

R.E.A.D

How to select the right modules

<https://2015.midcamp.org/node/1106>

Florida Drupal Camp 2015

#fldc15

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.*
- *Real world examples of R.E.AD*
- *Basics of a patch & Basics of a custom module.*

Michael Miles

From: Boston, MA

Work: **Genuine** @WeAreGenuine(.com)

Exp: Working with Drupal since 2008.

Recently named an Acquia M.V.P

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

All the Places: mikemiles86

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

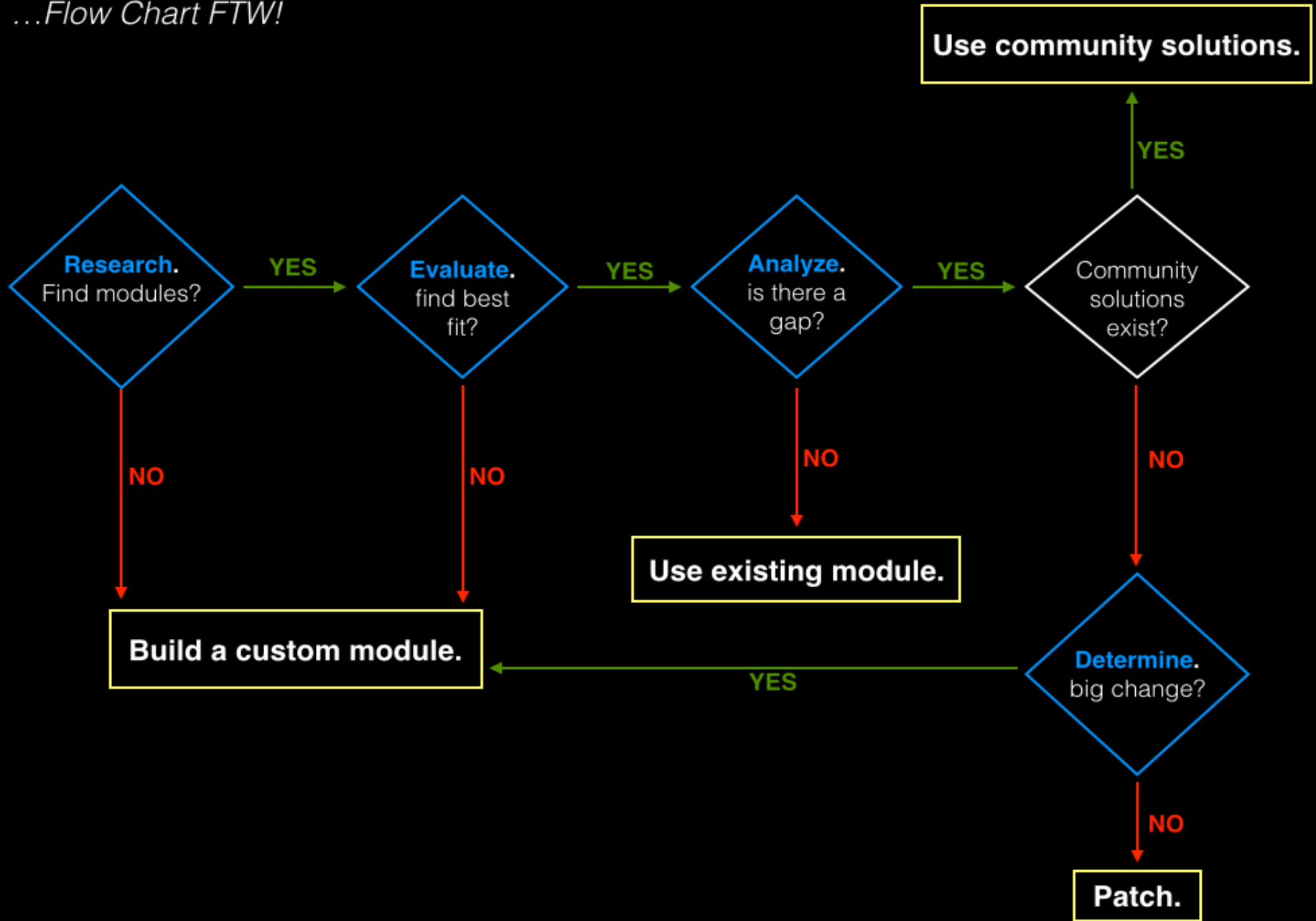
- *How much code to rewrite?*
- *How much code to add?*
- *How much time is there?*

