



**BALTIMORE**  
— DRUPALCON 2017 —

# Mastering Drupal 8 Views

Gregg Marshall  
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<http://bit.ly/D8Views>



Community Experience Distilled

## Mastering Drupal 8 Views

Accelerate your development process using Drupal 8 views through this advanced, practical guide

Foreword by Jeffrey A. "jam" McGuire - Evangelist, Developer Relations, Acquia

Gregg Marshall

[PACKT] open source  
PUBLISHING

Today

# Take Your Child to Work Day April 27, 2017

## Lab Experiments

9:00 - 10:30am  
FAES Laboratory,  
Building 60

## Science Fair

12:00 - 2:00pm  
FAES Terrace, Building 10

## Meet Local Children's Books Authors

12:00 - 2:30pm  
FAES Bookstore, Building 10



# About Gregg

>  
accenturedigital

Digital Technology Developer Manager  
(Drupal Architect)

drupal.org since 2006

1<sup>st</sup> DrupalCon 2010 San Francisco



Community Experience Distilled

## Mastering Drupal 8 Views

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[PACKT] open source\*  
PUBLISHING community experience distilled

# About Amanda

BS Business, CU Denver

Graduate certificate energy & sustainability, DU

Drupaleasy Academy graduate

drupal.org since 2008

1<sup>st</sup> DrupalCon 2017 Baltimore

Intern on a UN humanitarian response Drupal site

Looking for 1<sup>st</sup> Drupal developer job



DRUPALEASY



# Disclaimer

All content provided in this presentation is my personal opinion and for informational purposes only. I am speaking for myself. I am not presenting as a representative of my employers.

Neither my employers nor I make any representation regarding, and assumes no responsibility or liability for, the accuracy or completeness of, or any errors or omissions in, any information contained herein.



**Sam's**  
No. **3**

EST. 1927  
Denver, Co

HAMBURGERS

# What is Views?

Views == Views module

(before D8 <http://drupal.org/project/views>)

Creates dynamic lists

A “report writer”

View == a single list

# Why Views?

5 Most recent blog posts block

Manual

- Add blog post

- Edit block with title and link

Automatic (aka Views)

- Add blog post

- Block updates

# Views is in Drupal 8 Core

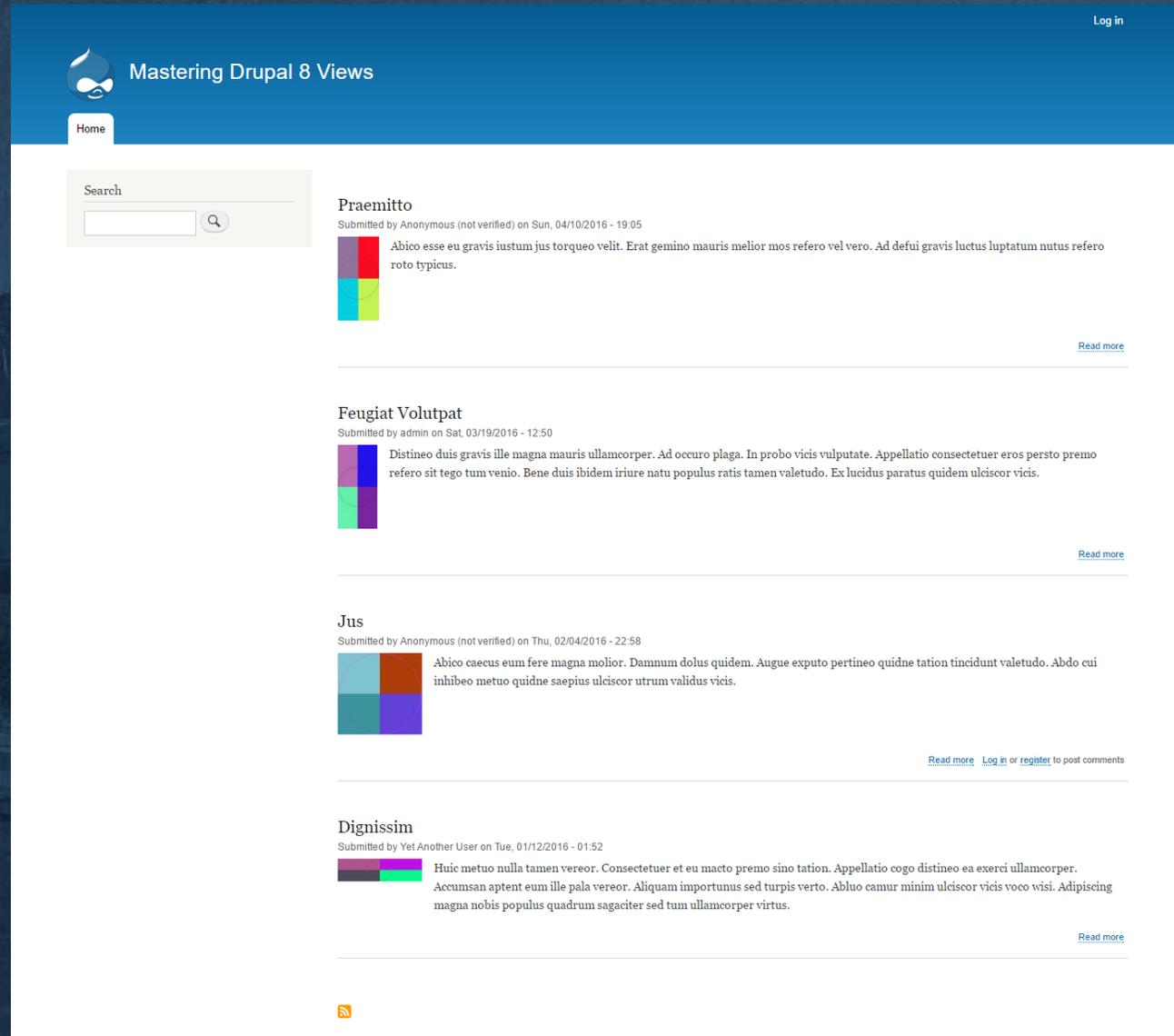
Views was #1 Drupal 7 contributed module

D7 required Views and CTools contributed modules

Front page and many Drupal administration pages are now views

# Drupal 8 Views Examples

## Front Page



The screenshot shows a Drupal 8 front page with a blue header. The header contains the site logo, the title "Mastering Drupal 8 Views", and a "Log in" link. Below the header is a "Home" button and a search box. The main content area displays a list of four article teasers, each with a colorful thumbnail, a title, a submission date and time, a short text snippet, and a "Read more" link. The teasers are: "Praemitto" (submitted by Anonymous on Sun, 04/10/2016 - 19:05), "Feugiat Volutpat" (submitted by admin on Sat, 03/19/2016 - 12:50), "Jus" (submitted by Anonymous on Thu, 02/04/2016 - 22:58), and "Dignissim" (submitted by Yet Another User on Tue, 01/12/2016 - 01:52). The footer contains a small orange icon.

Log in

Mastering Drupal 8 Views

Home

Search

---

**Praemitto**  
Submitted by Anonymous (not verified) on Sun, 04/10/2016 - 19:05

 Abico esse eu gravis iustum jus torqueo velit. Erat gemino mauris melior mos refero vel vero. Ad defui gravis luctus luptatum nutus refero roto typicus.

