

Making Views with Drupal 7 and Drupal 8

The Views module is a powerful tool. It gives site builders and site managers enormous control over displaying their content. But **flexing the full power of views can be daunting.**

In this session, we'll take a practical look at the difference between Views in Drupal 7 as a contributed module, and views in Drupal 8, now that it is in core.

We'll look at some of the Advanced features in views, and find out how we can get more out of our content using the full slice and dice capacity of the views module, with help from some of it's friends.

We'll conclude with an overview of the Views ecosystem, with pointers on where to go next to go **from Views beginner, to Views master.**

[illegible]

Donna Benjamin



Project Lead - **Catalyst IT Australia**

Board Member - **Drupal Association**

Board Member - **Open Australia Foundation**

@kattekrab

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Outline

- Introduction.
 - So. What's a view?
 - What's the difference between Views for Drupal 7 and Drupal 8?
 - What's hiding under that “advanced” heading?
 - The Views ecosystem.
 - Where to get more info?
 - Questions and wrap up.



Introduction



List maker

@kattekkrab





Content Slice & Dice

Let's make a view in Drupal 7

demo

Now, let's do the same in Drupal 8

demo



**What was
different?**

Views

Drupal 7

[+ Add new view](#) [+ Add view from template](#) [+ Import](#)

VIEW NAME	DESCRIPTION
Archive Displays: <i>Block, Page</i> In code Type: Content	Display a list of mon... content for that mon...
Backlinks	Displays a list of nod...

Views

Drupal 8

List

Settings

[+ Add view](#)

Filter by view name or description

Enabled

VIEW NAME	DESCRIPTION	TAG	PATH
Content Displays: <i>Page</i> Machine name: content	Find and manage content.	default	/admin/co
Custom block			

Save.... and?

☐ Create a block

Save & exit Continue & edit Cancel

Drupal 7

BLOCK SETTINGS
☐ Create a block

Save and edit Cancel

Drupal 8

D7 - Theme: Information

The screenshot displays the Drupal 7 administration interface, specifically the 'Structure' tab for a 'Page' entity. The interface is divided into several sections for configuring the page's structure and appearance.

Navigation Bar: Dashboard, Content, Structure (active), Appearance, People, Modules, Configuration, Reports, Help. User: Hello admin, Log out.

Structure Settings:

- TITLE:** Title: None
- FORMAT:** Format: Unformatted list | Settings. Show: Content | Teaser
- FIELDS:** The selected style or row format does not utilize fields.
- FILTER CRITERIA:** Add. Content: Published or admin
- SORT CRITERIA:** Add. Content: Sticky (desc), Content: Post date (desc)

PAGE SETTINGS:

- Path: /taxonomy/term/%
- Menu: No menu
- Access: Permission | View published content
- HEADER:** Add
- FOOTER:** Add
- PAGER:** Use pager: Full | Paged, 10 items. More link: No

Advanced Settings (highlighted with a red box):

- CONTEXTUAL FILTERS:** Add. Content: Has taxonomy term ID (with depth), Content: Has taxonomy term ID depth modifier
- RELATIONSHIPS:** Add
- NO RESULTS BEHAVIOR:** Add
- EXPOSED FORM:** Exposed form in block: No. Exposed form style: Basic | Settings
- OTHER:** Machine Name: page, Comment: No comment, Use AJAX: No, Hide attachments in summary: No, Hide contextual links: No, Use aggregation: No, Query settings: Settings, Field Language: Current user's language, Caching: None, CSS class: None, Theme: Information

Page: Theming information

This section lists all possible templates for the display plugin and for the style plugins, ordered roughly from the least specific to the most specific. The active template for each plugin -- which is the most specific template found on the system -- is highlighted in bold.

