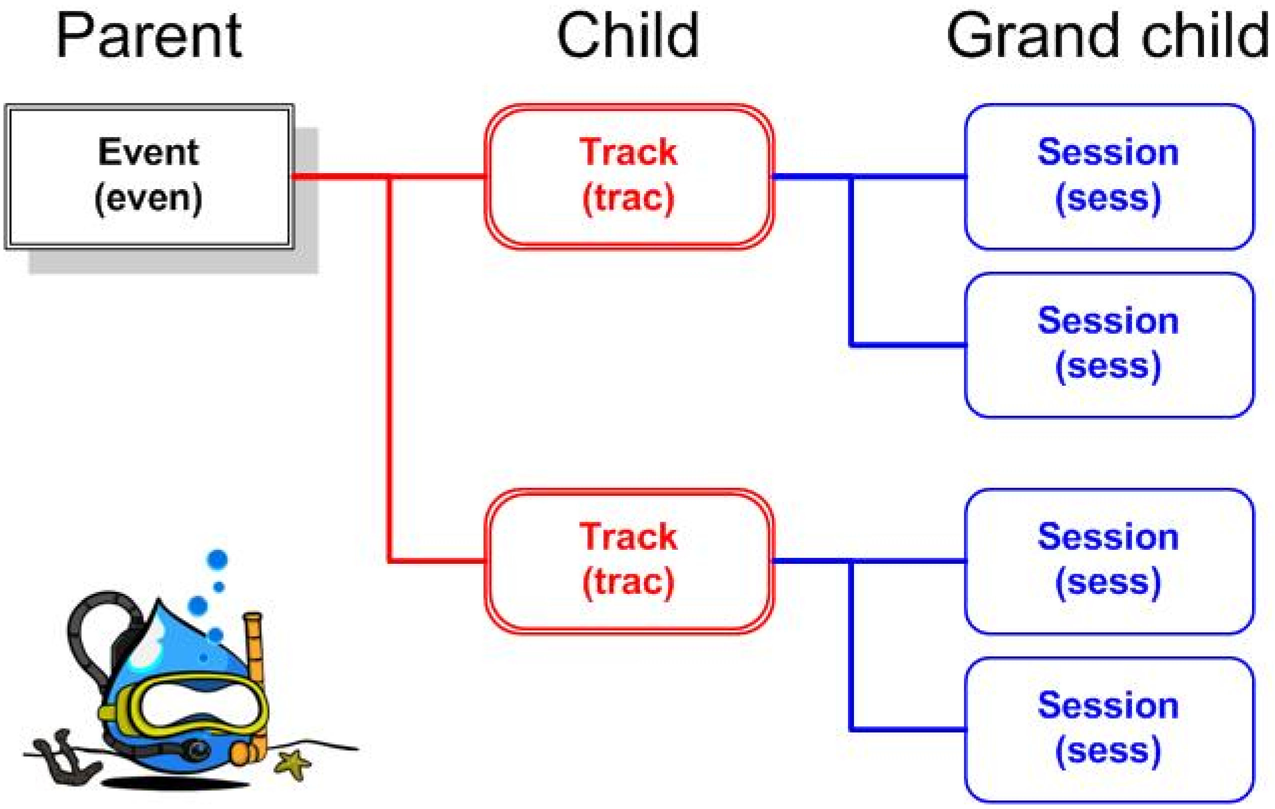
Parent/Child Data Modeling
with Drupal 7 Entities and NO Code



Conceptualize by: Jay Epstein

Written by: Dennis Solis

Diagrams by: Robert Canger

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Introduction

A different approach?

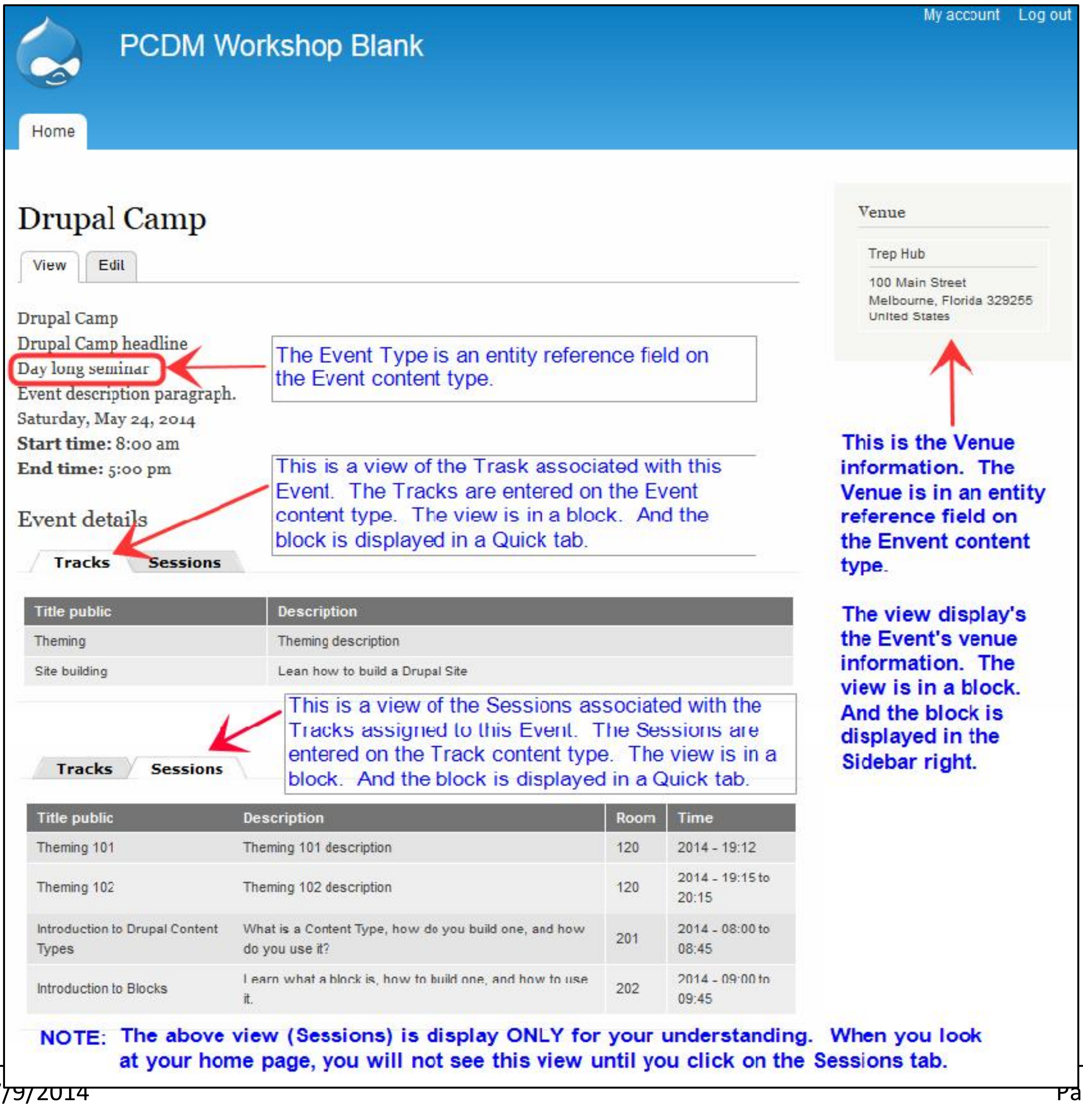
This parent, child, grandchild method presented in this paper takes an opposite approach to the “normal” parent child approach used by most Drupal developers. The “normal” approach is to have the entity reference field on the child record that looks “up” to the parent.

This method had the entity reference on the parent looking down to the child. This approach has the following advantages:

1. You can see all of the children from the parent.
2. Allows the parent to go down the path to find the children, grandchildren, etc.
3. . much more true to life.. plus it makes views wicked fast

Define the project and why it exists.

A new Drupal 7 based event management system to handle multiple events with venue info, tracks, and sessions.



Drupal Camp

Drupal Camp
Drupal Camp headline
Day long seminar
Event description paragraph.
Saturday, May 24, 2014
Start time: 8:00 am
End time: 5:00 pm

The Event Type is an entity reference field on the Event content type.

Event details

This is a view of the Trask associated with this Event. The Tracks are entered on the Event content type. The view is in a block. And the block is displayed in a Quick tab.

Title public	Description
Theming	Theming description
Site building	Lean how to build a Drupal Site

This is a view of the Sessions associated with the Tracks assigned to this Event. The Sessions are entered on the Track content type. The view is in a block. And the block is displayed in a Quick tab.

Title public	Description	Room	Time
Theming 101	Theming 101 description	120	2014 - 19:12
Theming 102	Theming 102 description	120	2014 - 19:15 to 20:15
Introduction to Drupal Content Types	What is a Content Type, how do you build one, and how do you use it?	201	2014 - 08:00 to 08:45
Introduction to Blocks	Learn what a block is, how to build one, and how to use it.	202	2014 - 09:00 to 09:45

Venue

Trep Hub
100 Main Street
Melbourne, Florida 329255
United States

This is the Venue information. The Venue is in an entity reference field on the Envent content type.

The view display's the Event's venue information. The view is in a block. And the block is displayed in the Sidebar right.

NOTE: The above view (Sessions) is display ONLY for your understanding. When you look at your home page, you will not see this view until you click on the Sessions tab.

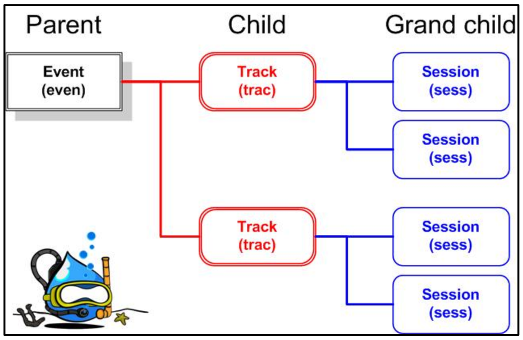
Above is a sample home page for our project.

What is a Parent, Child, Grandchild relationship?:

A Parent, Child, Grandchild database relationship is where three files are logically related. The parent file contains information about a subject. The child table contains "offspring" data that is associated with the parent. And of course, the grandchild data contains "off springs" data that is associated with the child information.

In our case:

1. The Parent information is the Event (Drupal Camp Fort Lauderdale or Drupal Camp Florida).
2. The Child information are the Tracks associated with an Event / Camp.
3. The Grandchild information are the Sessions associated with a Track.



A more detailed explanation can be found in this Wikipedia article.

Project Scope:

To complete a clickable prototype for events, venue, tracks and sessions.

Define the business requirements

Define basic user stories

Future Plans:

- Attendee signups for sessions.
- Session voting.
- Personalized attendee schedule printing from pdf.
- Instructor Bio on Sessions.
- Elegant entity reference selection fields.

Assumed knowledge.

This presentation assumes you have a solid knowledge of the following concepts.

a. Database relationship
    i. Parent / child
    ii. One to one
    iii. One to many
b. Bring up a base Drupal site
c. Download and install modules
d. Create content types
e. Create content

f. Create and use blocks
g. Views
h. Modules
    i. Administration Menu
    ii. Ctools
    iii. Date
    iv. Entity Api
    v. Module Filter
    vi. Path Auto
    vii. Token
    viii. Views

New modules

We will introduce the following modules in this paper, so please do not worry if you are not familiar with them. This paper will not attempt to explain each of the modules, but we will provide links to other articles that explain each of the below modules:

a. Auto Entity Label
b. Entity Connect
c. Entity Reference
d. Field Group
e. Quick tabs
f. Rules
g. Views bulk operations

How are we going to build this?

We will build this site one step at a time. We will:

1. Define the information architecture / parent, child, grandchild relationships.
2. Download the additional modules.
3. Enable the modules.
4. Create the basic web site.
5. Create the content types.
6. Add content.
7. Create / define the views.
8. Create / define the quick tabs.
9. Enable the different blocks.
10. View the home page.

Prep the Engine

Create a basic Drupal seven site

Since there are so many ways to install the Drupal seven site, we cannot provide detailed instruction. Therefore, follow your normal process for downloading and creating a base Drupal seven website on your development machine.

What additional modules do you need?

You will need to download, but DO NOT enable any of the following contributed modules:

Administration Menu:	https://drupal.org/project/admin_menu
Auto Entity Label:	https://drupal.org/project/auto_entitylabel
Ctools:	https://drupal.org/project/ctools
Date:	https://drupal.org/project/date
Entity Api:	https://drupal.org/project/entity
Entity Connect:	https://drupal.org/project/entityconnect
Entity Reference:	https://drupal.org/project/entityreference
Field Group:	https://drupal.org/project/field_group
Module Filter:	https://drupal.org/project/module_filter
Path Auto:	https://drupal.org/project/pathauto
Quicktabs:	https://drupal.org/project/quicktabs
Rules:	https://drupal.org/project/rules
Token:	https://drupal.org/project/token
Views:	https://drupal.org/project/views
Views bulk operations:	https://drupal.org/project/views_bulk_operations

Modules (what to turn on and what to turn off)

a. Enable the basic building block modules:
   i. Admin_menu
   ii. Module_filter
   iii. Ctools
   iv. Views and Views UI

b. Disabled the following modules:
   i. Toolbar
   ii. Overlay. Note, the overlay module require 60% of all PHP resources. This is a very expensive module to leave enabled.

c. Enable the API modules:
   i. Date API
   ii. Entity API
   iii. Token

d. Enable the user interface modules:
   i. Pathauto
   ii. Automatic entity label
   iii. Date popup
   iv. entity connect
   v. Entity reference

vi. Entity tokens
vii. Field group
viii. Quick tabs
ix. Quick tabs styles
x. Rules
xi. Rules ui

Check the watchdog log in Drupal

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The Dev Environment

Content Types and Fields:

Create content types and fields using system specifications documentation.
Using the the attached system specification document, you will need to create the following content types. Note, will create these content types in the order in which they are needed.

For example, venue is not anything else so it will be created first. However, has you can see from the specs, the content type Event is references the Venue, Event type, and Track content types. This means that in order for the content type event to reference some other content type, that content type must already be defined. For example, we cannot define the content type Track until after the content type Session has been created. This is because the content type Track references or is dependent upon the content type Session. Please create the content types in the following order.

1. Venue
2. Event type
3. Session
4. Track
5. Event

Field Groups and the Node UI:

Create the relational UI with groups and tabs.

Disable all block in Sidebar first.:

If you look at the picture our front page, you will notice that there is no sidebar first region. You can accomplish this by following the below instructions.

1. Go to Admin Menu → Structure → Blocks.
2. Scroll down to Sidebar First region.
3. For each block in sidebar first, change the region from sidebar first to none.

URL Aliases:

1. Go to Admin Menu →Configuration → Search and Metadata → URL aliases → Patterns
2. Do not change the Default path pattern.
3. Look down the page for “Pattern for all Events ”.
    a. Enter the following pattern in this field: “event/[node: title]”.
4. Then click on the Save Configuration button.
5. Then click on the Bulk Update tab in the upper right-hand corner.
6. When that pages appears, check the Content paths checkbox and then press the Update button.
7. The system will then update all of the event content types with the new path patterns.
8. Once the update is finished, click on the List tab.
    a. If you have not entered any content yet, then you will not see anything.
    b. If you have any content, you should see that their paths have changed.

Once you’ve completed the above steps, you are done with the section.

Rules &Workflow:

1. Redirects

Admin Dashboard:

1. Create the admin driver's seat.

Naming Conventions:

1. Content Type names versus View names.
    a. Content Types are named in the singular. For example, the Content Types names are Event and Venue and not Events and Venues.
    b. Views are named in the plural. For example, the Views names are Events and Venues and not Event and Venue.

    The reason for this naming convention is if a content type and view our name the same thing, that you will not work in you will have no idea why not. Therefore if you utilize this naming convention you can avoid this problem.

Content Types

Introduction to the basic content types

Below is an overview of the content types and their relationship (aka the data model) that we will be discussing through this document. It is NOT intended to be instructions for creation of these content types. Detailed instructions will be provided later in this section.

Please nte that we have color coded the different content types to make them easier to identify in the diagram on the next page.

Content Type	Parent of	Child of	Purpose
Event	**Event Type** **Venue** **Track**		Contain the basic information for a given event.
Event type	--------	Event	Contain a list of the different types of events.
Venue	--------	Event	Contains a list of the locations at which the camp can be held.
Tracks	**Session**	Event	Contains a list of the different tracks that will be offered at the different Drupal camps.
Session	--------	**Tracks**	Contains one entry for each session that will be offered at the Drupal camp.
Static page	NONE	NONE	The static page is simply going to contain information for the different static pages on the site.

The Event content type has three foreign key. They are:

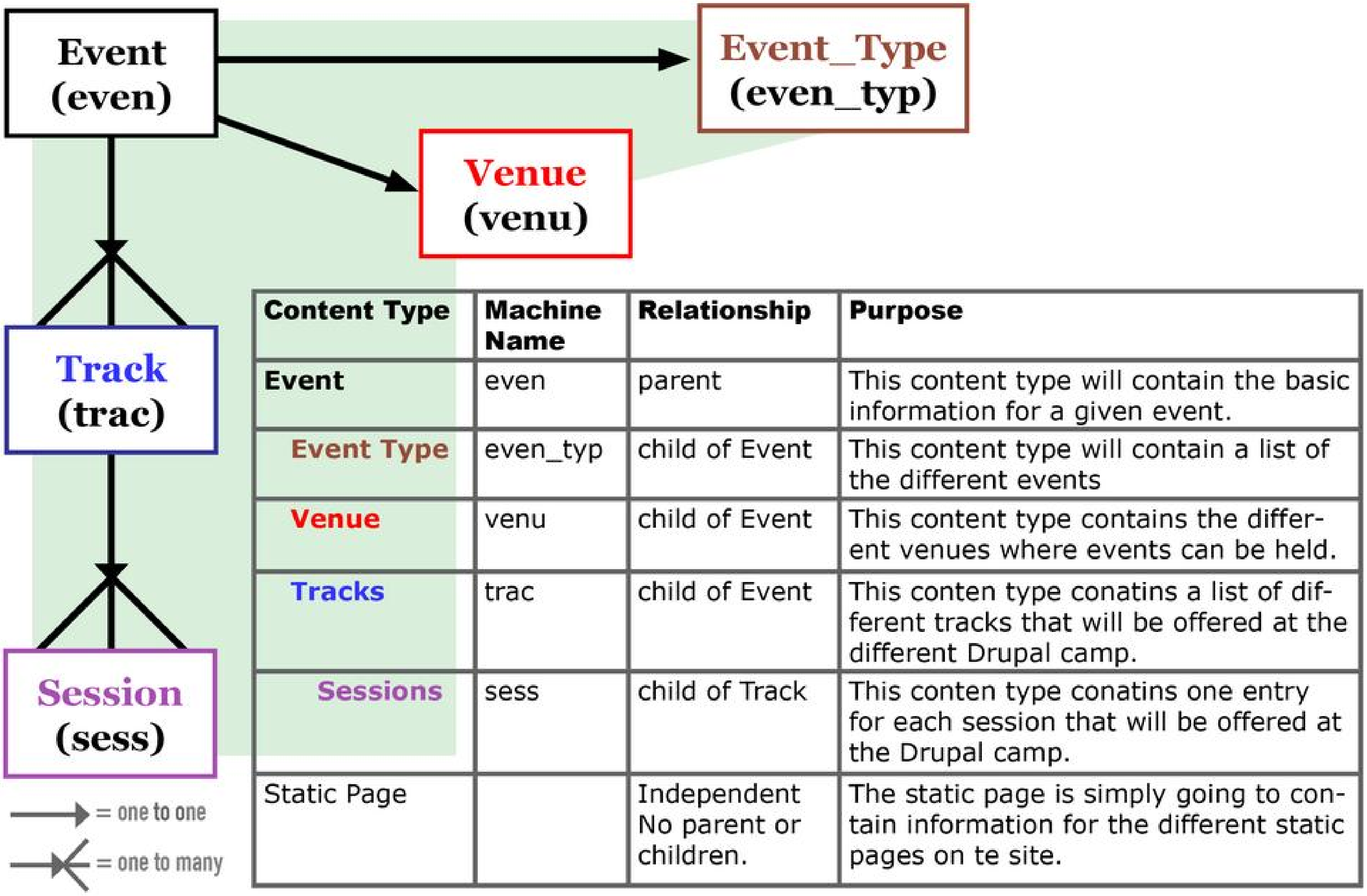
a. **Event Type**. There is only one Event Type associated with an Event. As a result, this is a one-to-one relationship.
b. Venue. - Four our purposed, the Event will only have one venue. Therefore, this is also a one-to-one relationship.
c. **Track** - There will normally be multiple Tracks for a given event. Has a result, this is known has a one to many relationships.

The **Track** content type has one foreign key. It is:

a. **Session** - For a given Track there will be multiple sessions. Therefore this is also a one to many relationship.

Please note that the static page is not on this relationship because it is not involved with the different data relationships.

A diagram of the data relationship appears below.



Content Type	Machine Name	Relationship	Purpose
Event	even	parent	This content type will contain the basic information for a given event.
Event Type	even_typ	child of Event	This content type will contain a list of the different events
Venue	venu	child of Event	This content type contains the different venues where events can be held.
Tracks	trac	child of Event	This conten type conatins a list of different tracks that will be offered at the different Drupal camp.
Sessions	sess	child of Track	This conten type conatins one entry for each session that will be offered at the Drupal camp.
Static Page		Independent No parent or children.	The static page is simply going to contain information for the different static pages on te site.

We are ready to create the different content types. Due to the parent-child relationship some of the content type are dependent upon other content types. Therefore it will be easier if we create the children content types first and then their parents. So for that reason, we will create the content types in the following order:

1. Venue — Venue is not dependent on any other content type. -
2. Event Type — Event Type is not dependent on any other content type.
3. Session — Session is not dependent on any other content type.
4. Track — Track is dependent upon the Session content type.
5. Event — Event is dependent upon the Venue, Event Type, and Track content types.

NOTE:

- All of the following instructions assume that you have the administration menu module enabled and the toolbar module disable. If you have not done this, then some of these instructions may not work.

- When you are creating the below content types, you **must follow all instructions and specifications**. Failure to do so may cause some functionality to not work properly.

If remember to add a content type you

1. Go to the admin toolbar and click Structure -> Content Type -> Add content type.
2. Enter the name and description in the appropriate fields.
3. Regarding the Publishing options, we will want to leave the content type published but **uncheck** “Promoted to front page”.
4. Regarding the Display settings, please **uncheck** display author and date information.
5. Regarding the Menu settings, **uncheck** the main menu.
6. Click on the “Save and add fields” button.

As a general rule when adding content types related to this discussion, we will not be using the body field in any of our content types. Therefore, please DELETE the body field in ALL of the content types we define below.

We will be creating many different field types. Most of them you should be familiar to you. However there are four new field types with which you may not be familiar. They are:

1. Entity reference fields
2. Entity connect
3. Horizontal tab group
4. Horizontal tabs

if you are not familiar with these field types please reference *Appendix B - New module / field types* for a brief discussion of each of the above.

Define Content Type Fields

Venue

Content Type: Venue
Machine Name: venu
Node auto label Chose the "Automatically generate the label and hide the label field" radio button.
Pattern for the title is "[node:field_venu_title_public]"

Label	Machine name	Field type	Widget	Req	Fld Len	# of Values	Others
Title	title	Node module element					
Title public	field_venu_title_public	Text	Text field	Y	60	1	
Sub title	field_venu_sub_title	Text	Text field	N	120	1	
Address 1	field_venu_addr_1	Text	Text field	Y	60	1	
Address 2	field_venu_addr_2	Text	Text field	N	60	1	
City	field_venu_city	Text	Text field	Y	60	1	
State	field_venu_state	List (text)	Select list	Y	2	1	
Zip	field_venu_zip	Text	Text field	Y	10	1	
Country	field_venu_country	List (text)	Select list	Y	4	1	

Event Type

Content Type: Event Type
Machine Name: even_typ
Node auto label Chose the "Automatically generate the label and hide the label field" radio button.
Pattern for the title is "[node:field_even_typ_title_public]"

Label	Machine name	Field type	Widget	Req	Fld Len	# of Values	Other
Title	title	Node module element					
Title public	field_venu_title_public	Text	Text field	Y	60	1	

Session

Content Type: Session
Machine Name: sess
Node auto label Chose the “Automatically generate the label and hide the label field” radio button.
Pattern for the title is “[node:field_sess_title_public]”

Label	Machine name	Field type	Widget	Req	Fld Len	# of Values	Other
Title	title	Node module element					
Title public	field_sess_title_public	Text	Text field	Y	60	1	
Description	field_sess_description	Long text	Text field	Y		1	
Room	field_sess_room	Text	Text field	Y	6	1	
Time	field_sess_time	Date	Pop-up calendar	Y		1	Specify just the time.

Track

Content Type: Track
Machine Name: trac
Node auto label Chose the “Automatically generate the label and hide the label field” radio button.
Pattern for the title is “[node:field-trac-title-public]”

Label	Machine name	Field type	Widget	Req	Fld Len	# of Values	Other
Title	title	Node module element					
Title public	field_trac_title_public	Text	Text field	Y	60	1	
Description	field_trac_description	Text	Text field	Y	60	1	
Related Sessions	field_trac_rel_sess_ref	Entity Reference	Autocomplete Contains Target type: Node Mode: Simple Target bun: Session Sort by : Don’t sort	Y	60	Unlimited	Display Add Entity Connect. Display Edit Entity Connect

Event

Content Type:	Event
Machine Name:	even
Node auto label	Chose the “Automatically generate the label and hide the label field” radio button. Pattern for the title is “[node:field_even_title_public]”

Label	Machine name	Field type	Widget	Req	Fld Len	# of Values	Other
Title public	field_even_title_public	Text	Text field				
Event type	field_even_typ_ref	Entity Reference	Select list Display Edit button: Yes Display Add Button: Yes Entity reference: Node Mode: Simple (with). Bundle: Event type Sort by: Don’t				
Headline	field_even_headline	Text	Text field				
Date	field_even_date	Date	Pop-up calendar				
Start time	field_even_start_time	Text	Text field				
End time	field_even_end_time	Text	Text field				
Description	field_even_descrip	Long text	Text area (multiple rows)				
Related content	group_even_related_content	**HORIZONTAL TAB GROUP**	classes group-event				
Venue	group_even_venue_tab	**HORIZONTAL TAB**	htab closed required_fields yes classes group-even-venue-tab				
Venue	field_even_rel_venue_ref	Entity Reference	Select list Display Edit button: Yes Display Add Button: Yes Target type: Node Entity Selection -------	Y	60	1	

Content Types

Label	Machine name	Field type	Widget	Req	Fld Len	# of Values	Other
			Mode: Simple (with..) Target bundle: Venue Sort by: Don’t Sort				
Tracks	group_even_track_tab	**HORIZONTAL TAB**	htab closed classes group-even-track-tab field-group-htab required_fields yes				
Track	field_even_rel_trac_ref	Entity Reference	Select list Display Edit button: Yes Display Add Button: Yes Target type: Node Entity Selection ------- Mode: Simple (with..) Target bundle: Track Sort by: Don’t Sort				

Manage the display for event type:

1. Hide all of the labels for all of the fields.
2. Drag the Venue and Tracks field down to hidden.
3. Save the page

Go to the home page.

Project Documentation 3: Sitemap

1. Define main menu links

2. Define Views based output

Content Entry

Top down hierarchy node creations

- The Event (parent)
- The Venue (child of Event)
- Tracks (child of Event)
    - Sessions (child of Track)

Enter content for Drupal Camp Fort Lauderdale

Please enter the following content date. The purpose of recording the data you entered is so we can verify the output of the views we will be writing in a later session.

The first Event, Drupal Camp Fort Lauderdale, will have an:

- Event type of classroom sessions
- Venue of Trep hub
- Two tracks; Theming and Site Building

The first Track, Theming, will have two sessions. They are:

- Theming 101
- SASS and Compass

The second Track, Site Building, will have two sessions. They are:

- Creating Content Types
- Creating and configuring Blocks

In an attempt to make the relationships more visual, the Event type, Venue, Tracks, Sessions are all color-coded.

1. Event:

Prompt	Sample Data	Your Data
Title public	Drupal camp Fort Lauderdale	
Event type	click on the pencil to add a new Event Type (see **Event Type** below)	
Headline	Expand your Drupal knowledge	
Date	May 26, 2014	
Start time	8:00 AM	
End time	5:00 PM	
Description		
Venue	click on the pencil to add a new **Venue** (see below)	Note: Discuss the different between adding a items in a select list versus adding an items to and auto select field
Track	click on the pencil to add multiple new **Tracks** (see below)	

Event type - added from the Event content type

Prompt	Sample Data	Your Data
Title public	Classroom sessions	

Venue

Prompt	Sample Data	Your Data
Title public	Trep Hub	
Subtitle	Room 101	
Address 1	100 Main St.	
City	Melbourne	
State	Florida	
Zip	32955	

Tracks - Theming

Prompt	Sample Data	Your Data
Title public	Theming	
Description	Learn the ins and outs of theming a Drupal website	
Sessions	click on the pencil to add multiple new **Sessions** (see below). Please note, you will be creating multiple sessions for this track.	

Sessions (for Theming)

Prompt	Sample Data	Your Data
Title public	Theming 101	
Room	101	
Time	9:00 AM	
Description	Introduction to Drupal theming	

Sessions (for Theming)

Prompt	Sample Data	Your Data
Title public	SASS and Compass	
Room	102	
Time	10:00 AM	
Description	Learn how to use sass and compass to generate CSS.	

