



2015

# Building an Image Gallery with Drupal 8

# Who are we?



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# Assumptions

You are familiar with setting up a Drupal site

You are familiar with the Views module

You are familiar with:

Creating Content Type

Creating Content

# Topics

A common Drupal site building recipe is how to set up an image gallery.

This session will cover the challenges encountered while trying to setup an image gallery and how to overcome them.

At the end of the session, attendees will understand how to have a basic responsive image gallery up and running in different devices such as desktop, tablet, and mobile.





# Drupal 8 System Requirements

- **MySQL 5.5.3/MariaDB/Percona/equivalent or higher with PDO and an InnoDB-compatible primary storage engine, PostgreSQL 8.3 or higher with PDO, SQLite 3.3.7 or higher**
- **PHP 5.5 or higher**



# Two Examples

- **Basic Image Gallery**
- **HTML5 Responsive Image Gallery with Juicebox**



# Basic Image Gallery

## Modules needed

### Core Modules

1. Breakpoint
2. Responsive Image
3. Views



# Why use Responsive Image & Breakpoint ?



Mobile First !!!!

# Defining Breakpoints

**Mobile**

320

x

480

**Tablet**

768

x

1024

**above**

1024

+

# Steps

- 1. Create Content Type**
- 2. Create Content**
- 3. Setup Image Styles**
- 4. Setup Responsive Image Styles**
- 5. Create Views**



**Demo**  
<http://devmirror.info/govcon-2015>





# Creating Content Type

## Manage Field

+ Add field			
LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
basic gallery image	field_basic_gallery_image	Image	<button>Edit</button> ▾
Body	body	Text (formatted, long, with summary)	<button>Edit</button> ▾

# Creating Content Type

## Manage Display

FIELD	LABEL	FORMAT	Show row weights
 basic gallery image	Above	Responsive image	Responsive image style: gallery image Automatic fallback 
 Body	- Hidden -	Default	

# Creating Content

<input type="checkbox"/>	TITLE	CONTENT TYPE	AUTHOR	STATUS	UPDATED	OPERATIONS
<input type="checkbox"/>	image-one	basic image gallery	admin	Published	04/26/2015 - 01:57	<button>Edit</button> <input type="button" value="▼"/>
<input type="checkbox"/>	image-three	basic image gallery	admin	Published	04/26/2015 - 01:57	<button>Edit</button> <input type="button" value="▼"/>
<input type="checkbox"/>	image-two	basic image gallery	admin	Published	04/26/2015 - 01:57	<button>Edit</button> <input type="button" value="▼"/>
<input type="checkbox"/>	image-four	basic image gallery	admin	Published	04/26/2015 - 01:57	<button>Edit</button> <input type="button" value="▼"/>

# Add Image Styles (Configuration)

Configure styles for resizing or adjusting images on display

+ Add image style	
STYLE NAME	OPERATIONS
breakpoint-large	<button>Edit</button> ▾
breakpoint-medium	<button>Edit</button> ▾
breakpoint-small	<button>Edit</button> ▾

# Responsive Image Styles (Configuration)

## Edit responsive image style gallery image ☆

[Home](#) » [Administration](#) » [Configuration](#) » [Media](#) » [Responsive image styles](#)

**Label \***

gallery image

Machine name: gallery\_image

Example: 'Hero image' or 'Author image'.

**Breakpoint group \***

Bartik ▾

Select a breakpoint group from the installed themes. Warning: if you change the breakpoint group you lose all your selected image style mappings.

**1x wide [all and (min-width: 851px)]**

breakpoint-large ▾

Select an image style for this breakpoint.

**1x narrow [all and (min-width: 560px) and (max-width: 850px)]**

breakpoint-medium ▾

Select an image style for this breakpoint.

**1x mobile []**

breakpoint-small ▾

Select an image style for this breakpoint.

**Save**

[Delete](#)

# Creating Views



**TITLE**

Title: basic gallery image

**FORMAT**

Format: Grid | Settings

Show: Fields | **Settings**

**FIELDS**

Add ▾

- Content: Title
- Content: basic gallery image

**FILTER CRITERIA**

Add ▾

- Content: Publishing status (Yes)
- Content: Type (= basic image gallery)

**Column used for click sorting**

target\_id ▾

Used by Style: Table to determine the actual column to click  
usually fine.

**Formatter**

Responsive image ▾

**Responsive image style\***

gallery image ▾

**Fallback image style**

Large (480×480) ▾

**Link image to**

Nothing ▾

► MULTIPLE FIELD SETTINGS



# HTML5 Responsive Image Gallery with Juicebox



# Juicebox HTML5 Responsive Image gallery

## Modules needed

### Additional Contributed Module

1. Juicebox HTML5 Responsive Image Gallery



# Creating Content Type

Little different than basic gallery!!