Bartik

Change theme

- **Display output:** **views-view.tpl.php**, views-view--taxonomy-term.tpl.php, views-view--default.tpl.php, views-view--page.tpl.php, views-view--taxonomy-term--page.tpl.php
- **Style output:** **views-view-unformatted.tpl.php**, views-view-unformatted--taxonomy-term.tpl.php, views-view-unformatted--default.tpl.php, views-view-unformatted--default.tpl.php, views-view-unformatted--page.tpl.php, views-view-unformatted--taxonomy-term--page.tpl.php
- **Row style output:** **views-view.tpl.php**, views-view--taxonomy-term.tpl.php, views-view--default.tpl.php, views-view--default.tpl.php, views-view--page.tpl.php, views-view--taxonomy-term--page.tpl.php

Rescan template files

Important! When adding, removing, or renaming template files, it is necessary to make Drupal aware of the changes by making it rescan the files on your system. By clicking this button you clear Drupal's theme registry and thereby trigger this rescanning process. The highlighted templates above will then reflect the new state of your system.

Ok

Page: Theming information

This section lists all possible templates for the display plugin and for the style plugins, ordered roughly from the least specific to the most specific. The active template for each plugin -- which is the most specific template found on the system -- is highlighted in bold.

Bartik

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- **Style output:** **views-view-unformatted.tpl.php**, views-view-unformatted--taxonomy-term.tpl.php, views-view-unformatted--default.tpl.php, views-view-unformatted--default.tpl.php, views-view-unformatted--page.tpl.php, views-view-unformatted--taxonomy-term--page.tpl.php
- **Row style output:** **views-view.tpl.php**, views-view--taxonomy-term.tpl.php, views-view--default.tpl.php, views-view--default.tpl.php, views-view--page.tpl.php, views-view--taxonomy-term--page.tpl.php

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Ok


```

<?php

/**
 * @file
 * Main view template.
 *
 * Variables available:
 * - $classes_array: An array of classes determined in
 *   template_preprocess_views_view(). Default classes are:
 *   .view
 *   .view-[css_name]
 *   .view-id-[view_name]
 *   .view-display-id-[display_name]
 *   .view-dom-id-[dom_id]
 * - $classes: A string version of $classes_array for use in
the class attribute
 * - $css_name: A css-safe version of the view name.
 * - $css_class: The user-specified classes names, if any
 * - $header: The view header
 * - $footer: The view footer
 * - $rows: The results of the view query, if any
 * - $empty: The empty text to display if the view is empty
 * - $pager: The pager next/prev links to display, if any
 * - $exposed: Exposed widget form/info to display
 * - $feed_icon: Feed icon to display, if any
 * - $more: A link to view more, if any
 *
 * @ingroup views_templates
 */
?>

```

Drupal 8

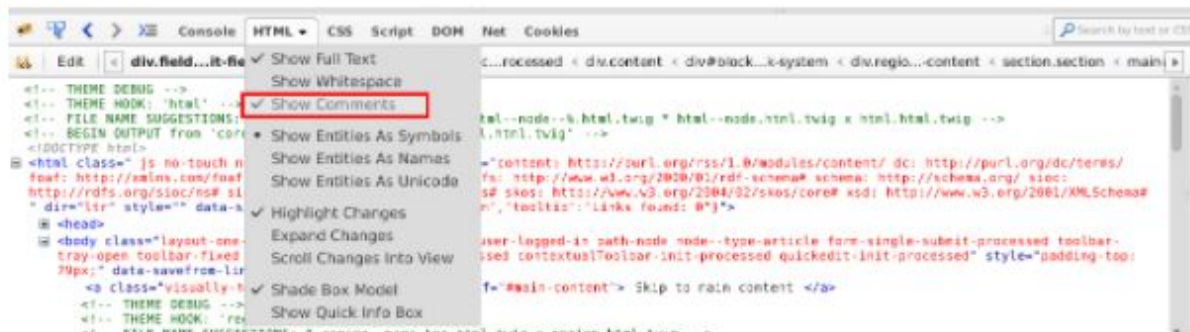
Enable debugging

You enable Twig Debugging in `sites/default/services.yml` .
(If `services.yml` does not yet exist; copy `default.services.yml` and copy it to `services.yml` .)

