



45 Modules in 45 minutes

Flyover Camp 2019
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IOWA STATE UNIVERSITY



DrupalCorn
Camp

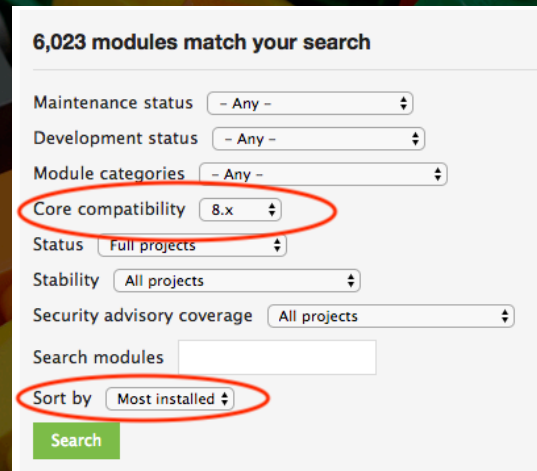
@jrearick bobbis.com



- * Iowa State University - Drupal one-click install D8 sites for faculty
- * DrupalCorn Camp - Iowa Drupal camp. Planning just starting for Fall camp
- *

Source

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



6,023 modules match your search

Maintenance status

Development status

Module categories

Core compatibility

Status

Stability

Security advisory coverage

Search modules

Sort by

Caveat: most installed comes from the combined number of installed across all versions.

This presentation will take some liberties by skipping modules that are not as popular in D8 as they were in D8. In that case, I just keep going down the list. (anyone have a better way to get a list sorted by D8 installs instead of total installs?)

0

Example



This is a short description of the module. More useful information may be in the presenter notes or other people at the talk.



<https://www.drupal.org/project/example>

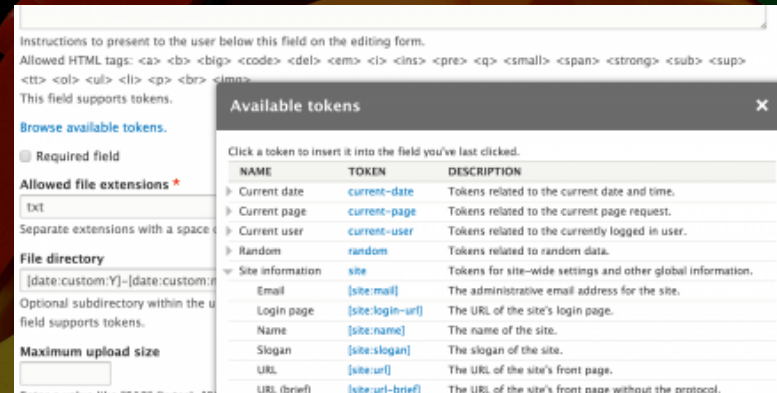
60

- Note the counter at the top left to keep track of what module we are on
- Note the Warning in the top right showing if there is not a supported D8 release
- Description
- Image
- URL
- Countdown timer

1

Token

Provides additional tokens not supported by core (most notably fields), as well as a UI for browsing tokens.



<https://www.drupal.org/project/token>

60

- * Token browser for easy use
- * Node fields are accessible to use
- *

2

Chaos tool Suite (ctools)

This suite is primarily a set of APIs and tools to improve the developer experience.

Was required for almost every D7 site. Not so much D8

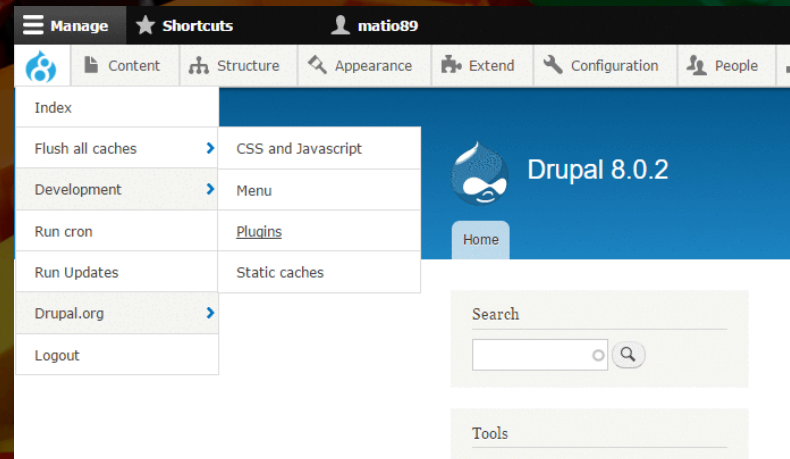
<https://www.drupal.org/project/ctools>

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Numbers skewed by the overwhelming popularity in D7.