## Field Settings

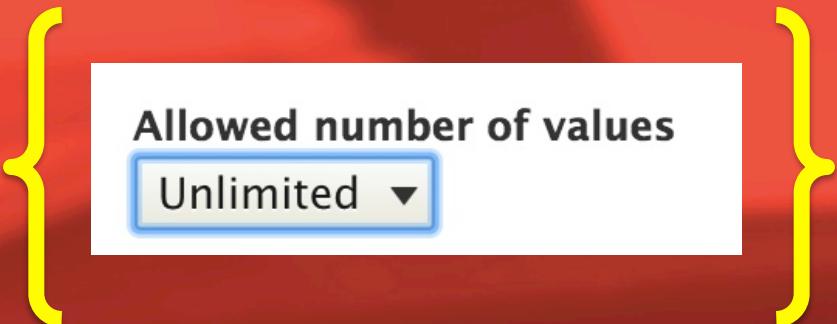
Allowed number of values

Limited ▼ 1



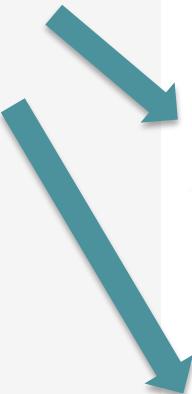
Allowed number of values

Unlimited ▼



# Creating Content

All images in  
**ONE**  
**node !!!!**



FILE INFORMATION	OPERATIONS
<p>Alternative text <input type="text" value="blue"/></p> <p>This text will be used by screen readers, search engines, or when the image cannot be loaded.</p> <p>Title <input type="text" value="blue"/></p> <p>The title is used as a tool tip when the user hovers over the image.</p>  <p> blue.jpg (26.05 KB)</p>	<p>Remove</p>
<p>Alternative text <input type="text" value="purple"/></p> <p>This text will be used by screen readers, search engines, or when the image cannot be loaded.</p> <p>Title <input type="text" value="purple"/></p> <p>The title is used as a tool tip when the user hovers over the image.</p>  <p> purple.jpg (25.48 KB)</p>	<p>Remove</p>

# Creating Views



<b>TITLE</b>		
Title: Juicebox gallery		
<b>FORMAT</b>		
Format: Unformatted list   Settings		
Show: Fields   Settings		
<b>FIELDS</b>	Add	▼
Content: Title		
Content: Juicebox-image-2		
<b>FILTER CRITERIA</b>	Add	▼
Content: Publishing status (Yes)		
Content: Type (= juicebox gallery 2)		
<b>SORT CRITERIA</b>	Add	▼
Content: Authored on (desc)		
<b>PAGE SETTINGS</b>		
Path: /juicebox-gallery-2		
Menu: Normal: juicebox gallery		
Access: Permission   View published content		
<b>HEADER</b>	Add	
<b>FOOTER</b>	Add	
<b>NO RESULTS BEHAVIOR</b>	Add	
<b>PAGER</b>		
Use pager: Full   Paged, 10 items		
More link: No		



# Creating Views

## Fields

### Content: Juicebox

Configure field: Content: Juicebox-image-2 X

For: All displays

Formatter: Juicebox Gallery

**⚠ WARNING:** You appear to be using the Juicebox field formatter with a field instance that is not directly attached to an entity. Support for this configuration is currently experimental. Please test your final gallery output thoroughly.

**Main Image Style:** Juicebox small (800x800)  
The style formatter for the main image.

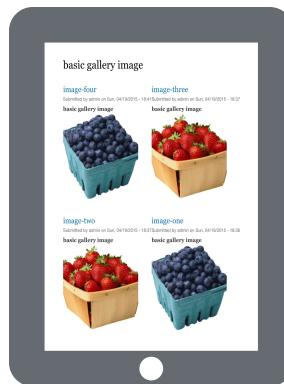
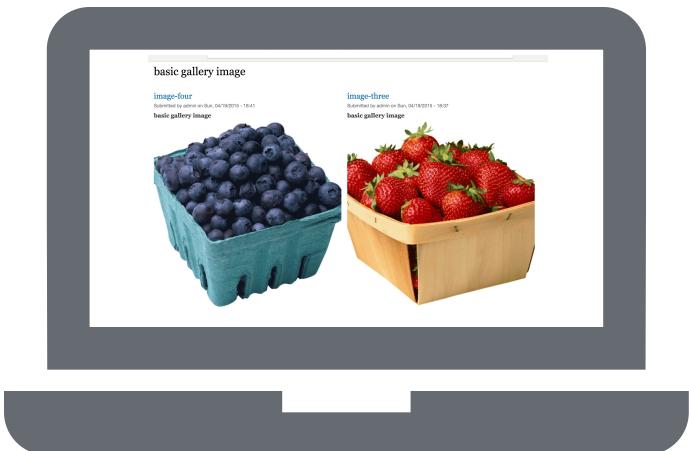
**Thumbnail Style:** Juicebox Square Thumbnail (85x85)  
The style formatter for the thumbnail.