Extend or Alter

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

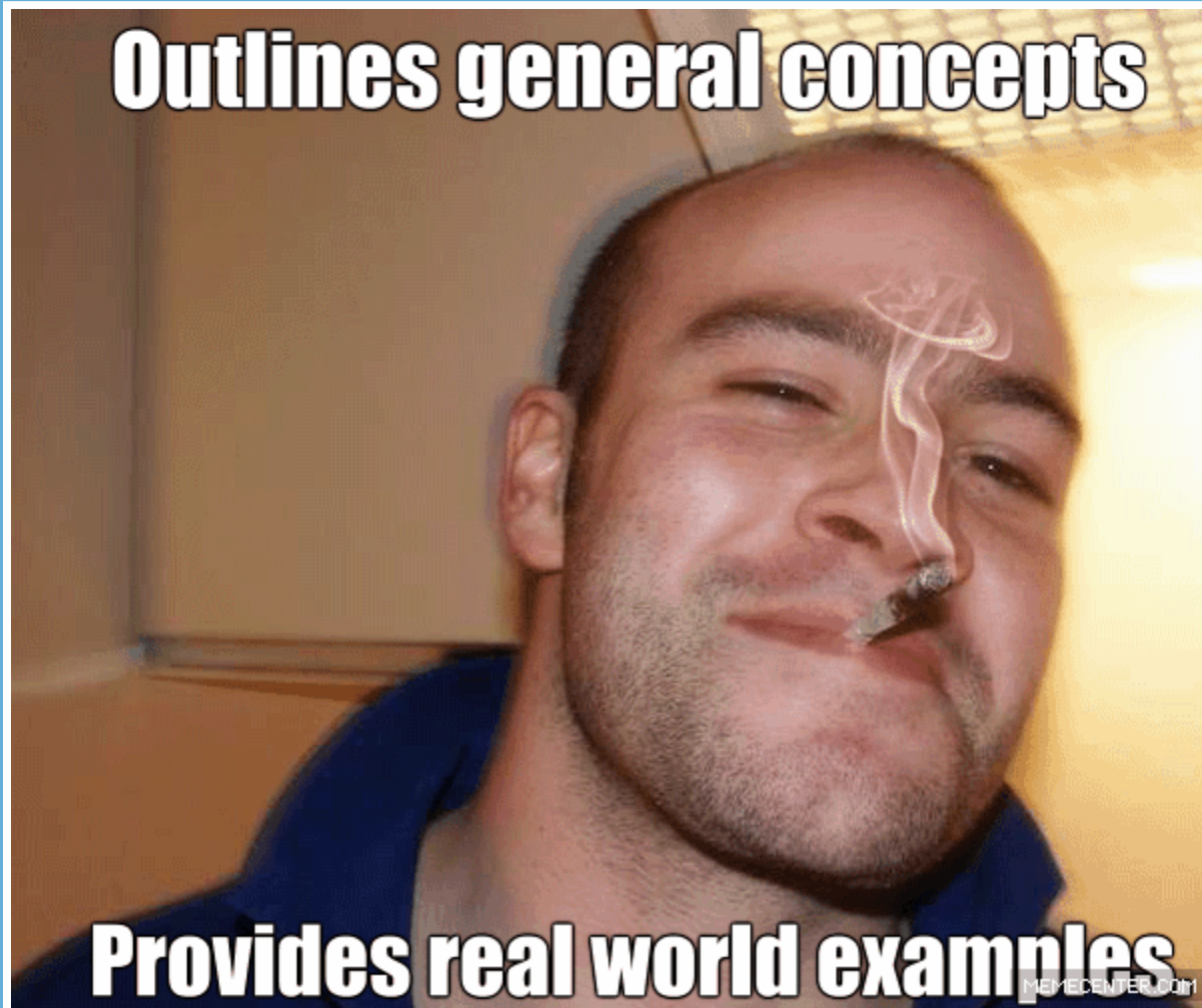
- Review module code.
- Estimate effort.
- Extend or alter?

...Flow Chart FTW!