Admin Toolbar

Admin Toolbar intends to improve the default Drupal Toolbar to transform it into a drop-down menu, providing a fast access to all administration pages.



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

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* Makes navigating the admin menu quicker

Pathauto

The Pathauto module automatically generates URL/path aliases for various kinds of content without requiring the user to manually specify the path alias. This allows you to have URL aliases like /category/my-node-title instead of /node/123.



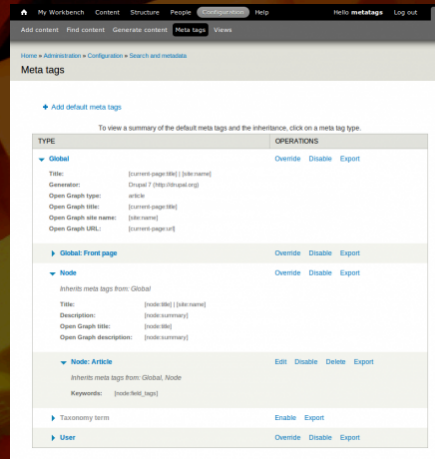
<https://www.drupal.org/project/pathauto>

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- * Set patterns for nodes or taxonomy terms to set paths
- * Instead of /node/123 the alias will automatically be /blog/2019-06/my-blog-post-title-here
- * No brainer, install this

Metatag

The Metatag module allows you to automatically provide structured metadata, aka "meta tags", about a website. The module provides support for meta tags that allow control of how content appears when shared on social networks.



<https://www.drupal.org/project/metatag>

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- * Provides metatag support on the content type or node level
- * Useful for things like hinting to Facebook what image to use when sharing
- * Twitter cards, open graph, noindex, etc

6

Entity Reference Revisions

Adds a Entity Reference field type with revision support.

It's based on the core Entity Reference module but allows you to reference a specific entity. This is useful for modules like Paragraphs and maybe in the future for modules like Inline Entity Form and Field Collection.

A common usecase is where an entity is actually part of a parent entity (with an embedded entity form). When the parent entity is updated, the referenced entity is also updated, thus the previous revision of the parent entity should still be pointing to the previous version of the entity to fully support revision diff and rollback.

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

* ㄟ(ㄣ)_/_ Taking a bit of brain power to follow this

* required by paragraphs, so entity references can be revisioned properly so rollback works as expected

Paragraphs

Instead of putting all their content in one WYSIWYG body field including images and videos, end-users can now choose on-the-fly between pre-defined Paragraph Types independent from one another. Paragraph Types can be anything you want from a simple text block or image to a complex and configurable slideshow.



<https://www.drupal.org/project/paragraphs>

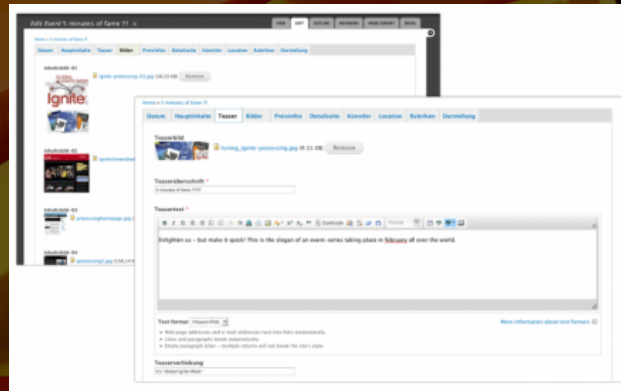
60

- * Componentized page building (before there was core layout builder)
- * Able to move embed entities in a node and re-arrange and nest them to create interesting pages
- * UI not as user-friendly as layout builder

Field Group



Fieldgroup will, as the name implies, group fields together. All fieldable entities will have the possibility to add groups to wrap their fields together. Fieldgroup comes with default HTML wrappers like vertical tabs, horizontal tabs, accordions, fieldsets or div wrappers.



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

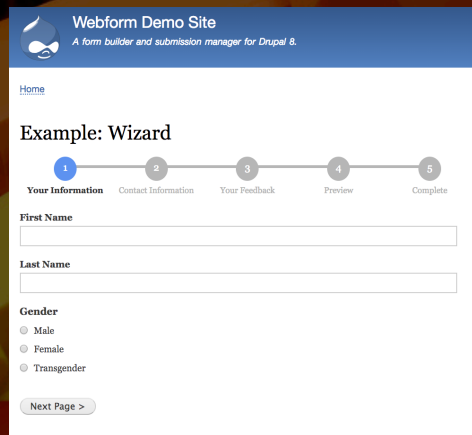
60

rc-1

- * Group fields into tabs, fieldsets, accordions, plain old divs or whatever
- * Make for managing form sprawl on node forms a little nicer
- * Great for nodes with a lot of fields

Webform

Webform is the module for making forms and surveys in Drupal. After a submission customizable e-mails can be sent to administrators and/or submitters. Results can be exported into Excel or other spreadsheet applications. Webform also provides some basic statistical review and has an extensive API for expanding its features.



