



Drupal Europe

Darmstadt, Germany

Sep 10 - 14, 2018

www.drupaleurope.org

**Fields,
Bricks,
Paragraphs,
etc...**



Publishing + Media



What's the next?

Media-Driven Content Architecture

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Retrospective of Content and Media Management Tools

Drupal 5:

- Native body field with WYSIWYG
- Attached files (Drupal core)
- Blocks (Drupal core)
- CCK (contributed solution)
- WebFM (contributed solution)
- IMCE (contributed solution)
- Panels (contributed solution)

The top-left screenshot shows the 'Create Page' form with fields for Title and Body, and a file attachment table:

Attached Files	Modified	Size	Owner
snop4.png	29/03/10 00:55	705 KB	

The top-right screenshot shows the 'Bricks = Layouts + Entities' configuration screen with a table of bricks:

TITLE	TYPE	OPERATIONS
Layout	Layout Equal columns	Edit x
AirPods	Image	Edit x
Layout	Layout Tabs	Edit x
First	Text	Edit x

The bottom screenshot shows the 'File Browser' interface with a table of files:

Name	Size	Date
imagecache_sample.png	24.74 KB	03/13/2010 - 19:25
14_0.jpg	9.3 KB	03/16/2010 - 01:37
20.jpg	111.83 KB	03/11/2010 - 15:24
25.1.jpg	73.76 KB	03/11/2010 - 14:22

A message box indicates: 'File resizing successful: 14_0.jpg.'

Drupal 6:

- Field API (CCK in Drupal Core)
- Display Suite (contributed solution)

Drupal 7:

- Entity API (contributed solution)
- Entity Construction Kit (ECK) (contributed solution)
- Entity reference solutions (Paragraphs, Bricks)
- Media (contributed solution)

Main Conclusions of Retrospective

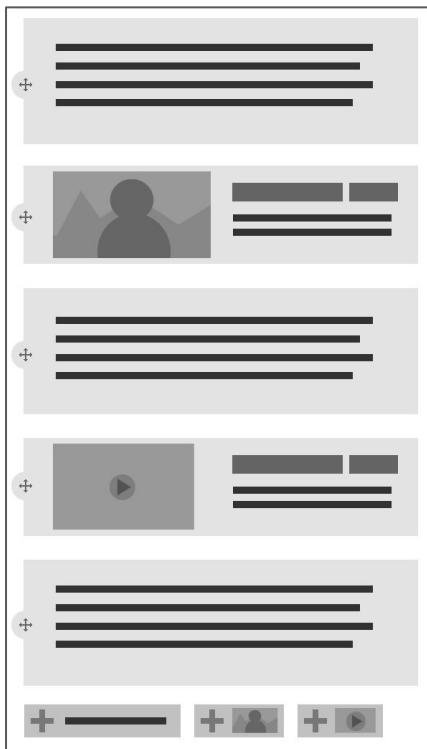


Only in Drupal 7 we got enough tools to setup **universal** and **transparent** solutions of content architecture that on the one hand are extremely flexible to cover different requirements on the other hand they are user-friendly and we can **edit all stuff on one page**.

The Most Recent Approach that We Use in Drupal 8



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Example of Paragraphs:

- WYSIWYG Textareas
- CTAs (Call-to-Action)
- News, Post, Event Teaser(s)
- Statistic Blocks
- Lists (Views-driven)
- Sliders and Carousels
- Testimonials
- Pull Quotes

...

Example of Media:

- Images
- Videos
- ...





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**Why do we use Media references
instead simple Image or Video
fields inside paragraphs?**

Advantages to use Media References

- We can reuse Images and Videos in different places
- Uni-solid, regular and user-friendly interface for different Media types
- We can set several Media bundles for Images to split them by aspect ratio, by resolution or by purpose of use
- Ability to insert embedded media objects directly in WYSIWYG in the same interface



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**Can we handle
the other stuff
like Media?**

The Background of that Question

- Our clients ask the ability to insert Pull Quotes in WYSIWYG rich text fields.
- They want to align them right or left.
- They already had the same ability for Images and Videos.