Tracks - Site Building

Prompt	Sample Data	Your Data
Title public	Site Building	
Description	Learn the ins an outs of building a Drupal website.	
Sessions	click on the pencil to add multiple new **Sessions** (see below). Please note, you will be creating multiple sessions for this track.	

Sessions (for Site Building)

Prompt	Sample Data	Your Data
Title public	Creating Content Types	
Room	103	
Time	9:00 AM	
Description	Learn the basics of creating a content type	

Sessions (for Site Building)

Prompt	Sample Data	Your Data
Title public	Creating and configuring Blocks	
Room	104	
Time	10:00 AM	
Description	Learn what a block is, how to build one, and how to use it.	

Enter content for Drupal Camp Florida

Please enter the following content date. The purpose of recording the data you entered is so we can verify the output of the views we will be writing in a later session.

The first Event, Drupal Camp Florida, will have an:

- Event type of classroom sessions
- Venue of Florida Technical College
- Two track: Beginners, Coding

The first track, Beginners, will have two sessions. They are:

- Introduction To Content Types.
- Zero to Live in 45 minutes.

The second track, Coding, will have two sessions. They are:

- Introduction To PHP
- Introduction To Drupal Modules

In an attempt to make the relationships more visual, the Event type, Venue, Tracks, Sessions are all color-coded.

2. Event:

Prompt	Sample Data	Your Data
Title public	Drupal camp Florida	
Event type	click on the pencil to add a new Event Type (see **Event Type** below)	
Headline	Welcome to Central Florida Drupal Camp.	
Date	August 26, 2014	
Start time	8:00 AM	
End time	5:00 PM	
Description		
Venue	click on the pencil to add a new **Venue** (see below)	Note: Discuss the different between adding a items in a select list versus adding an items to and auto select field
Track	click on the pencil to add multiple new **Tracks** (see below)	

Event type - added from the Event content type

Prompt	Sample Data	Your Data
Title public	Classroom sessions	

Venue

Prompt	Sample Data	Your Data
Title public	Florida Technical College	
Subtitle	Science building	
Address 1	100 Main St.	
City	Orlando	
State	Florida	
Zip	32955	

Tracks - Beginners

Prompt	Sample Data	Your Data
Title public	Beginners	
Description	Introduce new people to building Drupal websites.	
Sessions	click on the pencil to add multiple new **Sessions** (see below). Please note, you will be creating multiple sessions for this track.	

Sessions (for Beginners)

Prompt	Sample Data	Your Data
Title public	Introduction To Content Types	
Room	101	
Time	9:00 AM	
Description	Learn what a content type is how to create one.	

Sessions (for Beginners)

Prompt	Sample Data	Your Data
Title public	Zero To Live In 45 Minutes	
Room	102	
Time	10:00 AM	
Description	Learn how to create a website and launch.	

Tracks - Coding

Prompt	Sample Data	Your Data
Title public	Coding	
Description	Learn how to write custom Drupal modules.	
Sessions	click on the pencil to add multiple new **Sessions** (see below). Please note, you will be creating multiple sessions for this track.	

Sessions (for Coding)

Prompt	Sample Data	Your Data
Title public	Introduction to PHP	
Room	103	
Time	9:00 AM	
Description	Learn the basics of the PHP language.	

Sessions (for Site Building)

Prompt	Sample Data	Your Data
Title public	Introduction to Drupal modules	
Room	104	
Time	10:00 AM	
Description	Learn the basics of writing a Drupal module.	

Views

Create views for the different content types.

Before we proceed any further, let's take a quick look at the data we've already entered into the website. The purpose of this is to ensure we fully understand what information is in what content type. At a later point in time, we will expand these reports to list the "orphan" content types.

Let's create the different views required to bring this site to life.

Normally have previously

- We're going to add a few views to display the content of the different content types.
- Instead of combining the venue, tracks, sessions views into a single view, we will create three separate views. The reason for this are:
    - Each view is substantially different from the other.
    - It simplifies the views as we do not have to remember to specify override this view has we change each of the three views.
- We will be adding other views which were not discussed in the seminar due to lack of time.

NOTE: This paper is going to take a slightly bit different approach to creating the required views then what was presented in the seminar. In the seminar, all of the views were created has sub views under one master view.

This paper is going to create each view has its own standalone view. The reason for this is to simplify the view creation process. If you have multiple "sub views" within a master view, every time you make a change you have to remember to specify whether or not this change applies to all views or just the current view. If each view is its own separate standalone view, then you do not have to worry about this issue.

When I was building the different views, I constantly forgot to specify that the change applied only to the current view. Needless to say, this caused quite a few problems. If you do not have a problem remembering to specify that the change only applies to the current view, then feel free to consolidate all of your views into one single master view. However, if you are new to building views then I suggest you keep it simple and create separate views for each of the required views.

Create a page view that lists the Events.

Introduction

This View's Goal

This view will simply list all of the content type of Event. The purpose of this view is simply to show you all of the different event you entered.

Adding the view

View name:	CT - Events
Description:	Sorted list of all Event content types
Show	Content of type Event
Create a page view	
Page Title	CT - Events
Path	reports/ct-events
Display format	table
Items to display	10

Add Fields - search for fields with the string "even" in them.

- Title public
- Event type
- Venue
- Start time
- End time
- Description
- Headline
- Track

Filter criteria - search for fields with the string "even" in them.

- Published (Yes)
- Type (= Event)

Output for the Events view

Title public	Event type	Venue	Date	Start time	End time	Description	Headline	Track
Drupal Camp	Class room sessions	Trep Hub	05/24/2014	8:00 am	5:00 pm	Event description paragraph.	Drupal Camp headline	Theming Site Building

Create a page view that lists the Event Types.

Introduction

This View's Goal

This view will simply list all of the content type of Event. A second version of this view, which we will discuss later, will list all of the "orphan" Event Types.

Adding the view

View name:	CT - Event types
Description:	Sorted list of all Event Type content types
Show	Content of Type Event
Create a page view	
Page Title	CT Event types
Path	reports/ct-event-types
Display format	table
Items to display	10

Add Fields - search for fields with the string "even_typ" in them.

- Title public

Filter criteria - search for fields with the string "even" in them.

- Published (Yes)
- Type (= Event type)

Output for the Event Types view

Title public
Day long class
Day long seminar
Class room sessions

Create a page view that lists the Tracks.

Introduction

This View's Goal

This view will simply list all of the content type of Track. A second version of this view, which we will discuss later, will list all of the "orphan" Tracks.

Adding the view

View name:	CT - Tracks
Description:	Sorted list of all Tracks content types
Show	Content of type Event
Create a page view	
Page Title	CT Tracks
Path	reports/ct-tracks
Display format	table
Items to display	10

Add Fields - search for fields with the string "even" in them.

- Title public
- Description
- Related Sessions

Filter criteria - search for fields with the string "trak" in them.

- Published (Yes)
- Type (= Track)

Output for the Tracks view

Title public	Description	Related Sessions
Site building	Learn the ins an outs of building a Drupal website	Introduction to Drupal Content Types, Introduction to Blocks
Theming	Learn the ins and outs of theming a Drupal website.	Theming 101, Theming 102

Create a view that list the Sessions

Introduction

This View's Goal

This view will simply list all of the content type of Session. A second version of this view, which we will discuss later, will list all of the "orphan" Sessions.

Adding the view

View name:	CT -Sessions
Description:	Sorted list of all Sessions content types
Show	Content of type Session
Create a page view	
Page Title	CT Sessions
Path	reports/ct-sesions
Display format	table
Items to display	10

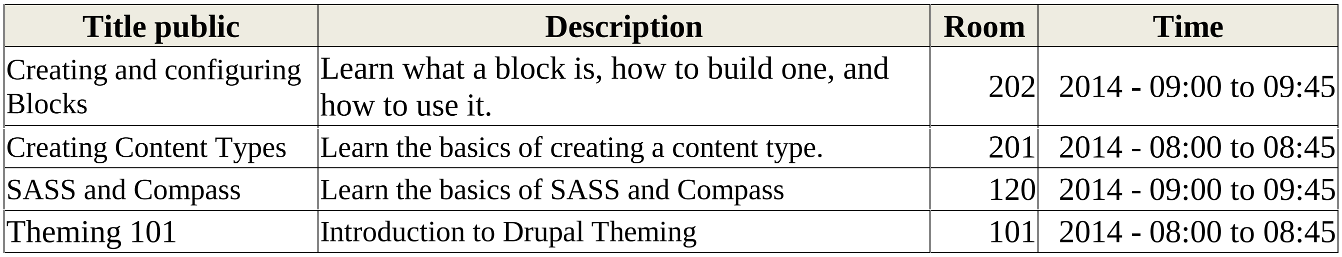
Add Fields - search for fields with the string "sess" in them.

- Title public
- Description
- Room
- Time

Filter criteria - search for fields with the string "even" in them.

- Published (Yes)
- Type (= Session)

Output for the Sessions view



Title public	Description	Room	Time
Creating and configuring Blocks	Learn what a block is, how to build one, and how to use it.	202	2014 - 09:00 to 09:45
Creating Content Types	Learn the basics of creating a content type.	201	2014 - 08:00 to 08:45
SASS and Compass	Learn the basics of SASS and Compass	120	2014 - 09:00 to 09:45
Theming 101	Introduction to Drupal Theming	101	2014 - 08:00 to 08:45

Display the Event's Venue in a block.

Introduction

This View's Goal

This view will display the Event's Venue name and address in a block. The block will appear in the sidebar second region anywhere it is displayed. If you remember, the Venue field is an entity reference field on the Event content type that "connects" the Event to the Venue.

The final output of our view should be something like:

Trep Hub
100 Main Street
Melbourne, Florida 329255
United States

To accomplish this, we will create a view in a block. This view will be created as a table of fields. It will list each of the desired fields. Once that is working, we will then consolidate the different field into one single field.

If you remember, we configure the auto path for all events nodes to have a path of event/event title. We will then configure the block to appear on pages where the path starts with "event". And finally, we will place the block in the Sidebar Second region.

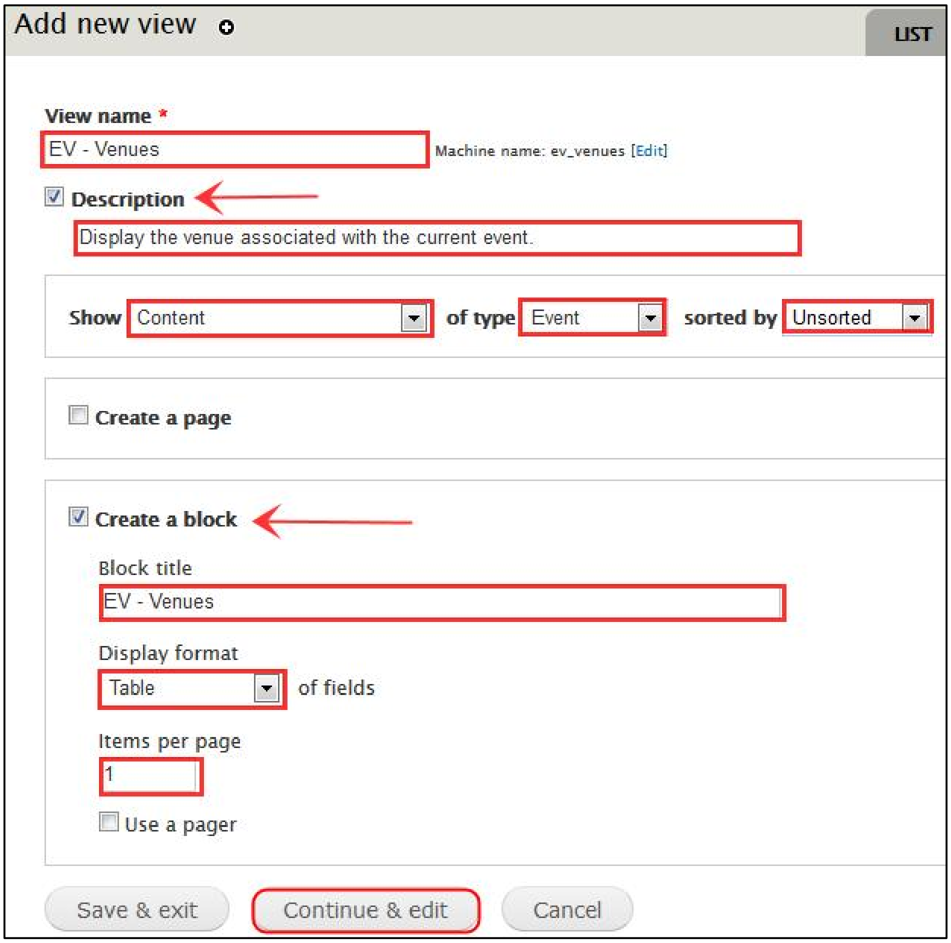
NOTE: The following instructions are very detailed and it is critical that they be followed exactly. Any deviation may result in the view producing incorrect results. These instructions have been tested and are known to work. Therefore, if your view does not work, it is most likely that something was setup incorrectly.

Adding the view

You will need to “Add a new view”. The view specifications are:

View name:	EV - Venues (EV is an abbreviation for event)
Description:	Display the venue associated with the current event.
Show	Content of type Event.
Sorted by	Unsorted
Uncheck	Create a page.
Check	Create a block
Block title	Block: Venue
Display format	table of fields
Items to display	1

Click on “Continue & edit”



Add new view

View name * EV - Venues Machine name: ev_venues [Edit]

☑ Description
Display the venue associated with the current event.

Show Content of type Event sorted by Unsorted

☐ Create a page

☑ Create a block

Block title
EV - Venues

Display format
Table of fields

Items per page
1

☐ Use a pager

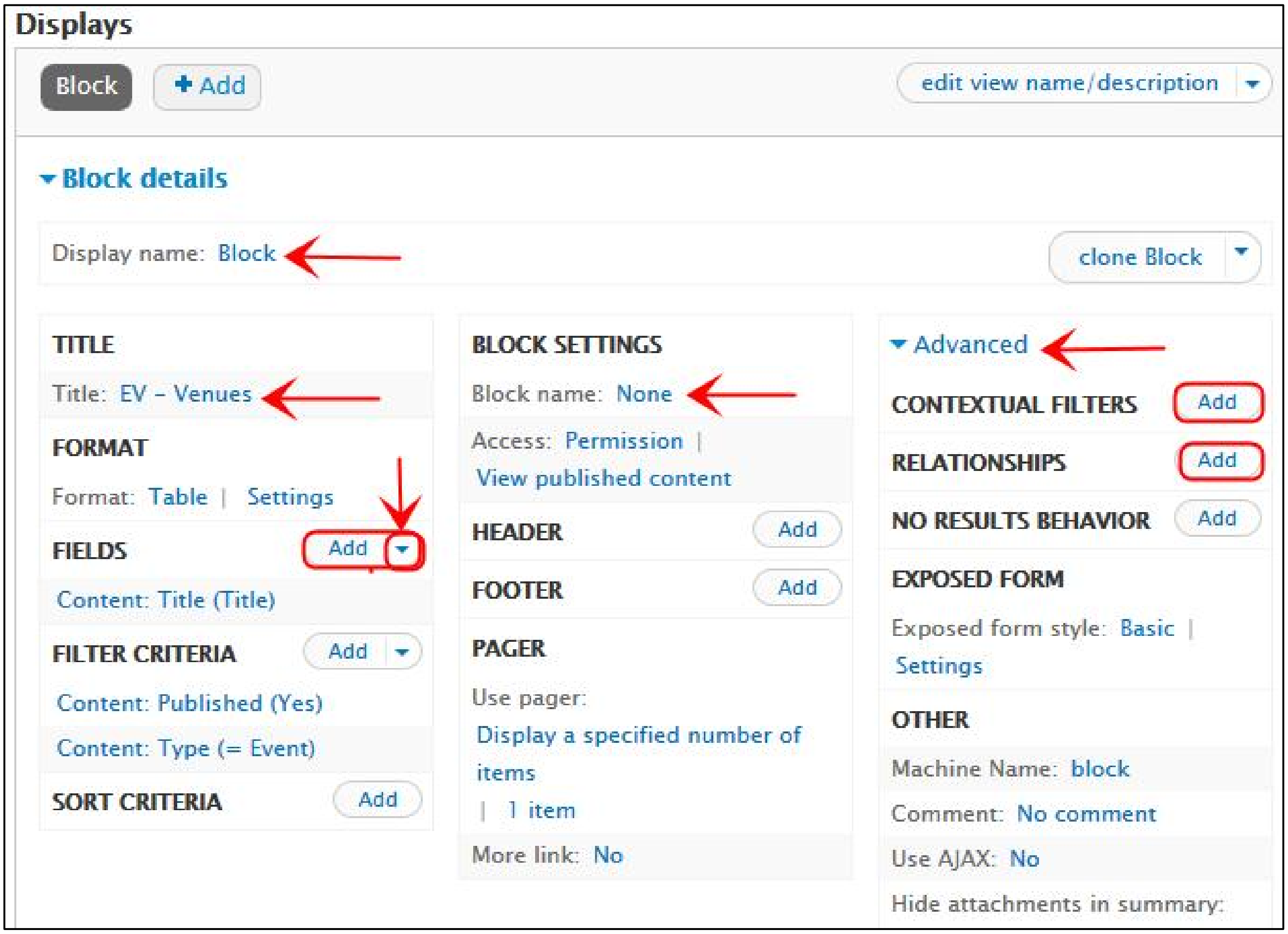
Add view to display Venue information for a Event.

Next we are going to set some basic values for this view.

1. Ensure the display name is **Block: Venue**. To do this:
   a. Click on the display name and set the name to **Block: Venue**.
   b. Set the description to “Display the Event’s venue information in a block.”.
   c. Click on apply.

2. If necessary, click on the Tile and change it to EV - Venue.

3. Set the blocks’ name. You do this by:
   a. Clicking on the block name, which is at the top of the center column.
   b. Set the block name to **Event venue block**
   c. Click on apply.



Displays

Block | ✚ Add | edit view name/description ▾

▾ Block details

Display name: Block | clone Block ▾

TITLE
Title: EV – Venues

FORMAT
Format: Table | Settings

FIELDS Add ▾
Content: Title (Title)

FILTER CRITERIA Add ▾
Content: Published (Yes)
Content: Type (= Event)

SORT CRITERIA Add

BLOCK SETTINGS
Block name: None
Access: Permission | View published content

HEADER Add

FOOTER Add

PAGER
Use pager: Display a specified number of items | 1 item
More link: No

▾ Advanced

CONTEXTUAL FILTERS Add

RELATIONSHIPS Add

NO RESULTS BEHAVIOR Add

EXPOSED FORM
Exposed form style: Basic | Settings

OTHER
Machine Name: block
Comment: No comment
Use AJAX: No
Hide attachments in summary:

The above diagram show you all of the buttons and heading we will be using to build this view.

Add a relationship

Next, we need to associate the Event with its Venue. We will do this by setting up a relationship to the venue content type. This is done by:

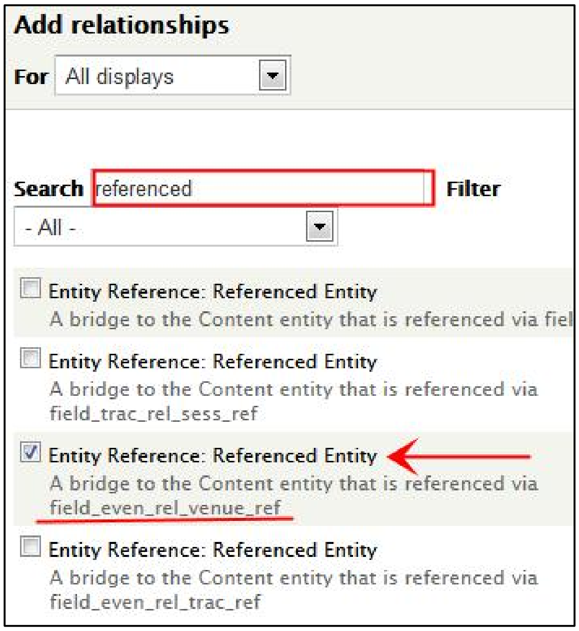
1. Click on "ADVANCE" heading, which is on the right hand side of the page and about halfway down. When you click on the Advanced heading, quite a few fields will appear below.

2. Locate the Relationship heading.

3. Click on the Add button, which is to the right of the word Relationship.

4. In the search box, type the word "**referenced**", without the quotes.

5. From the resulting list, check the box next to the field "**field_even_rel_venue_ref**". If you look at Create Event Content Type notes, you will see that field_even_rel_venue_ref is the machine name for the entity reference Venue.



Add relationships

For: All displays

Search: referenced   Filter: - All -

□ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via fiel

□ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_trac_rel_sess_ref

☑ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_venue_ref

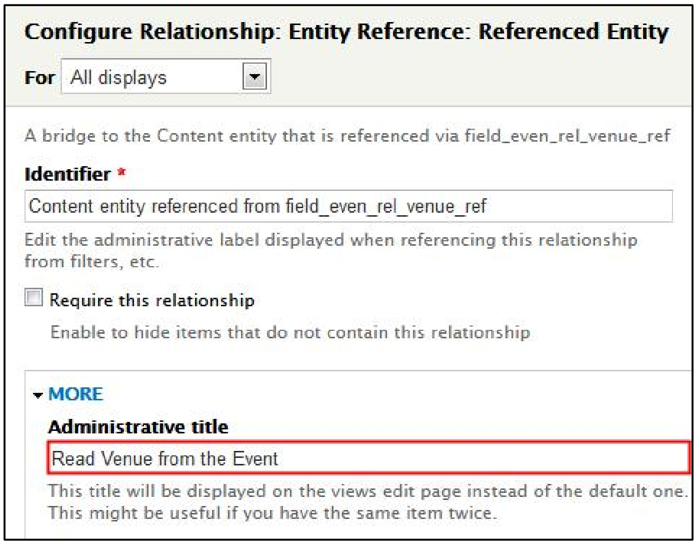
□ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_trac_ref

6. Click Apply.

7. Click on the More heading in the Configure Relationship: Entity Reference: Referenced Entity window. In the administrative title field, enter "Read the Venue from the Event". This this provides us with an easier to read title.

8. Click apply.

9. Under the Relationship heading it should now display the text "**Read the Venue from the Event**". If it does not, then you did something wrong. Please go back and review the instruction and correct the problem.



Configure Relationship: Entity Reference: Referenced Entity

For: All displays

A bridge to the Content entity that is referenced via field_even_rel_venue_ref

Identifier *
Content entity referenced from field_even_rel_venue_ref
Edit the administrative label displayed when referencing this relationship from filters, etc.

□ Require this relationship
Enable to hide items that do not contain this relationship

▾ MORE

Administrative title
Read Venue from the Event
This title will be displayed on the views edit page instead of the default one. This might be useful if you have the same item twice.

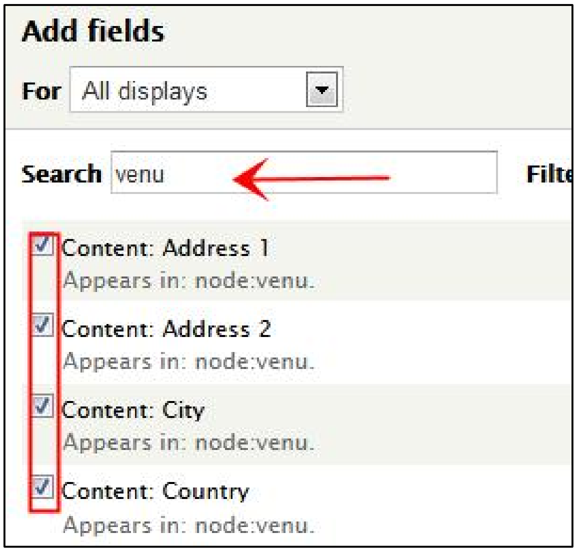
I do not mean to be flippant with this last comment. But, there are so many places where you could have make a mistake, it is impossible to try to list all of them here. However, people have tested the above instructions so we know the instructions are correct. Please review each of the instructions and make sure your view matches the instructions **EXACTLY**.

Add fields

Next, we’re going to add the fields that will be included in this view. Please note that we are going to do this in a multistep process so that you can see how each step affects the view.

1. Click on the Add button to the right of the word Fields.

2. In the resulting search box that is displayed, enter the string “**venu**”. You will notice that this brings up all of the fields and the node type venue. You will want to select all of the fields that appear in the node venue. They are:
    a. Title public
    b. Sub title
    c. Address 1
    d. Address 2
    e. City
    f. State
    g. Zip
    h. Country



Add fields

For All displays ▾

Search venu Filte

☑ Content: Address 1
Appears in: node:venu.

☑ Content: Address 2
Appears in: node:venu.

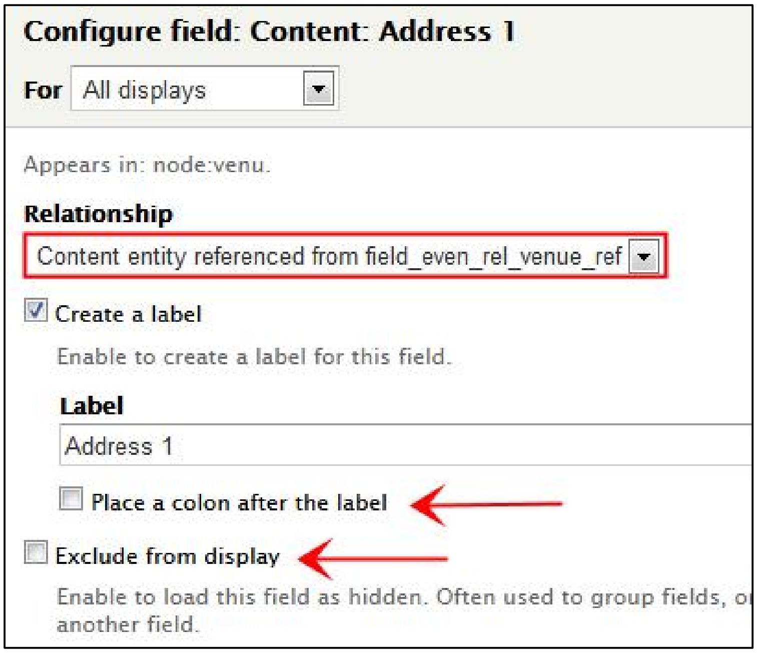
☑ Content: City
Appears in: node:venu.

☑ Content: Country
Appears in: node:venu.

3. For each of the above fields you will need to:
    a. Change the relationship field from “**do not use a relationship**” to “**Content entity reference from field_even_rel_venue_ref**”.

    b. If you want, you can uncheck “Place A: after the label”. It does not really matter, because we will eventually exclude these data fields from the display.

    c. **Note:** please notice the “Exclude from display” checkbox. Later in this view, we will need to select each of these fields and exclude them from the display. This is done by checking the “Exclude from display” checkbox.



Configure field: Content: Address 1

For All displays ▾

Appears in: node:venu.

Relationship
Content entity referenced from field_even_rel_venue_ref ▾

☑ Create a label
Enable to create a label for this field.

Label
Address 1

□ Place a colon after the label

□ Exclude from display
Enable to load this field as hidden. Often used to group fields, o
another field.

    d. Click on the Apply button.

4. After you have select the fields, you will need to rearrange them because they will not be in the proper order. To rearrange the fields:
    a. Click on the down arrow next to the word Add Field button.

b. The new option that will be displayed is Rearrange.
c. Click on rearrange.
d. You can now drag and drop the different field so there in the proper sequence.
e. Click on apply.

At this point your output should look similar to:

Title	Title Public	Sub Title	Address 1	Address 2	City	State	Zip	Country
Drupal Camp	Trep Hub	Room 101	100 Main Street		Melbourne	Florida	329255	United States

If you compare are output to the desired output, you will see that we have all the data values but not in the desired format. So now let's change our view so that displays the data in our desired format. To do this, we need to

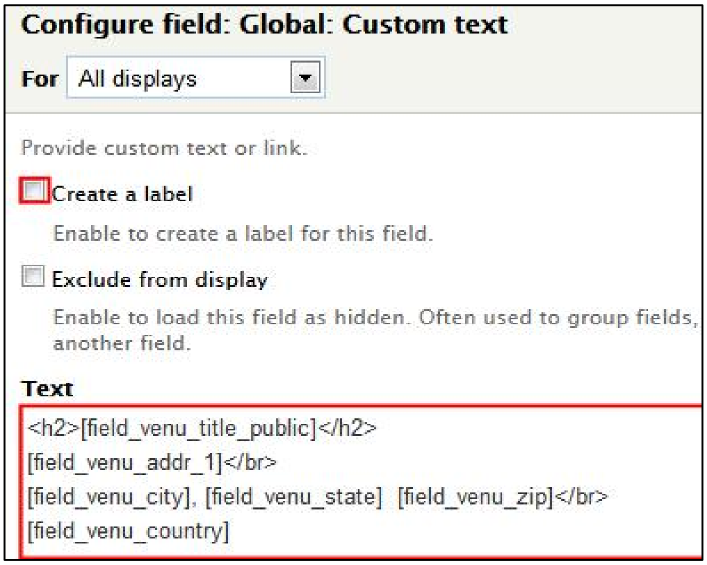
1. Click on Add Field.