The screenshot shows the 'Webform Demo Site' interface. At the top, there's a blue header with the site name and tagline 'A form builder and submission manager for Drupal 8.' Below the header, a navigation bar includes a 'Home' link. The main content area is titled 'Example: Wizard' and features a progress indicator with five steps: 1. Your Information (active), 2. Contact Information, 3. Your Feedback, 4. Preview, and 5. Complete. The 'Your Information' step contains three input fields: 'First Name', 'Last Name', and 'Gender'. The 'Gender' field has three radio button options: 'Male', 'Female', and 'Transgender'. At the bottom of the form, there is a 'Next Page >' button.

<https://www.drupal.org/project/webform>

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Brand new, rewritten from ground up

Not nodes! (for performance - tons of fields on nodes is a lot of overhead)

Made for collecting data, not for content!

webform_views for limited views support

Redirect

- Common API for loading, saving, and deleting redirects.
- Case-insensitive redirect matching with a hook to allow other modules to narrow-down the candidate redirects.
- Redirect counter and last used timestamp, with automatic cleanup of inactive redirects.
- Integration with Drupal's page cache to optimize redirects and performance.
- Complete individual redirect access API.
- Views API integration.

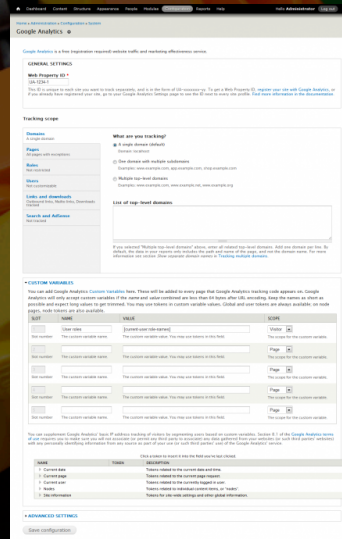
<https://www.drupal.org/project/redirect>

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- * Pretty much a must-have.
- * redirect things like /node/123 to /my/friendly-alias
- * See when redirects are happening and how often
- * Mange redirects for nodes. eg. /forms/collect-information-for-campaign-123 can have a redirect from /free-trial
- * Case correction

Google Analytics

Adds the Google Analytics web statistics tracking system to your website.

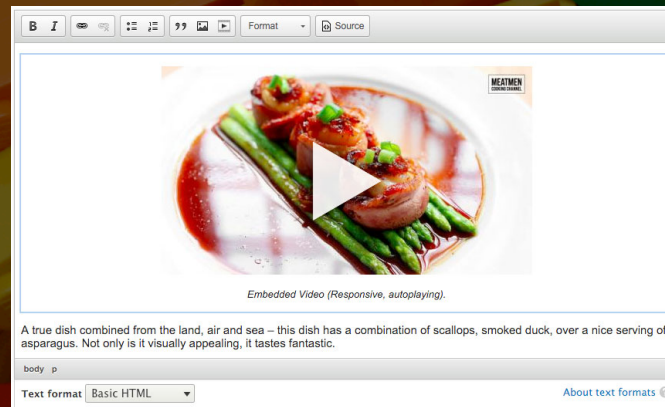


https://www.drupal.org/project/google_analytics

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Video Embed Field

Video Embed field creates a simple field type that allows you to embed videos from YouTube and Vimeo and show their thumbnail previews simply by entering the video's url.



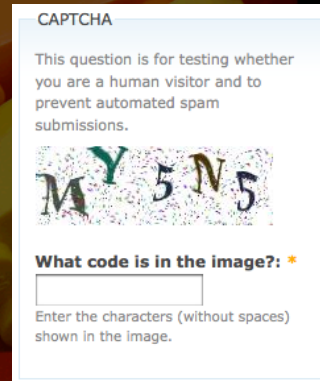
https://www.drupal.org/project/video_embed_field

Simple, easy to use embed a video into your site. Either a field or wysiwyg button.
not part of extensive media management system

CAPTCHA



The purpose of CAPTCHA is to block form submissions by spambots, which are automated scripts that post spam content everywhere they can. The CAPTCHA module provides this feature to virtually any user facing web form on a Drupal site.



