



BALTIMORE

— DRUPALCON 2017 —

**The Continuing Saga of
Layouts in Drupal 8**

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Drupal 7

Block

- Can place each block into one region, per theme
- Each block can have a set of "conditions"
- Very little flexibility
- Single UI for all blocks



Panels

- Panels isn't what you think it is!
- Usually means using Page Manager
- Creates landing pages
- Operates with the "Content" region of Block.module



Context

- Defines sets of conditions
- Each condition can have blocks placed in any region
- Easy to set up, hard to introspect later



Display Suite

- Extends the Field UI to allow complete control over field placement
- Often used in conjunction with Panels
- Operates with the "Content" region of Block.module



Panelizer

- Panels integration for content types
- "All articles have two columns, events three columns"
- Also provides per-node customizations
- Operates with the "Content" region of Block.module



Panels Everywhere

- Replaces the Block.module
- Allows control of the header/footer without interfering with the main content



Drupal 8



Layout API

- Provides ability to define layouts
- No UI
- Used by Panelizer, Page Manager, Display Suite
- Now in core as Layout API



Block

- Can place any block into any number of regions, per theme
- Still very little flexibility
- Still single UI for all blocks
- Regions defined by theme, no Layout API integration



Panels and friends

- The "Panels ecosystem" is being worked on as a unit
- Panels, Page Manager, Panelizer, Panels Everywhere
- Straight port of functionality
- Uses the Layout API



Context

- Same as it ever was
- Regions defined by theme, no Layout API integration



Display Suite

- First layout module to become stable!
- Uses the Layout API



Field Layout

(new core module)

- Adds Layout API integration for the Field UI
- Slimmed down version of Display Suite
- Plans to incorporate more of Panelizer functionality
- Available in Drupal 8.3.0 as an experimental module





What should we do next?

Theme Layout?

- Replace theme-defined regions with Layout API
- Only one layout per theme?
- Conditions to switch layouts?



Landing Page builder?

- Allow creation of landing pages, each with own layout
- Already possible with Panelizer
- Plans for a core version, targeting 8.5.x



Full "variant" system?

- Incorporate the Panels concept of "variants"
- At what level? Theme, page, content type, field?



Unify all approaches?

- Confusing to have many similar systems
- If multiple are in core, even more confusing!
- How to unify approaches without making one single confusing system?



Mini-Panels!!?!

- "It's Mini-Panels all the way down"
- Allow for more dynamic header/footer/sidebar
- Allow individual systems to opt-in to arbitrary placement
- Could be a single, cohesive, reusable approach if done correctly



Blocks vs Fields

- Fieldable blocks are in core
- Fields displayed separately in blocks in contrib
- Make all field displays into blocks?
- Make all placed blocks into fields?





What *will* happen next

Per-entity overrides

- "All nodes have a two column layout, but **node 5** has three columns"
- Allows for full editorial control of individual pieces of content
- Essentially "Panelizer Lite"



How to help!

Issue tag: **Blocks-Layouts**

Plan issue **#281175**

IRC: **#drupal-layouts**

Slack: **#layouts in Drupal slack**

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Core Developer, Acquia Office of the CTO

Join Us for Contribution Sprints

Friday, April 28, 2017

**First-Time Sprinter
Workshop**
9:00am-12:00pm
Room: 307-308

Mentored Core Sprint
9:00am-12:00pm
Room:301-303

General Sprints
9:00am-6:00pm
Room:309-310

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**WHAT DID
YOU THINK?**

THANK YOU!