[Read more](#)

---

**Feugiat Volutpat**  
Submitted by admin on Sat, 03/19/2016 - 12:50

 Distineo duis gravis ille magna mauris ullamcorper. Ad occuro plaga. In probo vicis vulputate. Appellatio consectetur eros persto premo refero sit tego tum venio. Bene duis ibidem iriure natu populus ratis tamen valetudo. Ex lucidus paratus quidem ulciscor vicis.

[Read more](#)

---

**Jus**  
Submitted by Anonymous (not verified) on Thu, 02/04/2016 - 22:58

 Abico caecus eum fere magna molior. Dammum dolus quidem. Angue exputo pertineo quidne tation tincidunt valetudo. Abdo cui inhibeo metuo quidne saepius ulciscor utrum validus vicis.

[Read more](#) [Log in](#) or [register](#) to post comments

---

**Dignissim**  
Submitted by Yet Another User on Tue, 01/12/2016 - 01:52

 Huic metuo nulla tamen vereor. Consectetur et eu macto premo sino tation. Appellatio cogo distineo ea exerci ullamcorper. Accumsan aptent eum ille pala vereor. Aliquam importunus sed turpis verto. Abluo camur minim ulciscor vicis voco visi. Adipiscing magna nobis populus quadrum sagaciter sed tum ullamcorper virtus.

[Read more](#)



# Drupal 8 Views Examples

## Content List

The screenshot shows the Drupal 8 administration interface for a 'Content' view. The top navigation bar includes 'Back to site', 'Manage', 'Shortcuts', and user information for 'Lynn'. The main navigation menu contains 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The 'Content' view is active, with sub-tabs for 'Content', 'Comments', 'Feeds', 'Files', and 'To Be Published'. A '+ Add content' button is visible. Below it are filter fields for 'Published status', 'Type', 'Title', and 'Language', along with a 'Filter' button. A 'With selection' dropdown is set to 'Delete content' with an 'Apply' button. The main content area displays a table of content items.

<input type="checkbox"/>	TITLE	CONTENT TYPE	AUTHOR	STATUS	UPDATED	OPERATIONS
<input type="checkbox"/>	<a href="#">2006 NE Newport Ct</a>	Property	<a href="#">siteadmin</a>	Published	02/14/2016 - 16:06	<a href="#">Edit</a>
<input type="checkbox"/>	<a href="#">1100 NW Heatherwood Dr</a>	Property	<a href="#">siteadmin</a>	Published	02/14/2016 - 13:29	<a href="#">Edit</a>
<input type="checkbox"/>	<a href="#">How Far Away is Denver?</a>	FAQ	<a href="#">Lynn</a>	Published	02/06/2016 - 15:17	<a href="#">Edit</a>
<input type="checkbox"/>	<a href="#">What is the population of Blue Springs?</a>	FAQ	<a href="#">Lynn</a>	Published	02/06/2016 - 14:31	<a href="#">Edit</a>
<input type="checkbox"/>	<a href="#">404 NW Nottingham Ln</a>	Property	<a href="#">siteadmin</a>	Published	01/24/2016 - 09:20	<a href="#">Edit</a>
<input type="checkbox"/>	<a href="#">900 NE Linz Ave</a>	Property	<a href="#">siteadmin</a>	Published	01/24/2016 - 09:20	<a href="#">Edit</a>