<https://www.drupal.org/project/captcha>

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beta-1

Used as a base for other CAPTCHA options like reCAPTCHA

"Completely Automated Public Turing test to tell Computers and Humans Apart"

Devel

A suite of modules containing fun for module developers and themers...

- Helper function for Developers
- Kint for pretty print variables
- Generate Content
- Profiler
- Devel Node Access (separate module)

<https://www.drupal.org/project/devel>




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Maybe don't put it on production...

Inline Entity Form



Provides a widget for inline management of referenced entities. The primary use case is the parent -> children one (product display -> products, order -> line items, etc.), where the child entities are never managed outside the parent form. Existing entities can also be referenced.

Image	Capacity	SKU	Price	Operations
	8MB	USB-BLU-08	\$11.99	Edit Delete
	16MB	USB-BLU-16	\$17.99	Edit Delete
	32MB	USB-BLU-32	\$29.99	Edit Delete

[Add new variation](#)

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

rc-1

Seems abandoned in D8 world. Was really useful for commerce in D7

Entity Browser

Goal of this module is to provide a generic entity browser/picker/selector. It can be used in any context where one needs to select few entities and do something with them.



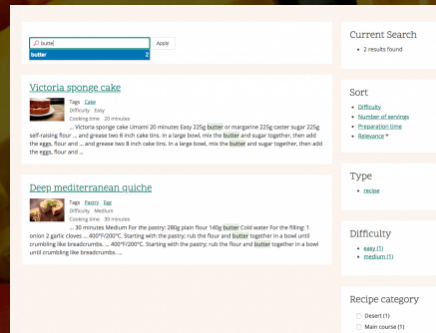
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https://www.drupal.org/project/entity_browser

Can be used as an entity reference widget, wysiwyg embedding (see entity embed later)

Search API

This module provides a framework for easily creating searches on any entity known to Drupal, using any kind of search engine. For site administrators, it is a great alternative to other search solutions, since it already incorporates faceting support and the ability to use the Views module for displaying search results, filters, etc. Also, with the Apache Solr integration, a high-performance search engine is available for this module.



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

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- * When you're ready to graduate from core search module.
- * Use elastic search or solr, etc for fast awesome search

Entity API



This module extends the entity API of Drupal core in order to provide a unified way to deal with entities and their properties. Additionally, it provides an entity CRUD controller, which helps simplifying the creation of new entity types.

- The Drupal 8 core Entity API is significantly improved, so most of the features provided by the Drupal 7 version are already present in Drupal core.
- The Drupal 8 version of the Entity API module is used for improvements to Drupal 8's Entity API which will be moved to Drupal core one day (development ongoing)

<https://www.drupal.org/project/entity>

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rc-2

Was wildly popular in D7. Usually not needed in D8. Kind of a testing bed for entity stuff that will eventually wind up in core?

Mail System

Provides an Administrative UI and Developers API for managing the used mail backend/
plugin.

MAIL SYSTEM SETTINGS

Drupal provides a default `MailSystemInterface` class called `DefaultMailSystem`. Modules may provide additional classes. Each `MailSystemInterface` class may be associated with one or more identifiers, composed of a *module* and an optional *key*. Each email being sent also has a *module* and a *key*. To decide which class to use, Drupal uses the following search order:

1. The class associated with the *module* and *key*, if any.
2. The class associated with the *module*, if any.
3. The site-wide default `MailSystemInterface` class.

Site-wide default `MailSystemInterface` class

DefaultMailSystem

NEW CLASS

Create a new `MailSystemInterface` that inherits its methods from other classes. The new class will be named after the other classes it uses.

Class to use for the `format()` method

--Select--

Class to use for the `mail()` method

--Select--

NEW SETTING

Add a new *module* and *key* to the settings list.

Module

--Select--

Key

Save settings

<https://www.drupal.org/project/mailexpress>

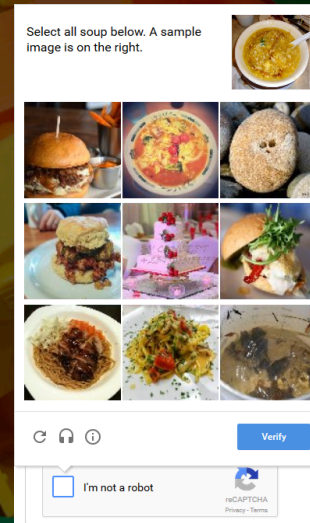
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Allows to use different backends for formatting and sending e-mails by default, per module and per mail key. Additionally, a theme can be configured that is used for sent mails. In Drupal 7, that must be enabled for each template, in Drupal 8, it works reliably for any template being rendered while building and sending e-mails.