**Caption Source:** File – Filename (processed by fallback text format)  
The image value that should be used for the caption.



# Demo

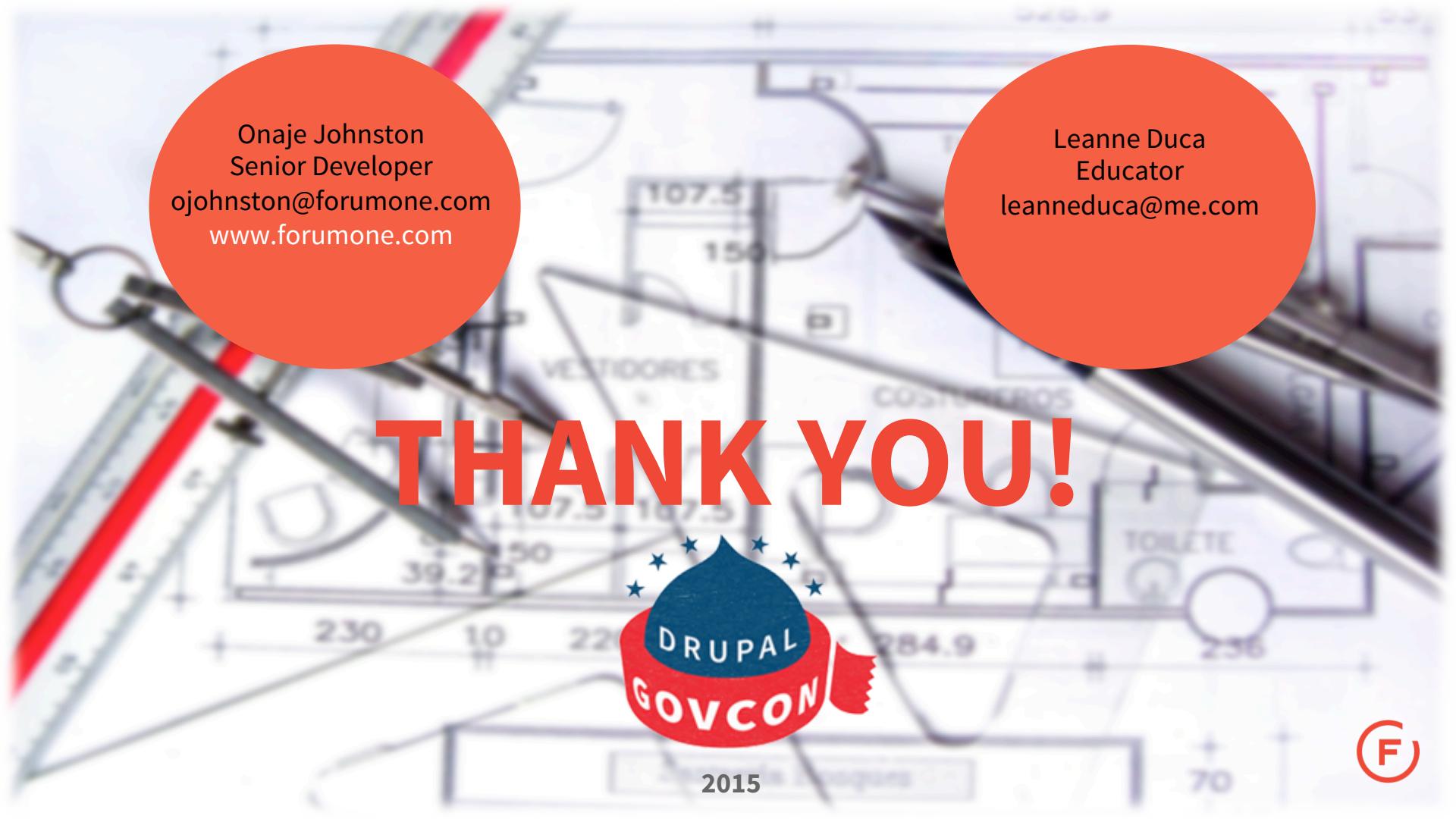
<http://devmirror.info/govcon-2015>



WOW!!

IT'S DONE !!!!!!!!





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# THANK YOU!



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