Set the debug variable to **true**.

```
parameters:
  twig.config:
    debug: true
```

If you are using Firebug (in Firefox) make sure that "Show Comments" is enabled or **view page source** directly:



```
GNU nano 2.2.6      Demo (Ubuntu 14.04) (Moodle) [Running]      File: services.yml      Modified

# For more information about debugging Twig templates, see
# https://www.drupal.org/node/1906392.
#
# Not recommended in production environments
# @default false
debug: true
# Twig auto-reload:
#
# Automatically recompile Twig templates whenever the source code changes.
# If you don't provide a value for auto_reload, it will be determined
# based on the value of debug.
#
# Not recommended in production environments
# @default null
auto_reload: null
# Twig cache:
#
# By default, Twig templates will be compiled and stored in the filesystem
# to increase performance. Disabling the Twig cache will recompile the
# templates from source each time they are used. In most cases the
# auto_reload setting above should be enabled rather than disabling the
# Twig cache.
#
# Not recommended in production environments
# @default true

^G Get Help      ^O WriteOut     ^R Read File    ^Y Prev Page    ^K Cut Text      ^C Cur Pos
^X Exit          ^J Justify      ^W Where Is     ^V Next Page    ^U UnCut Text    ^T To Spell
```


Other differences



In Drupal 8 Core now
also uses views for
admin listings.

The Field language
setting has been
removed.

No longer need the
advanced help module to
access supporting info.
Plus there's a tour!



Views settings

Displays

- Page
- Feed
- Attachment
- Block
- embed
- entity reference

Views settings 1

Displays

Page

+ Add

▼ Page details

Display name: Page

TITLE

Title: Making Views in D7

FORMAT

Format: Unformatted list | Settings

Show: Content | Teaser

FIELDS

The selected style or row format does not utilize fields.

FILTER CRITERIA

Add ▼

Content: Published (Yes)

SORT CRITERIA

Add ▼

Content: Post date (desc)

Drupal 7

Displays

Page

+ Add

Display name: Page

Drupal 8

TITLE

Title: Making Views in D8

FORMAT

Format: Unformatted list | Settings

Show: Content | Teaser

FIELDS

The selected style or row format does not use fields.

FILTER CRITERIA

Add ▼

Content: Publishing status (= Yes)

Content: Content type (= Article)

SORT CRITERIA

Add ▼

Content: Authored on (desc)

Page: How should this view be styled

For All displays

- ☐ Grid
- ☐ HTML list
- ☐ Jump menu
- ☐ Table
- ☒ Unformatted list

If the style you choose has settings, be sure to click the settings button that will appear next to it in the View summary.

You may also adjust the [settings](#) for the currently selected style.

Apply (all displays) Cancel

Drupal 7

Format

Page: How should this view be styled

- ☐ Grid
- ☐ HTML List
- ☐ Table
- ☒ Unformatted list

If the style you choose has settings, be sure to click the settings button that will appear ne

You may also adjust the [settings](#) for the currently selected style.

Apply Cancel

Drupal 8

Views settings 2

PAGE SETTINGS

Path: [/frontpage](#)

Menu: [No menu](#)

Access: [Permission](#) | [View published content](#)

HEADER [Add](#)

FOOTER [Add](#)

PAGER

Use pager: [Full](#) | [Paged, 10 items](#)

More link: [No](#)

Drupal 7

PAGE SETTINGS

Path: [/node](#)

Menu: [No menu](#)

Access: [Permission](#) | [View published content](#)

HEADER [Add](#)

FOOTER [Add](#)

NO RESULTS BEHAVIOR [Add](#) ▼

[Global: Unfiltered text \(Global: Unfiltered text\)](#)

[Content: Empty Node Frontpage behavior \(Content: Empty Node Frontpage behavior\)](#)

[Global: Title override \(Global: Title override\)](#)

PAGER

Use pager: [Full](#) | [Paged, 10 items](#)

More link: [No](#)

Drupal 8

But wait!

There's more...

ADVANCED SLICE & DICE



- Multi-utility Function: Slicing / Shredding / Dicing / Peeling
- Cordless / Compact & Durable • Break Resistant Container
- ABS Plastic Material • High Quality Stainless Steel Blades

Advanced views settings

▼ Advanced

CONTEXTUAL FILTERS [Add](#)

RELATIONSHIPS [Add](#)

NO RESULTS BEHAVIOR [Add](#)

EXPOSED FORM

Exposed form in block: [No](#)

Exposed form style: [Basic](#) | [Settings](#)

OTHER

Machine Name: [page](#)

Comment: [No comment](#)

Use AJAX: [No](#)

Hide attachments in summary: [No](#)

Hide contextual links: [No](#)