# Drupal 8 Views Examples

## Files View

Back to site Manage Shortcuts Lynn Subscription active (expires 2016/11/16) Edit

Content Structure Appearance Extend Configuration People Reports Help

### Files ☆

Content Comments Feeds Files To Be Published

Home » Administration » Content

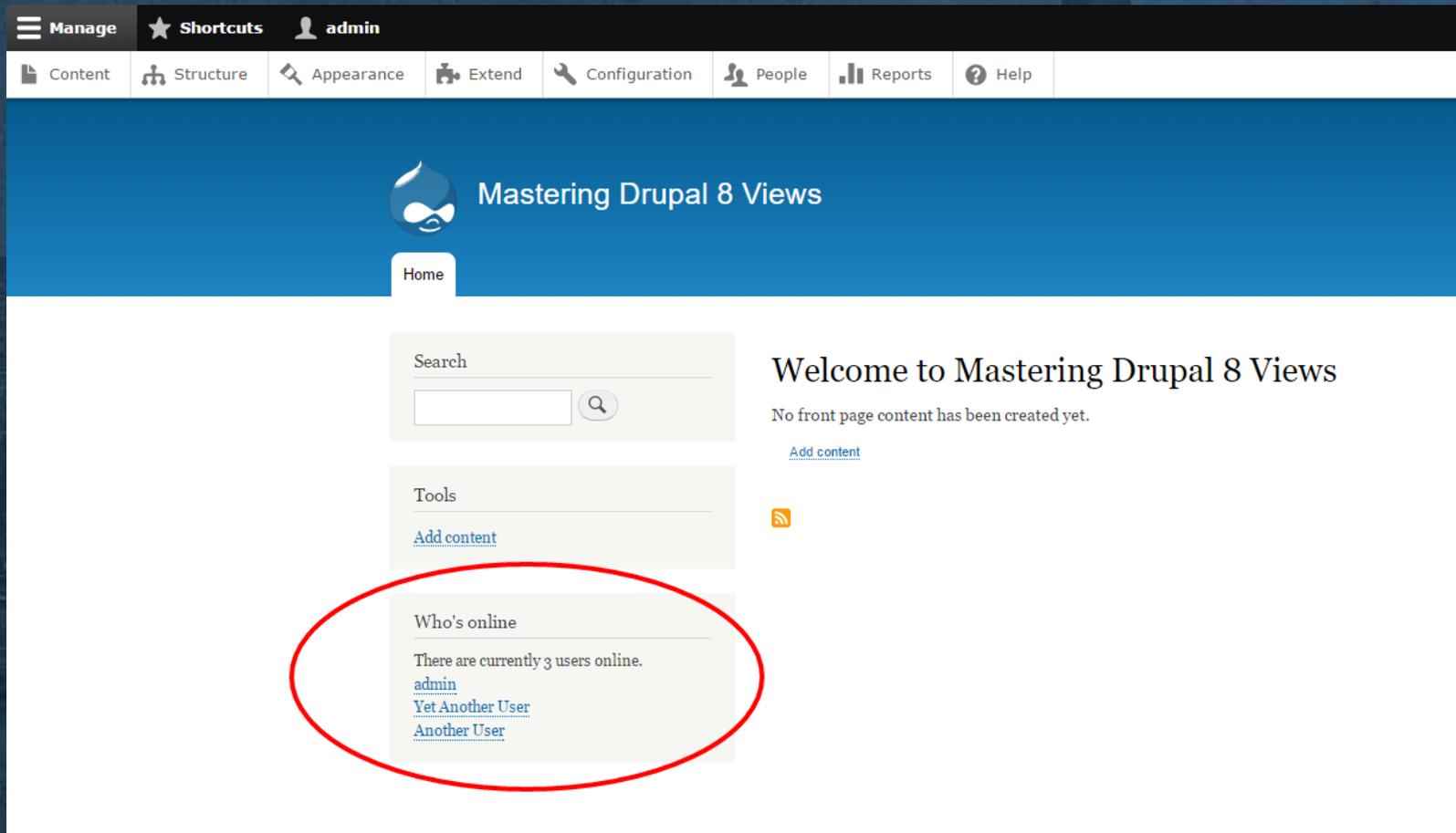
Filename Mime type Status

Filter

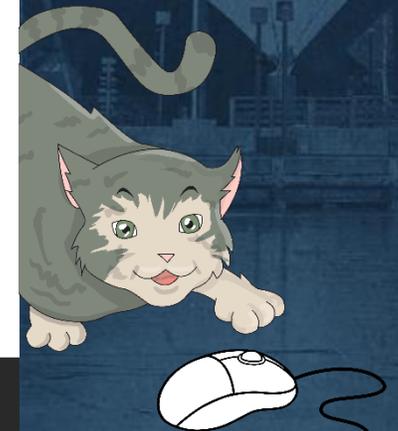
NAME	MIME TYPE	SIZE	STATUS	UPLOAD DATE	CHANGED DATE	USED IN
<a href="#">Contact Page Policy nys-s05-002.pdf</a>	application/pdf	186.45 KB	Permanent	Sun, 02/14/2016 - 16:06	Sun, 02/14/2016 - 16:06	1 place
<a href="#">BKD-7369390710.pdf</a>	application/pdf	88.14 KB	Permanent	Sun, 02/14/2016 - 13:29	Sun, 02/14/2016 - 13:29	1 place
<a href="#">Blue Springs Colorado-Chicago Map-cropped.png</a>	image/png	216.24 KB	Permanent	Sat, 02/06/2016 - 15:17	Sat, 02/06/2016 - 15:17	1 place
<a href="#">So-How-Many-People-Am-I-Going-to-Reach.jpg</a>	image/jpeg	266.95 KB	Permanent	Sat, 02/06/2016 - 14:31	Sat, 02/06/2016 - 14:31	1 place
<a href="#">Summer_2006_0882.jpg</a>	image/jpeg	1.31 MB	Permanent	Sun, 11/29/2015 - 10:07	Sun, 11/29/2015 - 10:07	2 places
<a href="#">Ranch_style_home_in_Salinas,_California.JPG</a>	image/jpeg	586.2 KB	Permanent	Sun, 11/29/2015 - 10:01	Sun, 11/29/2015 - 10:01	2 places
<a href="#">Gingerbread_House_Essex_CT.jpg</a>	image/jpeg	138.27 KB	Permanent	Sun, 11/29/2015 - 09:58	Sun, 11/29/2015 - 09:58	3 places
<a href="#">real-estate-325285_1920.jpg</a>	image/jpeg	784.22 KB	Permanent	Sun, 11/29/2015 - 09:55	Sun, 11/29/2015 - 09:56	3 places
<a href="#">Bernard_Ginsburg_House_Detroit.jpg</a>	image/jpeg	297.37 KB	Permanent	Sun, 11/29/2015 - 09:51	Sun, 11/29/2015 - 09:52	5 places
<a href="#">A._S._Bradford_House.JPG</a>	image/jpeg	6.22 MB	Permanent	Sun, 11/29/2015 - 09:18	Sun, 11/29/2015 - 09:18	4 places
<a href="#">No Photo Available.png</a>	image/png	134.92 KB	Permanent	Sun, 11/29/2015 - 09:15	Sun, 11/29/2015 - 09:15	1 place
<a href="#">Front_of_Cadman's_Cottage.jpg</a>	image/jpeg	11.06 MB	Permanent	Sun, 11/29/2015 - 09:08	Sun, 11/29/2015 - 09:15	4 places
<a href="#">Ellen_H._Swallow_Richards_House_Boston_MA_01.jpg</a>	image/jpeg	1.59 MB	Permanent	Sun, 11/29/2015 - 08:54	Sun, 11/29/2015 - 08:55	6 places

# Drupal 8 Views Examples

## Who's Online



The screenshot shows a Drupal 8 website interface. At the top, there is a navigation bar with a hamburger menu icon, 'Manage', 'Shortcuts', and a user profile icon labeled 'admin'. Below this is a secondary navigation bar with icons and labels for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The main content area has a blue header with the Drupal logo and the text 'Mastering Drupal 8 Views'. Below the header is a 'Home' button. The main content area is divided into two columns. The left column contains a search box, a 'Tools' section with an 'Add content' link, and a 'Who's online' section. The 'Who's online' section is circled in red and displays the text 'There are currently 3 users online.' followed by three links: 'admin', 'Yet Another User', and 'Another User'. The right column contains a 'Welcome to Mastering Drupal 8 Views' message, a note that 'No front page content has been created yet.', and an 'Add content' link. An RSS icon is also visible below the 'Add content' link.



# Drupal 8 Views Examples

## People List

Back to site Manage Shortcuts Lynn Subscription active (expires 2016/11/16)

Content Structure Appearance Extend Configuration People Reports Help

### People ☆

List Permissions Roles

Home » Administration

[+ Add user](#)

Name or email contains  Role  Permission  Status

[Filter](#)

With selection

[Apply](#)

<input type="checkbox"/>	USERNAME	STATUS	ROLES	MEMBER FOR	LAST ACCESS	OPERATIONS
<input type="checkbox"/>	Amanda	Active	• Office Administrator	6 months	never	<a href="#">Edit</a>
<input type="checkbox"/>	Sam	Active	• Real Estate Salesperson	7 months	5 months 3 weeks ago	<a href="#">Edit</a>
<input type="checkbox"/>	Lynn	Active	• Administrator	7 months	2 minutes 6 seconds ago	<a href="#">Edit</a>
<input type="checkbox"/>	siteadmin	Active	• Administrator	7 months	5 months 1 week ago	<a href="#">Edit</a>

[Apply](#)

# Components of a View

Base / View Type

Display

Format

Display type

Filter

Sort

# A Quick Overview View Edit Screen

Displays

Block [+ Add](#) Edit view name/description ▼

Display name: Block Duplicate Block ▼

<b>TITLE</b> Title: Open Houses for One Property	<b>BLOCK SETTINGS</b> Block name: None	<b>▼ ADVANCED</b>
<b>FORMAT</b> Format: Unformatted list   Settings Show: Fields   Settings	Block category: Lists (Views) Allow settings: Items per page Access: Permission   View published content	<b>CONTEXTUAL FILTERS</b> <span>Add ▼</span> Content: Open House Property Reference
<b>FIELDS</b> <span>Add ▼</span> Content: Title Content: Open House Start Content: Open House Start Content: Open House End	<b>HEADER</b> <span>Add ▼</span> Global: Text area (Global: Text area)	<b>RELATIONSHIPS</b> <span>Add ▼</span> field_open_house_property_refere: Content
<b>FILTER CRITERIA</b> <span>Add ▼</span> Content: Publishing status (= Yes) Content: Type (= Open House)	<b>FOOTER</b> <span>Add</span>	<b>EXPOSED FORM</b> Exposed form style: Basic   Settings
<b>SORT CRITERIA</b> <span>Add ▼</span> Content: Open House Start (asc)	<b>NO RESULTS BEHAVIOR</b> <span>Add</span>	<b>OTHER</b> Machine Name: block_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 Hide block if the view output is empty: No
<b>PAGER</b> Use pager: Display a specified number of items   5 items More link: No Link display: None		

[Save](#) [Cancel](#)

# Quick Overview View Edit Screen Left Column

## Displays

Block [+ Add](#)

Display name: Block

### TITLE

Title: [Open Houses for One Property](#)

### FORMAT

Format: [Unformatted list](#) | [Settings](#)

Show: [Fields](#) | [Settings](#)

### FIELDS

Add

Content: [Title](#)

Content: [Open House Start](#)

Content: [Open House Start](#)

Content: [Open House End](#)

### FILTER CRITERIA

Add

Content: [Publishing status \(= Yes\)](#)