2. In the Search box, enter "Global"

3. Choose "Global text field".

4. Please be sure to uncheck the "Create a label" check box.

5. in the text fields, please enter the following values:
   <h2>[field_venu_title_public]</h2>
   [field_venu_addr_1]</br>
   [field_venu_city], [field_venu_state]
   [field_venu_zip]</br>
   [field_venu_country]



Configure field: Global: Custom text

For All displays

Provide custom text or link.

□ Create a label

Enable to create a label for this field.

□ Exclude from display

Enable to load this field as hidden. Often used to group fields, another field.

Text

```
<h2>[field_venu_title_public]</h2>
[field_venu_addr_1]</br>
[field_venu_city], [field_venu_state]  [field_venu_zip]</br>
[field_venu_country]
```

What the above global field does is concatenates all of the individual field into one single multiline field. In addition, we also highlight the venue name field (field_venu_title_public). Now that we have created a global text field that combines all of our individual fields into a single field, we can now exclude all of the individual fields from the view. To do this, select the following fields and exclude them from the display:

- Title
- Address 1
- Address 2
- City
- Country
- State
- Sub title
- Title public
- Zip

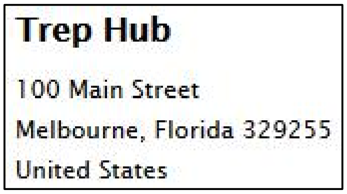
To exclude each field, you need to each of the below steps for each field::

1. Click on the individual field.
2. Uncheck the "Create a label" checkbox.
3. Check the "Exclude from display" check box.

4. Click on the apply button.

Once you've made all the above changes, the only field that should be displayed is the global text field. Your views should have an output similar to the output on the right.

If your output is not similar to the text on the right, then something is wrong with your global text field. Please review the instructions for the global text field and see the figure out your problem. If your output is similar to the output on the right, then your view is working. Please remember to save your view before you proceed on to the next step.



Trep Hub

100 Main Street

Melbourne, Florida 329255

United States

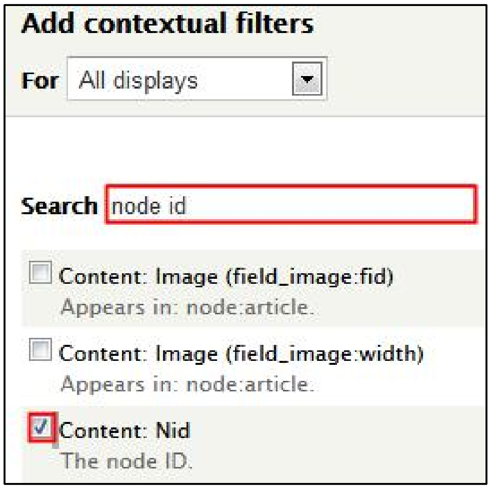
Add a contextual filter

We have one last change to make to this view before it is complete. We need to add a Contextual Filter that will cause this view to only display the Venue associated with the current event. (Drupal will automatically pass the current Event node id in the URL when this view is run.)

If you've not added a contextual filter before, please read Appendix D - Add a Contextual Filter.

We need to add a contextual filter that will filter by the Event's node id. To do this:

1. Click on the add button to the right of the Contextual Filter header
2. Select the Content: Nid field.
3. Do not use a relationship.
4. However, under the heading "**When the filter value is not available** " click on the "**Provide default value**" radio button.
5. From the "**Type**" dropdown menu, choose "**Content ID from URL**".
6. Click on apply.



Add contextual filters

For: All displays

Search: node id

☐ Content: Image (field_image:fid)
Appears in: node:article.

☐ Content: Image (field_image:width)
Appears in: node:article.

☑ Content: Nid
The node ID.

Once we have added the contextual filter, the view will not produce any output! What happened? Don't worry, this is be expected. If you remember we just added a contextual filter of Event node ID. However, we have not supplied an Event node ID.

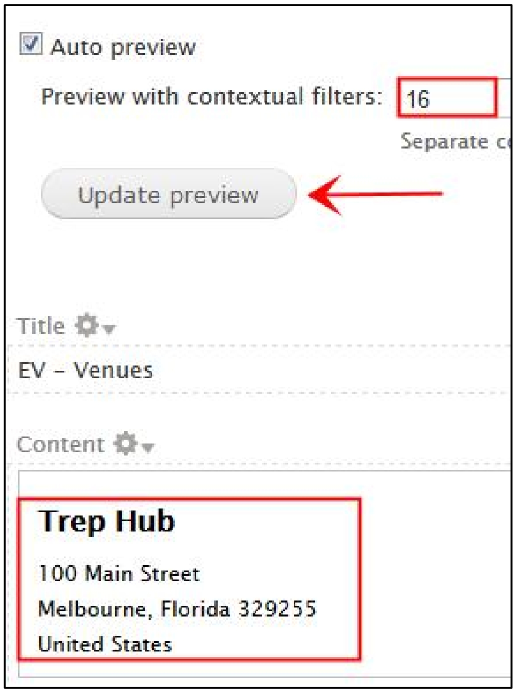
Please find the node ID for your content type "Drupal Camp Fort Lauderdale". If you do not know how to do it this, please read Appendix C - Find a node's "nid".

Now that you have the node ID, you need to enter the node ID in field entitled “Preview with contextual filters” and click on the Update preview button.

Once you do this, the Venue information for this Event node ID should appear in the content section of your view. If your Venue information appears in the content section of the view, then you are to move to the final step

If it does not, then there is something wrong with your contextual filter. Please review the contextual filter instructions, and try again.

Congratulations! You have properly built the view. Now it’s time to put the block in sidebar second and configure the block to only appear on pages where the content type Event is displayed.



☑ Auto preview

Preview with contextual filters: 16

Separate c

EV – Venues

Trep Hub
100 Main Street
Melbourne, Florida 329255
United States

To display our view in a block in the Sidebar Second region, we will need to move the Event venue block to the Sidebar Second region and then specify that this block should only appear on Event pages. To do this, you need to:

1. Go to the Admin Menu → Structure → Blocks.

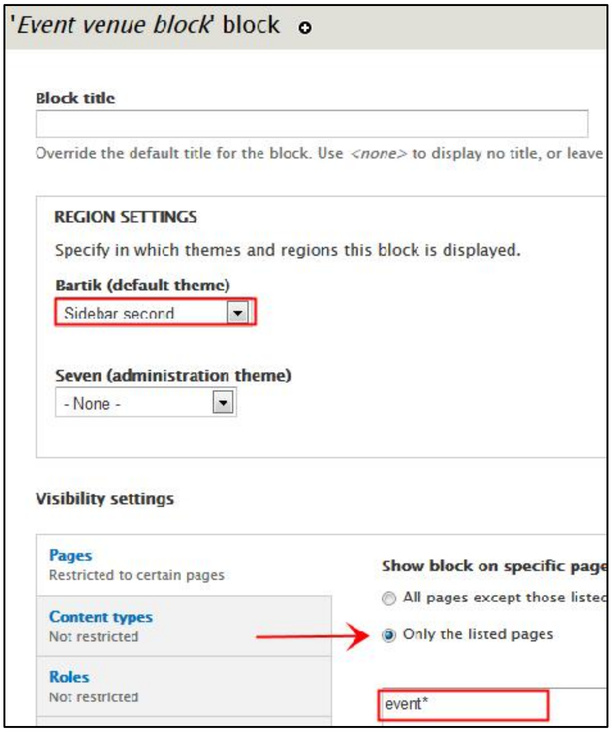
2. Scroll down the page until you find the block with the name you gave a block in that you specifications. In my case,. My block name is "Event venue block".

3. Once you found your block, change the region from none to Sidebar second.

4. Scroll down the page to get to the vertical tabs, and select "Pages" vertical tab. Under the text "Show block on specific pages", click on the "Only the listed pages".

5. In the text box below the radio button, enter the text" event*".

6. Click on Save block.



'*Event venue block*' block

Block title

Override the default title for the block. Use *<none>* to display no title, or leave

REGION SETTINGS

Specify in which themes and regions this block is displayed.

Bartik (default theme): Sidebar second

Seven (administration theme): - None -

Visibility settings

Pages
Restricted to certain pages

Content types
Not restricted

Roles
Not restricted

Show block on specific page

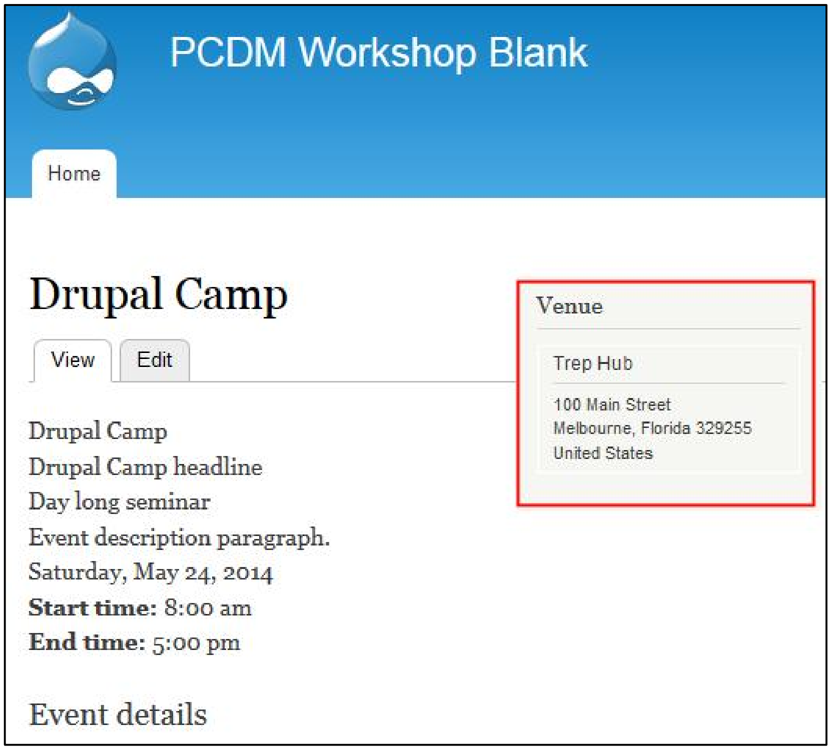
○ All pages except those listed

● Only the listed pages

event*

Once you've completed the above, please click on the home button.

Your homepage should now have the Event information in the main content region and the Venue information in the sidebar second region. At this point your home page should look like the image on the right.



PCDM Workshop Blank

Home

Drupal Camp

View | Edit

Drupal Camp
Drupal Camp headline
Day long seminar
Event description paragraph.
Saturday, May 24, 2014
Start time: 8:00 am
End time: 5:00 pm

Event details

Venue

Trep Hub

100 Main Street
Melbourne, Florida 329255
United States

Congratulations, you have created a single page that is now displaying information from three different nodes:

1. Event node
2. Event type node
3. Venue node

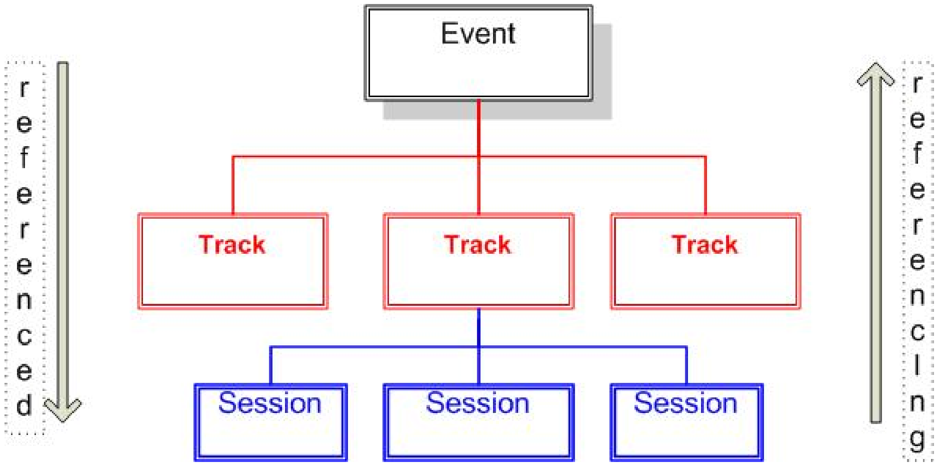
The next couple of views will add the Track and Sessions to this Event. Once we have those views added, you will be display **five** different nodes on a single page!

Understanding directional relationships (up and down the "family tree")

As you know, we have three tables:

1. Events, which is the parent table.
2. **Tracks**, which is the child relationship table.
3. **Sessions**, which is the grandchild relationship table.

There are many "ways" to envision the relationship. One way to envision a parent / child / grandchild table relationship is to think of it as a "tree" or an "organizational chart".



You can traverse up and down the organizational chart. That is, you can start at the top and work your way down to the bottom. Or you can start at the bottom and work your way up. Just as you can traverse up and down an organizational chart, you can also traverse up and down a parent / child / grandchild relationship tree.

One way to do this in Drupal is to use Views. To traverse down the tree, you need to start with an Event and use the "referenced from" variables to connect to the Track content type. To traverse up the tree, you will need to start with the Session and use the "referencing" variable to connect to the Track content type.

Then next four views:

1. Display Tracks for an Event
2. Display Sessions for an Event
3. Orphan Tracks
4. Orphan Sessions

will use the above concepts to implement these views.

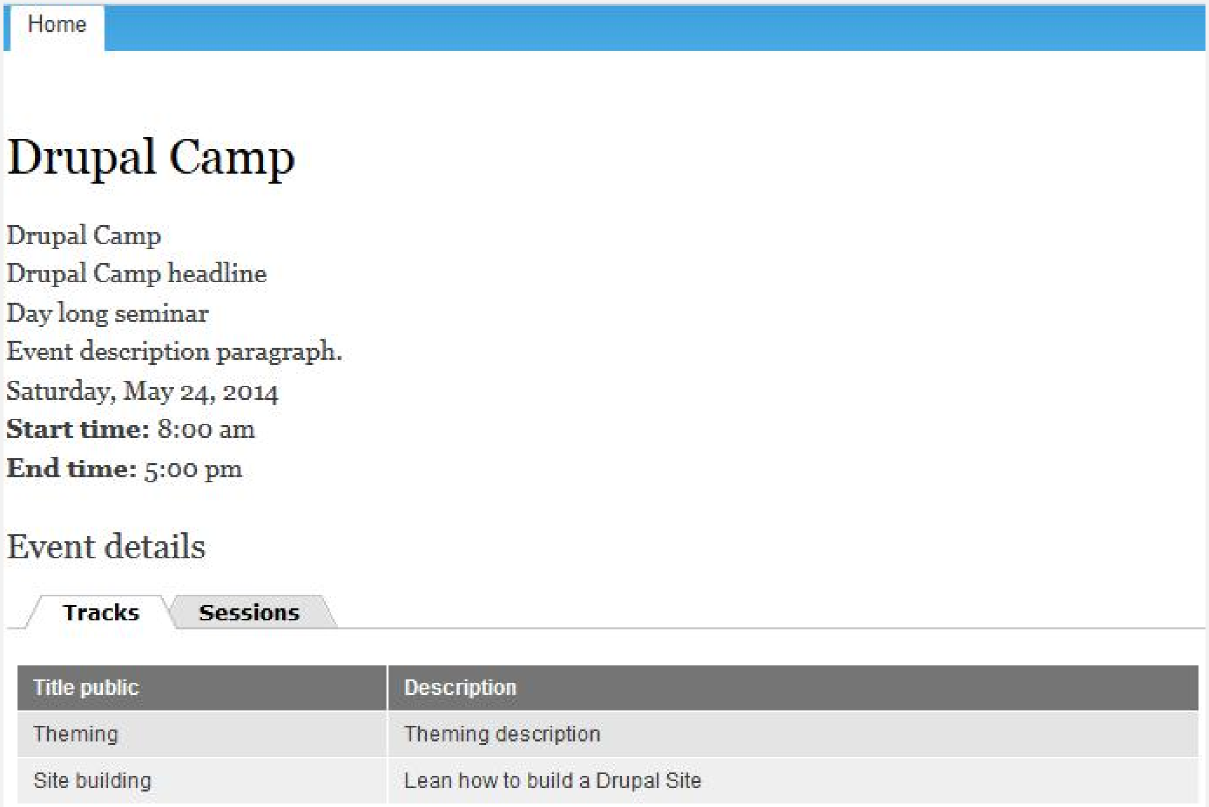
Create a view that display the Track for a an Event

Introduction

This View's Goal

This view will display all of the Tracks for a given Event. This information will be displayed in a block. That block will be displayed in a "Quick Tab" on the Event's page.

The final output of our view should like the Tracks tab in the below image. Note: the quick tabs module will display our blocks in the different tabs.



Drupal Camp

Drupal Camp
Drupal Camp headline
Day long seminar
Event description paragraph.
Saturday, May 24, 2014
Start time: 8:00 am
End time: 5:00 pm

Event details

Title public	Description
Theming	Theming description
Site building	Lean how to build a Drupal Site

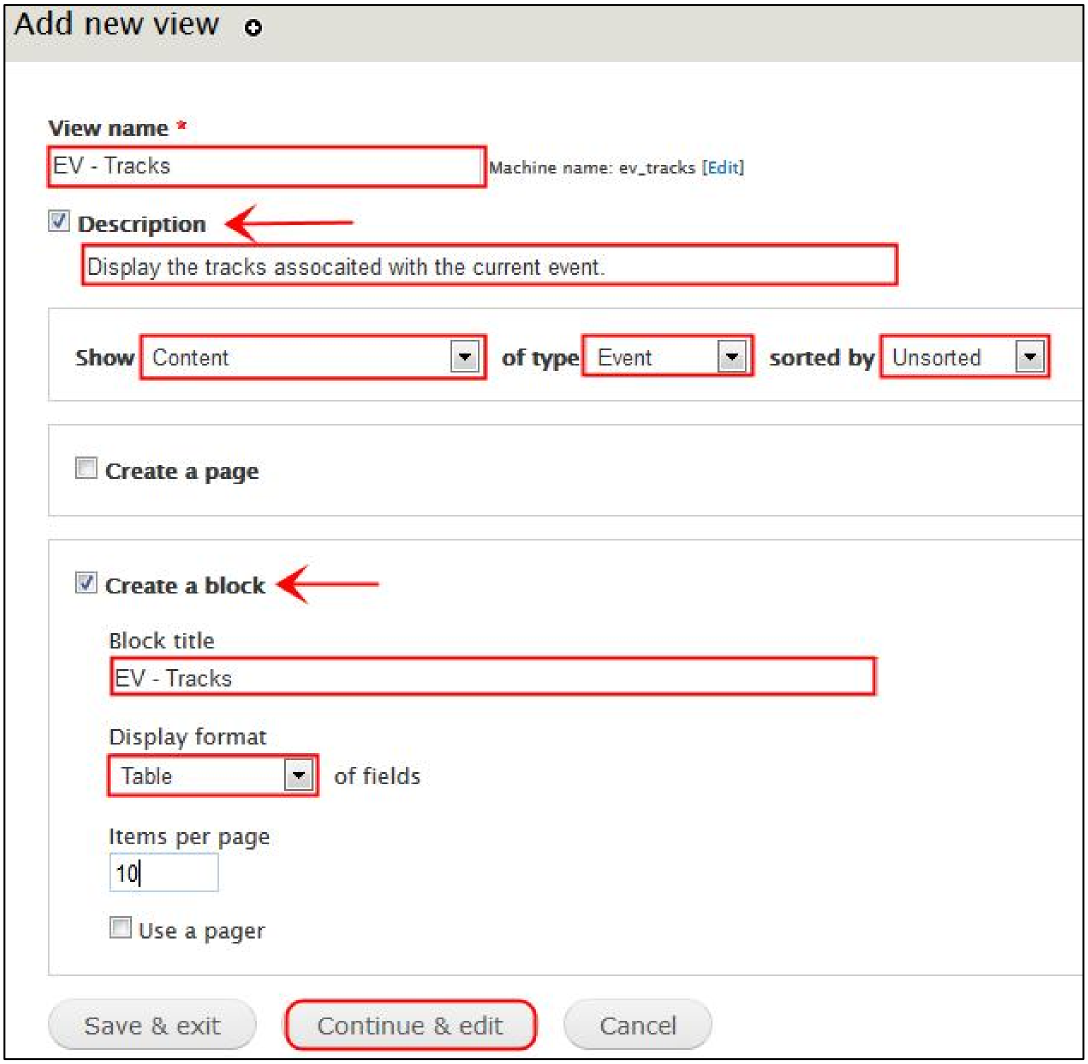
To accomplish this, we will create a view in a block. This view will be created as a table of fields and will list each of the desired fields. Once that is working, we will then add a relationship and a contextual filter. The relationship will connect the Tracks to the Event. The contextual filter will limit or filter the Tracks to be displayed to the specified Event. We will then add our block to the Quick Tabs that appear on the Event page.

NOTE: The following instructions are very detailed and it is critical that you follow them exactly. Any deviation could result in the view producing incorrect results. These instructions have been tested and are known to work. Therefore, if your view does not work is because the directions were not followed explicitly.

Adding the view

View name:	EV - Tracks
Description:	Sorted list of all Track for an Event
Show	Content of type Event
Sorted by:	Unsorted
Create a block view	
Block Title	EV – Tracks
Display format	table of fields
Items to display	10

Click on “Continue and edit”.



Add new view

View name *
EV - Tracks
Machine name: ev_tracks [Edit]

☑ Description
Display the tracks assocaited with the current event.

Show Content of type Event sorted by Unsorted

□ Create a page

☑ Create a block

Block title
EV - Tracks

Display format
Table of fields

Items per page
10

□ Use a pager

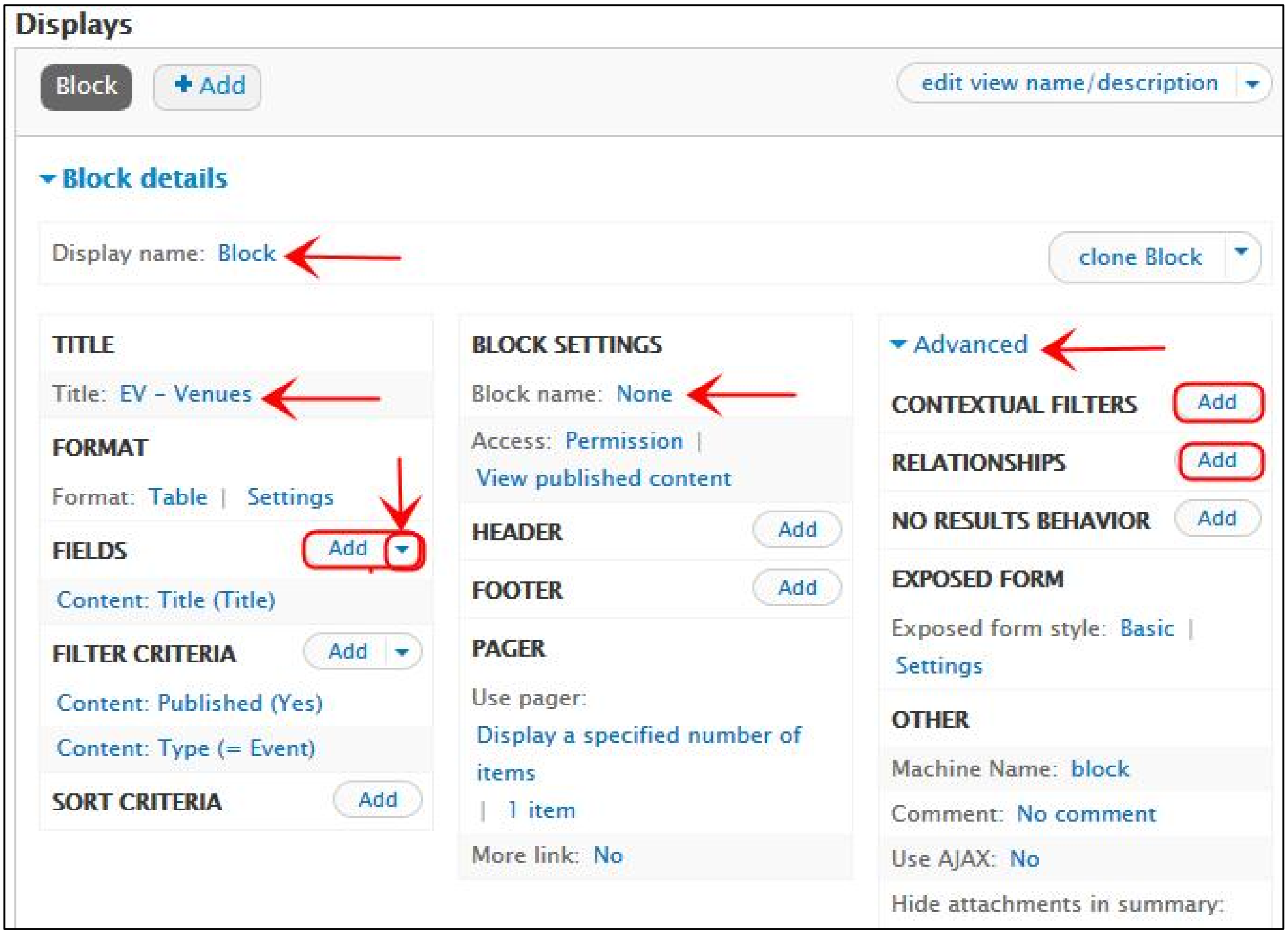
You should note that this view is based upon the Event and **NOT** the Tracks. But, that is okay because we are going to relate the Event to the Tracks. That relationship will be specified under the Advanced, Relationship in the view. This will be explained in the next few pages.

Next we are going to set some basic values for this view.

1. Ensure the display name is **Block: Tracks**. To do this:
   d. Click on the display name and set the name to **Block: Tracks**.
   e. Set the description to “Display the Tracks associated with an Event in a block.”.
   f. Click on apply.

2. If necessary, click on the Tile and change it to EV - Tracks.

3. Set the blocks’ name. You do this by:
   g. Clicking on the block name, which is at the top of the center column.
   h. Set the block name to **Event track block**
   i. Click on apply.



Display name: Block

TITLE
Title: EV – Venues

FORMAT
Format: Table | Settings

FIELDS
Content: Title (Title)

FILTER CRITERIA
Content: Published (Yes)
Content: Type (= Event)

SORT CRITERIA

BLOCK SETTINGS
Block name: None
Access: Permission | View published content

HEADER

FOOTER

PAGER
Use pager: Display a specified number of items | 1 item
More link: No

CONTEXTUAL FILTERS

RELATIONSHIPS

NO RESULTS BEHAVIOR

EXPOSED FORM
Exposed form style: Basic | Settings

OTHER
Machine Name: block
Comment: No comment
Use AJAX: No
Hide attachments in summary:

4. Set the pager to 10 items per page with a mini pager.

When you look at the results of this view, you will notice that the output is “Drupal Camp Fort Lauderdale”. This is not what we want. We want to list the tracks associated with Drupal Camp Fort Lauderdale. And we will do that on the next page.

Add A Relationship

Next, we need to associate the Event with its Tracks. We will do this by setting up a relationship to the Tracks content type. This is done by:

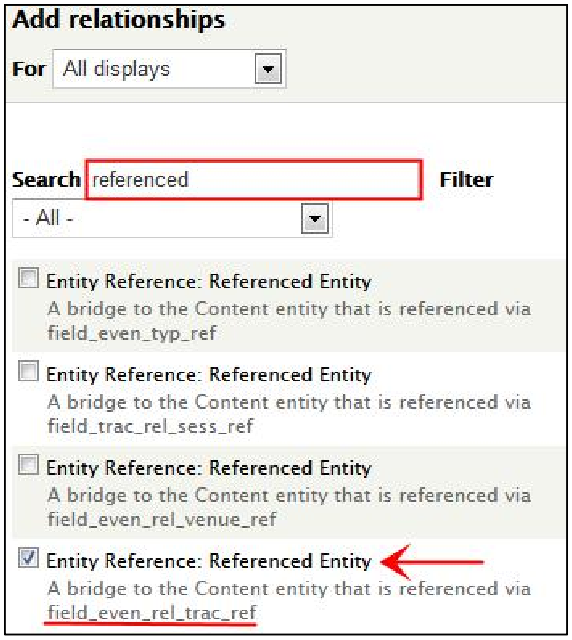
1. Click on "ADVANCE" heading, which is on the right hand side of the page and about halfway down. When you click on the Advanced heading, quite a few fields will appear below.

2. Locate the Relationship heading.

3. Click on the Add button, which is to the right of the word Relationship.

4. In the search box, type the word "**referenced**", without the quotes.

5. From the resulting list, check the box next to the field "**field_even_rel_trac_ref**". If you look At Create Event Content Type notes, you will see that field_even_rel_trac_ref is the machine name for the entity reference Tracks.