We used Entity Embed approach to cover that requirement for Images, Videos and finally we implemented it for Pull Quotes.



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“

**Give thanks to God,
who made necessary things simple,
and complicated things unnecessary**”

Gregory Skovoroda

Pull Quote like a Media: Architecture



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Media bundles ☆

Home » Administration » Structure

✓ The media bundle *Pull Quote* has been added.

+ Add media bundle

NAME	DESCRIPTION	OPERATIONS
Pull Quote	It can be used as embed Pull Quote in WYSIWYG or as a target in Entity Reference node or paragraph field.	Edit ▾

Manage display ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Media bundles » Edit *Pull Quote*

Show row weights

FIELD	LABEL	FORMAT
+ Quote	- Hidden - ▾	Plain text ▾
+ Author	- Hidden - ▾	Plain text ▾
Disabled		
+ Media name	Above ▾	Plain text ▾
+ Thumbnail	Above ▾	Image ▾
+ Publisher ID	Above ▾	Author ▾
+ Created	Above ▾	Time ago ▾

Save

Manage fields ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Media bundles » Edit *Pull Quote*

+ Add field

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Author	field_author	Text (plain)	Edit ▾
Quote	field_quote	Text (plain, long)	Edit ▾

Manage form display ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Media bundles » Edit *Pull Quote*

Show row weights

FIELD	WIDGET	
+ Media name	Textfield ▾	Textfield size: 60
+ Quote	Text area (multiple rows) ▾	Number of rows: 5
+ Author	Textfield ▾	Textfield size: 60
Disabled		
+ Publisher ID	Select list ▾	
+ Created	Datetime Timestamp ▾	
+ URL alias	URL alias ▾	