Examples

Outlines general concepts



Provides real world 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

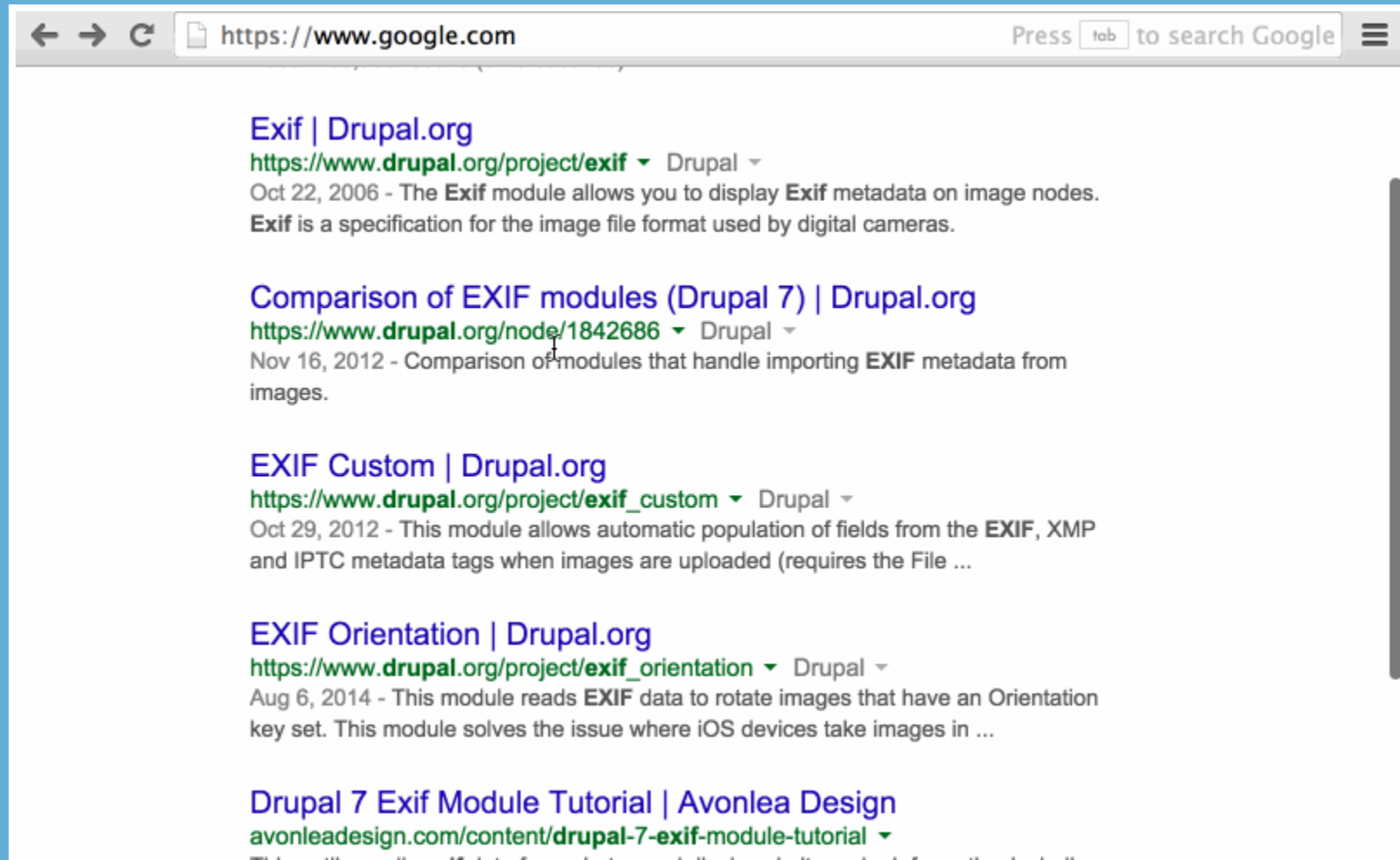
Isolate Keywords

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 results are as follows:

- 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**
https://www.drupal.org/project/exif_custom ▾ Drupal ▾
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 ▾
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 ...
- 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.

[Advanced search](#)

All issues

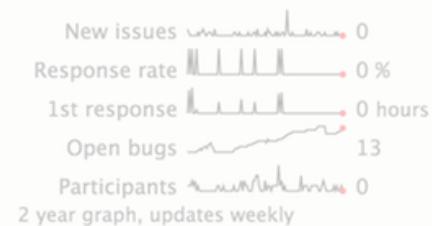
[23 open, 51 total](#)

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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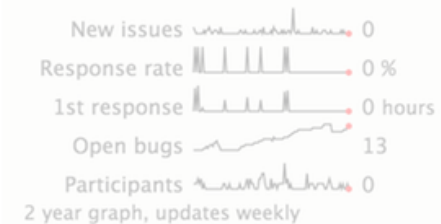
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Look at Maintainer Activity

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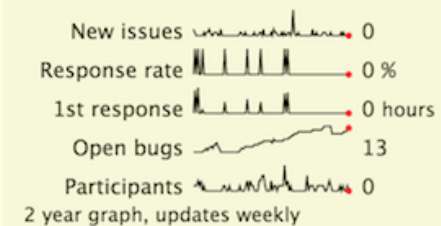
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Statistics



Analyze the Gap

Download and Test the Module

▼ **BASIC EXIF**

Asset Name

Global Franchise Organisation

Franchise Category

Brand

Sub-brand


Language

Region

..

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

[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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Issues for EXIF Custom

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[Search](#)

[Advanced search](#)

All issues
23 open, 51 total

Bug report
13 open, 31 total

[Subscribe via e-mail](#)

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.*

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](#) Credit commented *about a year 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](#)

Closed (fixed)

Project: EXIF Custom

Version: 7.x-1.13

Component: Code

Priority: Normal

Category: Feature request

Assigned: Unassigned

[Update this issue](#)

Last updated on Feb 4, 2014 at 9:40am

[Following](#) 4 followers

Jump to:

[Most recent comment](#)

[Most recent attachment](#)