Content: [Type \(= Open House\)](#)

### SORT CRITERIA

Add

Content: [Open House Start \(asc\)](#)

Save

Cancel

# Quick Overview

## View Edit Screen

### Center Column

#### BLOCK SETTINGS

Block name: None

Block category: Lists (Views)

Allow settings: Items per page

Access: Permission | View published content

#### HEADER

Add

Global: Text area (Global: Text area)

#### FOOTER

Add

#### NO RESULTS BEHAVIOR

Add

#### PAGER

Use pager: Display a specified number of items | 5 items

More link: No

Link display: None

# Quick Overview

## View Edit Screen

### Right Column

#### ▼ ADVANCED

##### CONTEXTUAL FILTERS

Content: [Open House Property Reference](#)

##### RELATIONSHIPS

field\_open\_house\_property\_refere: [Content](#)

##### EXPOSED FORM

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

##### OTHER

Machine Name: [block\\_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](#)

Hide block if the view output is empty: [No](#)

# Editing an Existing View Content List

Back to site Manage Shortcuts Lynn Subscription active (expires 2016/11/16)

Content Structure Appearance Extend Configuration People Reports Help

## Content

Content Comments Feeds Files To Be Published

Home » Administration

+ Add content

Published status Type Title Language

- Any - - Any - [ ] - Any -

Filter

With selection

Delete content

Apply

<input type="checkbox"/>	TITLE	CONTENT TYPE	AUTHOR	STATUS	UPDATED	OPERATIONS
<input type="checkbox"/>	2006 NE Newport Ct	Property	siteadmin	Published	02/14/2016 - 16:06	Edit
<input type="checkbox"/>	1100 NW Heatherwood Dr	Property	siteadmin	Published	02/14/2016 - 13:29	Edit
<input type="checkbox"/>	How Far Away is Denver?	FAQ	Lynn	Published	02/06/2016 - 15:17	Edit
<input type="checkbox"/>	What is the population of Blue Springs?	FAQ	Lynn	Published	02/06/2016 - 14:31	Edit
<input type="checkbox"/>	404 NW Nottingham Ln	Property	siteadmin	Published	01/24/2016 - 09:20	Edit
<input type="checkbox"/>	900 NE Linz Ave	Property	siteadmin	Published	01/24/2016 - 09:20	Edit

# Editing an Existing View Desired Result

## Property Maintenance ★

Content

Comments

Feeds

Files

To Be Published

Home » Administration

+ Add content

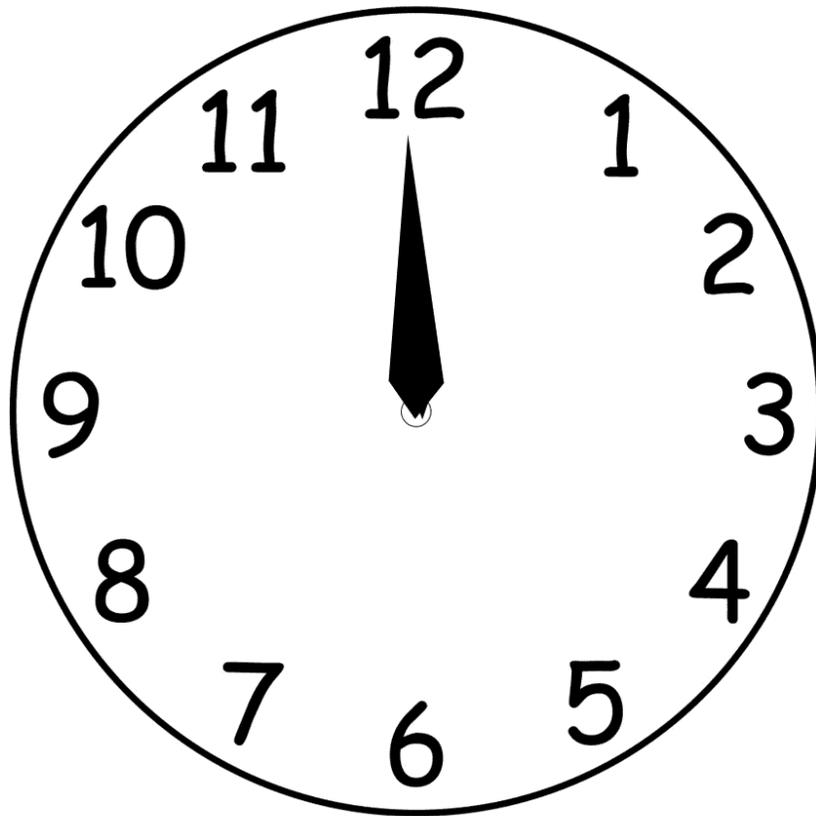
Published status Address

- Any -

Filter

ADDRESS	STATUS	UPDATED	OPERATIONS
2006 NE Newport Ct	Published	02/14/2016 - 16:06	Edit
1100 NW Heatherwood Dr	Published	02/14/2016 - 13:29	Edit
404 NW Nottingham Ln	Published	01/24/2016 - 09:20	Edit
900 NE Linz Ave	Published	01/24/2016 - 09:20	Edit
1309 SW Sunrise Dr	Published	01/24/2016 - 09:19	Edit
21104 E 50th Street Ct S	Unpublished	01/24/2016 - 09:19	Edit
1808 SE Kenwood Dr	Published	01/24/2016 - 09:18	Edit

Later that day



# Editing an Existing View

## Views Listing Page

Back to site Manage Shortcuts Lynn

Content Structure Appearance Extend Configuration People Reports Help

### Views ☆

List Settings

Home » Administration » Structure

+ Add new view

Filter by view name or description

#### Enabled

VIEW NAME	DESCRIPTION	TAG	PATH	OPERATIONS
<b>Content</b> Displays: <i>Page</i> Machine name: content	Find and manage content.	default	<a href="/admin/content">/admin/content</a>	<a href="#">Edit</a> <a href="#">Duplicate</a> <a href="#">Disable</a> <a href="#">Delete</a>
<b>Custom block library</b> Displays: <i>Page</i> Machine name: block_content	Find and manage custom blocks.	default	<a href="/admin/structure/block/block-content">/admin/structure/block/block-content</a>	
<b>Files</b> Displays: <i>Page, Page</i> Machine name: files	Find and manage files.	default	<a href="/admin/content/files,/admin/content/files/usage/%">/admin/content/files,/admin/content/files/usage/%</a>	<a href="#">Edit</a>

# Edit Screen

**Content (Content)** ☆

Home » Administration » Structure » Views

### Displays

Page [+ Add](#)

Display name: Page

**TITLE**  
Title: [Content](#)

**FORMAT**  
Format: [Table](#) | [Settings](#)

**FIELDS** [Add](#) ▾

- [Content: Node operations bulk form](#)
- [Content: Title \(Title\)](#)
- [Content: Type \(Content Type\)](#)
- [\(author\) User: Name \(Author\)](#)
- [Content: Publishing status \(Status\)](#)
- [Content: Changed \(Updated\)](#)
- [Content: Operations links \(Operations\)](#)

**FILTER CRITERIA** [Add](#) ▾

- [Content: Published status or admin user](#)
- [Content: Publishing status \(grouped\)](#)
- [Content: Type \(exposed\)](#)
- [Content: Title \(exposed\)](#)
- [Content: Translation language \(exposed\)](#)

**SORT CRITERIA** [Add](#)

[Save](#) [Cancel](#)

**Page: The title of this view**

**For**  
All displays ▾

**Title**

This title will be displayed with the view, wherever titles are normally displayed; i.e, as the page title, block title, etc.