Eg. <https://drupal.org/project/swiftmailer> library.

reCAPTCHA

Uses the Google reCAPTCHA web service to improve the CAPTCHA system. It is tough on bots and easy on humans.



<https://www.drupal.org/project/recaptcha>

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requires CAPTCHA module mentioned earlier

Crop API



Provides basic API for image cropping. This module won't do much by itself. Users should pick one of UI modules that utilize this API.

<https://www.drupal.org/project/crop>

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rc-1

* https://www.drupal.org/project/image_widget_crop

* https://www.drupal.org/project/focal_point

*

Simple XML sitemap

Every webpage needs an automatic XML sitemap generator for SEO reasons. This module aims to be a replacement for the xmlsitemap module for Drupal 8. Its functionality differs from xmlsitemap

```
- <urlset>
  - <url>
    <loc>http://www.gbyte.co
    <priority>1 </priority>
  </url>
```

60

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

- * XML sitemap - barbones
- * works with multilingual
- * SEO!

xmlsitemap is still beta, but may be more feature rich.

xmlsitemap is a Dave Reid module. Simple XML sitemap is not.

Embed

A framework module to embed things using the Drupal 8 WYSIWYG editor.

<https://www.drupal.org/project/embed>

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Framework module, no ui. Used by Entity Embed and URL Embed.

Dave Reid

Libraries API



This module introduces a common repository for libraries in sites/all/libraries for contributed modules.

Though Drupal 8 core has introduced improved library management tools (libraries.yml and unified library loading) it still does not offer a solution for handling external library dependencies that may be shared across multiple extensions. As a result this remains the primary problem space for the Libraries API module.

<https://www.drupal.org/project/libraries>

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Alpha1

External libraries

Denotes libraries ("plugins") that are neither shipped nor packaged with a project on drupal.org. We do not want to host third-party libraries on drupal.org for a multitude of reasons, starting with licensing, proceeding to different release cycles, and not necessarily ending with fatal errors due to conflicts of having the same library installed in multiple versions.

Twig Tweak

Twig Tweak is a small module which provides a Twig extension with some useful functions and filters that can improve development experience.



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

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* Adds additional helpers for twig templates

*

Entity Embed



Entity Embed allows any entity to be embedded within a text area using a WYSIWYG editor.



60

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

beta3

Most people have moved to using Paragraphs or layout builder instead of WYSIWYG architecture.

Better Exposed Filters



The Better Exposed Filters module replaces the Views' default single- or multi-select boxes with radio buttons or checkboxes, respectively. Description fields and Select All/None links can be added to exposed filters to make for a better user experience.

☐ **Unlock operator** ▶
When checked, the operator will be exposed to the user.

Filter identifier:
field_letters_value_many_to_one
This will appear in the URL after the ? to identify this filter. Cannot be blank.

Label:
Which animals?

Description:
Limit your search by the following animals.

Display exposed filter as:
Checkboxes/Radio Buttons ▼
Select a format for the exposed filter. The "Hidden" option is generally used for multi-step filters. Note: If "Force single" is checked, radio buttons will be used. If "Force single" is unchecked, checkboxes will be used.

☒ **Optional**
This exposed filter is optional and will have added options to allow it not to be set.

☐ **Force single**
Force this exposed filter to accept only one option.

☐ **Remember**
Remember the last setting the user gave this filter.

☐ **Limit list to selected items**
If checked, the only items presented to the user will be the ones selected here.

☒ **Add select all/none links**
Add a "Select All/None" link when rendering the exposed filter using checkboxes. NOTE: The link is built at page load, so it will not appear in the "Live Preview" which is loaded dynamically.

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

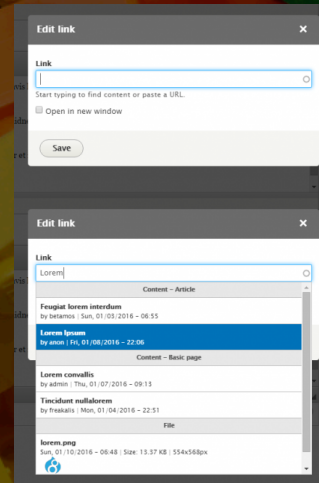
60

Alpha 6

In November of 2017, the original author and long time maintainer of the Better Exposed Filters module Mike Keran (mikeker) was diagnosed with an inoperable cancer. He died on January 1st, 2018. Mike was an amazing human, and his death is a great loss to us all. He gave selflessly of his time to several communities including Drupal, and he brought his joy and passion with him everywhere. In honor of his memory, and in order to ensure that Mike's contributions to Drupal are maintained, several members of the Seattle Drupal community have gotten together and offered to be the maintainers of BEF. We intend to advance the D8 branch where we can, and to manage bug fixes and security patches for D7 as needed. Please be patient with us while we work to understand Mike's intent and the code he left behind.