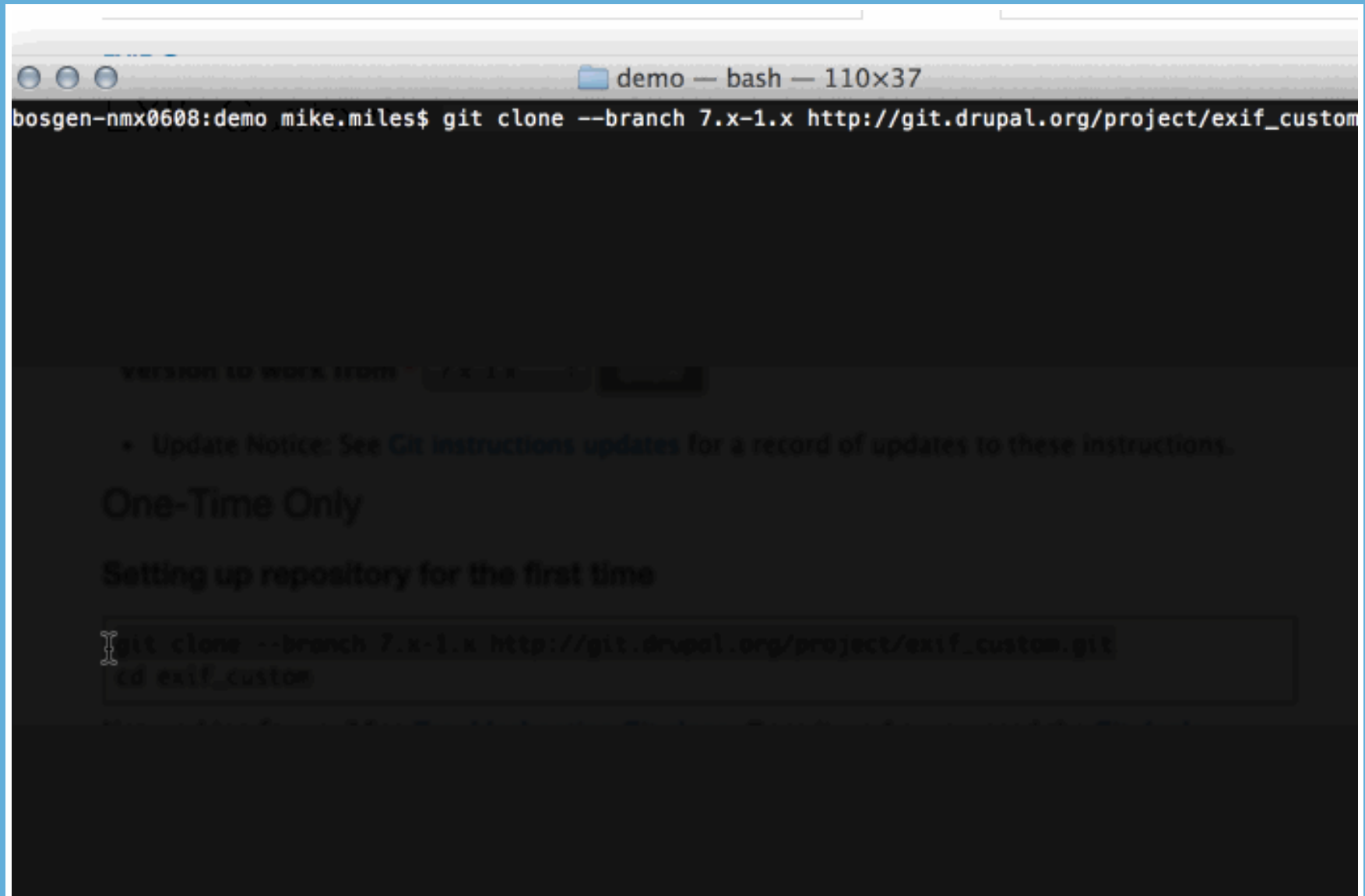
[Add new comment](#)

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.



```
demo — bash — 110x37
bosgen-nmx0608:demo mike.miles$ git clone --branch 7.x-1.x http://git.drupal.org/project/exif_custom
```