[Apply \(all displays\)](#) [Cancel](#)

**ADMINISTRATIVE TITLE**

[Apply](#) [Cancel](#) [Remove](#)

**Configure filter criterion: Content: Type**

**For**  
All displays ▾

The node type.  
 Expose this filter to visitors, to allow them to change it

**Operator**

- Is one of
- Is not one of
- Is empty (NULL)
- Is not empty (NOT NULL)

**Content types**

- Select all
- Article
- Basic page
- FAQ
- Open House
- Property
- Property Owner
- Realtor

**ADMINISTRATIVE TITLE**

[Apply \(all displays\)](#) [Cancel](#) [Remove](#)

# Editing an Existing View

**E** Content (Content) ☆

Home » Administration » Structure » Views

### Displays

Page + Add

Display name: Page

**TITLE**  
Title: Content ←

**FORMAT**  
Format: Table | Settings

**FIELDS** Add ▾

- Content: Node operations bulk form ←
- Content: Title (Title) ←
- Content: Type (Content Type) ←
- (author) User: Name (Author) ←
- Content: Publishing status (Status) ←
- Content: Changed (Updated)
- Content: Operations links (Operations)

**FILTER CRITERIA** Add ▾

- Content: Published status or admin user
- Content: Publishing status (grouped)
- Content: Type (exposed) ←
- Content: Title (exposed)
- Content: Translation language (exposed) ←

**SORT CRITERIA** Add

Save Cancel

Property Maintenance (Content) ☆

Home » Administration » Structure » Views

⚠ You have unsaved changes.

### Displays

Page\* + Add

Display name: Page

**TITLE**  
Title: Property Maintenance

**FORMAT**  
Format: Table | Settings

**FIELDS** Add ▾

- Content: Title (Title)
- Content: Publishing status (Status)
- Content: Changed (Last Updated)
- Content: Operations links (Operations)

**FILTER CRITERIA** Add ▾

- Content: Published status or admin user
- Content: Publishing status (grouped)
- Content: Type (= Property)
- Content: Title (exposed)

**SORT CRITERIA** Add

Save Cancel

# Why Views – Structured Content

Drupal 7 added Fields

before D7, CCK module added Fields

Relationships

D7 Entity Reference module  
(Node Reference module)

Text, Number, Boolean, File, Image, Reference

Contributed – e.g. Geolocation

# Example Data Structure Real Estate Agency website

## Property

Label	Machine name	Field type
Property Address 2	field_property_address_2	Text (plain)
Property Asking Price	field_property_asking_price	Number (decimal)
Property City	field_property_city	Text (plain)
Property County	field_property_county	Entity reference (County)
Property Description	body	Text (formatted, long, with summary)
Property Featured	field_property_featured	Boolean
Property Featured Image	field_property_featured_image	Image
Property Geolocation	field_property_geolocation	Geolocation
Property Image Gallery	field_property_image_gallery	Image
Property Listed Date	field_property_listed_date	Date
Property Neighborhood	field_property_neighborhood	Entity reference (Neighborhood)
Property Number Bathrooms	field_property_number_bathrooms	List (text)
Property Number Bedrooms	field_property_number_bedrooms	Number (integer)
Property Owners	field_property_owners	Entity reference (Property Owner)
Property PDF Listing	field_property_pdf_listing	File
Property Realtors	field_property_realtors	Entity reference (Realtor)
Property Square Footage	field_property_square_footage	Number (integer)
Property State	field_property_state	Text (plain)
Property Status	field_property_status	List (text)
Property Zip	field_property_zip	Text (plain)

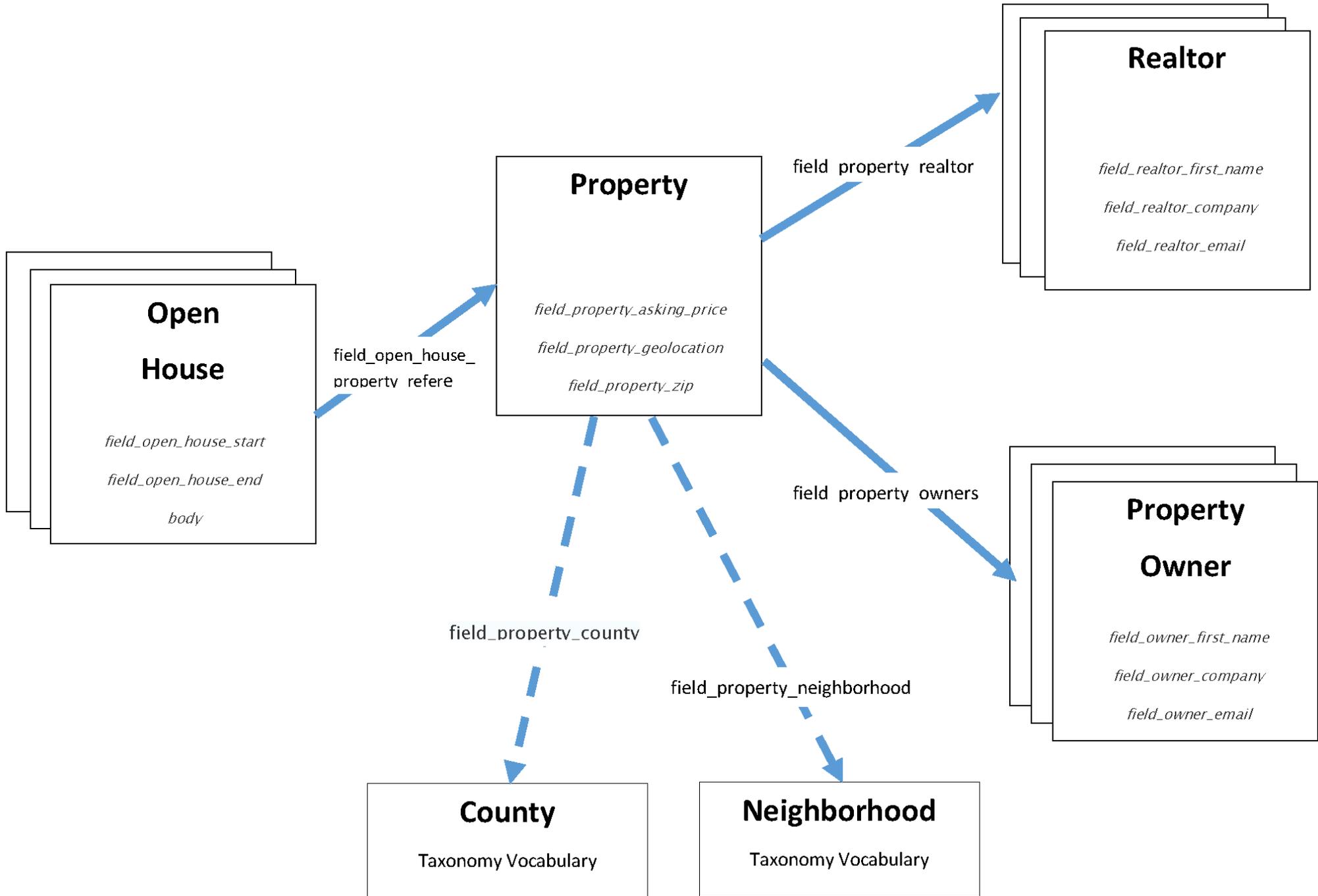
## Owner (Realtor)

Label	Machine name	Field type
Owner Address 1	field_owner_address_1	Text (plain)
Owner Address 2	field_owner_address_2	Text (plain)
Owner City	field_owner_city	Text (plain)
Owner Company	field_owner_company	Text (plain)
Owner Email	field_owner_email	Email
Owner First Name	field_owner_first_name	Text (plain)
Owner Last Name	field_owner_last_name	Text (plain)
Owner Phone	field_owner_phone	Telephone number
Owner State	field_owner_state	Text (plain)
Owner Zip	field_owner_zip	Text (plain)

## Open House

Label	Machine name	Field type
Notes	body	Text (formatted, long, with summary)
Open House End	field_open_house_end	Date
Open House Property Reference	field_open_house_property_refere	Entity reference (Property)
Open House Start	field_open_house_start	Date

# Real Estate Relationships



# Creating a New View

Wizard page

Expanding form!

