Using Media, Picture, and Focal Point modules

<u>Media</u> gives you a library for your images and attached documents, so they can be reused across nodes, they can be edited in one place.

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The Media library offers this content page for your files, made better with the use of Administration Views.

Files are field-able entities, so you can expand their usefulness (with fields for captions, photographer, other metadata) and can manage them more easily (through the use of tags, for instance). And you don't have to resort to FTP-ing into your server to, say, manually replace outdated files, among other benefits.

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+ Description	media_description	Long text	Text area (multiple rows)	edit delete
	field_tags	Term reference	Autocomplete term widget (tagging	g) edit delete
+ Orientation	field_image_orientation	Term reference	Check boxes/radio buttons	edit delete
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🕂 Copyright	field_copyright	Text	Text field	edit delete
🕂 Date photo taken	field_date_photo_taken	Date	Text field	edit delete
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This look familiar? Yes, thanks to File Entity, files are like another content type.

<u>Picture</u> uses HTML5 markup. In conjunction with <u>Breakpoints</u>, it lets you create responsive, mobilefriendly styles for your images by creating groups of image styles (called "picture mappings") that can be applied to image fields.

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Set your break points to match your mobile-friendly theme...

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...then let Breakpoints create some image style groups for you based on those break points...

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Image styles commonly provide thumbnail sizes by scaling a		efore an image is displayed. When an image i
displayed with a style, a new file is created and the original i	mage is left unchanged.	
+ Add style		
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Focal Point Preview	Default	edit
Thumbnail (100x100)	Default	edit
Medium (220x220)	Default	edit
Large (480x480)	Default	edit
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...that you can then tweak under Image styles.

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			LIST SETTINGS
A picture mapping associates an image style with	each breakpoint defined by your theme.		
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Picture mappings ties it all together, automatically displaying the appropriate image based on the client...

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...you just point it toward the image styles Breakpoints set up for you.

<u>Entity View Modes</u> makes it possible to embed your images in various formats, but as entities, so your custom fields can be displayed also.

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Full content	In code	No	None (view mode locked)
RSS	In code	No	None (view mode locked)
Search index	In code	No	None (view mode locked)
Search result highlighting input	In code	No	None (view mode locked)
Teaser	In code	Yes	None (view mode locked)
Tokens	In code	No	None (view mode locked)
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Define your view modes...

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...then choose what fields you want to display (look familiar?).

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Vertical: large Vertical: extra larg	ge Teaser Preview	WYSIWYG			
Enabled displays					
Download link					
Displays a link that will force the brow	wser to download the file.				
Generic file					
Create a simple link to the file. The lin	nk is prefixed by a file type ic	on and the name	of the file is used as th	e link text	
🔄 Image					
Format the file as an image. The imag	je can be displayed using an i	image style and o	can optionally be linked	to the image file itself	or its parent content.
Image with sizes					
Large filetype icon					
oEmbed					
All-purpose oEmbed formatter.					
oEmbed thumbnail					
oEmbed thumbnail media.					
✓ Picture					
Table of files					
Build a two-column table where the fi	irst column contains a generi	c link to the file a	and the second column	displays the size of the	file.

Choose your display mode...

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...then set the particulars.

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Home » Administration » Structure » Conto	ent types » Article				
Article o					
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Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. *Teaser* is a short format that is typically used in lists of multiple content items. *Full content* is typically used when the content is displayed on its own page.

Here, you can define which fields are shown and hidden when Article content is displayed in each view mode, and define how the fields are displayed in each view mode.

				Show row weights		
FIELD	LABEL	FORMAT				
+‡+ Image	Above \$	Generic file Table of files	Picture mapping: 720x480 picture mappings Automatic fallback			
🕂 Not Image but Media	Above \$	URL to file	View mode: Horizontal: large			
- ⊕ Body	<hidden> \$</hidden>	Download link Audio \$				
⊕ Tags	Above \$	Large filetype icon <hidden></hidden>				
Hidden						
No field is hidden.						
CUSTOM DISPLAY SETTINGS						
Save						

You can then select your view modes for display.

<u>Focal Point</u> provides a one-click easy way to control how your images will be cropped by your various image styles.

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Campus_Guides-3778.jpg					
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Choose File no file selected					
This file will replace the existing file. This action cannot be undone.					
Allowed file types: gif ief jpeg jpe jpg pcx png svgz svg tif tiff djvu djv ico wbmp ras cd xwd webp.	r pat cdt cpt art j	ng bmp ps	d pnm pbm p	gm ppm rgb xb	т хрт

Set your focal point with the crosshairs, handy when trying to put a vertical peg in a horizontal hole.

Exif Custom lets you convert EXIF and other image metadata into field content associated with your image entities.

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Home » Administration » Configuration » Content a	uthoring » Custom Exif Mappings						
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		Title Text					
EXIF:FILE:FileSize	468624	Description					
EXIF.FILE.FILESIZE	408024	Tags Photographer					
		Copyright					
	_	Date photo taken					
EXIF:FILE:FileType	2	GPS Latitude Reference					
		GPS Latitude					
		GPS Longitude Reference					
EXIF:FILE:MimeType	image/jpeg	GPS Longitude GPS Altitude Reference					
		GPS Altitude					
		GPS Processing Mode					
EXIF:FILE:SectionsFound	ANY_TAG, IFD0, THUMBNAIL, EXIF	Orientation					
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EXIF:COMPUTED:html	width="1266" height="1000"	none \$					
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If your photographer uses Lightroom or something similar, you can set up a workflow to automatically capture your images' metadata into fields.

Links:

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

https://www.drupal.org/project/breakpoints https://www.drupal.org/project/file_entity https://www.drupal.org/project/entity_view_mode https://www.drupal.org/project/oembed https://www.drupal.org/project/exif_custom

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

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

https://www.drupal.org/node/1699054 https://drupalize.me/blog/201407/drupal-8-has-all-hotness-so-can-drupal-7 https://www.ostraining.com/blog/drupal/modules-avoid-drupal-8/ http://webwash.net/tutorials/handle-responsive-images-using-picture-module-drupal-7