WELCOME TO YOUR NEW REPO

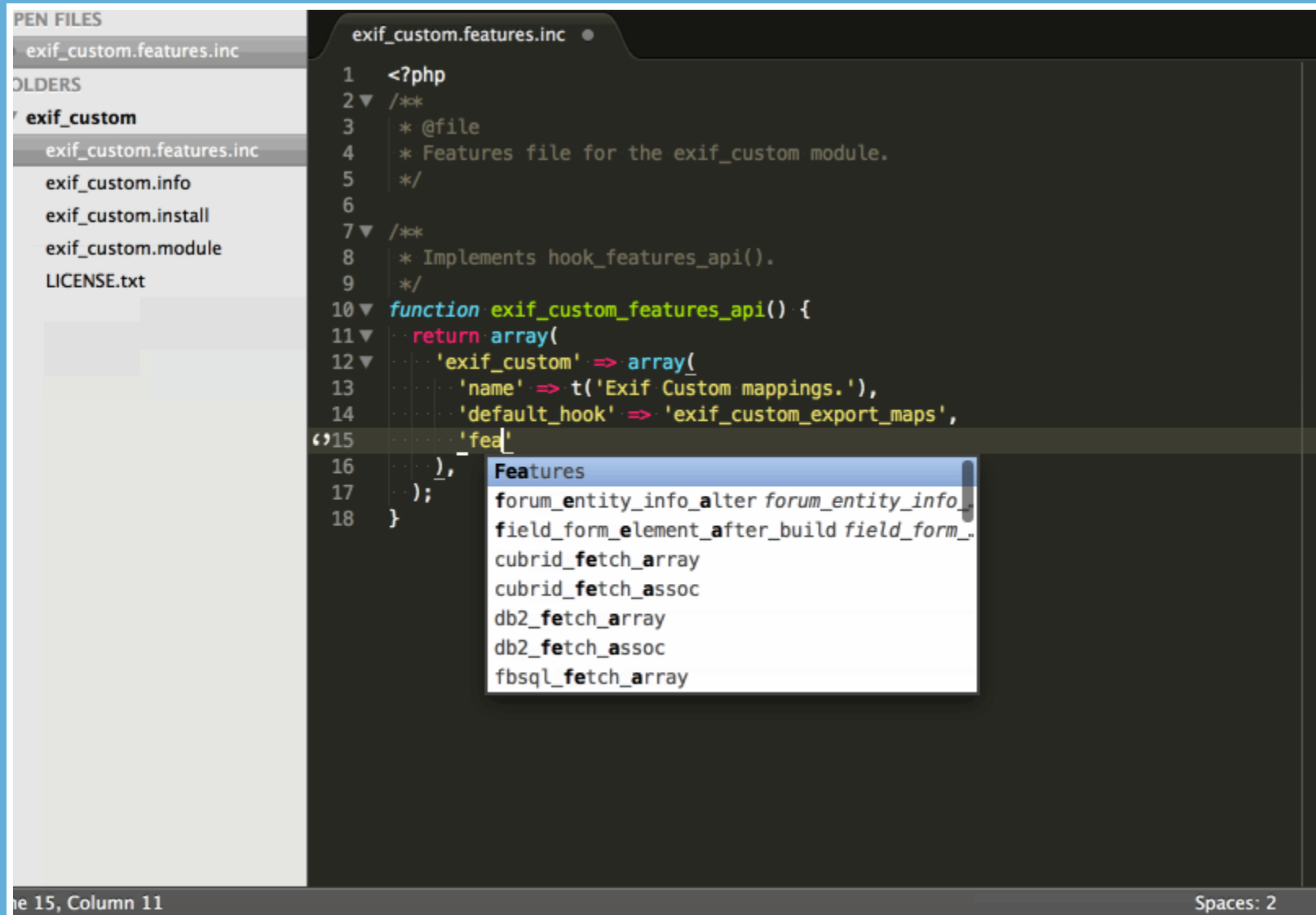
- Update Notice: See [Git instructions updates](#) for a record of updates to these instructions.

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.



```
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       'fea
16     ),
17   );
18 }
```

Features

- forum_entity_info_alter forum_entity_info_
- field_form_element_after_build field_form_.
- cubrid_fetch_array
- cubrid_fetch_assoc
- db2_fetch_array
- db2_fetch_assoc
- fbsql_fetch_array

Line 15, Column 11 Spaces: 2

Test your changes.