Add relationships

For All displays

Search referenced **Filter** - All -

□ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_typ_ref

□ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_trac_rel_sess_ref

□ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_venue_ref

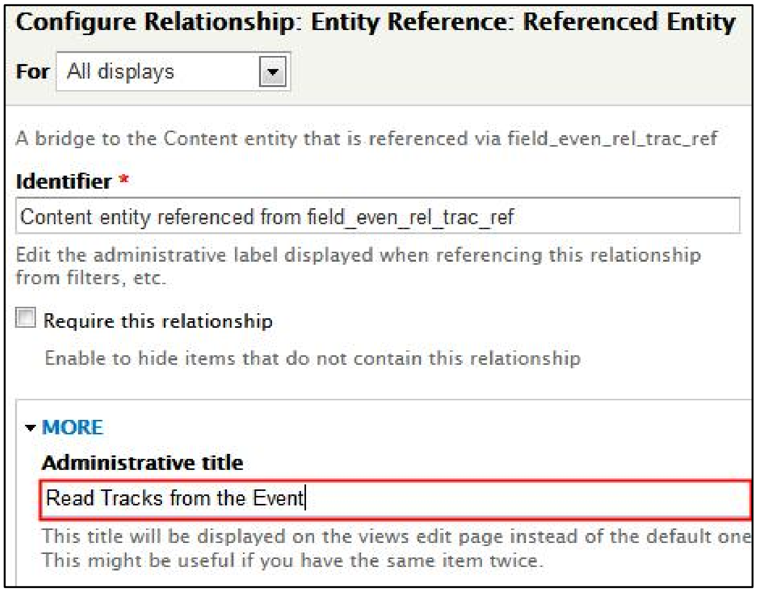
☑ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_trac_ref

6. Click Apply.

7. Click on the More heading in the Configure Relationship: Entity Reference: Referenced Entity window. In the administrative title field, enter "Read the Tracks from the Event". This provides us with an easier to read title.

8. Click apply.

9. Under the Relationship heading it should now display the text "**Read the Track from the Event**". If it does not, then you did something wrong. Please go back and review the instruction and correct the problem.



Configure Relationship: Entity Reference: Referenced Entity

For All displays

A bridge to the Content entity that is referenced via field_even_rel_trac_ref

Identifier *

Content entity referenced from field_even_rel_trac_ref

Edit the administrative label displayed when referencing this relationship from filters, etc.

□ Require this relationship

Enable to hide items that do not contain this relationship

▾ MORE

Administrative title

Read Tracks from the Event

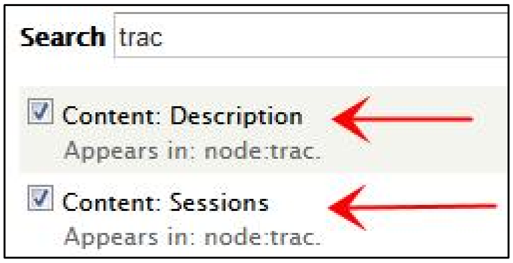
This title will be displayed on the views edit page instead of the default one This might be useful if you have the same item twice.

At this point, the view should show two lines, both of which say "Drupal Camp Fort Lauderdale". While this is not the desired result, it is the expected results once we completed adding a relationship to the Tracks. The next part of creating the view will be to add the fields from the Tracks content type. That is covered on the next page.

Add The Fields

Click on Add button to the right of the "Fields" header. Then-search for fields with the string "trac" in a field. Please choose the following fields:

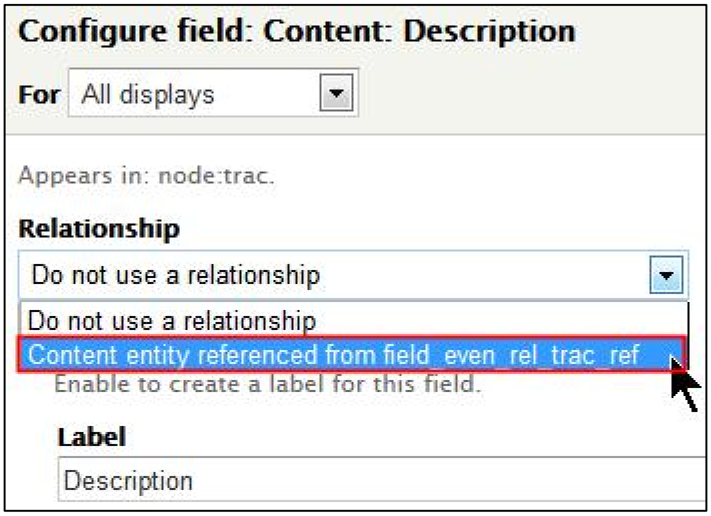
1. Title Public
   a. This appears in: node:trac.
   b. When the Configure field: Content: Description windows appears, you will need to chose the "Content entity referenced from field_even_rel_trac_ref" in the Relationship drop down menu.
2. Description
   a. This appears in: node:trac.
   b. When the Configure field: Content: Description windows appears, you will need to choose the "Content entity referenced from field_even_rel_trac_ref" in the Relationship drop down menu.
3. Delete the field "Title" from the view.



Search trac

☑ Content: Description
Appears in: node:trac.

☑ Content: Sessions
Appears in: node:trac.



Configure field: Content: Description

For All displays

Appears in: node:trac.

Relationship

Do not use a relationship

Do not use a relationship
Content entity referenced from field_even_rel_trac_ref

Enable to create a label for this field.

Label

Description

Caution: If you do not choose the proper relationship, this view will NOT work.

At this point, you should have a view that produces output similar to the below:

Output for the Tracks view

Title public	Description
Theming	Learn the ins and outs of theming a Drupal website.
Site Building	Learn the ins an outs of building a Drupal website.
Beginners	Introduce new people to building a basic Drupal website.
Coding	Learn how to write custom Drupal modules.

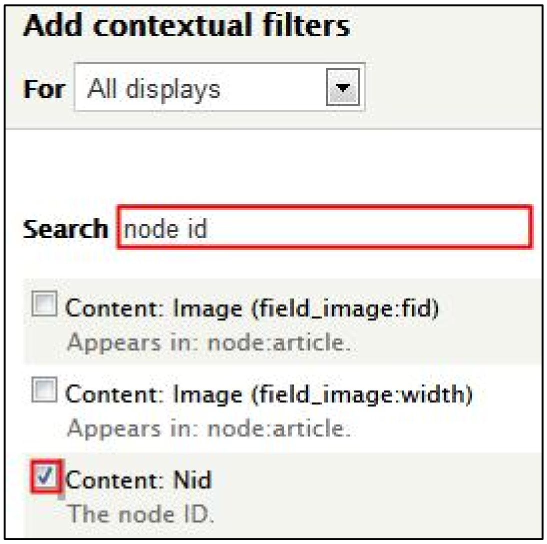
The goal of this view is to display all of the Tracks for a given Event. Unfortunately, this view lists all tracks for ALL events. So the question is, how do we modify this view to accomplish our goal? We do this by using the contextual filter, which we will discuss on the next page.

Add a Contextual Filter

We have one last change to make to this view before it is complete. We need to add a Contextual Filter. (If you have not added a contextual filter before, please read appendix D Adding a Contextual Filter.) This will cause the view to only display the Venue associated with the current event. (Drupal will automatically pass the current Event node id in the URL when this view is run.)

So, while adding a contextual filter might be new to you, it’s actually pretty easy. I will admit the first time I worked with contextual filters, I was a bit stressed out. However, once I worked with them a bit, it is actually very straightforward.

To add a contextual filter, we first need to decide on what we are going to filter. Since the content type we are displaying his Event, the data value we have available to us is the Event node id. To set up the Event node id has the contextual filter, we need to:



Add contextual filters

For All displays

Search node id

□ Content: Image (field_image:fid)
Appears in: node:article.

□ Content: Image (field_image:width)
Appears in: node:article.

☑ Content: Nid
The node ID.

1. Click on the add button to the right of the Contextual Filter header

2. We will search on node ID, since that is the field we need. Check the Content: Nid field.

3. Click on the apply button. A new page will appear.

4. Do not use a relationship.

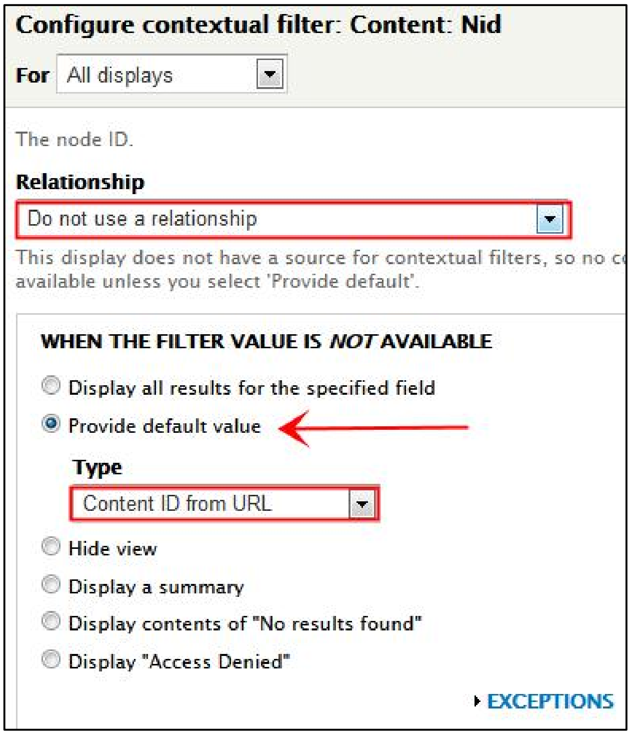
5. However, under the heading “**When the filter value is not available** ” click on the “**Provide default value**” radio button.

6. From the “**Type**” dropdown menu, choose “**Content ID from URL**”.

7. Click on apply.

8. NOTE: At this point, the view will NOT generate any output. That is OK and expected.

9. Don’t forget to save your view!



Configure contextual filter: Content: Nid

For All displays

The node ID.

Relationship

Do not use a relationship

This display does not have a source for contextual filters, so no c
available unless you select 'Provide default'.

WHEN THE FILTER VALUE IS *NOT* AVAILABLE

○ Display all results for the specified field

● Provide default value

Type

Content ID from URL

○ Hide view

○ Display a summary

○ Display contents of "No results found"

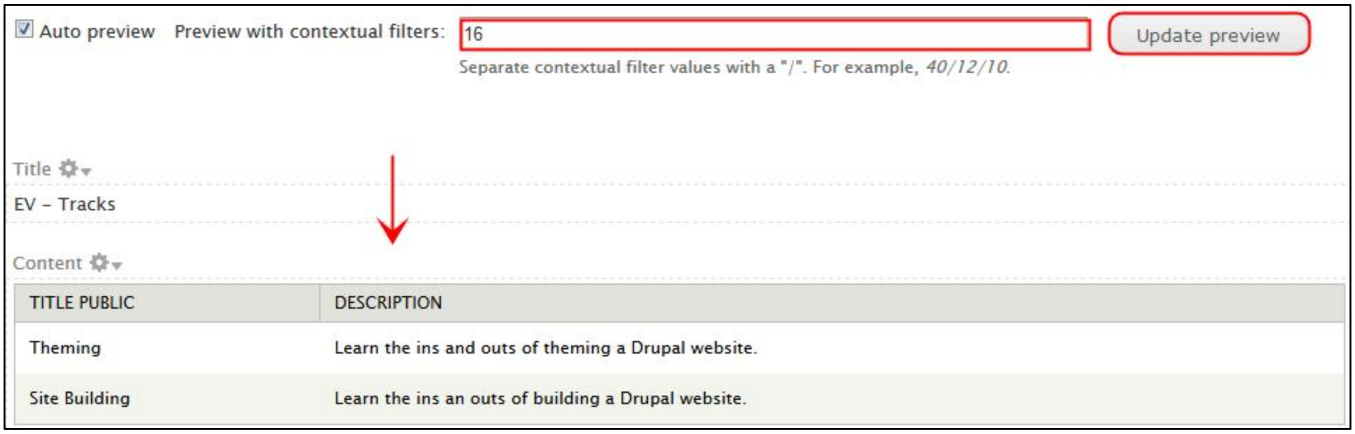
○ Display "Access Denied"

▸ EXCEPTIONS

At this point, the view is expecting you to supply the node id of an Event. Once you enter the node id of an Event, the Tracks associated with that Event will then be displayed in your view. The next page discusses how to determine the node id of an Event node and enter that node id in the Contextual filter preview field.

you will see a check box and text box field has been added to the bottom of the view: This text box allows you to manually enter a value for the contextual filter.

So now the question is "What value do I enter?". Well that is simple. It is the node ID of the Event that you looked up above. In my case, the node ID is 16. Pleaes enter your node ID (16 in my case) in the "Preview with contextual filter" text box and then click on Update Preview. At that point, the view will list the tracks for the specified event.



☑ Auto preview Preview with contextual filters: 16

Separate contextual filter values with a "/". For example, *40/12/10*.

Title

EV – Tracks

Content

TITLE PUBLIC	DESCRIPTION
Theming	Learn the ins and outs of theming a Drupal website.
Site Building	Learn the ins an outs of building a Drupal website.

Congratulations, at this point your have completed the view. The only thing we have left do is put this view in a Quick Tab block, which we will do later in this document. But first let's create the view that lists all of the sessions for this event, which we will do starting on the next page

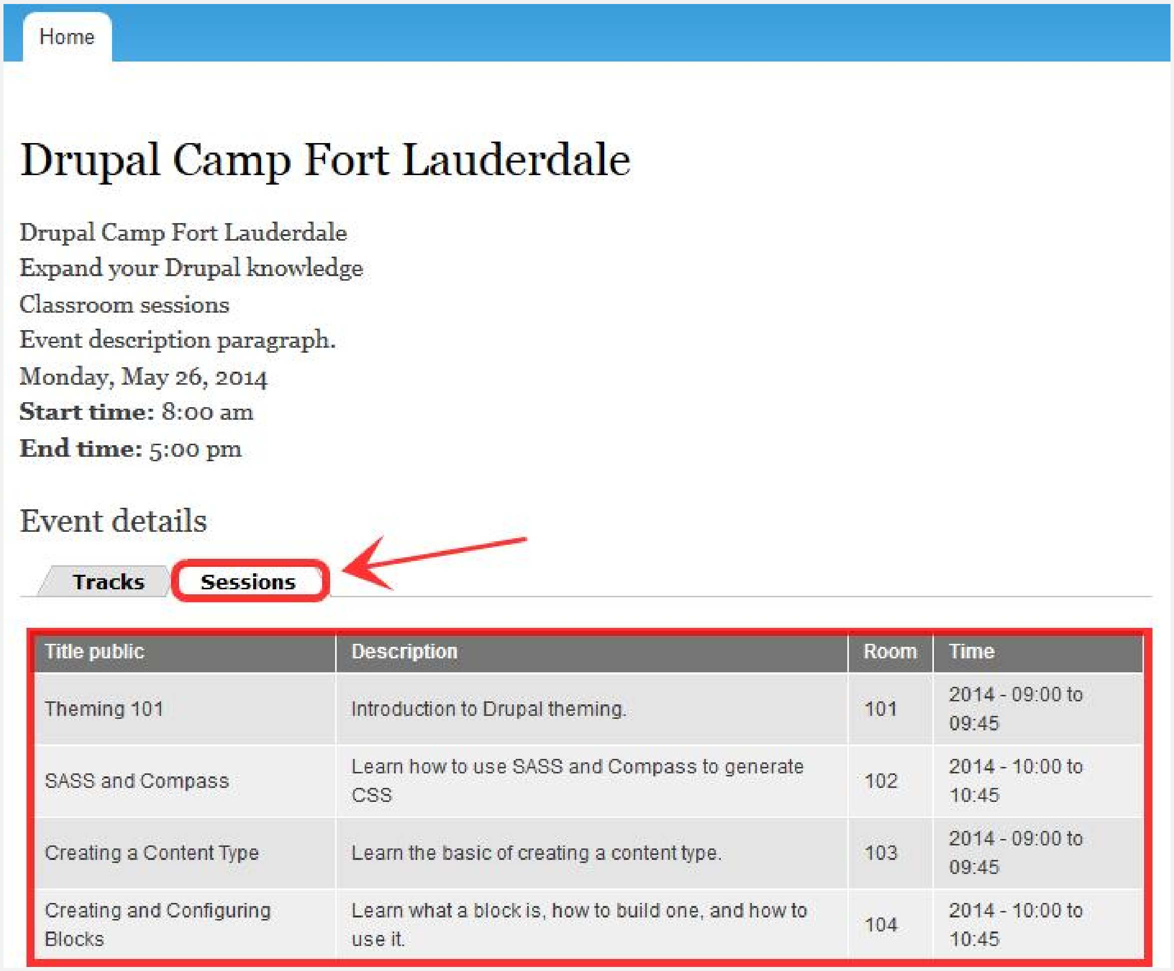
Create a view that displasy the Sessions for an Event.

Introduction

This View's Goal

This view will display all of the Sessions for a given Event. This information will be displayed in a block. That block will be displayed in a "Quick Tab" on the Event's page.

The final output of our view should like the Sessions tab in the below image. Note: the quick tabs module will display our blocks in the different tabs.



Drupal Camp Fort Lauderdale

Drupal Camp Fort Lauderdale
Expand your Drupal knowledge
Classroom sessions
Event description paragraph.
Monday, May 26, 2014
Start time: 8:00 am
End time: 5:00 pm

Event details

Title public	Description	Room	Time
Theming 101	Introduction to Drupal theming.	101	2014 - 09:00 to 09:45
SASS and Compass	Learn how to use SASS and Compass to generate CSS	102	2014 - 10:00 to 10:45
Creating a Content Type	Learn the basic of creating a content type.	103	2014 - 09:00 to 09:45
Creating and Configuring Blocks	Learn what a block is, how to build one, and how to use it.	104	2014 - 10:00 to 10:45

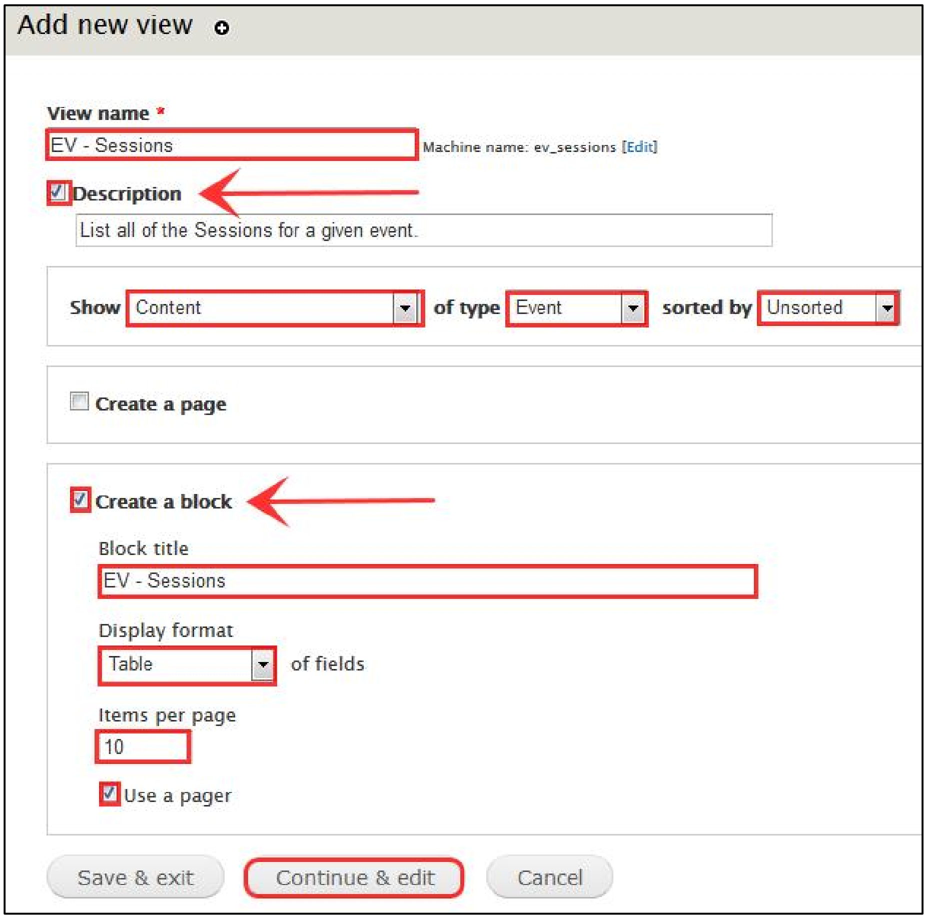
To accomplish this, we will create a view in a block. This view will be created as a table of fields and will list each of the desired fields. Once that is working, we will then add a relationship and a contextual filter. The relationship will connect the Sessions to the Event. The contextual filter will limit or filter the Sessions to be displayed to the specified Event. We will then add our block to the Quick Tabs that appear on the Event page.

NOTE: The following instructions are very detailed and it is critical that you follow them exactly. Any deviation could result in the view producing incorrect results. These instructions have been tested and are known to work. Therefore, if your view does not work is because the directions were not followed explicitly.

Adding the view

View name:	EV - Sessions
Description:	Sorted list of all Sessions for an Event
Show	Content of type Event
Sorted by:	Unsorted
Create a block view	
Block Title	EV – Sessions
Display format	table of fields
Items to display	10

Click on “Continue and edit”.



Add new view

View name *
EV - Sessions
Machine name: ev_sessions [Edit]

☑ Description
List all of the Sessions for a given event.

Show Content of type Event sorted by Unsorted

□ Create a page

☑ Create a block

Block title
EV - Sessions

Display format
Table of fields

Items per page
10

☑ Use a pager

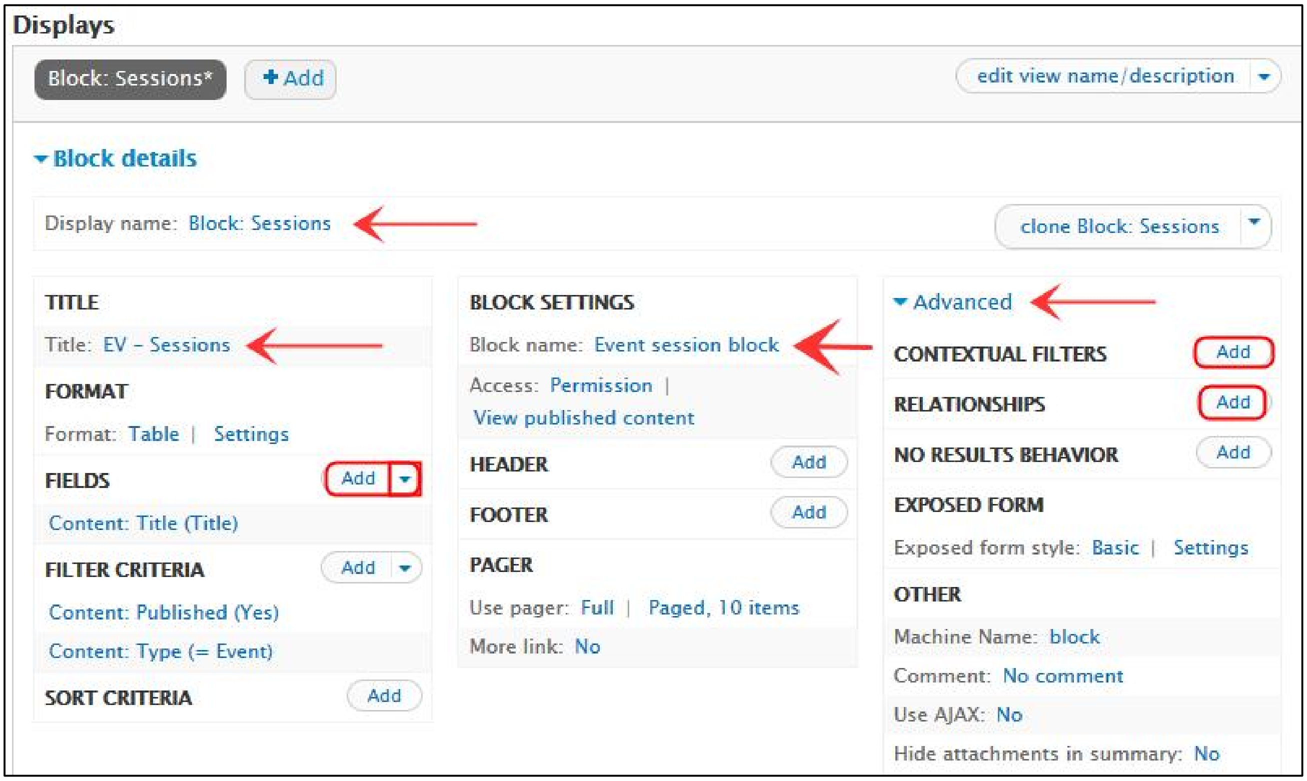
You should note that this view is based upon the Event and **NOT** the Sessions. But, that is okay because we are going to relate the Event to the Sessions. That relationship will be specified under the Advanced, Relationship in the view. This will be explained in the next few pages.

Next we are going to set some basic values for this view.

1. Ensure the display name is **Block: Sessions**. To do this:
    a. Click on the display name and set the name to **Block: Sessions**.
    b. Set the description to “Display the Sessions associated with an Event in a block.”.
    c. Click on apply.

2. If necessary, click on the Tile and change it to EV - Sessions.

3. Set the blocks’ name. You do this by:
    a. Clicking on the block name, which is at the top of the center column.
    b. Set the block name to **Event session lock**



Display name: Block: Sessions

TITLE
Title: EV - Sessions
FORMAT
Format: Table | Settings
FIELDS
Content: Title (Title)
FILTER CRITERIA
Content: Published (Yes)
Content: Type (= Event)
SORT CRITERIA

BLOCK SETTINGS
Block name: Event session block
Access: Permission | View published content
HEADER
FOOTER
PAGER
Use pager: Full | Paged, 10 items
More link: No

CONTEXTUAL FILTERS
RELATIONSHIPS
NO RESULTS BEHAVIOR
EXPOSED FORM
Exposed form style: Basic | Settings
OTHER
Machine Name: block
Comment: No comment
Use AJAX: No
Hide attachments in summary: No

    c. Click on apply.

4. Set the pager to 10 items per page with a mini pager.

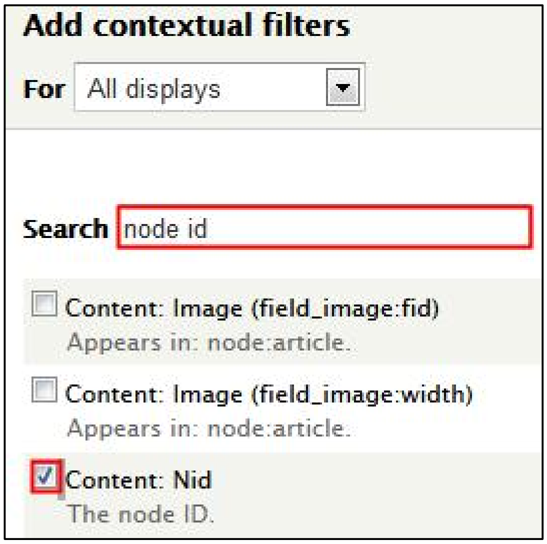
When you look at the results of this view, you will notice that the output is “Drupal Camp Fort Lauderdale” and “Drupal Camp Florida”. This is not what we want.. We want to list the Sessions associated with Drupal Camp Fort Lauderdale. This is a two-step process. First, we set up a contextual filter to only list one Event. Then we add a relationship to associate that event with the Sessions. And we will do that on the next pages.

Add a Contextual Filter

We have one last change to make to this view before it is complete. We need to add a Contextual Filter. (If you have not added a contextual filter before, please read appendix D Adding a Contextual Filter.) This will cause the view to only display the Venue associated with the current event. (Drupal will automatically pass the current Event node id in the URL when this view is run.)

So, while adding a contextual filter might be new to you, it's actually pretty easy. I will admit the first time I worked with contextual filters, I was a bit stressed out. However, once I worked with them a bit, it is actually very straightforward.

To add a contextual filter, we first need to decide on what we are going to filter. Since the content type we are displaying his Event, the data value we have available to us is the Event node id. To set up the Event node id has the contextual filter, we need to:



Add contextual filters

For All displays

Search node id

□ Content: Image (field_image:fid)
Appears in: node:article.

□ Content: Image (field_image:width)
Appears in: node:article.

☑ Content: Nid
The node ID.

1. Click on the add button to the right of the Contextual Filter header

2. We will search on node ID, since that is the field we need. Check the Content: Nid field.

3. Click on the apply button. A new page will appear.

4. Do not use a relationship.

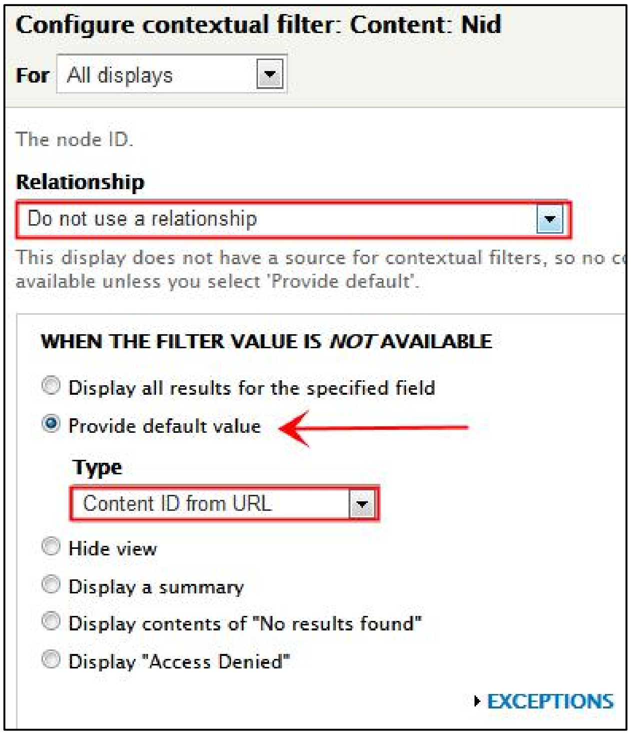
5. However, under the heading "**When the filter value is not available** " click on the "**Provide default value**" radio button.