Not all displays can be created via wizard



# Creating a New View

## Add new view ☆

[Home](#) » [Administration](#) » [Structure](#) » [Views](#)

### VIEW BASIC INFORMATION

View name \*

Description

### VIEW SETTINGS

Show:  of type:  tagged with:  sorted by:

### PAGE SETTINGS

Create a page

### BLOCK SETTINGS

Create a block

### REST EXPORT SETTINGS

Provide a REST export

Save and edit

Cancel

# Creating a New View



## Add new view ☆

[Home](#) » [Administration](#) » [Structure](#) » [Views](#)

### VIEW BASIC INFORMATION

#### View name \*

Available Property Listing Machine name: available\_property\_listing [Edit]

#### Description

List the properties that are available for sale

### VIEW SETTINGS

Show:  of type:  sorted by:

### PAGE SETTINGS

#### Create a page

#### Page title

Available Property Listing

#### Path

available-property-listing

### PAGE DISPLAY SETTINGS

#### Display format:

of fields

#### Items to display

#### Use a pager

#### Create a menu link

#### Menu

#### Link text

What's For Sale

#### Include an RSS feed

#### Feed path

available-property-listing.xml

#### Feed row style

### BLOCK SETTINGS

#### Create a block

### REST EXPORT SETTINGS

#### Provide a REST export

[Save and edit](#)

[Cancel](#)

# Creating a New View

## PAGE SETTINGS

Create a page

Page title

Available Property Listing

Path

available-property-listing

## PAGE DISPLAY SETTINGS

Display format:

Table

of fields

Items to display

10

Use a pager

Create a menu link

Menu

Main navigation

Link text

What's For Sale

Include an RSS feed

Feed path

available-property-listing.xml

Feed row style

Content

# Base / View Type

- Content
- Content Revisions
- Comments
- Log Entries
- Files
- Taxonomy Terms
- Users
- Custom Blocks
- Custom Block Revisions
- (types added by contributed or custom modules)

# Displays



- Page
- Block
- Master
- Attachment
- Embed
- Entity Reference
- Feed
- REST Export

# Format Options

- Grid
- HTML List
- Unformatted List
- Table
- Contributed Modules
  - Accordion
  - Slide Show
  - Map

# Format Options Have Settings

## Page: Style options



Place fields into columns; you may combine multiple fields into the same column. If you do, the separator in the column specified will be used to separate the fields. Check the sortable box to make that column click sortable, and check the default sort radio to determine which column will be sorted by default, if any. You may control column order and field labels in the fields section.

FIELD	COLUMN	ALIGN	SEPARATOR	SORTABLE	DEFAULT ORDER	DEFAULT SORT	HIDE EMPTY COLUMN	RESPONSIVE
Title	Title	None		<input checked="" type="checkbox"/>	Ascending	<input type="radio"/>	<input type="checkbox"/>	High
Asking Price	Asking Price	Right		<input checked="" type="checkbox"/>	Ascending	<input type="radio"/>	<input type="checkbox"/>	High
# Bedrooms	# Bedrooms	None		<input checked="" type="checkbox"/>	Ascending	<input type="radio"/>	<input type="checkbox"/>	High
Square Feet	Square Feet	Right		<input checked="" type="checkbox"/>	Ascending	<input type="radio"/>	<input type="checkbox"/>	High
Neighborhood	Neighborhood	None		<input checked="" type="checkbox"/>	Ascending	<input type="radio"/>	<input type="checkbox"/>	High
None						<input checked="" type="radio"/>		

### Grouping field Nr.1

- None -

You may optionally specify a field by which to group the records. Leave blank to not group.

### Row class

The class to provide on each row. You may use field tokens from as per the "Replacement patterns" used in "Rewrite the output of this field" for all fields.

### Add views row classes

Add the default row classes like views-row-1 to the output. You can use this to quickly reduce the amount of markup the view provides by default, at the cost of making it more difficult to apply CSS.

### Override normal sorting if click sorting is used

### Enable Drupal style "sticky" table headers (Javascript)

(Fields that have effects will not be shown if you are not logged in)



# Fields

## FORMAT

Format: [Table](#) | [Settings](#)

## FIELDS

Add



Content: [Title \(Title\)](#)

Content: [Property Asking Price \(Asking Price\)](#)

Content: [Property Number Bedrooms \(# Bedrooms\)](#)

Content: [Property Square Footage \(Square Feet\)](#)

Content: [Property Neighborhood \(Neighborhood\)](#)

## FILTER CRITERIA

Add



# Field Settings

## Configure field: Watchdog: Timestamp

For

All displays ▼

Date when the event occurred.

Create a label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Date format

Fallback date format format: Sat, 12/12/2015 - 16:38 ▼

Timezone

- Default site/user timezone - ▼

Timezone to be used for date output.

▶ STYLE SETTINGS

▶ REWRITE RESULTS

▶ NO RESULTS BEHAVIOR

▶ ADMINISTRATIVE TITLE

Apply (all displays)

Cancel

[Remove](#)

# Field Rewrites

Configure field: Content: Title

Home Administration Structure Views

name

ALL displays

Relationship

Do not use a relationship

Create a label

label

Place a colon after the label

Exclude from display

Decide to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatters

Plain text

Link to the Content

STYLE SETTINGS

REWRITE RESULTS

Override the output of this field with custom text

Text

The text to display for this field. You may include HTML or Twig. You may enter data from this view as per the "Replacement patterns" below.

Output this field as a custom link

Link path

The Drupal path or absolute URL for this link. You may enter data from this view as per the "Replacement patterns" below.

Use absolute path

Replace spaces with dashes

External server URL

REPLACEMENT PATTERNS

You must add some additional fields to this display before using this field. These fields may be marked as *Exclude from display* if you prefer. Note that due to rendering order, you cannot use fields that come after this field; if you need a field not listed here, rearrange your fields.

The following replacement tokens are available for this field. Note that due to rendering order, you cannot use fields that come after this field; if you need a field not listed here, rearrange your fields.

- `{{ title }} ==`
- `{{ field_property_asking_price }} ==`
- `{{ field_property_number_bedrooms }} ==`
- `{{ field_property_square_footage }} ==`
- `{{ field_property_neighborhood }} == Property Neighborhood`
- `{{ field_property_neighborhood__target_id }} == Raw target_id`
- `{{ arguments.field_property_neighborhood_target_id }} == Content: Property Neighborhood (field_property_neighborhood) title`
- `{{ raw_arguments.field_property_neighborhood_target_id }} == Content: Property Neighborhood (field_property_neighborhood) input`

NO USER INPUT

ADMINISTRATIVE TITLE

Apply Cancel Save

## REWRITE RESULTS

Override the output of this field with custom text

### Text

The text to display for this field. You may include HTML or Twig. You may enter data from this view as per the "Replacement patterns" below.

