86

#MidCamp

Thank You!