6. From the "**Type**" dropdown menu, choose "**Content ID from URL**".

7. Click on apply.

8. NOTE: At this point, the view will NOT generate any output. That is OK and expected.

9. Don't forget to save your view!



Configure contextual filter: Content: Nid

For All displays

The node ID.

Relationship

Do not use a relationship

This display does not have a source for contextual filters, so no c
available unless you select 'Provide default'.

WHEN THE FILTER VALUE IS *NOT* AVAILABLE

○ Display all results for the specified field

● Provide default value

Type

Content ID from URL

○ Hide view

○ Display a summary

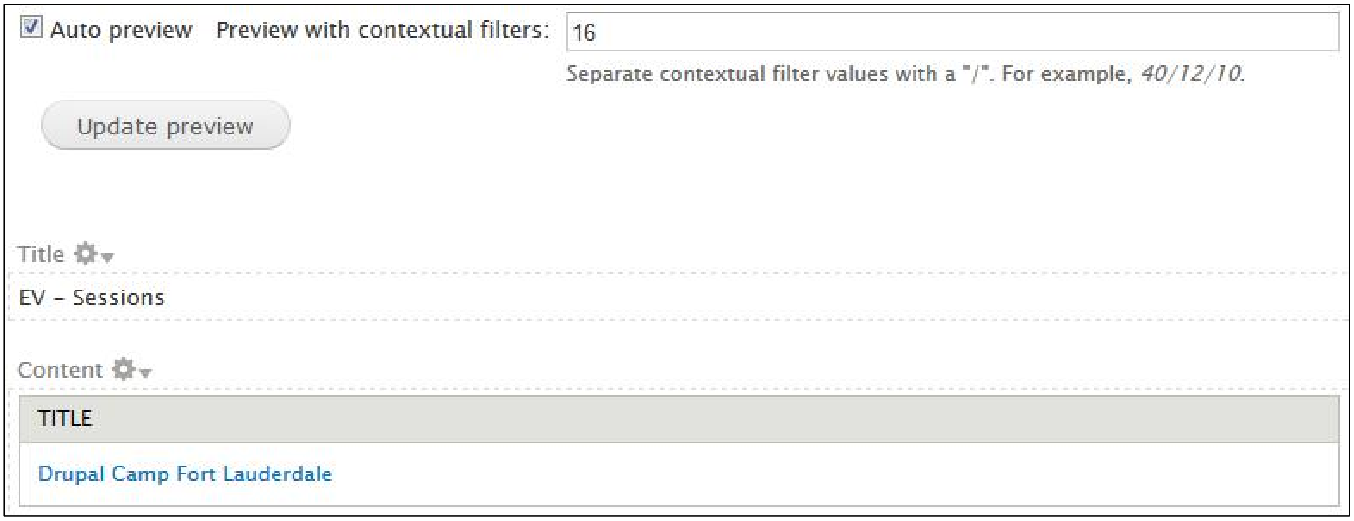
○ Display contents of "No results found"

○ Display "Access Denied"

At this point, the view is expecting you to supply the node id of an Event. Once you enter the node id of an Event, the Sessions associated with that Event will then be displayed in your view. The next page discusses how to determine the node id of an Event node and enter that node id in the Contextual filter preview field.

you will see a check box and text box field has been added to the bottom of the view: This text box allows you to manually enter a value for the contextual filter.

So now the question is “What value do I enter?” Well that is simple, it is the node ID of the Event that you looked up above. In my case, the node ID is 16. Please enter your node ID (16 in my case) in the “Preview with contextual filter” text box and then click on Update Preview. At that point, the view will list the Drupal Camp Florida event..



☑ Auto preview   Preview with contextual filters: 16

Separate contextual filter values with a "/". For example, *40/12/10.*

Title

EV – Sessions

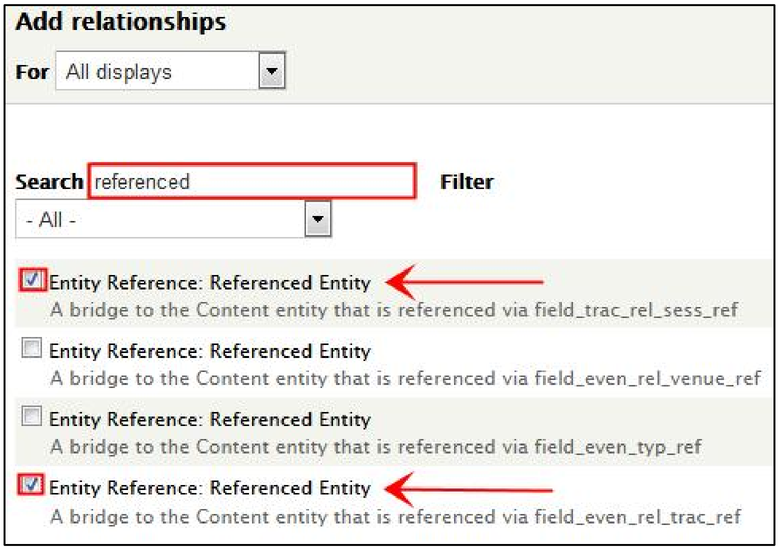
Content

TITLE
Drupal Camp Fort Lauderdale

While this is not what we want as the final product, it does limit us to just the one Event. On the next couple of pages, we are going to add a relationship to the Sessions view. We will than use that relationship to display the Sessions information for a given event.

Add A Relationship

Next, we need to associate the Event with its Sessions. We will do this by setting up a relationship to the Track Content Type AND then to the Sessions Content Type. This will require us to create TWO relationships; one for Tracks and one for Sessions. This is done by:



Add relationships

For All displays

Search referenced Filter
- All -

☑ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_trac_rel_sess_ref

☐ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_venue_ref

☐ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_typ_ref

☑ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_trac_ref

1. Click on “ADVANCE” heading, which is on the right hand side of the page and about halfway down. When you click on the Advanced heading, quite a few fields will appear below.

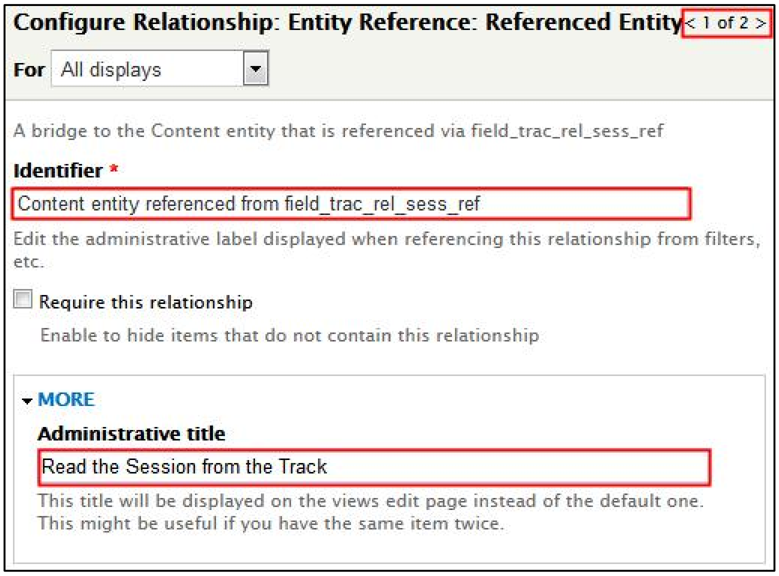
2. Locate the Relationship heading.

3. Click on the Add button, which is to the right of the word Relationship.

4. In the search box, type the word “**referenced**”, without the quotes.

5. From the resulting list, check the box next to the fields “**field_even_rel_trac_ref**” and “**field_trac_rel_sess_ref**. If you look At Create Event Content Type notes, you will see that field_even_rel_trac_ref is the machine name for the entity reference from Event to Track. Also, please select the field “field_trac_rel_sess_ref”. If you look on the Track Content Type, this is the machine name for the entity reference from Track to Sessions.

6. Click Apply.



Configure Relationship: Entity Reference: Referenced Entity < 1 of 2 >

For All displays

A bridge to the Content entity that is referenced via field_trac_rel_sess_ref

Identifier *
Content entity referenced from field_trac_rel_sess_ref
Edit the administrative label displayed when referencing this relationship from filters, etc.

☐ Require this relationship
Enable to hide items that do not contain this relationship

▾ MORE
Administrative title
Read the Session from the Track
This title will be displayed on the views edit page instead of the default one. This might be useful if you have the same item twice.

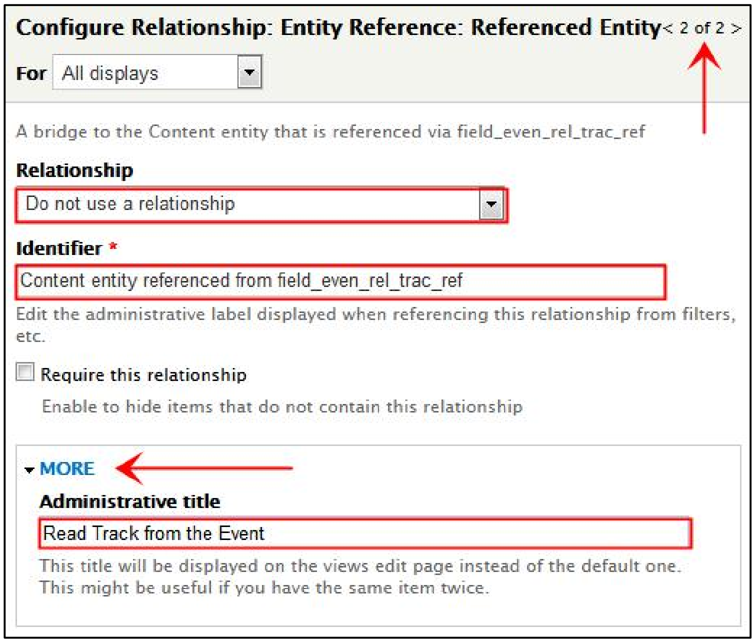
7. Remember, we selected two different relationship. In my case, the “Content entity referenced from field_trac_rel_sess_ref” relationship was displayed first. In your case, this may be different, so please ensure you are following the right instructions for the right fields. If you do not follow these instructions, this will not work.

8. First, let’s address the “**Content entity referenced from field_even_rel_trac_ref**” field. We need to changethe Administrative Title for the this fields to something simpler and easer to read. To do this, simply click on the More button and enter “Read the Sessions from the

Track”. This provides us with an easier to read title. We will need to make one more change, but we have to add the second relationship first. So, we will return to this field in a few steps.

9. Click apply and the next relationship will be displayed.

10. Now let’s address the second relationship, “**Content entity referenced from field_even_rel_trac_ref**” field. We need to change the Administrative Title for this fields to something simpler and easer to read. To do this, simply click on the More button and enter “Read the Track from the Event”.



Configure Relationship: Entity Reference: Referenced Entity < 2 of 2 >

For All displays

A bridge to the Content entity that is referenced via field_even_rel_trac_ref

Relationship

Do not use a relationship

Identifier *

Content entity referenced from field_even_rel_trac_ref

Edit the administrative label displayed when referencing this relationship from filters, etc.

□ Require this relationship

Enable to hide items that do not contain this relationship

Administrative title

Read Track from the Event

This title will be displayed on the views edit page instead of the default one. This might be useful if you have the same item twice.

11. Click on Apply

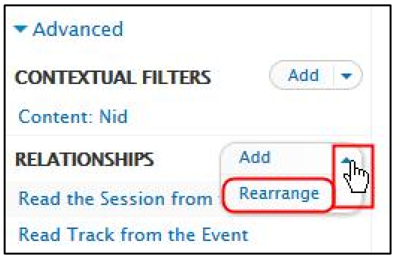
At this point, we are close, but we are not done setting up the relationships. You ask, what needs to be done? We need to add the “Read Track from Event” relationship to the “Read Session From Track” relationship.

If you remember, we are starting with the Event node id. So, using the Event node ID, I can use the “Read Track from Event” relationship to access the Track information. However, I have no way to got to the Sessions information. Or, do I? Actually you do. That is, once you have the Track information, you can use the Read Session from Track relationship to get the Session information.

12. We need to do two things.:
    a. We need to change the sequence of the relationship.
    b. We need to modify the Read Session From track to utilize the Read Track from Event.

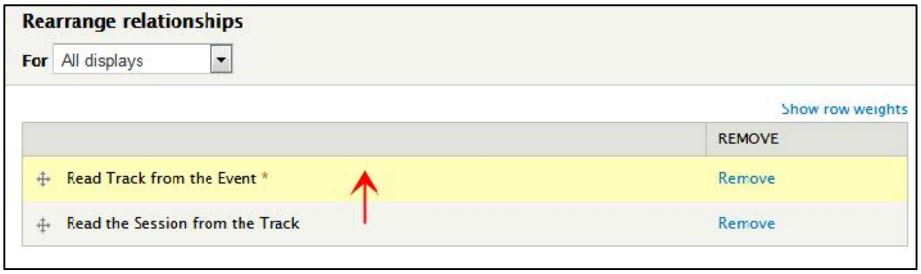
13. First, let’s change the sequence of the relationships. Why do we need to do this? This need to be done because you have to define a relationship before you can use it.

 We want to define the “Read Track from Event” first so that we can use it in the “Read Sessions from Track” relationship. So, how do we do this? It’s pretty simple. You click on the down arrow button next to the Relationship button and choose Rearrange from the drop down menu.



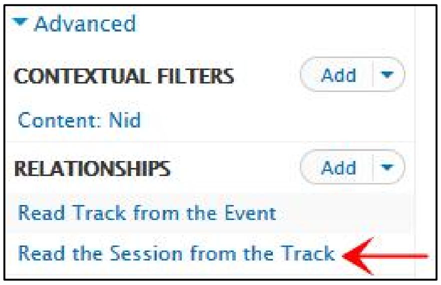
Once the Rearrange page is display, simply drag and drop the Read Track from the Event from the bottom to the top.

14. Click on apply.



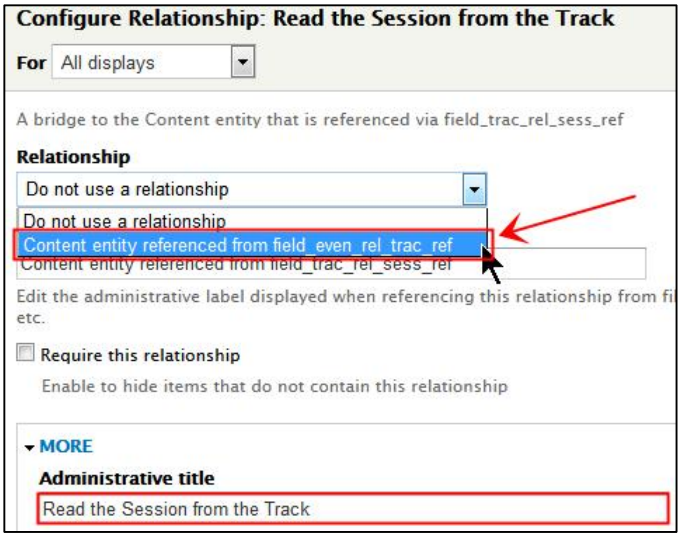
15. Once you have done this, you should have the following relationships in the following sequence:
    a. Read Track from the Event.
    b. Read the Sessions from the Track.

16. At this point, we can add the "Read Track from the Event" relationship to the "Read the Sessions from the Track" relationship. You do this by clicking on "Read the Session from the Track" link.



17. The Configure Relationship window will then appear. Please choose "**Content entity referenced from field_even_rel_track_ref"** from the Relationship drop down menu.

18. Click on Apply.


Configure Relationship: Read the Session from the Track

For All displays

A bridge to the Content entity that is referenced via field_trac_rel_sess_ref

Relationship

Do not use a relationship

Do not use a relationship
Content entity referenced from field_even_rel_trac_ref
Content entity referenced from field_trac_rel_sess_ref

Edit the administrative label displayed when referencing this relationship from fi
etc.

□ Require this relationship

Enable to hide items that do not contain this relationship

MORE

Administrative title

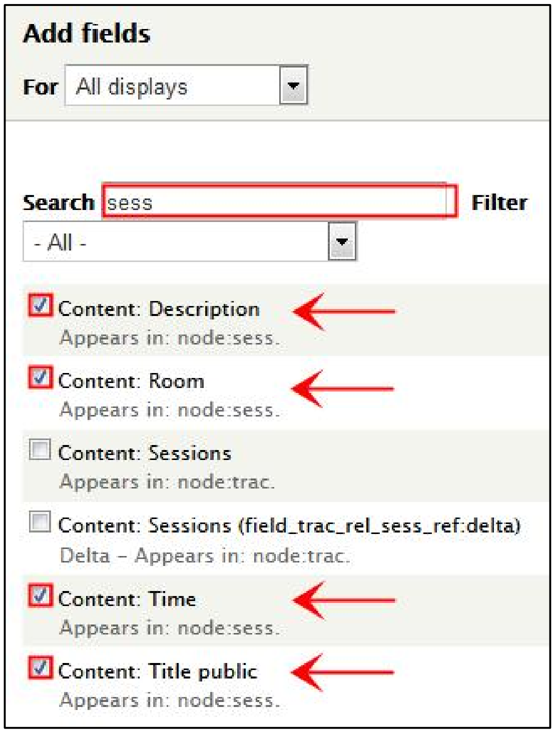
Read the Session from the Track

At this point, the view should show four lines, all of which say "Drupal Camp Fort Lauderdale". Why four lines? If you followed the above instructions, you will have entered four sessions for your Drupal Camp Florida event. If you entered a different number of Sessions, then the number of lines on the view should match the number of Sessions you entered.

While this is not the desired result, it is the expected results once we have adding all of the relationship.
The next part of creating the view, which is covered on the next page, will be to add the fields from the Sessions content type.

Add The Fields

Click on Add button to the right of the "Fields" header. Then-search for fields with the string "sess" in a field. Please choose the following fields:



Add fields

For All displays

Search sess Filter

- All -

☑ Content: Description
Appears in: node:sess.

☑ Content: Room
Appears in: node:sess.

☐ Content: Sessions
Appears in: node:trac.

☐ Content: Sessions (field_trac_rel_sess_ref:delta)
Delta – Appears in: node:trac.

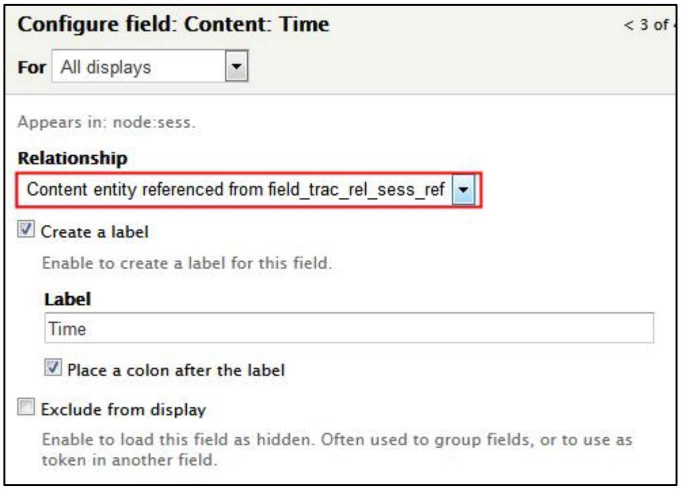
☑ Content: Time
Appears in: node:sess.

☑ Content: Title public
Appears in: node:sess.

1. Title Public
   a. This appears in: node:sess.
   b. When the Configure field: Content: Description windows appears, you will need to choose the "Content entity referenced from field_trac_rel_sess_ref" in the Relationship drop down menu.

2. Description
   a. This appears in: node:sess.
   b. When the Configure field: Content: Description windows appears, you will need to choose the "Content entity referenced from field_trac_rel_sess_ref" in the Relationship drop down menu.

3. Room
   a. This appears in: node:sess.
   b. When the Configure field: Content: Description windows appears, you will need to choose the "Content entity referenced from field_trac_rel_sess_ref" in the Relationship drop down menu.



Configure field: Content: Time < 3 of

For All displays

Appears in: node:sess.

Relationship

Content entity referenced from field_trac_rel_sess_ref

☑ Create a label
Enable to create a label for this field.

Label
Time

☑ 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.

4. Time
   a. This appears in: node:sess.
   b. When the Configure field: Content: Description windows appears, you will need to chose the "Content entity referenced from field_trac_rel_sess_ref" in the Relationship drop down menu.

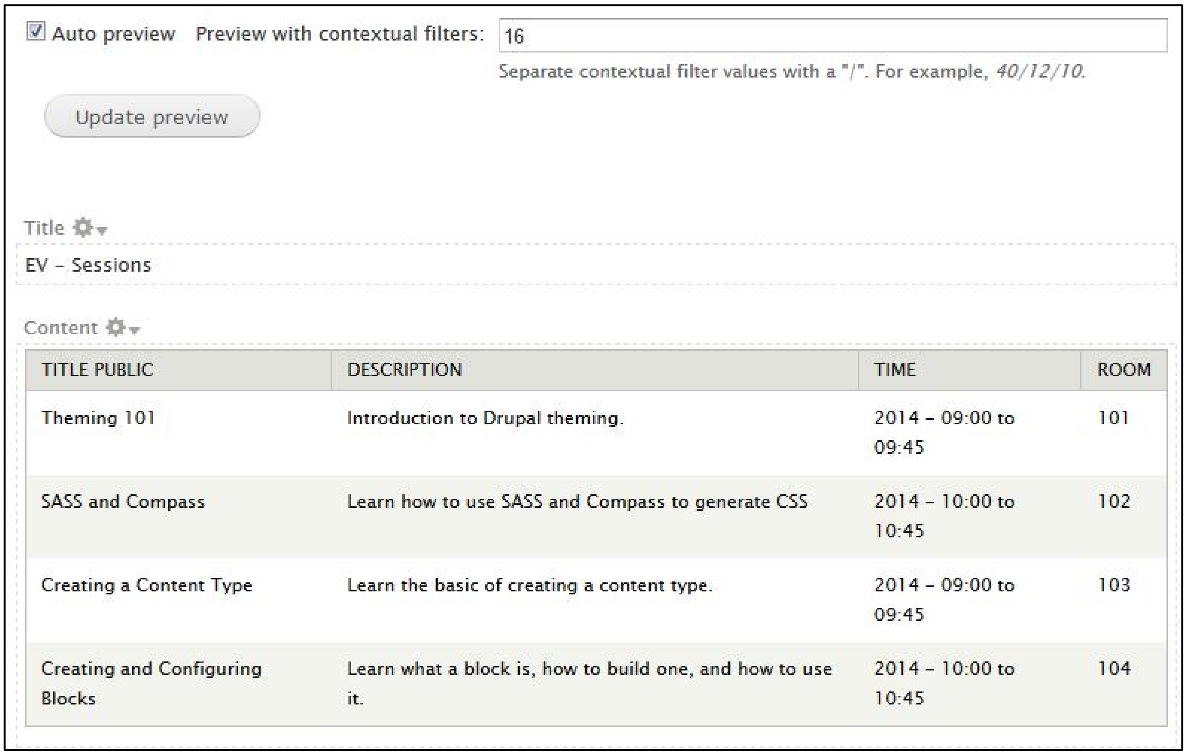
5. Delete the field "Title" from the view.

6. Re-arrange the fields so they appear in the following order:
   a. Title Public
   b. Description
   c. Time
   d. Room

7. Click on Apply.

Caution: If you do not choose the proper relationship, this view will NOT work.

At this point, you should have a view that produces output similar to the below:



16

Separate contextual filter values with a "/". For example, *40/12/10*.

EV – Sessions

TITLE PUBLIC	DESCRIPTION	TIME	ROOM
Theming 101	Introduction to Drupal theming.	2014 - 09:00 to 09:45	101
SASS and Compass	Learn how to use SASS and Compass to generate CSS	2014 - 10:00 to 10:45	102
Creating a Content Type	Learn the basic of creating a content type.	2014 - 09:00 to 09:45	103
Creating and Configuring Blocks	Learn what a block is, how to build one, and how to use it.	2014 - 10:00 to 10:45	104

Congratulations, at this point your have completed the basic views for this web site!

The only thing we have left do is to put the above two views in a Quick Tab block and then display that block on the Events page. We will do that in the next chapter. But first, we have a few more views to create.

Create a view that display the "Orphan" Tracks.

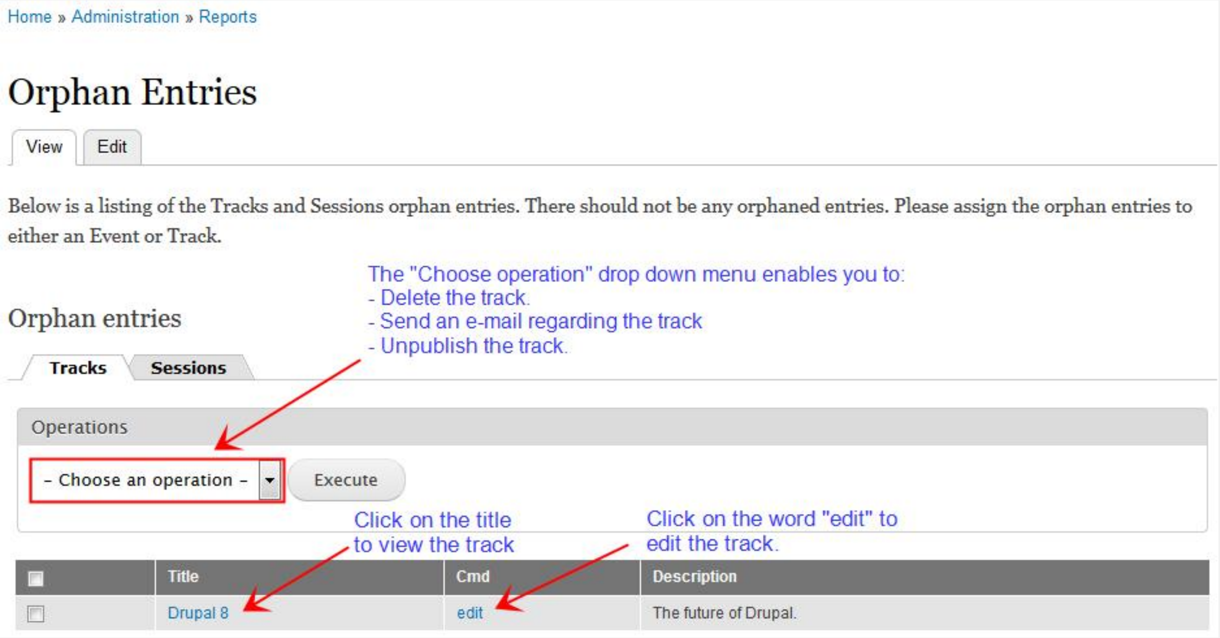
Introduction

This view will select the Tracks content type and then create a relationship from the Track to the Event. The view will then select all those Tracks where the Event's title public field is null. Any track that does not have a corresponding Event Title Public means that the Track is not associated with an Event and is therefore an orphan.

This View's Goal

This view will display all of the Tracks that are not associated with an Event. This information will be displayed in a quick tab on a basic page. The basic page will be accessible from the Admininstration -> Reports -> Orphan Entries. The basic page and view should be similar to the below output.

The Orphan Tracks view will allow the user to either delete the track, un-publish the track, view the track, or edit the track.



Home » Administration » Reports

Orphan Entries

View | Edit

Below is a listing of the Tracks and Sessions orphan entries. There should not be any orphaned entries. Please assign the orphan entries to either an Event or Track.

Orphan entries

Tracks | Sessions

Operations

- Choose an operation - | Execute

☐	Title	Cmd	Description
☐	Drupal 8	edit	The future of Drupal.

The "Choose operation" drop down menu enables you to:
- Delete the track.
- Send an e-mail regarding the track
- Unpublish the track.

Click on the title to view the track

Click on the word "edit" to edit the track.