Linkit

Linkit provides an easy interface for internal and external linking with wysiwyg editors by using an autocomplete field.



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<https://www.drupal.org/project/linkit>

4.3 is stable. 5.x is beta8

- * Link to other nodes in your CKEditor with autocomplete

- *

Honeypot

Honeypot uses both the honeypot and timestamp methods of deterring spam bots from completing forms on your Drupal site. These methods are effective against many spam bots, and are not as intrusive as CAPTCHAs or other methods which punish the user.



A circular timer graphic with a black outline and a white center. The number '60' is written in a large, bold, black font in the center. The background of the timer is a dark, textured surface.

<https://www.drupal.org/project/honeypot>

* Hidden way to detect bots that doesn't interfere with real users

Configuration Update Manager

The Configuration Update Manager project contains a base module and a reporting module.

The report module supplements the core Configuration Manager module, by providing a report that allows you to see the differences between the configuration items provided by the current versions of your installed modules, themes, and install profile, and the configuration on your site. The report is available from the administration UI, or via Drush commands.

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

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- * Used by the features module

- * Not sure what most people would need this for

The main use case is: You update a module, and it has either changed default config that it provides, or added new config items. You want to be able to import the new items, view the differences between the site config and the changed config, and possibly "revert" (or it may be an update) to the newly-provided default config.

IMCE

The screenshot shows the File Browser interface with the following components:

- Navigation Panel:** Shows a tree view of the file system with folders like <root>, 2007, bbx, buedtar-sprites, css, ctools, dddfg, defx, directories, 1-1204314645, flash, and
- File List:** A table listing files with columns for Name, Size, Width, Height, and Date. The file '14_0.jpg' is highlighted in blue.
- File Resizing Dialog:** A modal dialog box titled 'Width x Height: 264 x 218' with a 'Resize' button and a checkbox for 'Create a new image'.
- Success Message:** A green checkmark and the text 'File resizing successful: 14_0.jpg.' are displayed below the file list.
- Image Preview:** A large image of a bulldog's face is shown at the bottom of the interface.

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<https://www.drupal.org/project/imce>

File browser. Do this only if you hate everything

Address

Provides functionality for storing, validating and displaying international postal addresses.

<https://www.drupal.org/project/address>

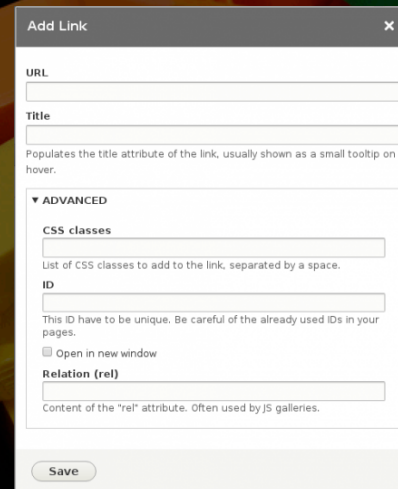
60

- * Has composer dependency. Really should only be installed with a composer managed project. Used in Drupal Commerce
- * Don't have to do all the work of trying to put together your own address fields
- *

D8 Editor Advanced link

Enhances the link Dialog in D8 CKEditor.

Allows to define the following attributes: title, class, id, target, rel



Add Link [X]

URL
[Text Field]

Title
[Text Field]
Populates the title attribute of the link, usually shown as a small tooltip on hover.

▼ ADVANCED

CSS classes
[Text Field]
List of CSS classes to add to the link, separated by a space.

ID
[Text Field]
This ID have to be unique. Be careful of the already used IDs in your pages.

☐ Open in new window

Relation (rel)
[Text Field]
Content of the "rel" attribute. Often used by JS galleries.

