

# Panels: Today, and the Future

- *Sam Boyer (sdboyer)*

- 

- or...PSFEM (*Poor Substitute for Earl Miles*)

-

## So what *is* Panels, anyway?

- *A way to make nodes look nicer.*
  - Sure! Obviously not the whole picture, though.
- *A GUI for laying out content.*
  - Yep. But that's still just one piece.
- *An expansion/improvement of Drupal core's Block system.*
  - Closer, but still really just scratching the surface.

When I think about Panels, I (largely) think:

***Content 'Marshalling' System***

# Content 'Marshalling'

- Content marshalling means...what?
- So now content doesn't just need managing – it needs *marshalling*, too?
  - ♦ Consider raw node output – it often isn't sufficient to just output all node fields in order.
  - ♦ Or, even better: think about a typical website front page.
    - ✓ *Content pulled from many sources*
    - ✓ *Numerous conceptually different elements*
  - ♦ Synthesis of elements is a major factor in UX



# Your neighborhood website CouleeRegionOnline

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Welcome back, **sdboyer**. Glad you could join us.

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Hello, **sdboyer**

You have no new private messages.

There are 40 new posts.

## What we're talking about:

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...with your neighbors

- Discussion Forums
- Blogs
- Neighbor Profiles
- Special Interest Groups
- Live Chat

## Explore

...the Coulee Region

- Our Communities
- Shopping / Restaurants
- Parks
- Community Calendar
- Photos and Video

## What's Going On:

August						
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### Row 1, Column 1



### Row 2, Column 1

Custom



#### ▸ No title

What we're talking about:



#### ▸ What we're talking about:

Who We Are:



#### ▸ Who We Are:



### Row 2, Column 2

Custom (Welcome Back!)



#### ▸ Welcome Back!

User login



#### ▸ User login

Custom (Connect)



#### ▸ Connect

Custom (Explore)



#### ▸ Explore

Calendar



#### ▸ Calendar

Upcoming Events



#### ▸ Upcoming Events



### Row 3, Column 1

Coulee Region Businesses and Organizations:



#### ▸ Coulee Region Businesses and Organizations:



### Row 3, Column 2

Custom (Where We Live:)



#### ▸ Where We Live:

Google CSE



#### ▸ Google CSE



### Row 4, Column 1



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# Getting & Organizing Content – 'Context'

- Defining 'Context.'
  - I dare not write down many details, but...
  - Page requests as 'building a house'
  - Context as the 'shared supply closet'
- Panels has a pre-defined mechanisms for creating contexts
  - Arguments (a Panels plugin type)
  - Relationships (another Panels plugin type)
  - ALL of them, however, are just wrappers around `panel s_context _create()`.
- It's a basic notion, but very powerful and extensible.



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## Wrapping up the Today bit

- Everything covered thus far is old news. Even so, it's useful to keep in mind. *For some people, anyway.*
- ***A quick review:***
  - The Panels engine will fetch and organize the disparate data needed for any given page request.
  - It frees you – arguably even encourages you – to think about that overall synthesis instead.

# And on to the Future!

- In two parts:
  - **Panels2:** new/improved implementations of the current Panels API
  - **Panels3:** or, Panels2 coked up and rollin' on meth.
    - Further divvied up by the changes first from the perspective of the interface, then from the perspective of the API.



**I CAN HAS PANLS**



**FOR D6? plz**

# Panels 2: New Implementations

- Node add/edit forms, via CCK integration (tentative)
- Panels Profiles. Next-gen of Advanced Profile Kit, integration with MySite, and *could* act as a unified backend for profile/acct management (D6)
- Genericization of OG Blueprints (D5/D6)
- Panels admin interface...done in Panels(tentative)
- Panelize project\* suite (tentative, D6)
- ~~Panelize API module (very tentative, D6) — see~~  
<http://drupal.org/node/256963>

# Panels3: From the Interface

- Interactive, informative feedback throughout editing operations
  - 'Peek' into the underlying data structure
  - Show which plugins are being used
  - Advanced Help, everywhere!
- Much less clutter!
  - No more modals! Probably...
  - Hierarchical Select used for pane selection (and potentially other things)
  - Views2-style AJAX-based interface

# Panels3: From the Interface (cont)

- Obsoleting the 'admin backend' of Panels
  - Drag-'n'-Drop while viewing; no going to 'edit'
  - In-place AJAX-driven editing of fields
- Panels terminology will be 53.4% less crazy!
- **In Sum:** Our goal with Panels3 is to allow razor-fine control over the entire UX with Panels.
  - In other words, users will see exactly what they should and need to see – no more, no less.



# Panels3: From the API

- Data structure stays pretty much the same. That's not where the problem is.
- Again, the theme: *very* fine-grained control.
  - The widgets your Panels-related forms use
  - The strings/help text in Panels-related interfaces
  - The options your users will see on Panels configuration forms
- **In Sum:** you'll be able to leverage the full power of Panels without ever having to expose your users to unneeded, potentially confusing options.

# Questions?

- I CAN HAS PANLS D6? Plz
  - Yes. Soon.
- Other questions?

**Remember – 13:30-14:30 on Aug 30<sup>th</sup> in the Acquia Room if you want to learn more about using the Panels API!**