Name

Machine name: jjbos_media
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

▶ ADVANCED OPTIONS

Download feature

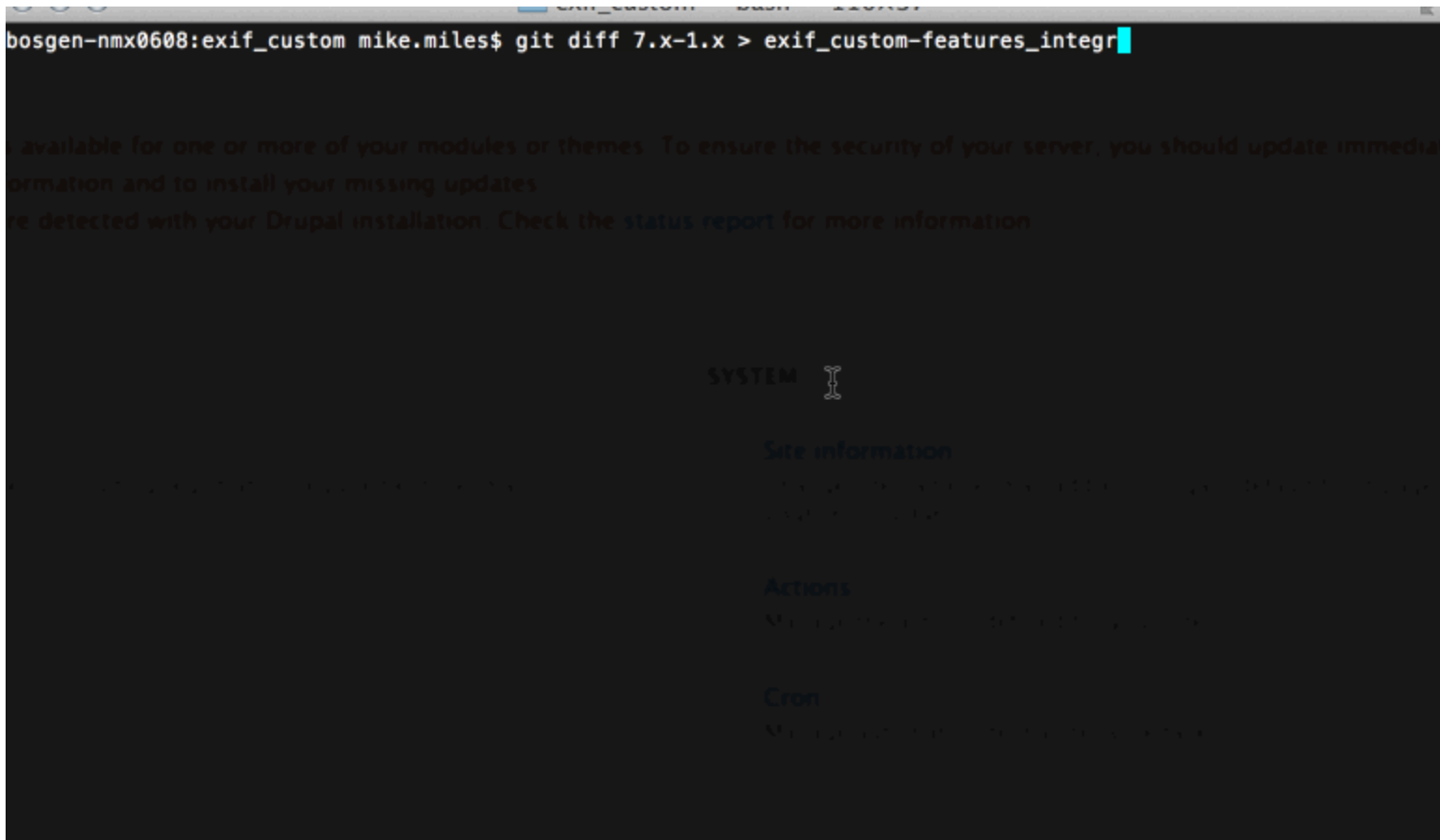
Expand each component section and select which items should be included in this feature export.

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 (203)** (dependencies)
 - Brightcove Chaos tools Date Display Suite
 - Custom EXIF mapping Features Field Group
 - File entity Image List Media Options
 - Page manager Panelizer Strongarm Taxonomy
- ▶ **DISPLAY SUITE VIEW MODES (0)** (ds_view_modes)
- ▶ **ENTITYQUEUE (2)** (entityqueue_queue)
- ▶ **EXIF CUSTOM MAPPINGS (0)** (exif_custom)
 - All Exif Fields
- ▶ **FEATURE OVERRIDES (22)** (feature_override_items)

Generate patch file.

```
bosgen-nmx0608:exif_custom mike.miles$ git diff 7.x-1.x > exif_custom-features_integr
```