Save

60

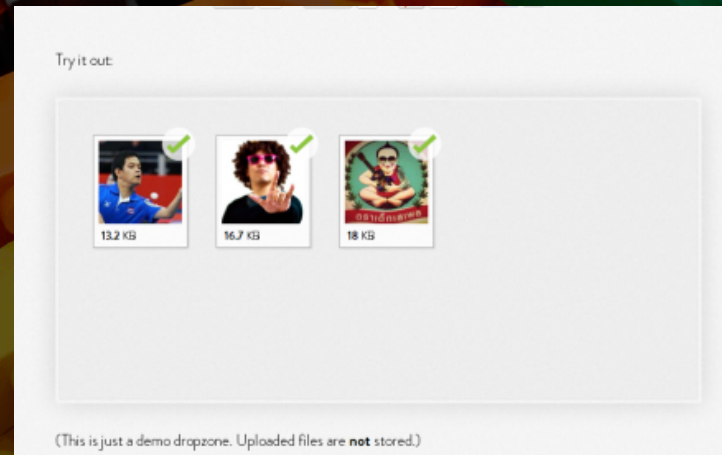
https://www.drupal.org/project/editor_advanced_link

* CKEditor link button with all the bells and whistles

dropzonejs



Drupal integration for DropzoneJS - an open source library that provides drag'n'drop file uploads with image previews.



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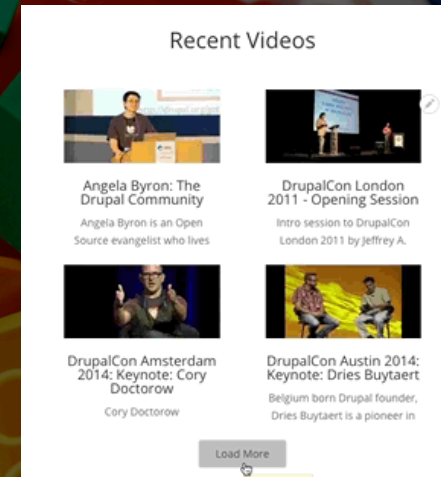
<https://www.drupal.org/project/dropzonejs>

alpha4 December 2017

* Drag and Drop to image filed

Views Infinite Scroll

Views infinite scroll allows you to load and display pages of any view inline, using AJAX (this has been called infinite scrolling, load more, autopaging, endless pages and more). The pager can be triggered with the press of a button or automatically as the user scrolls to the bottom of the view's content.



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

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* Sort of like twitter, it keeps loading results as you scroll down.

Backup and Migrate

Back up and restore your Drupal MySQL database, code, and files or migrate a site between environments. Backup and Migrate supports gzip, bzip and zip compression as well as automatic scheduled backups.



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

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There is a stable Drupal 8 release with *basic* backup and restore functionality. In other words, many of the features in version 7.x-3.x are missing. (And many of the modules that enhance Backup and Migrate doesn't have stable Drupal 8 releases.)

Blazy



Provides integration with bLazy to lazy load and multi-serve images to save bandwidth and server requests. The user will have faster load times and save data usage if they don't browse the whole page.



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<https://www.drupal.org/project/blazy>

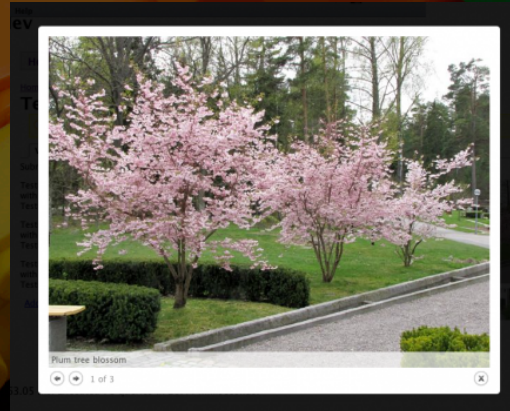
rc3

Seeking co-maintainers, but updated in September.

Blazy is a pure JS library. Required

Colorbox

Colorbox is a light-weight customizable lightbox plugin for jQuery. This module allows for integration of Colorbox into Drupal. Images, iframed or inline content etc. can be displayed in a overlay above the current page.



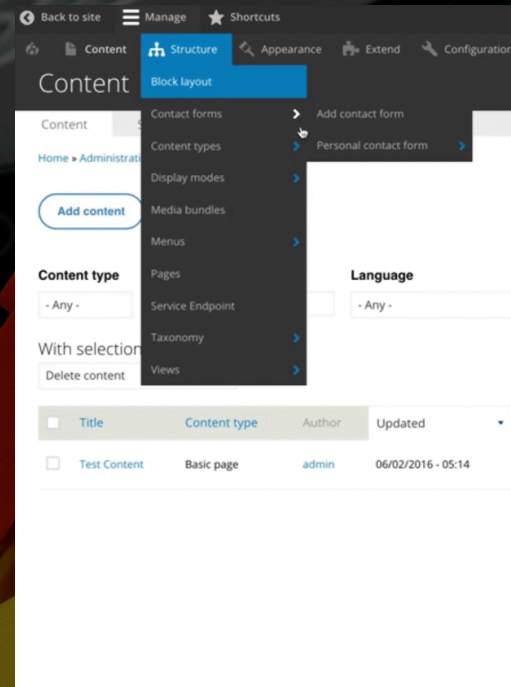
<https://www.drupal.org/project/colorbox>

60

- * Has composer dependency. Really should only be installed with a composer managed project. Used in Drupal Commerce
- * Field formatter to display a modal slideshow

Adminimal Admin Toolbar

It provides a minimalist style to Admin Toolbar for Drupal 8.