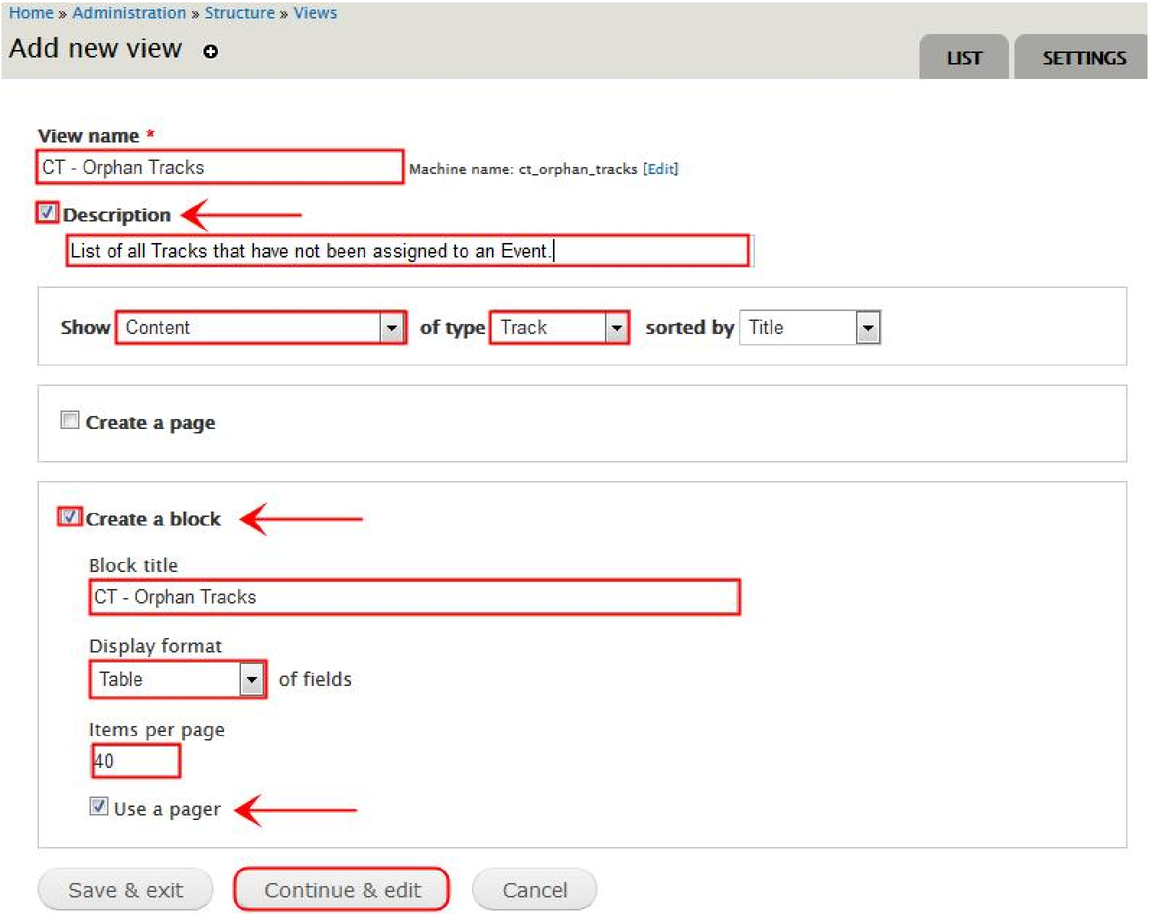
This view will be created as a table of fields and will list each of the desired fields. Once that is working, we will then add a relationship to connect the Tracks to the Event content type. And then finally, we will filter the resulting list by eliminating any Track that has an something in the Event Title Public field. Therefore, the only items left on the list will be orphaned Tracks content type.

NOTE: The following instructions are very detailed and it is critical that you follow them exactly. Any deviation could result in the view producing incorrect results. These instructions have been tested and are known to work. Therefore, if your view does not produce the expected results, please review the instructions and verify you have created the view as specified.

Adding the view

View name:	CT - Orphan Tracks
Description:	Sorted list of all Orphan Tracks
Show	Content of type Tracks
Sorted by:	Sorted by title
Create a block	
Block in Title	CT – Orphan Tracks
Display format	table of fields
Items to display	40
Use a pager	

Click on “Continue and edit”.



View name *
CT - Orphan Tracks
Machine name: ct_orphan_tracks [Edit]

☑ Description
List of all Tracks that have not been assigned to an Event.

Show Content of type Track sorted by Title

□ Create a page

☑ Create a block

Block title
CT - Orphan Tracks

Display format
Table of fields

Items per page
40

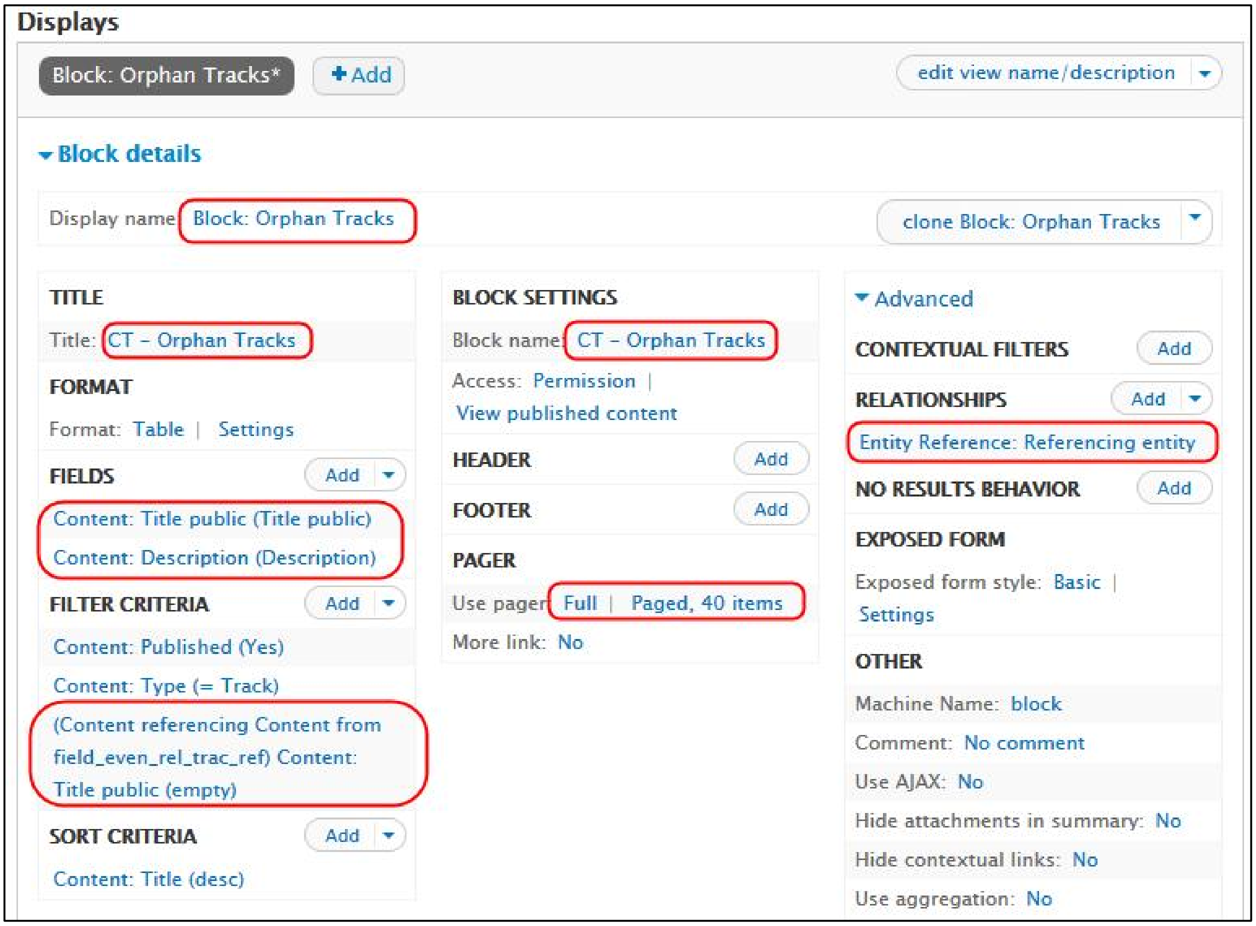
☑ Use a pager

Next we are going to set some basic values for this view.

1. Ensure the display name is **Block: Tracks**. To do this:
    d. Click on the display name and set the name to **Block: Tracks**.
    e. Set the description to “Display the Tracks associated with an Event in a block.”.
    f. Click on apply.

2. If necessary, click on the Tile and change it to CT - Orphan Tracks.

3. Set the blocks’ name. You do this by:
    g. Clicking on the block name, which is at the top of the center column.
    h. Set the block name to **CT - Orphan Tracks**
    i. Click on apply.
5. Set the pager to 40 items per page with a mini pager.



Displays

Block: Orphan Tracks* | + Add | edit view name/description

Block details

Display name: Block: Orphan Tracks | clone Block: Orphan Tracks

TITLE
Title: CT – Orphan Tracks

FORMAT
Format: Table | Settings

FIELDS (Add)
Content: Title public (Title public)
Content: Description (Description)

FILTER CRITERIA (Add)
Content: Published (Yes)
Content: Type (= Track)
(Content referencing Content from field_even_rel_trac_ref) Content: Title public (empty)

SORT CRITERIA (Add)
Content: Title (desc)

BLOCK SETTINGS
Block name: CT – Orphan Tracks
Access: Permission | View published content

HEADER (Add)

FOOTER (Add)

PAGER
Use pager: Full | Paged, 40 items
More link: No

Advanced

CONTEXTUAL FILTERS (Add)

RELATIONSHIPS (Add)
Entity Reference: Referencing entity

NO RESULTS BEHAVIOR (Add)

EXPOSED FORM
Exposed form style: Basic | Settings

OTHER
Machine Name: block
Comment: No comment
Use AJAX: No
Hide attachments in summary: No
Hide contextual links: No
Use aggregation: No

When you look at the results of this view, you will notice that the output is “Drupal Camp Fort Lauderdale”. This is not what we want. We want to list the tracks associated with Drupal Camp Fort Lauderdale. And we will do that on the next page.

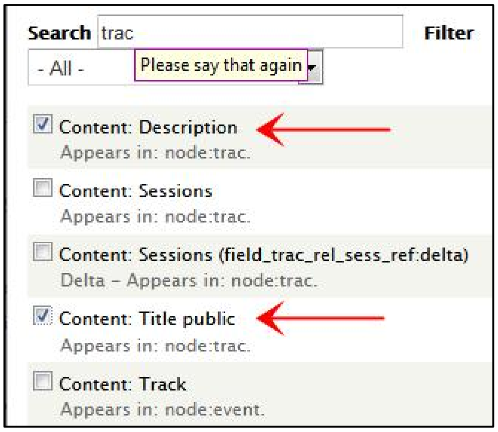
Add the Fields

Click on Add button to the right of the “Fields” header. Then- search for fields with the string “trac” in a field. Please choose the following fields:

1. Title Public
   a. This appears in: node:trac.
   b. When the Configure field: Content: Description windows appears, you will need to choose the “Do not use a relationship” in the Relationship drop down menu.

2. Description
   a. This appears in: node:trac.
   b. When the Configure field: Content: Description windows appears, you will need to choose the “Do not use a relationship” in the Relationship drop down menu.

3. Delete the field “Title” from the view.



Search: trac

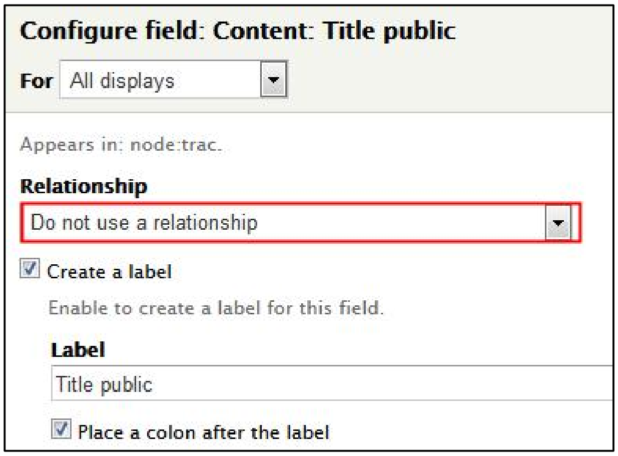
☑ Content: Description
Appears in: node:trac.

□ Content: Sessions
Appears in: node:trac.

□ Content: Sessions (field_trac_rel_sess_ref:delta)
Delta – Appears in: node:trac.

☑ Content: Title public
Appears in: node:trac.

□ Content: Track
Appears in: node:event.



Configure field: Content: Title public

For: All displays

Appears in: node:trac.

Relationship: Do not use a relationship

☑ Create a label
Enable to create a label for this field.

Label: Title public

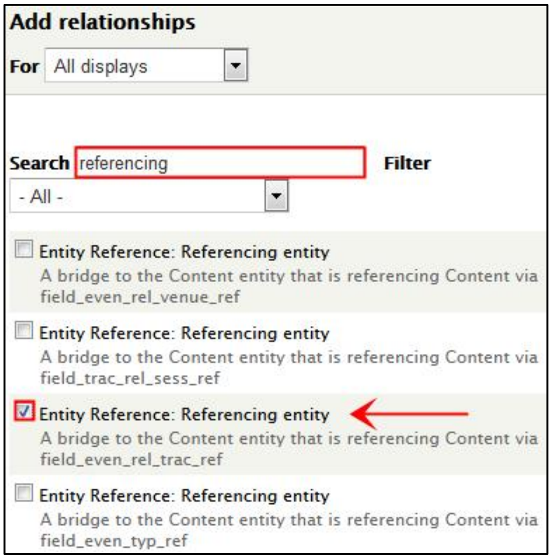
☑ Place a colon after the label

Caution: If you do not choose the proper relationship, this view will NOT work.

At this point, you should have a view that lists all of the existing tracks. Now we need to add a filter to only list the orphan tracks. However, before we can do that we must first relate the Track content type to the Event content type. And, if you remember, we do this by adding a relationship.

Add A Relationship

Next, we need to associate the Event with its Tracks. We will do this by setting up a relationship to the Tracks content type. This is done by:



Add relationships

For All displays

Search referencing **Filter**

- All -

□ Entity Reference: Referencing entity
A bridge to the Content entity that is referencing Content via field_even_rel_venue_ref

□ Entity Reference: Referencing entity
A bridge to the Content entity that is referencing Content via field_trac_rel_sess_ref

☑ Entity Reference: Referencing entity
A bridge to the Content entity that is referencing Content via field_even_rel_trac_ref

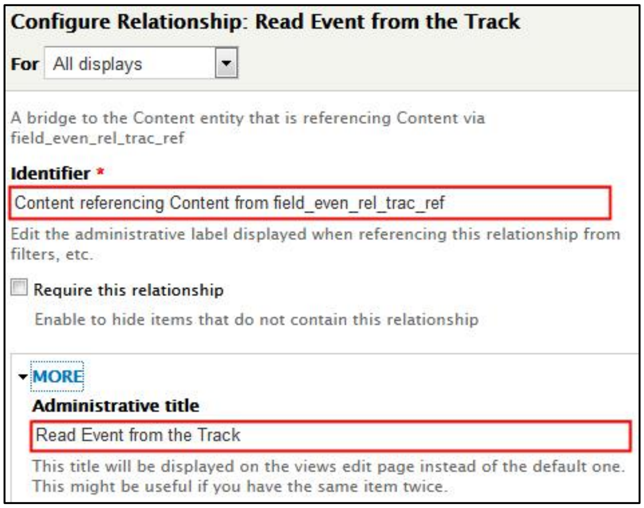
□ Entity Reference: Referencing entity
A bridge to the Content entity that is referencing Content via field_even_typ_ref

1. Click on "ADVANCE" heading, which is on the right hand side of the page and about halfway down. When you click on the Advanced heading, quite a few fields will appear below.

2. Locate the Relationship heading.

3. Click on the Add button, which is to the right of the word Relationship.
4.
5. From the resulting list, check the box next to the field referencing via "**field_even_rel_trac_ref**". If you look At the create Event Content Type notes, you will see that field_even_rel_trac_ref is the machine name for the entity reference Tracks.

6. Click Apply.



Configure Relationship: Read Event from the Track

For All displays

A bridge to the Content entity that is referencing Content via field_even_rel_trac_ref

Identifier *

Content referencing Content from field_even_rel_trac_ref

Edit the administrative label displayed when referencing this relationship from filters, etc.

□ Require this relationship

Enable to hide items that do not contain this relationship

▾ MORE

Administrative title

Read Event from the Track

This title will be displayed on the views edit page instead of the default one. This might be useful if you have the same item twice.

7. Click on the More heading in the Configure Relationship: Entity Reference: Referenced Entity window. In the administrative title field, enter "Read the Tracks from the Event". This provides us with an easier to read title.

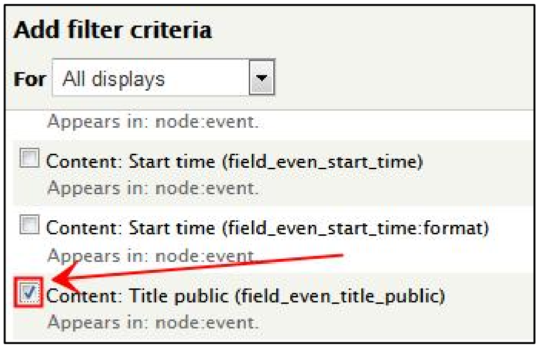
8. Click apply.

9. Under the Relationship heading it should now display the text "**Read Event from the Track**". If it does not, then you did something wrong. Please go back and review the instruction and correct the problem.

At this point, the view still should show every single Track you entered. While this is not the desired result, it is the expected results at this point. The next part of the view will be to add the fields that will limit the view to only show the orphan Tracks. That is covered on the next page.

Add A Filter

Next, we need to show just the Tracks that are not associated with an Event. We do this by creating a filter field that displays any track where the Event's Title Public field is null.



Add filter criteria

For All displays ▾

Appears in: node:event.

☐ Content: Start time (field_even_start_time)
Appears in: node:event.

☐ Content: Start time (field_even_start_time:format)
Appears in: node:event.

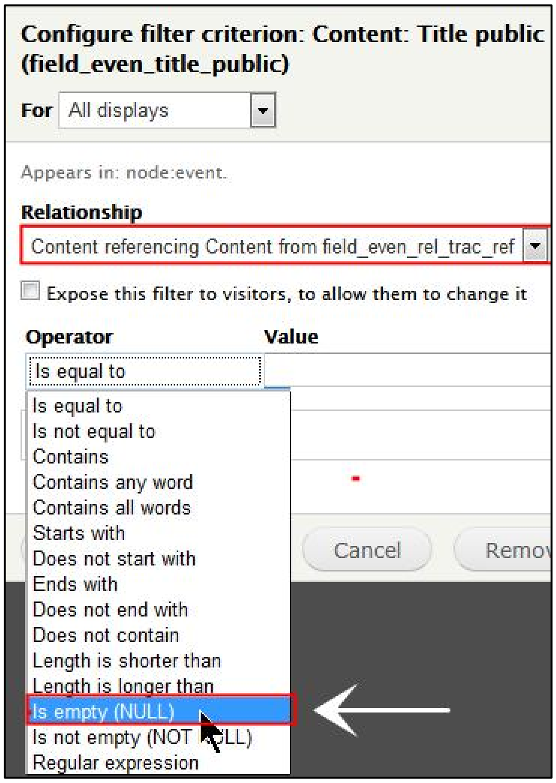
☑ Content: Title public (field_even_title_public)
Appears in: node:event.

If a Track is associated with an Event, there that Track will have an value for the Event's Title Public field. Any Track that has a value for the Events Title Public field, then it is not an orphan. If a track is not associated with an Event, then there will be no value for its Event Title Public field. The Tracks without a value for their Event Title Public field are considered orphans, and are to be included in this report .

To do this, we will create a filter field using the Event Title Public field. (In actuality, we could use any required field on the Event content type). Click on the add button next to the Filter Criteria label. Enter "event" in the search box. All of the fields that have the text "event" will be listed. Please select the Title Public field for the node.

When the configure filter criteria window is displayed, please choose the "Content referencing Content from field_even_rel_trac_ref" in the relationship drop down menu.

Click on the operator box a drop down menu will appear. Please choose is empty(NUILL) from the drop-down menu. Then click on the apply button.



Configure filter criterion: Content: Title public (field_even_title_public)

For All displays ▾

Appears in: node:event.

Relationship
Content referencing Content from field_even_rel_trac_ref ▾

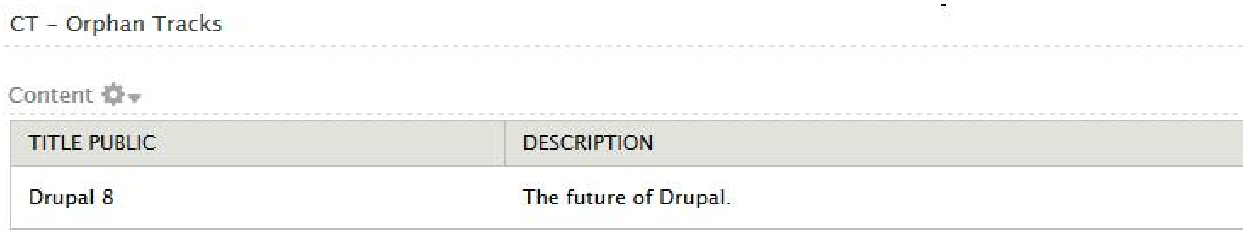
☐ Expose this filter to visitors, to allow them to change it

Operator **Value**
Is equal to

1. Click apply.

2. Under the Relationship heading it should now display the text "**Read Event from the Track**". If it does not, then you did something wrong. Please go back and review the instruction and correct the problem.

At this point, the view should list the just the orphaned Track content types. In my case, the view looks like:



CT – Orphan Tracks

Content

TITLE PUBLIC	DESCRIPTION
Drupal 8	The future of Drupal.

Create a view that display the "Orphan" Sessions.

Introduction

This view will select the Sessions content type and then create a relationship from the Session to the Tracks content type. The view will then select all those Sessions where the Track's title public field is null. Any Session that does not have a corresponding Track Title Public means that the Session is not associated with an Track and is therefore an orphan.

This View's Goal

This view will display all of the Sessions that are not associated with an Track. This information will be displayed on a block and will be accessible from a static page. The final output of our view should be similar to the below output.

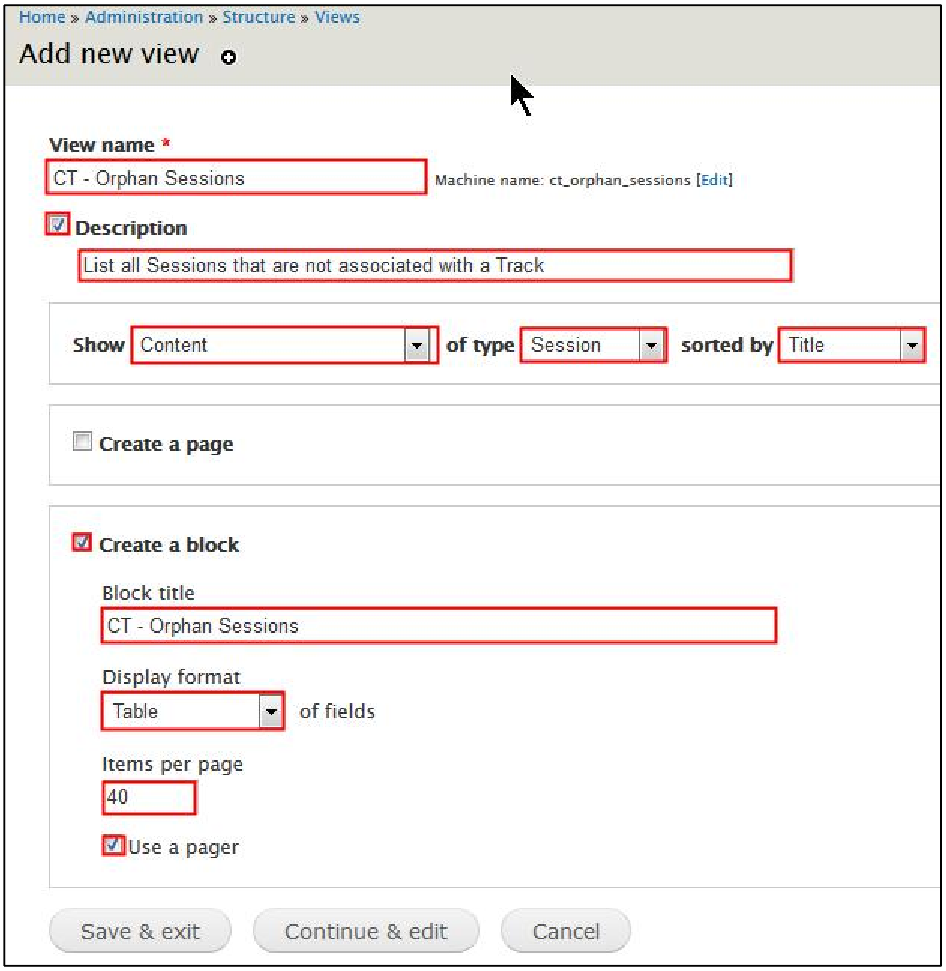
To accomplish this, we will create a view that will be displayed on a block and will be displayed on a static page. accessible from a menu option. This view will be created as a table of fields and will list each of the desired fields. Once that is working, we will then add a relationship to connect the Sessions to the Track content type. And then finally, we will filter the resulting list by eliminating any Session that has an something in the Track Title Public field. Therefore, the only items left on the list will be orphaned Sessions content type.

NOTE: The following instructions are very detailed and it is critical that you follow them exactly. Any deviation could result in the view producing incorrect results. These instructions have been tested and are known to work. Therefore, if your view does not produce the expected results, please review the instructions and verify you have created the view as specified.

Adding the view

View name:	CT - Orphan Sessions
Description:	Sorted list of all Orphan Sessions
Show	Content of type Sessions
Sorted by:	Sorted by title
Create a block	
Block in Title	CT – Orphan Sessions
Display format	table of fields
Items to display	40
Use a pager	

Click on “Continue and edit”.



Add new view

View name *
CT - Orphan Sessions
Machine name: ct_orphan_sessions [Edit]

☑ Description
List all Sessions that are not associated with a Track

Show Content of type Session sorted by Title

□ Create a page

☑ Create a block

Block title
CT - Orphan Sessions

Display format
Table of fields

Items per page
40

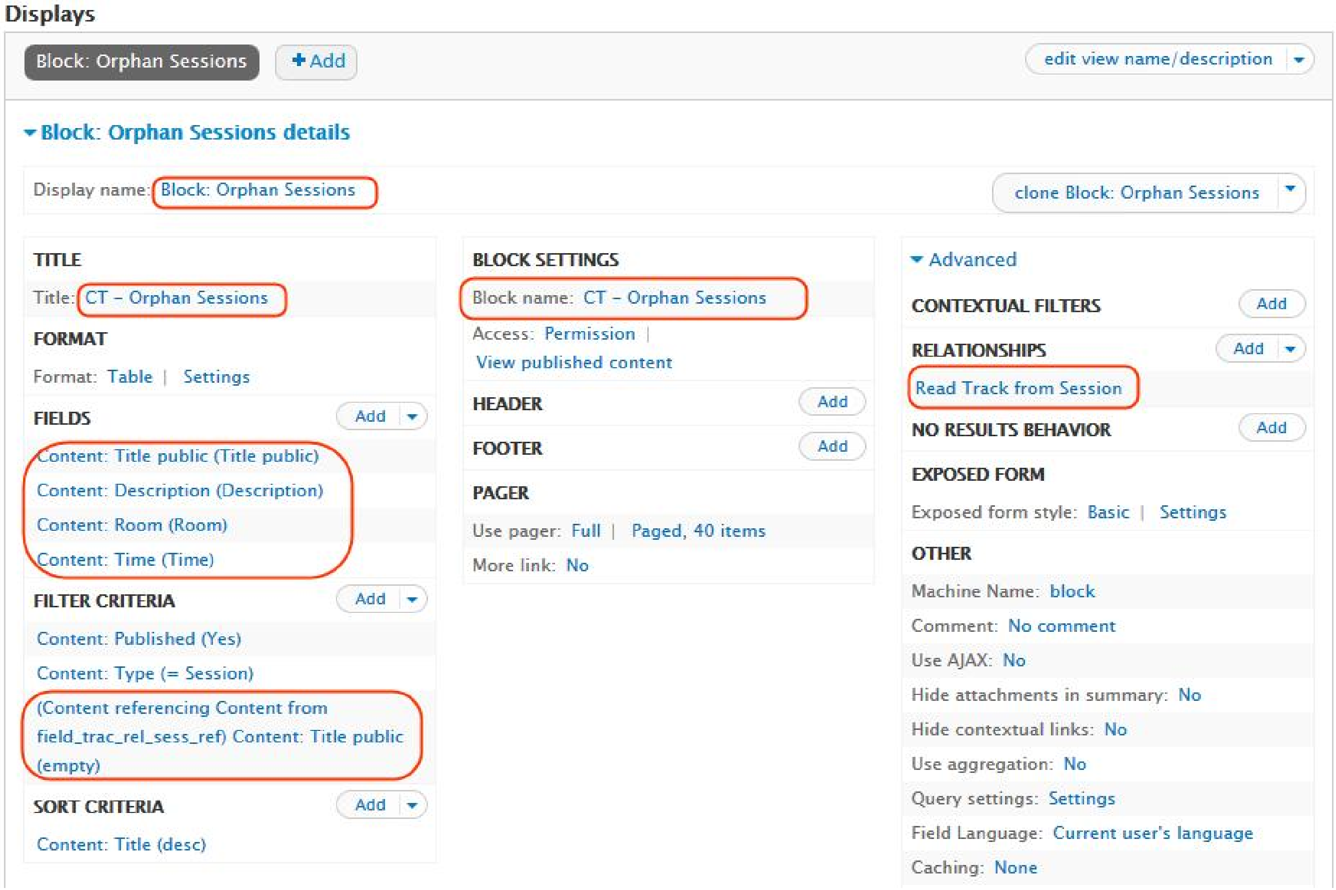
☑ Use a pager

Next we are going to set some basic values for this view.

1. Ensure the display name is **Block: Sessions**. To do this:
    a. Click on the display name and set the name to **Block: Sessions**.
    b. Set the description to "Display the Sessions associated with an Track in a block.".
    c. Click on apply.

2. If necessary, click on the Tile and change it to **CT - Orphan Sessions**.

3. Set the blocks' name. You do this by:
    d. Clicking on the block name, which is at the top of the center column.
    e. Set the block name to **CT - Orphan Sessions**
    f. Click on apply.
6. Set the pager to 40 items per page with a mini pager.