The screenshot shows a terminal window with a dark background. At the top, the prompt is `bosgen-nmx0608:exif_custom mike.miles$`. The command `git diff 7.x-1.x > exif_custom-features_integr` is entered. Below the command, there is a large block of text that is mostly illegible due to low contrast. However, some text is visible, including "available for one or more of your modules or themes. To ensure the security of your server, you should update immediately" and "ormation and to install your missing updates". Further down, the word "SYSTEM" is visible in all caps, followed by a vertical bar icon. Below this, there are sections for "Site information", "Actions", and "Cron", each followed by a vertical bar icon. The text is very faint and difficult to read.

```
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 a web browser window with the URL <https://www.drupal.org/search/site/workbench%20schedule>. The search bar contains the text "workbench schedule" and a green "Search" button. The navigation bar includes links for "Drupal Homepage", "Your Dashboard", "Logged in as mikemiles86", and "Log out", along with a "Refine your search" link. A message states "Found 16007 results containing the words: workbench schedule". A "Sort by" dropdown menu is set to "Relevancy". The first search result is titled "Scheduler Workbench Integration", posted by "wwhurley" on April 23, 2013. 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. On the right side, there are sections for "Search again" (with a search bar containing "workbench schedule"), "or filter by..." (with a list of filters including "All (10645)", "Forums & Issues (983)", "Modules (456)", "Documentation (330)", "Groups (20)", and "Themes (7)"), and "or search for..." (with links for "IRC Nicks" and "Users").

← → ↻ <https://www.drupal.org/search/site/workbench%20schedule>

workbench schedule

Search

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

Found 16007 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, ...

Search again

workbench schedule

or filter by...

All (10645)

Forums & Issues (983)

Modules (456)

Documentation (330)

Groups (20)

Themes (7)

or search for...

IRC Nicks

Users

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](#)
[View commits](#)

Issues for Scheduler Workbench Integration

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

[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*

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

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- [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.](#)
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Maintainers for Scheduler Workbench Integration

[wwhurley](#) – 2 commits
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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*

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

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Thanks

Sponsored by [Forum One Communications](#)

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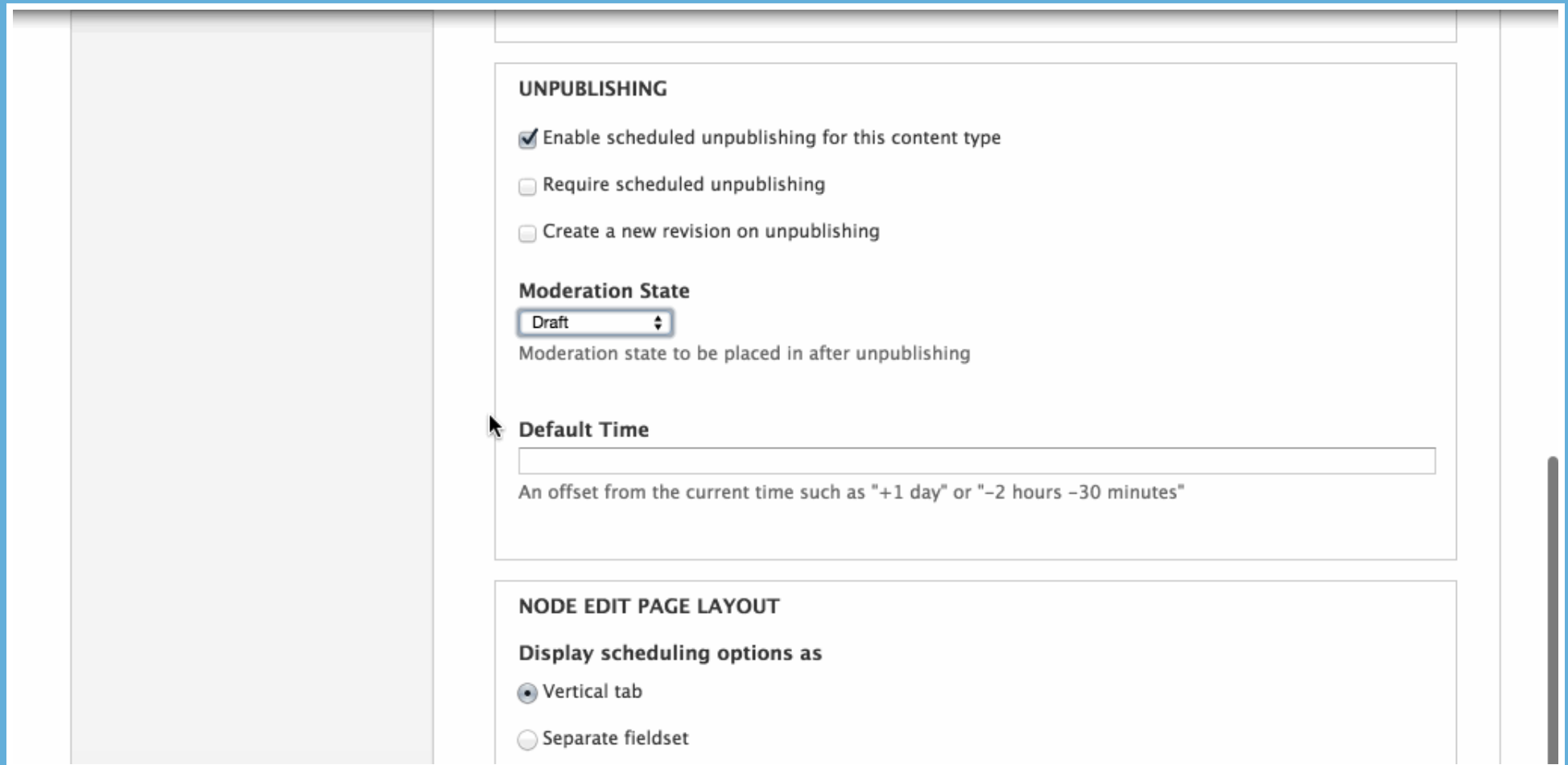
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Analyze the Gap

Download and Test the Module



The image shows a screenshot of a Drupal configuration page. The page is divided into two main sections: 'UNPUBLISHING' and 'NODE EDIT PAGE LAYOUT'. The 'UNPUBLISHING' section contains three checkboxes: 'Enable scheduled unpublishing for this content type' (checked), 'Require scheduled unpublishing' (unchecked), and 'Create a new revision on unpublishing' (unchecked). Below these is a 'Moderation State' dropdown menu set to 'Draft', with a description 'Moderation state to be placed in after unpublishing'. The 'Default Time' section has an empty text input field and a description 'An offset from the current time such as "+1 day" or "-2 hours -30 minutes"'. The 'NODE EDIT PAGE LAYOUT' section has a heading 'Display scheduling options as' and two radio buttons: 'Vertical tab' (selected) and 'Separate fieldset' (unselected).