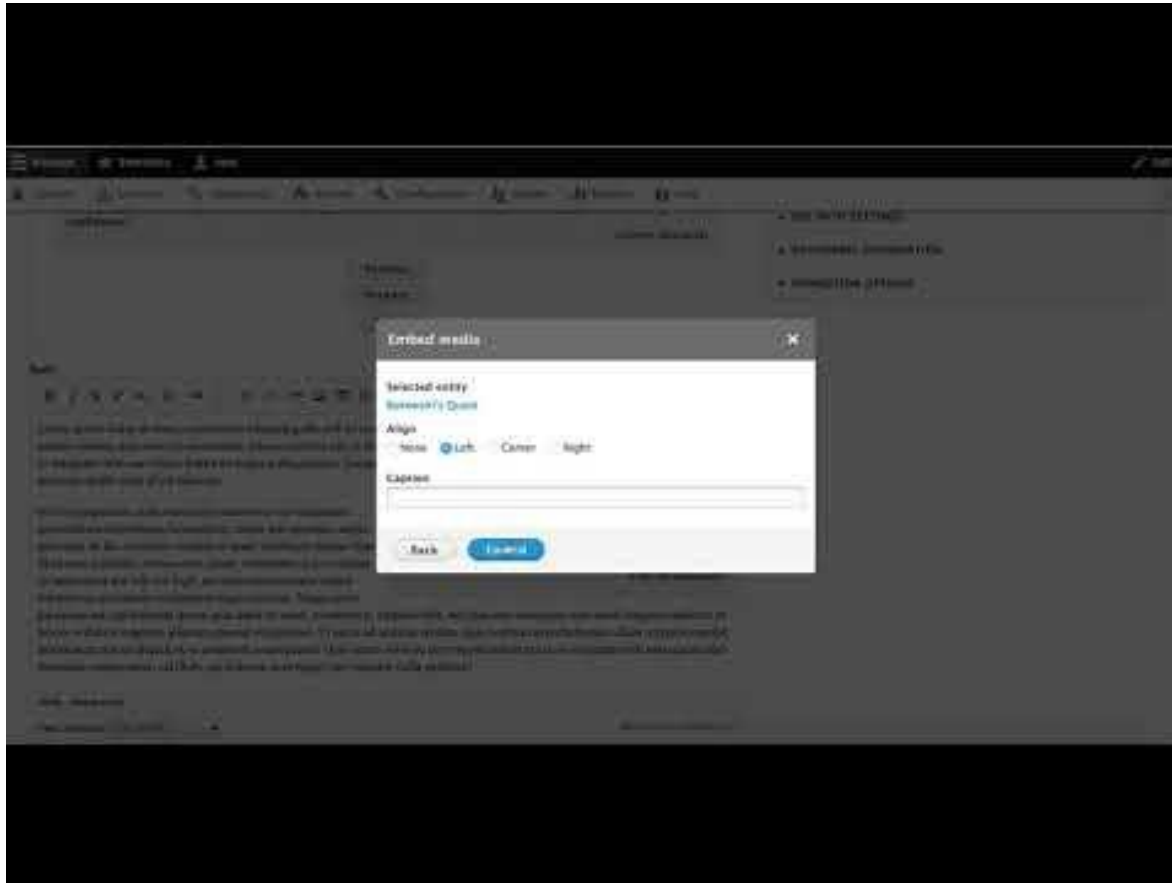
Save

https://github.com/vasilyaremchuk/pull_quote_demo_pull_quote_demo

Pull Quote like a Media: Demo Example



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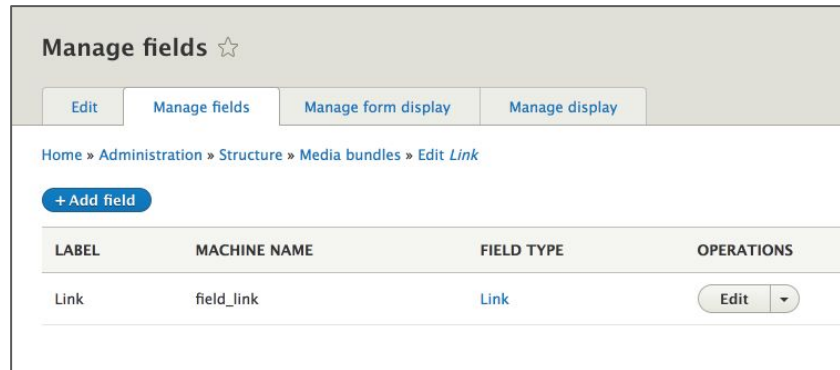
[https://github.com/
vasilyyaremchuk/
pull_quote_demo_
pull_quote_demo](https://github.com/vasilyyaremchuk/pull_quote_demo_pull_quote_demo)

Link like a Media

One more use case

Does it make sense to put Link inside Media wrapper?

- Let's use references to Link Medias instead native Drupal Link fields in content types, paragraphs and any other content entities.
- it worth to use such embedded entities in WYSIWYG fields instead the native link button.



The screenshot shows the 'Manage fields' interface for a 'Link' field. The title is 'Manage fields' with a star icon. Below the title are four tabs: 'Edit', 'Manage fields', 'Manage form display', and 'Manage display'. The 'Manage fields' tab is active. The breadcrumb trail is 'Home » Administration » Structure » Media bundles » Edit Link'. There is a '+ Add field' button. Below is a table with columns: LABEL, MACHINE NAME, FIELD TYPE, and OPERATIONS. The table contains one row: 'Link' (LABEL), 'field_link' (MACHINE NAME), 'Link' (FIELD TYPE), and an 'Edit' button with a dropdown arrow (OPERATIONS).

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Link	field_link	Link	Edit ▾

Example of usage: Link to to the list of openings on some 3rd party service.

When we decide to have this page inside Drupal we just need to change link in one place! But it can be embedded in many entities as a reference and just in site text fields.



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Conclusion:

**Each separate independent
reusable piece of content
can be handled like Media**



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Let's call that Approach:
Media-Driven
Content Architecture

More Ideas



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- Testimonials like Media
- Advertisements like Media
- Products like Media
- Staff like Media
- ... your ideas? ...



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Questions?

Become a Drupal contributor Friday from 9am

- First timers workshop
- Mentored contribution
- General contribution