Displays

Block: Orphan Sessions

Block: Orphan Sessions details

Display name: Block: Orphan Sessions

TITLE

Title: CT – Orphan Sessions

FORMAT

Format: Table | Settings

FIELDS

Content: Title public (Title public)

Content: Description (Description)

Content: Room (Room)

Content: Time (Time)

FILTER CRITERIA

Content: Published (Yes)

Content: Type (= Session)

(Content referencing Content from field_trac_rel_sess_ref) Content: Title public (empty)

SORT CRITERIA

Content: Title (desc)

BLOCK SETTINGS

Block name: CT – Orphan Sessions

Access: Permission | View published content

HEADER

FOOTER

PAGER

Use pager: Full | Paged, 40 items

More link: No

Advanced

CONTEXTUAL FILTERS

RELATIONSHIPS

Read Track from Session

NO RESULTS BEHAVIOR

EXPOSED FORM

Exposed form style: Basic | Settings

OTHER

Machine Name: block

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

When you look at the results of this view, you will notice that the output is "Drupal Camp Fort Lauderdale". This is not what we want. We want to list the Sessions associated with Drupal Camp Fort Lauderdale. And we will do that on the next page.

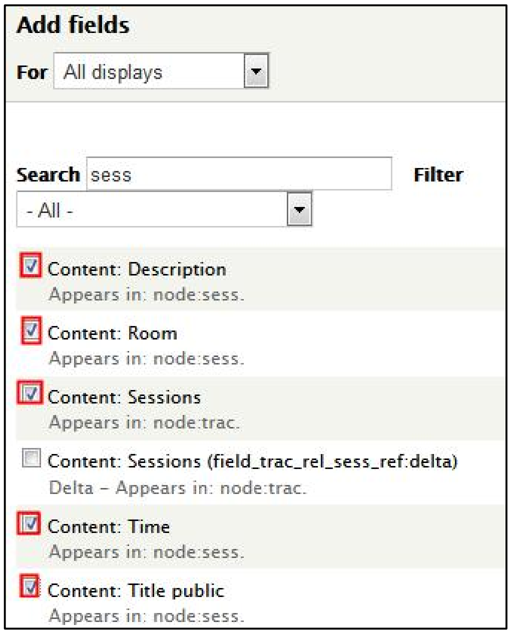
Add the Fields

Click on Add button to the right of the "Fields" header. Then- search for fields with the string "trac" in a field. Please choose the following fields (Choose "Do not use a relationship" for all of the following fields):

1. Title Public
    a. This appears in: node:sess.
2. Description
    a. This appears in: node:sess.
3. Room
    a. This appears in: node:sess.
4. Time
    a. This appears in: node:sess.
5. Delete the field "Title" from the view.

Caution: If you do not choose the proper relationship, this view will NOT work.

At this point, you should have a view that lists all of the existing Sessions. Now we need to add a filter to only list the orphan Sessions. However, before we can do that we must first relate the Session content type to the Track content type. And, if you remember, we do this by adding a relationship.



Add fields

For All displays ▾

Search sess **Filter**

- All - ▾

☑ Content: Description
Appears in: node:sess.

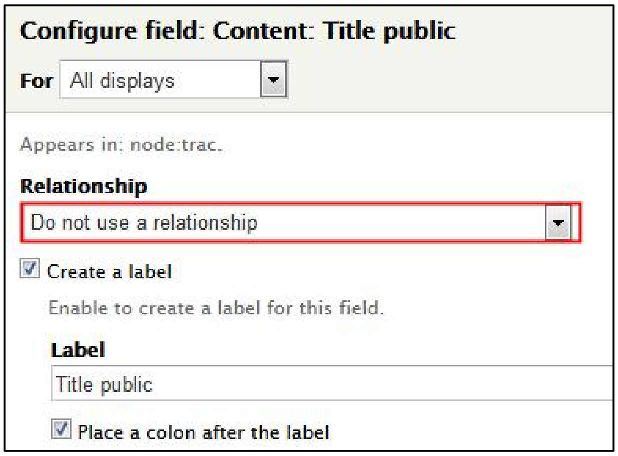
☑ Content: Room
Appears in: node:sess.

☑ Content: Sessions
Appears in: node:trac.

□ Content: Sessions (field_trac_rel_sess_ref:delta)
Delta – Appears in: node:trac.

☑ Content: Time
Appears in: node:sess.

☑ Content: Title public
Appears in: node:sess.



Configure field: Content: Title public

For All displays ▾

Appears in: node:trac.

Relationship
Do not use a relationship ▾

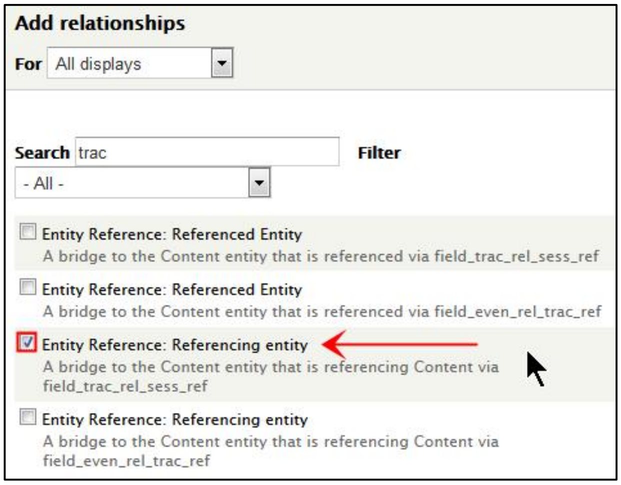
☑ Create a label
Enable to create a label for this field.

Label
Title public

☑ Place a colon after the label

Add A Relationship

Next, we need to associate the Track with its Sessions. We will do this by setting up a relationship to the Sessions content type. This is done by:



Add relationships

For All displays ▾

Search trac

- All - ▾

☐ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_trac_rel_sess_ref

☐ Entity Reference: Referenced Entity
A bridge to the Content entity that is referenced via field_even_rel_trac_ref

☑ Entity Reference: Referencing entity
A bridge to the Content entity that is referencing Content via field_trac_rel_sess_ref

☐ Entity Reference: Referencing entity
A bridge to the Content entity that is referencing Content via field_even_rel_trac_ref

1. Click on “ADVANCE” heading, which is on the right hand side of the page and about halfway down. When you click on the Advanced heading, quite a few fields will appear below.

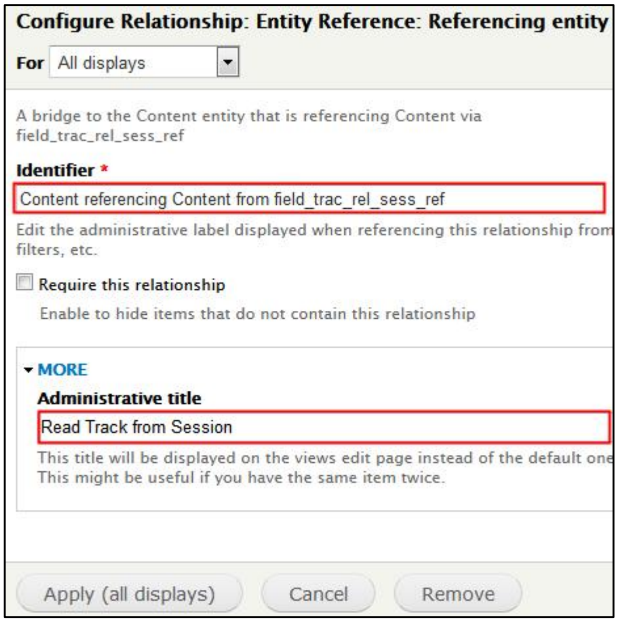
2. Locate the Relationship heading.

3. Click on the Add button, which is to the right of the word Relationship.

4.

5. From the resulting list, check the box next to the field referencing via “**field_even_rel_trac_ref**”. If you look At the create Track Content Type notes, you will see that field_even_rel_trac_ref is the machine name for the entity reference Sessions.

6. Click Apply.



Configure Relationship: Entity Reference: Referencing entity

For All displays ▾

A bridge to the Content entity that is referencing Content via field_trac_rel_sess_ref

Identifier *

Content referencing Content from field_trac_rel_sess_ref

Edit the administrative label displayed when referencing this relationship from filters, etc.

☐ Require this relationship
Enable to hide items that do not contain this relationship

▾ MORE

Administrative title

Read Track from Session

This title will be displayed on the views edit page instead of the default one
This might be useful if you have the same item twice.

7. Click on the More heading in the Configure Relationship: Entity Reference: Referenced Entity window. In the administrative title field, enter “Read the Sessions from the Track”. This provides us with an easier to read title.

8. Click apply.

9. Under the Relationship heading it should now display the text “**Read Session from Tracks**”. If it does not, then you did something wrong. Please go back and review the instruction and correct the problem.

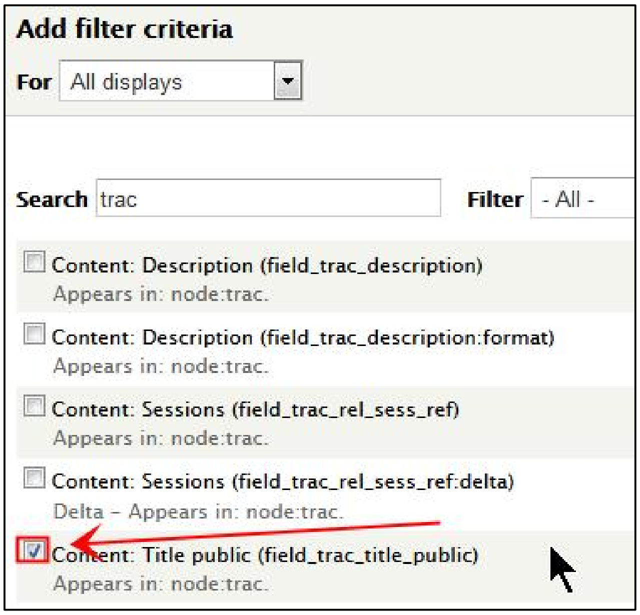
At this point, the view still should show every single you entered. While this is not the desired result, it is the expected results at this point. The next part of the view will be to add the fields that will limit the view to only show the orphan Sessions. That is covered on the next page.

Add A Filter

Next, we need to show just the Sessions that are not associated with an Track. We do this by creating a filter field that displays any Session where the Track's Title Public field is null.

If a Session is associated with an Track, there that Session will have an value for the Track's Title Public field. Any Session that has a value for the Tracks Title Public field, then it is not an orphan. If a Session is not associated with an Track, then there will be no value for its Track Title Public field. The Sessions without a value for their Track Title Public field are considered orphans, and are to be included in this report .

To do this, we will create a filter field using the Track Title Public field. (In actuality, we could use any required field on the Track content type). Click on the add button next to the Filter Criteria label. Enter "Track" in the search box. All of the fields that have the text "Track" will be listed. Please select the Title Public field for the node.



Add filter criteria

For All displays

Search trac Filter - All -

□ Content: Description (field_trac_description)
Appears in: node:trac.

□ Content: Description (field_trac_description:format)
Appears in: node:trac.

□ Content: Sessions (field_trac_rel_sess_ref)
Appears in: node:trac.

□ Content: Sessions (field_trac_rel_sess_ref:delta)
Delta - Appears in: node:trac.

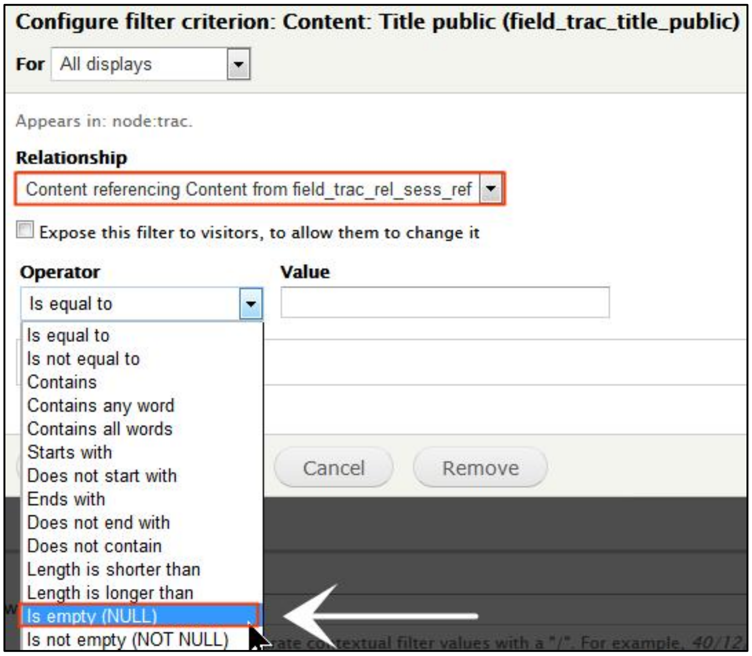
☑ Content: Title public (field_trac_title_public)
Appears in: node:trac.

When the configure filter criteria window is displayed, please choose the "Content referencing Content from field_even_rel_trac_ref" in the relationship drop down menu.

Click on the operator box a drop down menu will appear. Please choose is empty(NUILL) from the drop-down menu. Then click on the apply button.

1. Click apply.

2. Under the Relationship heading it should now display the text "**Read Track from the Session**". If it does not, then you did something wrong. Please go back and review the instruction and correct the problem.



Configure filter criterion: Content: Title public (field_trac_title_public)

For All displays

Appears in: node:trac.

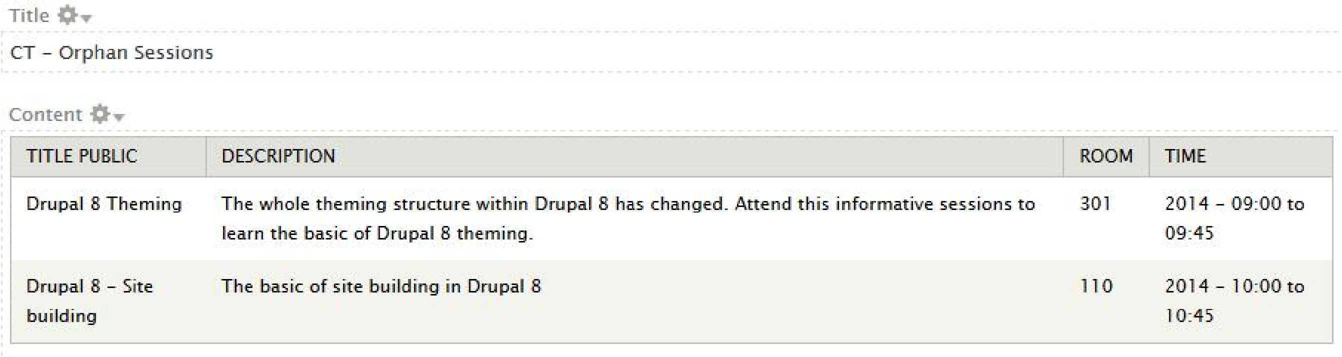
Relationship
Content referencing Content from field_trac_rel_sess_ref

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

Operator: Is equal to

Value:

At this point, the view should list the just the orphaned Session content types. In my case, the view looks like:



Title

CT – Orphan Sessions

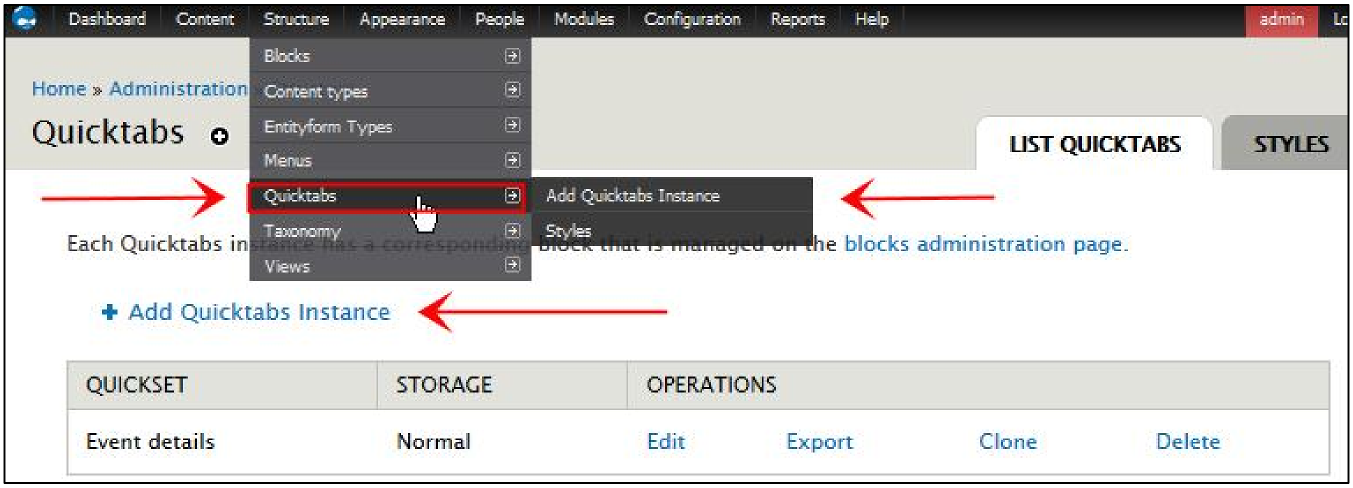
Content

TITLE PUBLIC	DESCRIPTION	ROOM	TIME
Drupal 8 Theming	The whole theming structure within Drupal 8 has changed. Attend this informative sessions to learn the basic of Drupal 8 theming.	301	2014 - 09:00 to 09:45
Drupal 8 – Site building	The basic of site building in Drupal 8	110	2014 - 10:00 to 10:45

Does you view look like the one above? If so, congratulations on your accomplishments. if not, please go back an verify all of the settings.

Define the Quick Tabs for the Event Page.

Ok, now that we have a view of tracks for an event and that information appears in a block, we need to add that block to the quick tab and make the quick tab appear on the event page.



Each Quicktabs instance has a corresponding block that is managed on the blocks administration page.

QUICKSET	STORAGE	OPERATIONS			
Event details	Normal	Edit	Export	Clone	Delete

The Quick Tab module enables you to define a block in which it places the tabs. You then define on which pages this quick tab block is to appear. In this case, the quick tab block will be placed on the Event pages.

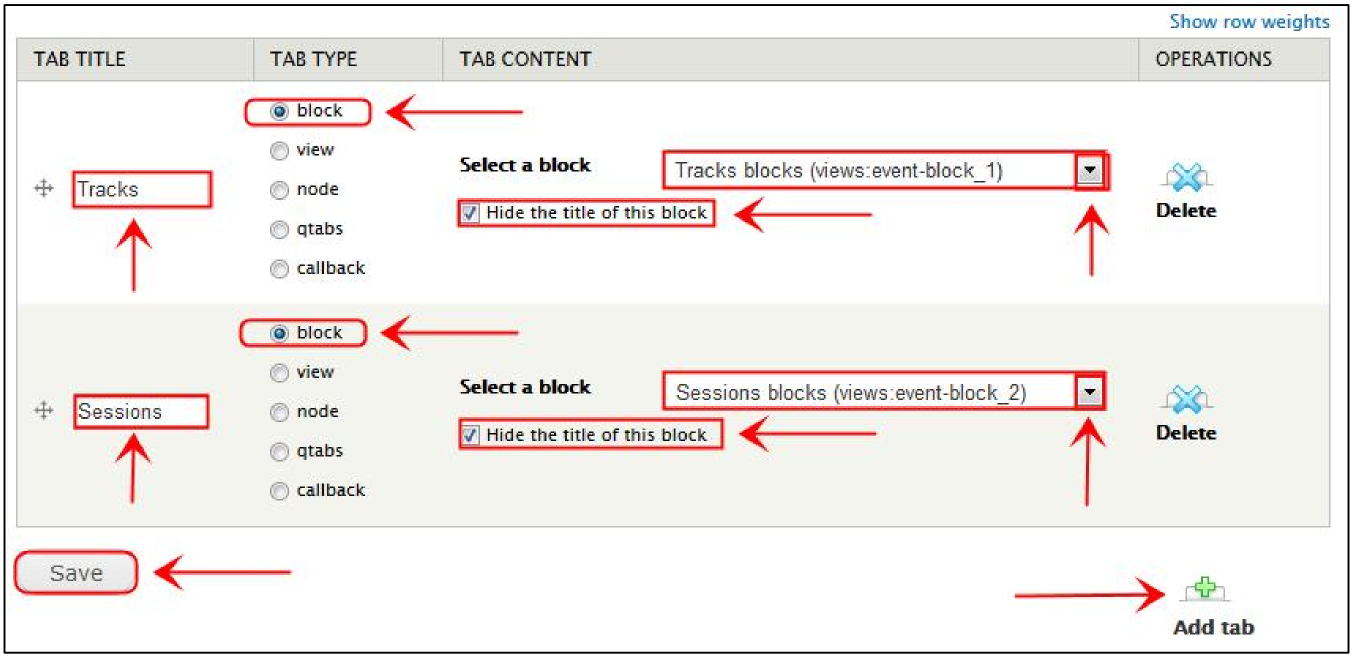
First, we will enter the basic information required to define a quick tab “block”. (Note: Quick tab create a block and then puts all of it’s stuff in that block. So yes, we will have a view in a block which is inside of a Quick Tab block.) Then, we will define which view goes in which tab; the Track view in the first tab and the Sessions view in the second tab.

So, let us define the basic information for the quick tab block.

Title:	Event details	
Render:	quicktabs	Make sure you choose “quicktabs” for Renderer
Style:	Excel	There are many different styles from which to choose. You can choose any style you like.
Ajax:	No	Default value. You can read the advantage and disadvantages of choosing Yes or No. Either value is fine for our purposes.
Hide empty tabs:	Check box	The default value for this is checked.

Then we need to define what blocks will appear in each of the tabs. The first tab will have a title of Tracks and it will contain the tracks view. The second tab will have a title of Sessions and it will contain the Sessions view.

The first tab will have a title of "Tracks" and the tab type will be a block. In the Tab Content column, please select the Tracks block from the drop down menu. If you remember, we defined this block in the Tracks view that we created above.



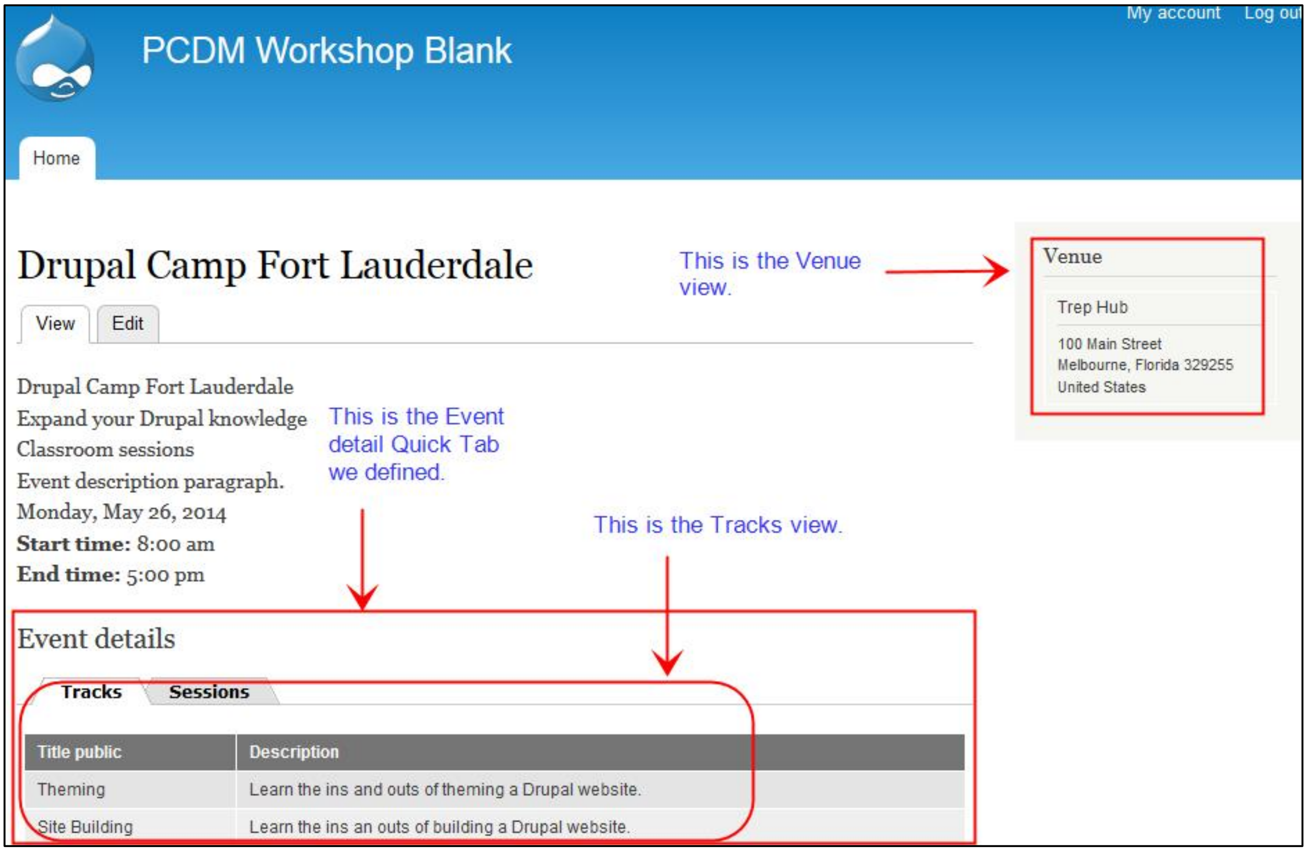
Show row weights

TAB TITLE	TAB TYPE	TAB CONTENT	OPERATIONS
Tracks	● block ○ view ○ node ○ qtabs ○ callback	Select a block: Tracks blocks (views:event-block_1) ☑ Hide the title of this block	Delete
Sessions	● block ○ view ○ node ○ qtabs ○ callback	Select a block: Sessions blocks (views:event-block_2) ☑ Hide the title of this block	Delete

The second tab will have a title of "Sessions" and the tab type will be a block. In the Tab Content column, please select the Sessions block from the drop down menu. If you remember, we defined this block in the Sessions view that we created above.

Once you are done, you can click on the Save button.

Congratulations, if you have followed all of the instructions, your home page should look like:the below image.



Drupal Camp Fort Lauderdale

Drupal Camp Fort Lauderdale
Expand your Drupal knowledge
Classroom sessions
Event description paragraph.
Monday, May 26, 2014
Start time: 8:00 am
End time: 5:00 pm

This is the Venue view.

Venue

Trep Hub

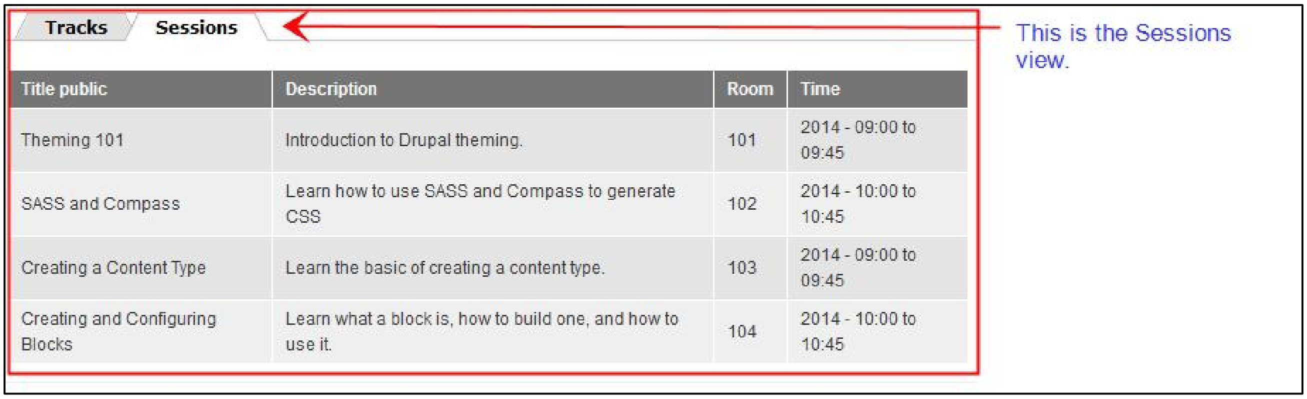
100 Main Street
Melbourne, Florida 329255
United States

This is the Event detail Quick Tab we defined.

This is the Tracks view.

Event details

Title public	Description
Theming	Learn the ins and outs of theming a Drupal website.
Site Building	Learn the ins an outs of building a Drupal website.