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

60

- * Has composer dependency. Really should only be installed with a composer managed project. Used in Drupal Commerce
- * Field formatter to display a modal slideshow

Display Suite

Display Suite allows you to take full control over how your content is displayed using a drag and drop interface. Arrange your nodes, views, comments, user data etc. the way you want without having to work your way through dozens of template files. A predefined list of layouts is available for even more drag and drop fun!

FIELD	REGION	LABEL	FORMAT
Left			
Author	Left	<Hidden>	Author
Body	Left	<Hidden>	Default
Right			
Tags	Right	<Hidden>	View mode: Taggy
Post date	Right	<Hidden>	Long
Disabled			
Read more	Disabled	<Hidden>	Default
User picture	Disabled	<Hidden>	Thumbnail
Comments	Disabled	<Hidden>	Default

<https://www.drupal.org/project/ds>

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- * Simple ability to re-arrange fields and layouts
- * Lots of this functionality has been moving into core

SMTP Authentication Support



This module allows Drupal to bypass the PHP mail() function and send email directly to an SMTP server. The module supports SMTP authentication and can even connect to servers using SSL if supported by PHP.

<https://www.drupal.org/project/smtp>

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beta4.

Most web hosts can't send email reliably because of poor configuration and issues with white/black/gray-listing. Best to use a known email service to send.

Config Filter

Configuration Filter swaps the `config.storage.sync` service from Drupal 8 core. The new service wraps the file storage and applies filters to it.

This allows other modules to change the configuration as it gets imported or exported both in the Drupal UI and with drush.

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

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Slick Carousel

Slick is a powerful and performant slideshow/carousel solution leveraging Ken Wheeler's Slick carousel. See <http://kenwheeler.github.io/slick>



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<https://www.drupal.org/project/slick>

- * Requires Slick Library
- * Reminder <http://shouldiuseacarousel.com/>
- * See also https://www.drupal.org/project/slick_views

*

Panels

The Panels module allows a site administrator to create customized layouts for multiple uses. At its core it is a drag and drop content manager that lets you visually design a layout and place content within that layout. Integration with other systems allows you to create nodes that use this, landing pages that use this, and even override system pages such as taxonomy and the node page so that you can customize the layout of your site with very fine grained permissions.

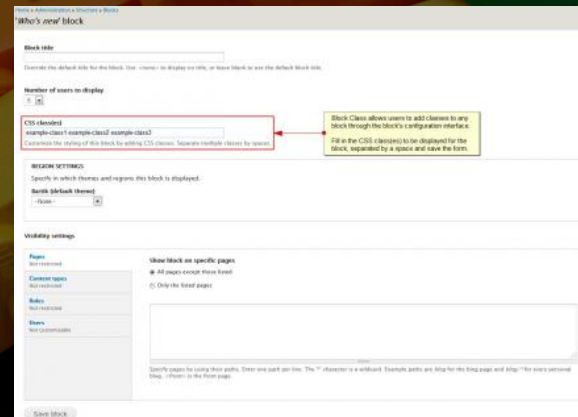
Panels is an API in Drupal 8, Used by Page Manager and Panelizer

<https://www.drupal.org/project/panels>

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Block Class

Block Class allows users to add classes to any block through the block's configuration interface. By adding a very short snippet of PHP to a theme's block.tpl.php file, classes can be added to the parent `<div class="block ...">` element of a block. Hooray for more powerful block theming!



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

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* Simple, when editing a block, you can add CSS classes.



Only 7,130* modules left

**What other Drupal 8 modules
do you find helpful?**

*As of 3 pm on 05-30-2019

https://www.drupal.org/project/editor_file File button for CKEditor

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

<https://www.drupal.org/project/markup> Markup field type. Helpful for building friendly node forms

https://www.drupal.org/project/menu_admin_per_menu Permissions on a per-menu level

https://www.drupal.org/project/override_node_options permissions to be set to each field within the Authoring information and Publishing options field sets on the node form.

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

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

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