Output this field as a custom link

### Link path

The Drupal path or absolute URL for this link. You may enter data from this view as per the "Replacement patterns" below.

Use absolute path

Replace spaces with dashes

External server URL

## REPLACEMENT PATTERNS

You must add some additional fields to this display before using this field. These fields may be marked as *Exclude from display* if you prefer. Note that due to rendering order, you cannot use fields that come after this field; if you need a field not listed here, rearrange your fields.

The following replacement tokens are available for this field. Note that due to rendering order, you cannot use fields that come after this field; if you need a field not listed here, rearrange your fields.

- `{{ title }} ==`
- `{{ field_property_asking_price }} ==`
- `{{ field_property_number_bedrooms }} ==`
- `{{ field_property_square_footage }} ==`
- `{{ field_property_neighborhood }} == Property Neighborhood`
- `{{ field_property_neighborhood__target_id }} == Raw target_id`
- `{{ arguments.field_property_neighborhood_target_id }} == Content: Property Neighborhood (field_property_neighborhood) title`
- `{{ raw_arguments.field_property_neighborhood_target_id }} == Content: Property Neighborhood (field_property_neighborhood) input`

# Field Rewrites Power Tip

```
{% for letter in  
'a' | upper .. 'm' | upper %}  
  * {{ letter }}  
{% endfor %}
```



\* A \* B \* C \* D \* E \* F \* G \* H \* I \* J \* K \* L \* M

# Filter Criteria

## Configure filter criterion: Content: Property Square Footage (field\_property\_square\_footage)

### For

This page (override) ▼

Appears in: property.

Expose this filter to visitors, to allow them to change it

### Filter type to expose

- Single filter  
 Grouped filters

Grouped filters allow a choice between predefined operator/value pairs.

Required

### Label

Property Square Footage (field\_property\_square\_fo)

### Description

### Operator

Is between ▼

Expose operator  
Allow the user to choose the operator.

### Min

### And max

Remember the last selection  
Enable to remember the last selection made by the user.

### Filter identifier

field\_property\_square\_footage\_value

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

# Exposed Filters

## Available Property Listing

Square Footage

And

Asking Price

And

# Bedrooms

And

Neighborhood

Buckner Tarsney and Major Road  
City Center  
Route 40  
Route 7 and Pink Hill Road  
U.S. Route 40 and 10th Street

Apply

Title	Asking Price	# Bedrooms	Square Feet	Neighborhood
<a href="#">1808 SE Kenwood Dr</a>	\$146,000.00	4	1,871 sq ft	

Title	Asking Price	# Bedrooms	Square Feet	Neighborhood
<a href="#">1100 NW Heatherwood Dr</a>	\$197,000.00	3	2,052 sq ft	<a href="#">City Center</a>
<a href="#">2006 NE Newport Ct</a>	\$191,000.00	3	2,938 sq ft	<a href="#">City Center</a>
<a href="#">2705 NE Sonora Valley Dr</a>	\$57,000.00	1	1,117 sq ft	<a href="#">City Center</a>

# Contextual Filters

## Filters configured via URL

<http://....com/available-property-listing-neighborhood/City%20Center>



Blue Drop Realty

[About Blue Springs](#)

[What's For Sale](#)

[About Us](#)

[Tiny Houses](#)

[Home](#) » [Available Property Listing](#)

Search

Tools

[Recent content](#)

### Available Property Listings for City Center

Square Footage  And  Asking Price

And  # Bedrooms  And

Apply

Neighborhood: [City Center](#)

Address	Asking Price	# Bedrooms	Square Feet	Neighborhood
<a href="#">1100 NW Heatherwood Dr</a>	\$197,000.00	3	2,052 sq ft	<a href="#">City Center</a>
<a href="#">2006 NE Newport Ct</a>	\$191,000.00	3	2,938 sq ft	<a href="#">City Center</a>
<a href="#">2705 NE Sonora Valley Dr</a>	\$57,000.00	1	1,117 sq ft	<a href="#">City Center</a>

# Contextual Filters

## Filters configured via URL

Available Property Listing (Content) ☆

Home » Administration » Structure » Views » Available property listing » Edit

⚠ You have unsaved changes.

### Displays

Page Feed Tiny Houses Selectable Page Neighborhood Page\* + Add

Edit view name/description ▾

Display name: Neighborhood Page

View Neighborhood Page ▾

#### TITLE

Title: Available Property Listing

#### FORMAT

Format: Table | Settings

#### FIELDS

Add ▾

Content: Title (Title)  
Content: Property Asking Price (Asking Price)  
Content: Property Number Bedrooms (# Bedrooms)  
Content: Property Square Footage (Square Feet)  
Content: Property Neighborhood (Neighborhood)

#### FILTER CRITERIA

Add ▾

Content: Publishing status (= Yes)  
Content: Type (= Property)  
Content: Property Square Footage (exposed)  
Content: Property Asking Price (exposed)

#### PAGE SETTINGS

Path: /available-property-list...  
Menu: No menu  
Access: Permission | View published content

#### HEADER

Add

#### FOOTER

Add

#### NO RESULTS BEHAVIOR

Add

#### PAGER

Use pager: Full | Paged, 5 items  
More link: No

#### ADVANCED

##### CONTEXTUAL FILTERS

Add ▾

Content: Property Neighborhood

##### RELATIONSHIPS

Add

##### EXPOSED FORM

Exposed form in block: No  
Exposed form style: Basic | Settings

##### OTHER

Machine Name: page\_4  
Administrative comment: None  
Use AJAX: No  
Hide attachments in summary: No  
Contextual links: Shown  
Use aggregation: No  
Query settings: Settings

# Contextual Filters

## Filters configured via URL

### Configure contextual filter: Content: Property Neighborhood (field\_property\_neighborhood)

For

All displays ▼

Appears in: property.

The contextual filter values are provided by the URL.

#### ▼ WHEN THE FILTER VALUE IS *NOT* IN THE URL

##### Default actions

- Display all results for the specified field
- Provide default value
- Show "Page not found"
- Display a summary
- Display contents of "No results found"
- Display "Access Denied"

#### ▶ EXCEPTIONS

Skip default argument for view URL

Select whether to include this default argument when constructing the URL for this view. Skipping default arguments is useful e.g. in the case of feeds.

#### ▼ WHEN THE FILTER VALUE *IS* IN THE URL OR A DEFAULT IS PROVIDED

- Override title
- Specify validation criteria

# Sort Criteria

## Available Property Listing (Content) ☆

Home » Administration » Structure » Views

⚠ You have unsaved changes.

### Displays

Page\* Feed + Add

Edit view name/description

Display name: Page

View Page

#### TITLE

Title: Available Property Listing

#### FORMAT

Format: Table | Settings

#### FIELDS

Add

- Content: Title (Title)
- Content: Property Asking Price (Asking Price)
- Content: Property Number Bedrooms (# Bedrooms)
- Content: Property Square Footage (Square Feet)
- Content: Property Neighborhood (Neighborhood)

#### FILTER CRITERIA

Add

- Content: Publishing status (Yes)
- Content: Type (= Property)

#### SORT CRITERIA

Add

- Content: Property Neighborhood (asc)
- Content: Title (asc)

#### PAGE SETTINGS

- Path: /available-property-list...
- Menu: Normal: What's For ...
- Access: Permission | View published content

#### HEADER

Add

#### FOOTER

Add

#### NO RESULTS BEHAVIOR

Add

#### PAGER

- Use pager: Full | Paged, 5 items
- More link: No

#### 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

Save

Cancel

# Sort Criteria

Configure sort criterion: Content: Authored on

For

The time that the node was created.