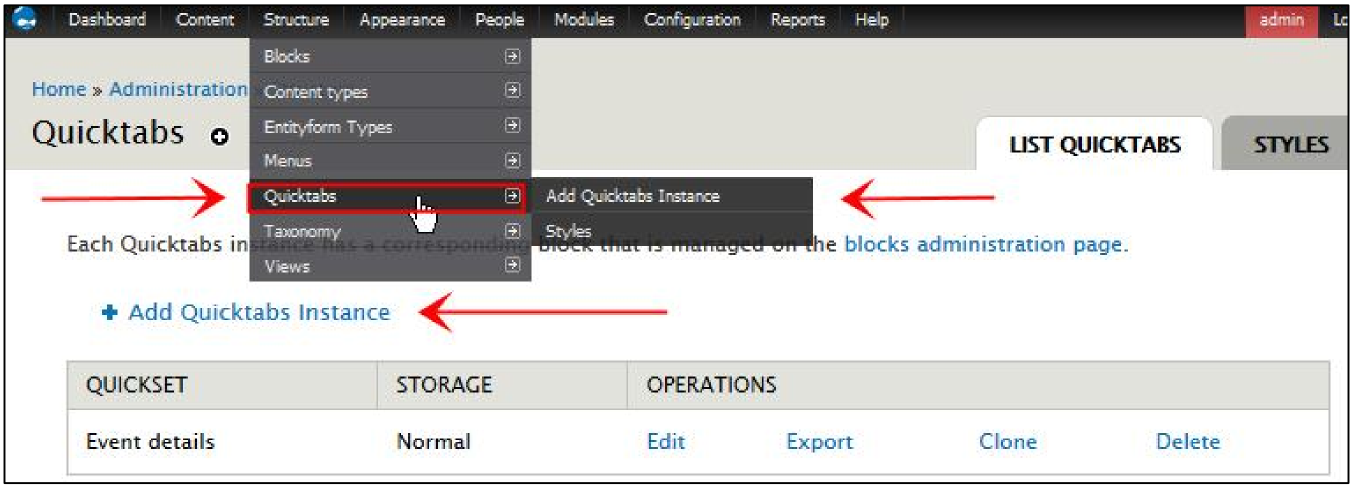
This is the Sessions view.

Title public	Description	Room	Time
Theming 101	Introduction to Drupal theming.	101	2014 - 09:00 to 09:45
SASS and Compass	Learn how to use SASS and Compass to generate CSS	102	2014 - 10:00 to 10:45
Creating a Content Type	Learn the basic of creating a content type.	103	2014 - 09:00 to 09:45
Creating and Configuring Blocks	Learn what a block is, how to build one, and how to use it.	104	2014 - 10:00 to 10:45

The top image is the home page with the Tracks tab open. The bottom image is the same page, but with the Sessions tabs open. If you know, only the Tracks and Sessions associated with the Drupal Camp Fort Lauderdal (node ID of 16) are being displayed.

Define the Quick Tabs for the Orphans Page.

Ok, now that we have the orphan views that appear in blocks, we need to add that block to the quick tab and make the quick tab appear on the Orphan page.

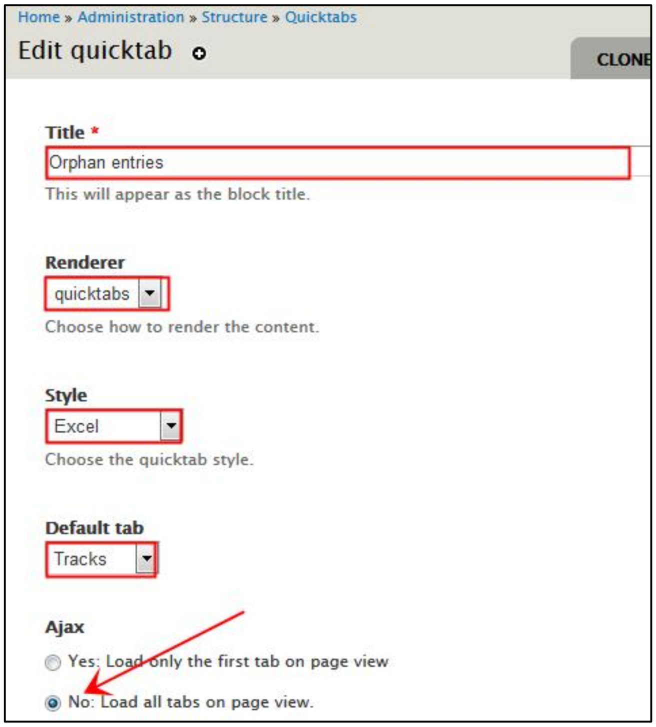


Quicktabs

Each Quicktabs instance has a corresponding block that is managed on the blocks administration page.

QUICKSET	STORAGE	OPERATIONS			
Event details	Normal	Edit	Export	Clone	Delete

The Quick Tab module enables you to define a block in which it places the tabs. You then define on which pages this quick tab block is to appear. In this case, the quick tab block will be placed on the Event pages.



Edit quicktab

Title *
Orphan entries
This will appear as the block title.

Renderer
quicktabs
Choose how to render the content.

Style
Excel
Choose the quicktab style.

Default tab
Tracks

Ajax
○ Yes: Load only the first tab on page view
● No: Load all tabs on page view.

First, we will enter the basic information required to define a quick tab “block”. (Note: Quick tab create a block and then puts all of it’s stuff in that block. So yes, we will have a view in a block which is inside of a Quick Tab block.) Then, we will define which view goes in which tab; the Track view in the first tab and the Sessions view in the second tab.

So, let us define the basic information for the quick tab block.

Note: in order to have the default tab, you must first have defined some tabs. Therefore the first time you go through the screen you will not have the option for a default tab as you’ve not defined any tabs yet.

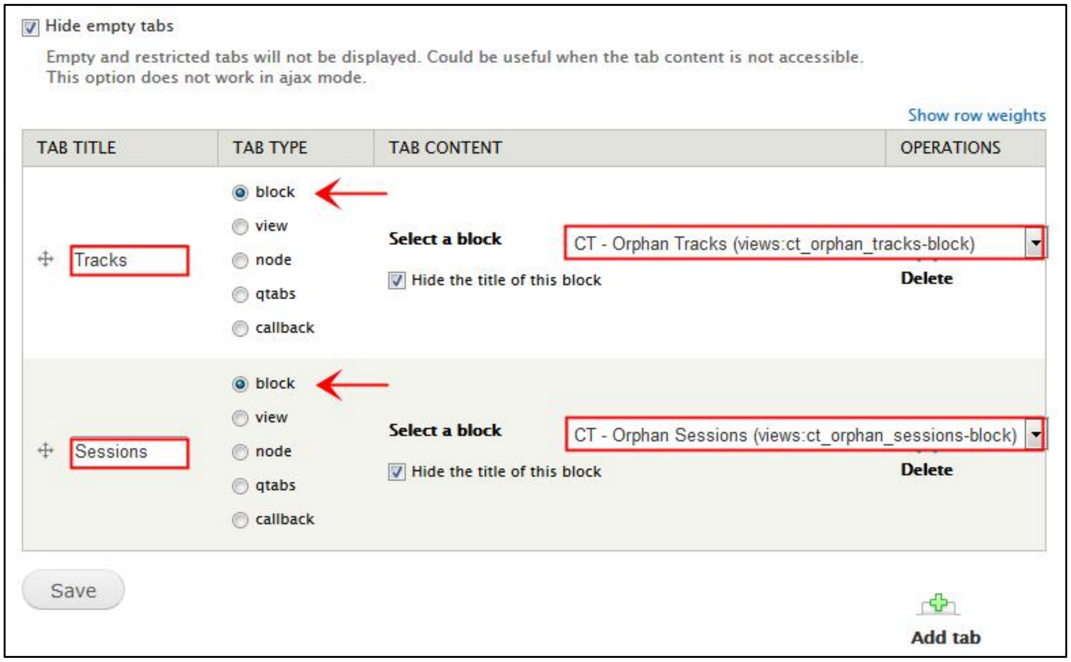
However, once you have defined your tabs and submitted the page, you can come back to this page and set the default tab. In my case, I have set the orphan track tab has my default tab.

Now let’s look at how to answer the rest of the questions on this page:

Title:	Orphan Entries	
Render:	quicktabs	Make sure you choose “quicktabs” for Renderer
Style:	Excel	There are many different styles from which to choose. You can choose any style you like.
Ajax:	No	Default value. You can read the advantage and disadvantages of choosing Yes or No. Either value is fine for our purposes.
Hide empty tabs:	Check box	The default value for this is checked. In this case, we want to automatically hide any tabs are empty. This way we will know as soon as the page is displayed if there are any orphaned entries. If there is no tab for entry, then there are no orphan entries

Then we need to define what blocks will appear in each of the tabs. The first tab will have a title of Tracks and it will contain the Orphan Tracks view. The second tab will have a title of Sessions and it will contain the Orphan Sessions view.

The first tab will have a title of “Tracks” and the tab type will be in a block. In the Tab Content column, please select the CT - Orphan Track block from the drop down menu. If you remember, we defined this block in the Orphan Tracks view that we created in a prior step.



☑ Hide empty tabs

Empty and restricted tabs will not be displayed. Could be useful when the tab content is not accessible.
This option does not work in ajax mode.

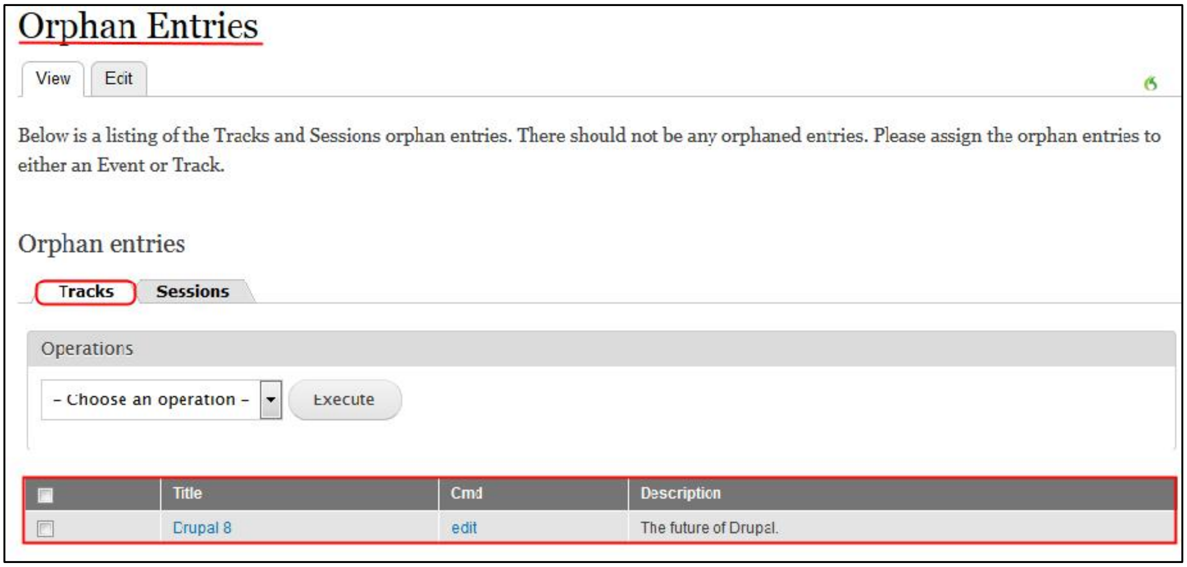
Show row weights

TAB TITLE	TAB TYPE	TAB CONTENT	OPERATIONS
Tracks	● block ○ view ○ node ○ qtabs ○ callback	Select a block: CT - Orphan Tracks (views:ct_orphan_tracks-block) ☑ Hide the title of this block	Delete
Sessions	● block ○ view ○ node ○ qtabs ○ callback	Select a block: CT - Orphan Sessions (views:ct_orphan_sessions-block) ☑ Hide the title of this block	Delete

The second tab will have a title of “Sessions” and the tab type will be in a block. In the Tab Content column, please select the CT - Orphan Sessions block from the drop down menu. If you remember, we defined this block in the Orphan Sessions view that we created above.

Once you are done, you can click on the Save button.

Congratulations, if you have followed all of the instructions, your Orphan basic page should look like the below image.

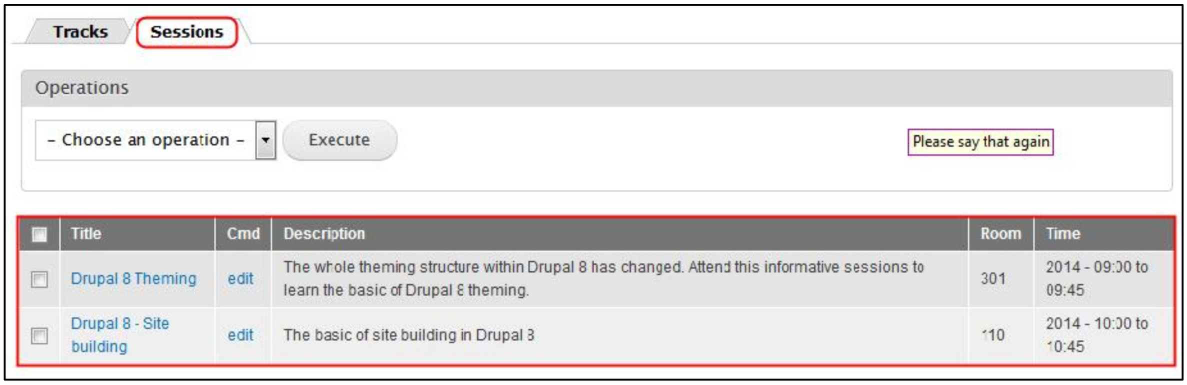


Orphan Entries

Below is a listing of the Tracks and Sessions orphan entries. There should not be any orphaned entries. Please assign the orphan entries to either an Event or Track.

Orphan entries

□	Title	Cmd	Description
□	Drupal 8	edit	The future of Drupal.



□	Title	Cmd	Description	Room	Time
□	Drupal 8 Theming	edit	The whole theming structure within Drupal 8 has changed. Attend this informative sessions to learn the basic of Drupal 8 theming.	301	2014 - 09:30 to 09:45
□	Drupal 8 - Site building	edit	The basic of site building in Drupal 8	110	2014 - 10:30 to 10:45

The top image is the home page with the Orphan Tracks tab open. The bottom image is the same page, but with the Orphan Sessions tabs open..

Additional Concepts

- A new module to blow away users and bring elegance to your solution
- Potential Bolt On Function discussion

Appendix A - Dictionary

foreign key

In the context of relational databases, a **foreign key** is a field (or collection of fields) in one table that uniquely identifies a row of another table. In other words, a foreign key is a column or a combination of columns that is used to establish and enforce a link between two tables.

Appendix B - New module / field types

Discuss the following modules:

1. Entity reference fields
2. Entity connect
3. Horizontal tab group
4. Horizontal tabs

Appendix C - Find node's "nid"

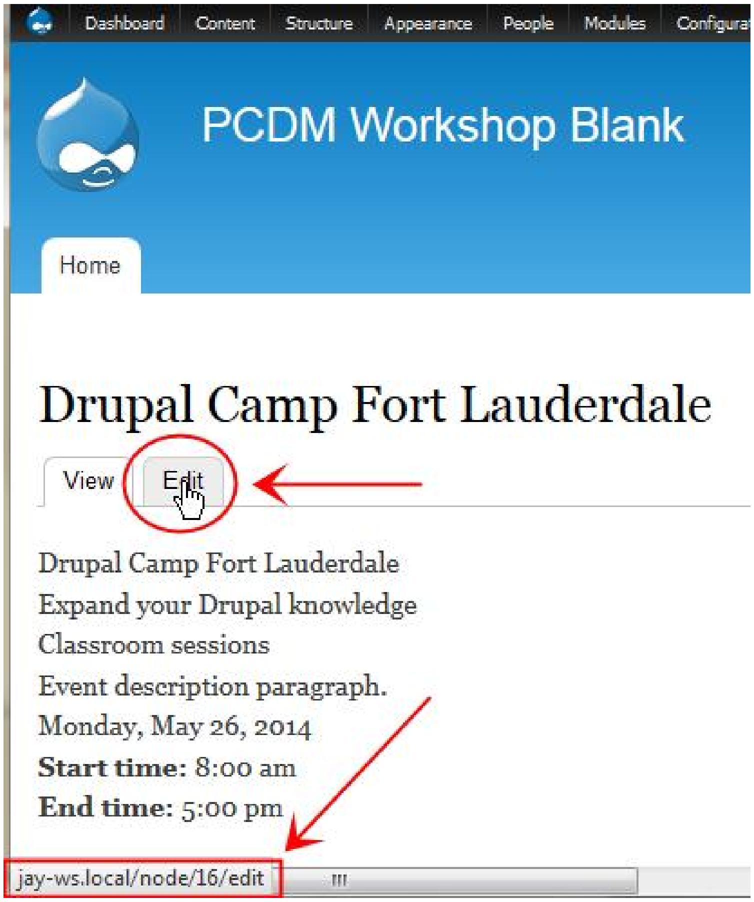
There are multiple ways to determine a node's nid. We will take a look at two methods.

The first method assumes that you can access the node via its URL. In the case of our Event, it is displayed on the home page.

Assuming you are logged in as administrator, when the node is displayed it will have both a View and Edit tab. If you "hover" your mouse over the Edit tab, the node's nid will be displayed in the bottom left or right hand corner of your web browser.

The nid for the node that is being displayed is the number between the word "node" and "edit".

In the example on the right, the nid of the Drupal Camp Fort Lauderdale node is 16.



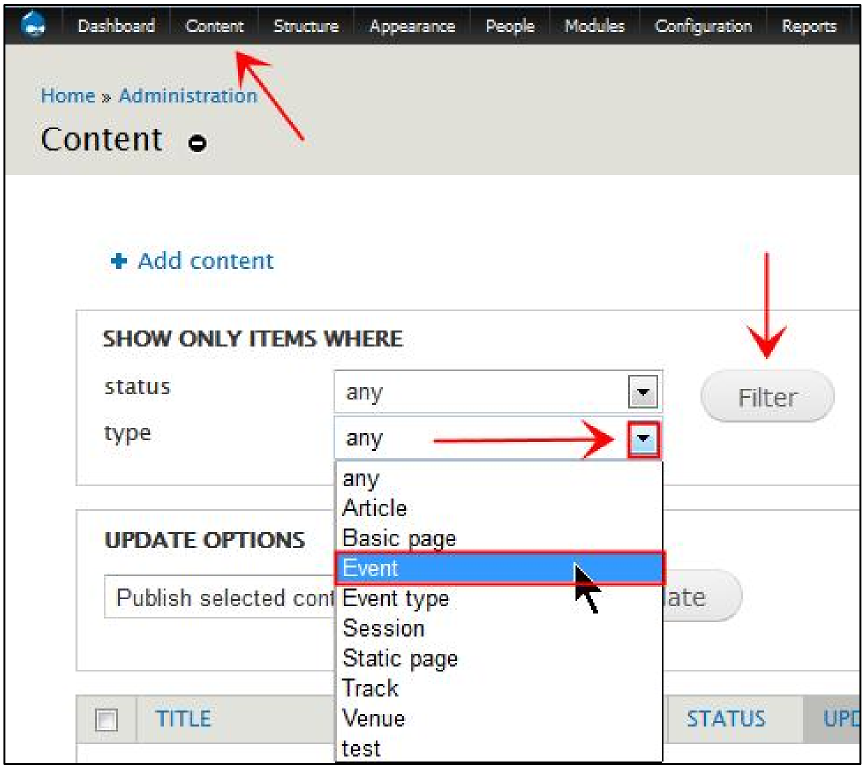
Drupal Camp Fort Lauderdale

Drupal Camp Fort Lauderdale
Expand your Drupal knowledge
Classroom sessions
Event description paragraph.
Monday, May 26, 2014
Start time: 8:00 am
End time: 5:00 pm

jay-ws.local/node/16/edit

The second method to find a node's nid is to list the content / nodes of the desired content types. If you hover your mouse over the edit operation, the node's nid will be displayed in the bottom corner (either left or right) of the browser.

This approach also assumes that you are login has the administrator. In my case I had the admin menu module enabled and the toolbar module disabled.



status: any
type: any

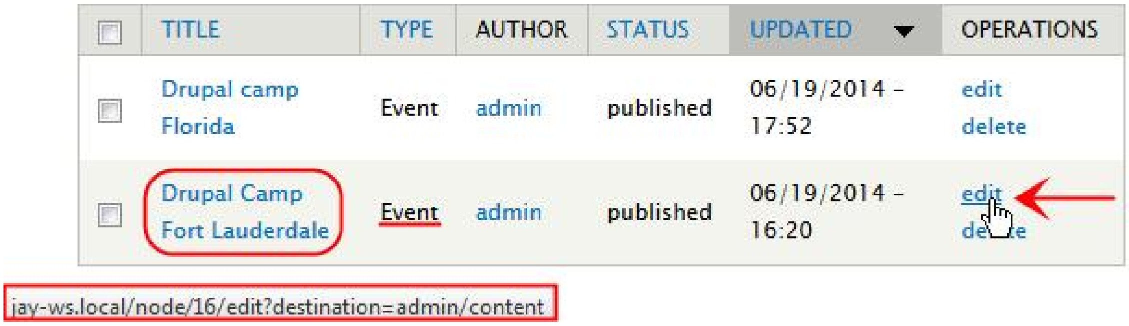
- any
- Article
- Basic page
- Event
- Event type
- Session
- Static page
- Track
- Venue
- test

To list the content on your site, simply click on the Content menu option in the administrator menu. This will display all of the content that is on your site.

However, we do not want to see all of the content, we just want to see content of a certain type. To do this, click on the down arrow next to the type and select the desired content type. In this example we are going to select the Event content type. So please select the Event content type and then click on the Filter button.

Only the nodes with a content type of Event will be displayed

In this example, we want to find the nid for the Drupal Camp Fort Lauderdale Event node. So, to do this simply hover your mouse over the edit hyperlink and the node ID will be displayed in the bottom corner (either left or right) of the browser. In the below example, the node ID is found between the word "node" and "edit". The node ID for Drupal Camp Fort Lauderdale is16.



□	TITLE	TYPE	AUTHOR	STATUS	UPDATED	OPERATIONS
□	Drupal camp Florida	Event	admin	published	06/19/2014 - 17:52	edit delete
□	Drupal Camp Fort Lauderdale	Event	admin	published	06/19/2014 - 16:20	edit delete

jay-ws.local/node/16/edit?destination=admin/content

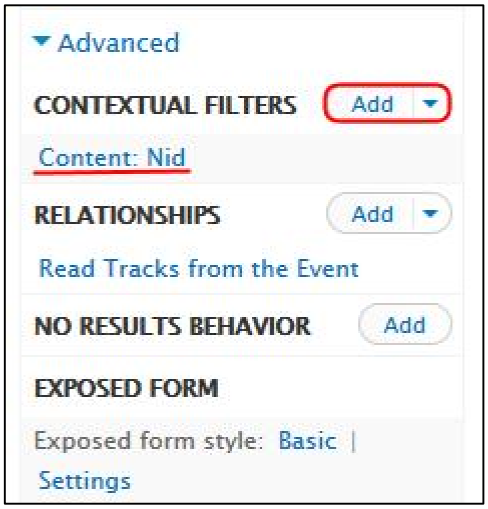
Congratulations! You now know two different methods to find a node's nid.

Appendix D - Add a Contextual Filter

So, while adding a contextual filter might be new to you, it’s actually pretty easy. I will admit the first time I worked with contextual filters, I was a bit stressed out. However, once I worked with them a bit, I realized was very straightforward.

To add a contextual filter, we first need to decide on what data we are going to filter. Most of the views in this document will be filtered based upon the Event content type node ID. Please note, in the example on the right the Content: Nid is referring to the node ID of the Event content type.

By default, the Advanced. Options are collapsed. You can expand the options by clicking on the Advanced button.



▾ Advanced

CONTEXTUAL FILTERS [Add ▾]

Content: Nid

RELATIONSHIPS [Add ▾]

Read Tracks from the Event

NO RESULTS BEHAVIOR [Add]

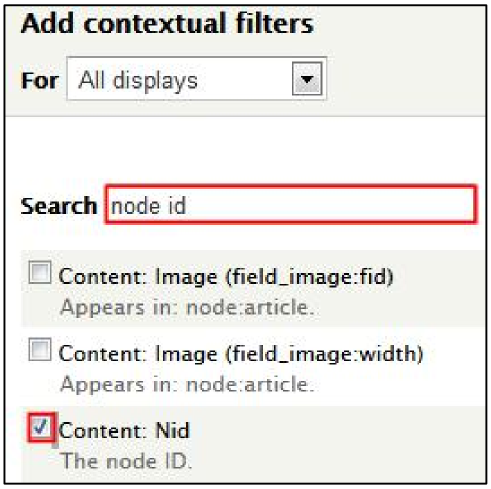
EXPOSED FORM

Exposed form style: Basic | Settings

To add a contextual filter simply you should :

1. Click on the add button to the right of the Contextual Filter header. The Add contextual filters window will appear.
.
2. We will search on node ID, since that is the field we need. In our example, we will check the Content: Nid field .

3. Click on the apply button and the Configure contextual filter: Content: Nid page will appear.



Add contextual filters

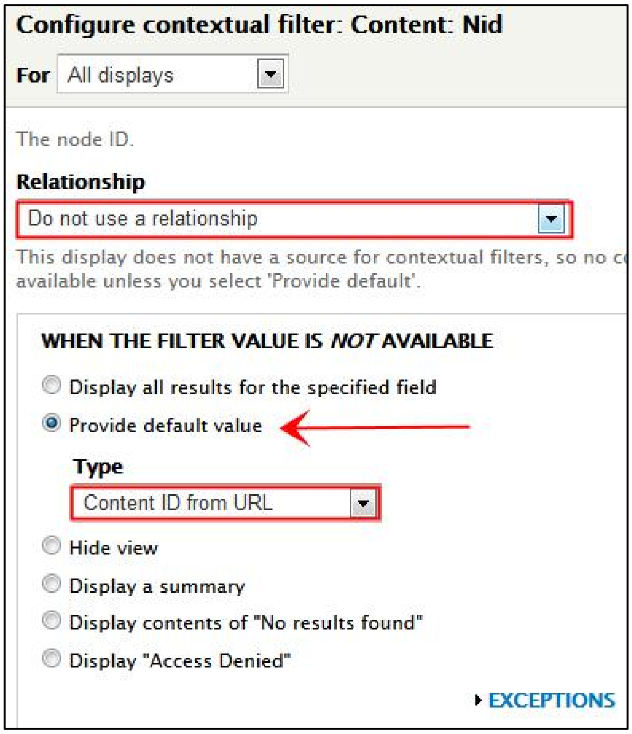
For: All displays

Search: node id

☐ Content: Image (field_image:fid)
Appears in: node:article.

☐ Content: Image (field_image:width)
Appears in: node:article.

☑ Content: Nid
The node ID.



Configure contextual filter: Content: Nid

For All displays

The node ID.

Relationship

Do not use a relationship

This display does not have a source for contextual filters, so no c
available unless you select 'Provide default'.

WHEN THE FILTER VALUE IS *NOT* AVAILABLE

- ○ Display all results for the specified field
- ● Provide default value
  - **Type**: Content ID from URL
- ○ Hide view
- ○ Display a summary
- ○ Display contents of "No results found"
- ○ Display "Access Denied"

This window allows you to define two main items:

1. Whether or not this contextual filter should use a relationship or not. If there is no relationship to be used, choose "Do not use a relationship". If you do need a relationship for this contextual filter, please choose the appropriate relationship from the drop-down menu.

   For the purposes of this paper, unless otherwise stated, none of our contextual filters will use a relationship.

2. You can specify from where views is to obtain the filter value. In our case, all of our contextual filters will use "Provide default value".

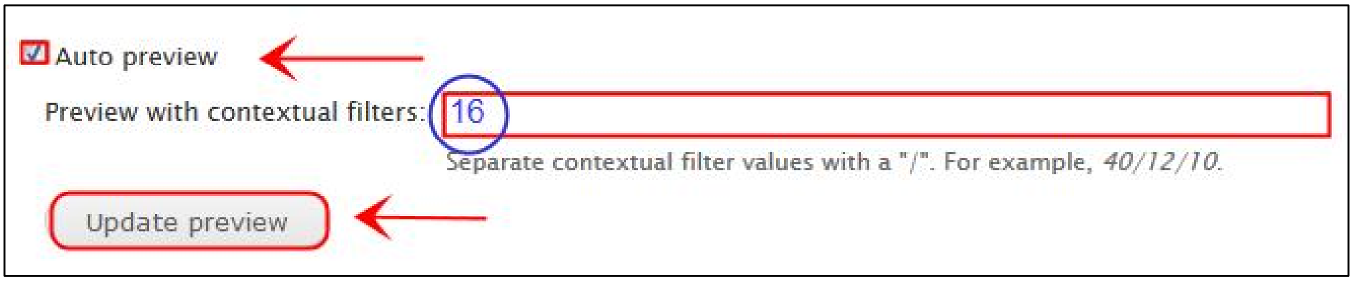
   To do this, click on the "**Provide default value**" radio button under the heading "**When the filter value is not available** "

3. In all of our use cases for this paper, please choose "**Content ID from URL**". This will cause views to retrieve the current Event node ID from the URL.

4. Click on apply and you are done..

Appendix E - Manually enter contextual filter value

In order to test a view with a contextual filter, you need to be able to enter a value for the contextual filter in the "preview with contextual filter" text box on the Structure ➔ Views page. In order to do that, you must know the value of the contextual filter. In our case, the value of the contextual filters will be the node ID of the Event content types. (If you do not know how to find a node's id, please read Appendix C - Find a node's ID).



☑ Auto preview

Preview with contextual filters: 16

Separate contextual filter values with a "/". For example, *40/12/10*.

To make sure the auto preview checkbox is checked. (It should be checked by default.) And enter your node's ID in the "Preview with contextual filters" text box. Then click on the update preview button and your view should then display the information for the specified node ID.

If nothing is displayed, then one of two things is wrong:

1. The node ID is incorrect.
2. There is something wrong with the contextual filter specifications.

In my example, the node ID for the node Drupal Camp Fort Lauderdale is 16. Once I entered the value 16 in the contextual filter text box, and click on the "Update preview" button, my view work as expected