Use aggregation: [No](#)

Query settings: [Settings](#)

Field Language: [Current user's language](#)

Caching: [None](#)

CSS class: [None](#)

Theme: [Information](#)

Drupal 7

▼ ADVANCED

CONTEXTUAL FILTERS [Add](#)

RELATIONSHIPS [Add](#)

EXPOSED FORM

Exposed form in block: [No](#)

Exposed form style: [Basic](#) | [Settings](#)

OTHER

Machine Name: [page_1](#)

Administrative comment: [None](#)

Use AJAX: [No](#)

Hide attachments in summary: [No](#)

Contextual links: [Shown](#)

Use aggregation: [No](#)

Query settings: [Settings](#)

Caching: [Tag based](#)

CSS class: [None](#)

Drupal 8

Gotchas

Security considerations. Don't use Views PHP. Just don't.

Performance issues.

- Views queries can be slow. Some high traffic sites don't use views at all.

Bugs, regressions, incomplete stuff.

Bug: When deleting a content type field, users do not realize the related View also is deleted <https://www.drupal.org/node/2468045>

Feature request/Regression: Re introduce revert functionality for views using the config system <https://www.drupal.org/node/1790398>

MOAR power with MOAR modules?

- [Views Slideshow](#)
- [Draggable Views](#)
- [Views Infinite Scroll](#)
- [Views Templates](#)
- [Views Block Area](#)
- [Views Field View](#)
- [Views Accordion](#)
- [Core Views Facets](#)
- [Better exposed filters](#)
- [Views data export](#)
- [Views details style plugin](#)
- [Views reference field](#)
- [Views entity reference filter](#)
- [Entity reference views select](#)
- [Taxonomy views integrator](#)
- [Taxonomy machine name](#)
- [Views advanced routing](#)
- [Views field formatter](#)
- [Responsive tables filter](#)
- [Views TimelineJS integration](#)
- [Views Bulk Operations](#)
- [Views vertical tabs style plugin](#)
- [Views load more](#)
- [Views photo grid](#)
- [Slick Views](#)
- [Entityqueue](#)
- [Views Send](#)
- [Flag](#)
- [Masonry Views](#)
- [Pagerer](#)
- [Webform Views Integrations](#)



Matthew Donadio

@mpdonadio

Following



@kattekrab As a developer, I use Views to empower site builders to build out functionality without needing to get a developer involved. :)

RETWEET

1

LIKES

4



11:54 AM - 25 Mar 2017



2



1



4



ifrik
@ifrik

Following



@kattekrab As sitebuilder I use views create admin pages or edit existing ones for future users, so that they can do their jobs easily.

LIKE

1



9:44 PM - 25 Mar 2017



1



1



Lyndsey Jackson

@ok_lyndsey

Following



@kattekrab Views actually allow "agile" approach coz you can change with client as they understand site & potential. Without blowing budget

LIKES

2



3:21 PM - 25 Mar 2017



2

Give me MOAR stuff about views!

Books

- [Mastering Views](#)
- [Drupal 7 Views Cookbook](#)
- [Drupal's Building Blocks](#)

Tutorials

- [Drupalize Me](#)
- [Drupal Easy](#)
- [Build a Module](#)
- [OS Training](#)

Documentation on Drupal.org

- [Views - Drupal User Guide](#)
- [D8 Core Modules - Views](#)
- [Issue Queues](#)

DrupalCon Sessions

- [The views field plugin in Drupal 8](#)

References / Image credits

References

- Addison Berry "[Learn Views in Drupal 8](#)" DrupalizeMe, 2016
- Pablo Castrillo "[10 Most critical Drupal security risks](#)" Cameron&Wilding, 2011
- Daniel Pickering "[Show Drupal 8 Content in Tabs, Using Views](#)" OStraining, 2017

Image credits

- "View collage" Google image search, 25 Mar 2017
- Calips "[The château de Villandry, vegetable garden](#)" Wikipedia, 2011
- "List collage" Google image search, 25 Mar 2017
- Cafuego/Scott Wilson "[Woman working on database schema](#)" Flickr, 2017
- [Slice and Dice](#) My Discount Store, 2017
- Other vegetables courtesy of Pixabay CCo



So what next?

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Thank you!