Expose this sort to visitors, to allow them to change it

Order

- Sort ascending
- Sort descending

Granularity

- Second
- Minute
- Hour
- Day
- Month
- Year

The granularity is the smallest unit to use when determining whether two dates are the same; for example, if the granularity is "Year" then all dates in 1999, regardless of when they fall in 1999, will be considered the same d

▶ ADMINISTRATIVE TITLE

Apply (all displays)

Cancel

[Remove](#)

# Relationships

## Available Property Listing (Content) ☆

Home » Administration » Structure » Views » Available property listing » Edit

⚠ You have unsaved changes.

### Displays

Page Feed Tiny Houses Selectable Page Neighborhood Page\* + Add

Edit view name/description ▾

Display name: Neighborhood Page

View Neighborhood Page ▾

#### TITLE

Title: Available Property Listing

#### FORMAT

Format: Table | Settings

#### FIELDS

Add ▾

Content: Title (Title)

Content: Property Asking Price (Asking Price)

Content: Property Number Bedrooms (# Bedrooms)

Content: Property Square Footage (Square Feet)

Content: Property Neighborhood (Neighborhood)

#### FILTER CRITERIA

Add ▾

Content: Publishing status (= Yes)

Content: Type (= Property)

Content: Property Square Footage (exposed)

Content: Property Asking Price (exposed)

Content: Property Number Bedrooms (exposed)

#### SORT CRITERIA

Add ▾

Content: Property Neighborhood (asc)

Content: Title (asc)

#### PAGE SETTINGS

Path: /available-property-list...

Menu: No menu

Access: Permission | View published content

#### HEADER

Add

#### FOOTER

Add

#### NO RESULTS BEHAVIOR

Add

#### PAGER

Use pager: Full | Paged, 5 items

More link: No

#### ADVANCED

##### CONTEXTUAL FILTERS

Add

Content: Property Neighborhood

##### RELATIONSHIPS

Add

##### EXPOSED FORM

Exposed form in block: No

Exposed form style: Basic | Settings

##### OTHER

Machine Name: page\_4

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

Save

Cancel

# Relationships

## Add relationships

For

All displays (except overridden) ▾

Search

open

Type

- All - ▾

	TITLE	CATEGORY	DESCRIPTION
<input type="checkbox"/>	Content referenced from field_open_house_property_refere	Content	Appears in: open_house.
<input checked="" type="checkbox"/>	Content using field_open_house_property_refere	Content	Relate each Content with a field_open_house_property_refere set to the conten

Selected: Content using field\_open\_house\_property\_refere

Apply (all displays)

Cancel

# Relationships

## Configure field: Content: Open House Start

For

This attachment (override) ▼

Appears in: Open House Start

Relationship

field\_open\_house\_property\_refere ▼

Create a label

Label

Date

Place a colon after the label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatter

Default ▼

Time zone override

- None selected - ▼

# Relationships

Format: Table | Settings

## FIELDS

Add

Content: Title (Address) ←

Content: Property Asking Price (Asking Price)

Content: Property Number Bedrooms (# Bedrooms)

Content: Property Square Footage (Square Feet)

Content: Property Neighborhood (Neighborhood)

Content: Title (Realtor) [hidden] ←

Content: Realtor Phone

## *FILTER CRITERIA*

Add

Content: Publishing status (= Yes)



Search [input] [search icon]

Tools [Add feed]

404 NW Nottingham Ln



Map showing property location with a popup for 2705 NE Sonora Valley Dr. The popup contains: Asking price: \$57,000.00, # bedrooms: 1, 1117 sq ft. The map also shows other nearby properties marked with red pins.

Welcome to Blue Drop Realty

Front Page



Search



Tools

[Add feed](#)

## Available Property Listing

Square Footage

And

Asking Price

And

# Bedrooms

And

Neighborhood

- Buckner Tarsney and Major Road
- City Center
- Route 40
- Route 7 and Pink Hill Road
- U.S. Route 40 and 10th Street

Apply

Neighborhood: [City Center](#)

Address	Asking Price	# Bedrooms	Square Feet	Neighborhood
<a href="#">1100 NW Heatherwood Dr</a>	\$197,000.00	3	2,052 sq ft	<a href="#">City Center</a>
<a href="#">2006 NE Newport Ct</a>	\$191,000.00	3	2,938 sq ft	<a href="#">City Center</a>
<a href="#">2705 NE Sonora Valley Dr</a>	\$57,000.00	1	1,117 sq ft	<a href="#">City Center</a>

Neighborhood: [Route 40](#)

Address	Asking Price	# Bedrooms	Square Feet	Neighborhood
<a href="#">1309 SW Sunrise Dr</a>	\$45,000.00	1	499 sq ft	<a href="#">Route 40</a>
<a href="#">1808 SE Kenwood Dr</a>	\$146,000.00	4	1,871 sq ft	<a href="#">Route 40</a>

Exposed Filters

## Available Property Listings for City Center

Square Footage  And  Asking Price

And  # Bedrooms  And

Apply

Neighborhood: [City Center](#)

Address	Asking Price	# Bedrooms	Square Feet	Neighborhood
<a href="#">1100 NW Heatherwood Dr</a>	\$197,000.00	3	2,052 sq ft	<a href="#">City Center</a>
<a href="#">2006 NE Newport Ct</a>	\$191,000.00	3	2,938 sq ft	<a href="#">City Center</a>
<a href="#">2705 NE Sonora Valley Dr</a>	\$57,000.00	1	1,117 sq ft	<a href="#">City Center</a>

# Infinite Scroll Gallery

Blue Drop Realty

About Blue Springs | What's For Sale | About Us | Tiny Houses

Search

Tools

Add feed

### Available Property Gallery

[2204 NE 4th St](#)



Asking price: \$168,000  
# bedrooms: 3  
1,806 sq ft  
[Parade of Homes](#)  
Saturday, March 5, 2016  
9:00 am  
3:00 pm

[2204 NE 3rd St](#)  
311  
[404 NW Nottingham Ln](#)  
5



Asking price: \$153,000  
# bedrooms: 4  
1,888 sq ft

[1200 NW Heatherwood Dr](#)



[8327 NE 4th Ter](#)



Asking price: \$97,000  
# bedrooms: 1  
1,022 sq ft

[2006 NE Newport Ct](#)



Asking price: \$191,000  
# bedrooms: 3  
2,938 sq ft  
[900 NE Lin2 Ave](#)



# Questions?

**Gregg Marshall**

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<http://drupal.org/u/greggmarshall>

## Job Offers

**Amanda Marshall**

me@amandamarshall.us

<http://drupal.org/u/amarshall>

<http://bit.ly/D8Views>

50% discount eBook, MD8VeB50

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Expires May 10, 2017



Community Experience Distilled

## Mastering Drupal 8 Views

Accelerate your development process using Drupal 8 views through this advanced, practical guide

Foreword by Jeffrey A. "jam" McGuire - Evangelist, Developer Relations, Acquia

Gregg Marshall

**[PACKT]** open source\*  
PUBLISHING community experience distilled