UNPUBLISHING

- Enable scheduled unpublishing for this content type
- Require scheduled unpublishing
- Create a new revision on unpublishing

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"

NODE EDIT PAGE LAYOUT

Display scheduling options as

- Vertical tab
- Separate fieldset

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.*

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:

The screenshot shows the 'Workbench Scheduler' configuration page. It includes a table of existing schedules and a form to create a new one. The form has fields for 'Schedule Name', 'Start State', 'End State', and 'Content Types'. Below the form, there are sections for 'New settings' and 'SCHEDULE CRITERIA' with date pickers for start and end dates.

Maintainers for Workbench Scheduler

[mikemiles86](#) – 12 commits
last: 3 weeks ago, first: 1 year ago

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

[partdigital](#) – 8 commits
last: 2 months ago, first: 6 months ago

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Issues for Workbench Scheduler

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All issues

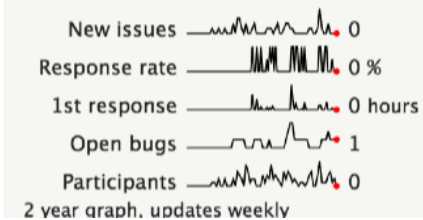
8 open, 41 total

Bug report

1 open, 15 total

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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.

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

Name	Scheduled name	Start State	End State	Content Types	Actions
Publish and Unpublish	publish_and_unpublish	Published	Unpublished	Article, Page, 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 or 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](#)

Workbench Schedules

NAME	MODERATION NAME	START STATE	END STATE	CONTENT TYPES	OPERATIONS
publish_and_unpublish	publish_and_unpublish	Approved	Unpublished	Article Basic page Product	Edit Delete
publish_and_archive	publish_and_archive	Approved	Archived	Article	Edit Delete

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 *

Select the content types that can use this schedule

Save

Workbench Scheduler

Select a schedule for changing moderation states.

NAME	START STATE	END STATE
No Schedule		
publish_and_archive	Published	Archived
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., 2010-10-10 E.g., 18:30
Select the date to switch this node to the scheduled 'start state'

End date

Date Time
E.g., 2015-10-10 E.g., 18:30
Select the date to switch this node to the scheduled 'end state'

Be a good maintainer.

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

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

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

Search

[Advanced search](#)

All issues

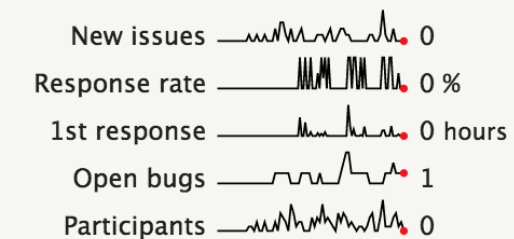
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Bug report

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

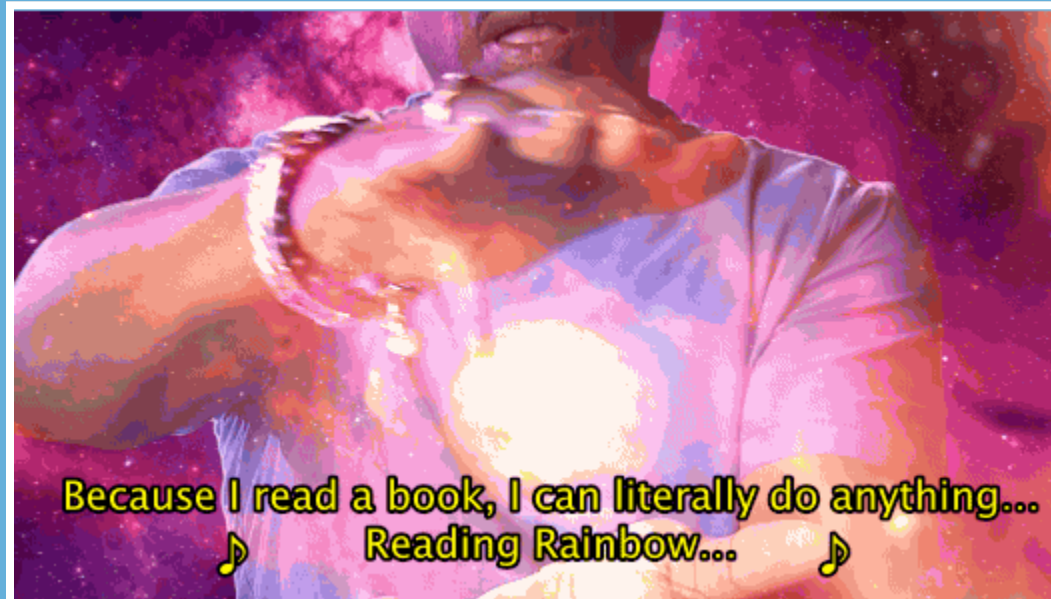
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Statistics



2 year graph, updates weekly

Let's review



Remember to R.E.A.D

Research what exists.

Evaluate the options.

Analyze the gap.

Determine amount of change.

Slides & Notes

- bit.ly/fldcREAD
- bit.ly/fldcREADslides
- bit.ly/drupalREAD

Feedback

@mikemiles86

#fldc15

Thank You!

